The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Road
Canoga Park, CA 91304-1148

via FedEx

February 27, 2012
SHEA - 111832

Regional Water Quality Control Board
Los Angeles Region
320 West 4th Street, Suite 200
Los Angeles, CA 90013

Attention: Information Technology Unit

Gentlemen:

Subject: 2011 Annual NPDES Discharge Monitoring Report - The Boeing Company, Santa Susana Site, Ventura County, California
Compliance File CI-6027 and NPDES No. CA0001309

The Boeing Company (Boeing) hereby submits this annual discharge monitoring report (DMR) for the Santa Susana Field Laboratory (Santa Susana Site or SSFL) for the period of January 1, 2011 through December 31, 2011. This DMR is provided for all outfalls authorized by National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309. The Los Angeles Regional Water Quality Control Board (Regional Board) issued a revised permit on June 3, 2010, with an effective date of July 19, 2010. The revised permit remains effective and the implemented Order (Order R4-2010-0090) and permit expire on April 10, 2014.

This annual DMR provides information and data, including summary tables of surface water sample analytical results, rainfall summaries, liquid waste shipment summaries, and analytical laboratory Quality Assurance/Quality Control (QA/QC) procedures and certifications. A compact disc with the report tables, figures and attachments is being submitted along with this DMR. This document will also be made available electronically at:

www.boeing.com/aboutus/environment/santa_susana/ents/monitoring_reports.html

Additionally, hard copies of this report are available at the following: California State University at Northridge Library; Simi Valley Library; and the Platt Branch, Los Angeles Library.

REPORT CONTENTS

This annual DMR summarizes analytical data collected from the permitted outfalls during 2011. Additionally, this report summarizes activities related to the Storm Water Pollution Prevention Plan (SWPPP) and Best Management Practices (BMPs). Data for this report have been summarized in tabular form. Therefore, in addition to the report text, this DMR includes the following:

- Santa Susana facility map showing the outfall locations (Figure 1)
- Summary of 2011 Annual Rainfall (Table 1)
- Summary of 2011 Liquid Waste Shipments (Table 2)
- Summary of 2011 Permit Limit Exceedances (Table 3)
- Outfall-specific Summary Tables and Charts of Analytical Results (Sections 1 through 9)
- Arroyo Simi (Receiving Water) Summary Tables and Charts of Analytical Results (Section 10)
- Summary of Reasonable Potential Analysis (RPA) (Section 11)
- Storm Water Pollution Prevention Plan Annual Evaluation (Section 12)
- Analytical Laboratory QA/QC Procedures and Certifications (Section 13)

OVERVIEW OF THE 2011 REPORTING PERIOD AT SANTA SUSANA

This section presents an overview of the efforts Boeing has made and continues to make improvements to achieve compliance with the site NPDES permit. It provides an overview of SWPPP and BMPs that have been implemented to minimize impacts to surface water and the potential for surface water permit limit exceedances.

SITE-WIDE SWPPP PLAN AND BMP ACTIVITIES FOR 2011

During 2011, Boeing continued to implement site-wide SWPPPs. Boeing conducted pre- and post-storm season, and monthly inspections as required by the site-wide SWPPP to identify and mitigate any on-site conditions identified that may affect the quality of storm water runoff from the Santa Susana Site in accordance with the State of California General Industrial Storm Water Permit (No. CAS000001) (General Permit) SWPPP requirements.

Site-wide BMP activities also include inspection of Solid Waste Management Units (SWMUs). Per SWPPP requirements, SWMU inspections were completed three times a year during the months of January, April and September. Site-wide activities also include the inspection of outfalls and outfall perimeters and inspection of the Storm Water pumping and conveyance system. Inspection of specific BMP activities at each outfall location may include: inspections of erosion and sediment control BMPs, flume and sample box condition, flow meter calibrations, surface water catchment or sedimentation basin condition, liner integrity, filter media condition, system pump and conveyance condition, and retention tank inspection. General maintenance and housekeeping of outfalls may include removal of sediment, removal of leaf litter, filter media replacement, liner repair or replacement, implementation of additional BMPs, and weed abatement.

During 2011, Boeing continued to implement the individual SWPPPs. As part of the implementation of the SWPPPs, BMP inspections were completed to identify and mitigate any on-site conditions identified that may affect the quality of storm water runoff from the Santa Susana Site. BMP inspections were completed in accordance with the State of California General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order NO. 2009-0009-DWQ; NPDES NO. CAS000002 (General Construction Permit) SWPPP requirements. During the rainy season, inspections were conducted before and after qualifying rain events, and during extended rainfall lasting longer than 24 hours as required by the General Permit. During the non-rainy season, inspections are conducted quarterly.

Construction, demolition and Interim Source Removal Action (ISRA) activities are included in the General Construction Permit SWPPP requirements. Efforts to plan and implement BMPs for pre- and post-soil disturbance activities for demolition and ISRA areas are discussed in Table C and summarized further in sections below. The demolition and ISRA areas include both the areas of disturbed soil from recent demolition, soil removal, or remediation activities, and areas that are post-remediation or post-demolition, and now in restoration.

Site-wide planting of Native Vegetation and Restoration

In accordance with the Surface Water Expert Panel (Expert Panel) recommendations, Boeing planted new vegetation across the Santa Susana Site. Plantings included over 900 plants within the Outfall 009 watershed. The native plants installed consisted of Mule fat, Elderberry, Creeping Wild Rye, Mugwort, and Coyote Brush. Irrigation lines were also installed to ensure these native species become established.

In addition to the reinstatement of native plant species, Boeing is committed to the restoration and rehabilitation of soil disturbance areas. Upon completion of any soil disturbance, proper sediment and erosion control BMPs are implemented, including the application of hydromulch and hydroseed to enhance re-growth of native plants and act as a dust suppressor in disturbed soil areas.

Demolition and BMP Plan Related Activities

Boeing is committed to restoring the site to its natural habitat and rehabilitating previously active areas that have been demolished.

In 2011, demolition of structural features in Area I at the former Component Testing Lab (CTL)-V, the former Canyon facility, and the former CTL-III facility and spillway was completed. Demolition occurred at eight Groundwater Treatment Units (GTUs) in Areas I, II, and III. Additionally, asphalt was removed from the former Building 324 parking lot, the Lower Parking Lot Soil Stockpile area (Lower Lot) and the parking lot across from the Hydrogen Lab in Area III. Demolition activities included the removal of concrete and metal structures, concrete slabs, debris containing metal and rebar, piping associated with utility conveyance, and asphalt road cover. All debris, metal, concrete, and asphalt was segregated upon removal and transported to a waste or recycling facility per the waste management plan and in accordance with all local, state, and federal regulations. The following activities comprised the planning and implementation of BMPs pre- and post-demolition:

- Pre-demolition BMP strategy planning was performed;
- Tracking controls such as truck stabilizers or rumble plates at the entrance/exit were installed;
- A water truck was used for dust and wind erosion;
- All segregated materials were stockpiled and covered;
- Segregated debris and material were hauled offsite per the waste management plan; and
- Post-demolition BMPs, including hydromulch and hydroseed application, were implemented.

In accordance with the NPDES permit and General Construction Permit SWPPP requirements, all work performed requires implementation of BMP plans and practices. These BMPs were implemented in order to reasonably control erosion, sedimentation, and turbidity, and to continue to protect the surface waters and respective drainages. In addition, BMPs such as the application of hydromulch and hydroseed were implemented to enhance restoration. Per

General Construction Permit SWPPP requirements, regular inspection schedules were completed to maintain quality and ensure compliance.

Outfalls 008/009 ISRA and BMP Plan Related Activities

Pursuant to the December 3, 2008 Section 13304 Order issued by the Regional Board, Boeing and the National Aeronautics Space Administration (NASA) have been proceeding with ISRA activities in the Outfall 008 and 009 watersheds to address constituents that have exceeded NPDES permit limits/benchmarks. During 2011, Boeing, on behalf of Boeing and NASA, performed a number of activities related to the referenced Order. (Some activities were also conducted in coordination with the Expert Panel). ISRA-related activities included soil sampling; backfill and re-contouring of excavations; post-restoration topographic surveys; BMPs installation and monitoring; hydromulch and hydroseed application; native plants installation; SWPPP inspections; and performance monitoring. Additionally, Boeing regularly communicated with the appropriate agencies to delineate its planned approaches to ISRA activities and to present its results and supporting data pursuant to the December 3, 2008 Section 13304 Order. Boeing continues to submit monthly and quarterly progress reports to the Regional Board on the progress of the ISRA activities, including permit status. For a more detailed description of 2011 ISRA activities, please refer to the quarterly DMRs. ISRA related documents can be found electronically at:

http://www.boeing.com/aboutus/environment/santa_susana/isra.html

Northern Drainage

Boeing has actively worked to protect the Northern Drainage, following the Cleanup and Abatement Order (CAO) No. R4-2007-0054 clean-up activities performed under DTSC oversight. A Certification of Completion was issued by the DTSC on April 29, 2011 stating that the response actions required under the ISE/RA orders, Santa Susana Field Laboratory, Ventura County, California (CAD 093365435 and CA 18000090010) were successfully performed, the constituents of concern (COCs) have been removed, and remaining concentrations no longer posed an immediate risk to humans or environmental receptors (DTSC, 2011) Mitigation and restoration activities for the Northern Drainage are now being planned. The Restoration, Mitigation, and Monitoring Plan (RMMP) was submitted on October 5, 2011 to the Regional Board, DTSC, the California Department of Fish and Game (CDFG), and the United States Army Corps of Engineers (USACE), which provided a detailed summary and conceptual designs for restoration and stabilization of the banks and bottom of the Northern Drainage, as well as mitigation and monitoring for riparian plants removed during remediation. Boeing submitted permit applications, forms, and supporting information to CDFG and USACE in December 2011

and to the Regional Board in January 2012 for the Northern Drainage RMMP activities. Boeing will implement the CAO sampling protocol during the three storm events that follow the April 29, 2011 cleanup completion date, or for a period of two years from that date, whichever occurs first.

Boeing continues to perform BMP maintenance activities throughout the year as part of ongoing Northern Drainage responsibilities. Restoration and stabilization in the Northern Drainage at areas mentioned in the RMMP will commence subsequent to receiving approval from these agencies in early 2012. For a more detailed description of the activities implemented by Boeing in 2011 relative to the Northern Drainage, please refer to the quarterly DMRs.

Outfalls 011 and 018 Storm Water Treatment Systems (SWTSs)

In 2011, Outfall 011 and 018 SWTSs were installed to physically and chemically treat Storm Water. The physical process includes sand filters, bag filters, and granular activated carbon (GAC) vessels. The chemical process includes oxidation and rapid coagulation-flocculation reaction. Outfall 011 SWTS has a capacity of 700 gallons per minute (gpm) and Outfall 018 SWTS has a capacity of 1,000 gpm with future expansion to 2,000 gpm. The SWTSs are expected to reduce the concentration of the COCs listed in the NPDES permit limits present in Storm Water discharged to Outfalls 011 and 018, respectively.

Outfall 011 SWTS is located adjacent to R-1 Pond. Storm Water is transferred from Perimeter Pond to R-1 Pond for treatment. At Outfall 018, the SWTS extracts Storm Water from Silvernale Pond for treatment. Outfall 018 SWTS is one component of a larger Storm Water conveyance system that also treats Storm Water captured at Outfalls 003, 004, 005, 006, 007, 010, 012, and 013 on the SSFL site. Water from those outfalls is transferred via pumps through a network of pipelines to Silvernale Pond for treatment.

The following is a description of the Storm Water treatment process for both Outfall 011 and 018 SWTSs. Water is pumped from respective ponds and passed through the first chemical injection box (Box) 1 where one or a combination of the chemicals can be added before entering the Oxidation Contact Tanks (OCTs). The injected chemicals include potassium permanganate ($KMnO_4$), sodium hydroxide (NaOH), hydrochloric acid (HCl) and alum. The OCTs provide contact time for the $KMnO_4$ to oxidize constituents in the influent water. Effluent from the OCTs is routed to the ACTIFLO^{TM} unit through a line where Box 2 houses injection ports for alum and HCl. Alum acts as the coagulant in the ACTIFLO process, destabilizing colloidal particles to form pin flocs. HCl is injected on an as-needed basis to optimize pH for coagulation

with alum. The chemicals are mixed by a flash mix pump which pulls OCT effluent prior to Box 2 and re-injects it through a nozzle before chemical injection. Once within the ACTIFLO unit, an anionic polymer is introduced as a flocculant aid into the flocculation maturation tank where micro-sand is also added for ballasted flocculation. ACTIFLO effluent is then routed to a buffer tank. Box 3 is located before the buffer tank and contains injection ports for $KMnO_4$ and NaOH. The buffer tank acts as an equalization basin and provides additional contact time if oxidation or pH adjustment is required. The filter feed pump transfers water from the buffer tank through a series of filtration stages. The effluent is routed through sand filtration, 1 micron bag filters, and finally GAC vessels. The GAC effluent passes through the last chemical injection box, Box 4, which contains ports for HCl and NaOH for controlling pH prior to discharge.

As part of the water treatment process at both Outfalls 011 and 018, SWTSs, solids are generated from the ACTIFLO unit and backwashing of the sand filters. The solids processing thickens, dewaters, and disposes the solids. Solids generated in the ACTIFLO unit and sand filter backwashing process are directed into a plate settler for thickening prior to being pumped into the solids weir tanks or solids mixer tank. Supernatant from the mixer tank is pumped into a solids weir tank to catalyze separation. Supernatant from the plate settler and solids weir tank is routed into a supernatant tank prior to being re-circulated back into the front of the system prior to Box 1. Settled solids are transferred from the solids weir tank into the solids mixer tank. The thickened solids generated at Outfall 011 SWTS are then transferred to Outfall 018 SWTS for further dewatering and eventual offsite disposal. The thickened solids accumulated in the Outfall 018 SWTS solids mixer tank are thoroughly mixed to create a homogenous mixture prior to the filter press. Solids dewatered in the filter press will be transported offsite for disposal. Filtrate from the filter press will collect in the filtrate tank, which is then pumped into the supernatant tank for treatment. All generated solids from the Outfall 011 and 018 SWTSs are analyzed for waste characterization, transported off site, and disposed of in accordance with all local, state and federal regulations.

Manganese removal below the permit limit of 50 micrograms per liter (µg/L) remained the most challenging part of the SWTS operation. This process consisted of (i) adding sufficient $KMnO_4$ to oxidize dissolved manganese and bring it out of solution, (ii) adjusting the pH to be above 8.0 to increase the kinetics of the oxidation of manganese, and (iii) removing additional manganese via a coating of manganese oxides that formed on the sand beds (which acts in the same way as an ion exchange system for manganese). Additionally, meeting this manganese permit limit required all processes to occur concurrently. Further measurements of total manganese in the SWTS effluent demonstrate that the limit was met when the latter process was complete.

During 2011, Boeing completed a number of activities related to the installation of the Outfall 011 and 018 SWTSs. Boeing installed, at both outfalls, system equipment (e.g., tanks, pumps, ACTIFLO™ unit); piping and valves; flow meters, air compressors, and appurtenances; chemical skid units and secondary chemical injection boxes; and instrumentation (e.g., analyzer panels, pH meters, turbidity meters). Boeing also installed at both outfalls an electrical grounding system, electrical wires and conduits. Once completed, Boeing optimized the treatment system and performed 24-hour discharge of Storm Water at the Outfall 018 SWTS on July 19, 2011. Additional modifications and optimization at Outfall 011 and 018 SWTSs will be completed throughout 2012. For a more detailed description of the activities implemented by Boeing in 2011 relative to the SWTSs, please refer to the quarterly DMRs.

Site-wide Storm Water Conveyance System

In 2011, Boeing completed the installation of Storm Water conveyance pipelines for Outfalls 003, 004, 005, 006, 007, 010, 012, and 013 to allow the transfer of Storm Water to Silvernale Pond for treatment via the Outfall 018 SWTS. For a more detailed description of the activities implemented by Boeing in 2011 relative to the conveyance system, please refer to the quarterly DMRs.

In September 2011, a site-wide maintenance checkup was performed for all of the pumps within the conveyance system to ensure proper operation during the rainy season. The maintenance program for the conveyance system will occur twice annually (one month prior to the start of the rainy season, and one month after the end of the rainy season).

Bioassessment

A bioassessment review was conducted on May 13, 2011 for Second Quarter 2011 as required by the permit. However, because all drainages associated with NPDES permit-regulated outfalls at the Santa Susana Site were dry at the time of sampling, the biologist determined that there was no suitable habitat from which to complete the bioassessment sampling due to the lack of naturally occurring continuous flow of water in these drainages.

DISCHARGE STATUS

Precipitation during 2011 at Santa Susana is provided for each month of the year in Table 1. Surface water samples were collected when flow was observed at the designated outfall locations during storm events of greater than 0.1 inches. Surface water samples were collected from Outfalls 001, 002, 006, 008, 009, 010, 011, 018, and the Arroyo Simi Receiving Water

location (RSW-002) for all qualifying events from January 1 to December 31, 2011, in accordance with the NPDES permit. Additionally, for any discharges of treated groundwater from the Groundwater Extraction Treatment System (GETS) Outfall 019 effluent treated water samples were collected in accordance with the NPDES permit upon discharge.

Figure 1 illustrates the Santa Susana facility and the locations of the outfalls. Table A, below, provides a summary of the 2011 sampling record by outfall/location where flow was observed and Storm Water samples were collected per the requirements of the NPDES permit.

Table A. Summary of Storm Water Sampling Events

Date	Outfall/Location	Samples Collected (i.e., grab, composite)
1/3/2011	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
	Outfall 008 (Happy Valley)	Grab & Composite
	Outfall 009 (WS-13 Drainage)	Grab & Composite
1/6-7/2011	Outfall 019 (GETS)	Grab & Composite
2/16/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite
2/17-18/2011	Outfall 018 (R-2 Pond)	Grab & Composite
2/19/2011	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
2/24/2011	Arroyo Simi Receiving Water/Sediment (RSW-002)	Grab
	Outfall 019 (GETS)	Grab
2/25/2011	Outfall 002 (South Slope below R-2 Pond)	Grab
	Outfall 009 (WS-13 Drainage)	Grab & Composite
	Outfall 019 (GETS)	Composite
2/26/2011	Outfall 002 (South Slope below R-2 Pond)	Composite
	Outfall 008 (Happy Valley)	Grab & Composite
	Outfall 010 (Building 203)	Grab & Composite
	Outfall 018 (R-2 Pond)	Grab
2/27/2011	Outfall 018 (R-2 Pond)	Composite
3/2-3/2011	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
	Outfall 009 (WS-13 Drainage)	Grab & Composite
3/6-7/2011	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
	Outfall 009 (WS-13 Drainage)	Grab & Composite
3/9/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
3/14/2011	Arroyo Simi Receiving Water (RSW-002)	Grab

Date	Outfall/Location	Samples Collected (i.e., grab, composite)
3/19/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
3/20/2011	Outfall 001 (South Slope below Perimeter Pond)	Composite
	Outfall 002 (South Slope below R-2 Pond)	Grab & Composite
	Outfall 006 (FSDF-2)	Composite
	Outfall 008 (Happy Valley)	Grab
	Outfall 009 (WS-13 Drainage)	Grab & Composite
	Outfall 011 (Perimeter Pond)	Composite
3/21/2011	Outfall 018 (R-2 Pond)	Grab & Composite
	Outfall 001 (South Slope below Perimeter Pond)	Grab
	Outfall 006 (FSDF-2)	Grab
	Outfall 008 (Happy Valley)	Composite
	Outfall 010 (Building 203)	Grab & Composite
3/24/2011	Outfall 011 (Perimeter Pond)	Grab
	Outfall 001 (South Slope below Perimeter Pond)*	Grab
	Arroyo Simi Receiving Water (RSW-002)	Grab
3/25/2011	Outfall 009 (WS-13 Drainage)	Grab
3/29/2011	Outfall 001 (South Slope below Perimeter Pond)*	Grab
	Arroyo Simi Receiving Water (RSW-002)	Grab
3/30/2011	Outfall 009 (WS-13 Drainage)	Grab
4/4/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
5/12/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
6/1-2/2011	Outfall 019 (GETS)	Grab & Composite
6/10/2011	Outfall 019 (GETS)	Grab & Composite
7/19/2011	Outfall 018 (R-2 Pond)	Grab
7/20/2011	Outfall 018 (R-2 Pond)	Composite
	Outfall 002 (South Slope below R-2 Pond)	Grab
7/21/2011	Outfall 002 (South Slope below R-2 Pond)	Composite
8/9/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
8/10/2011	Outfall 019 (GETS)	Grab
8/11/2011	Outfall 019 (GETS)	Composite
9/7/2011	Outfall 019 (GETS)	Grab
9/8/2011	Outfall 019 (GETS)	Composite
10/5/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite
10/19/2011	Outfall 019 (GETS)	Grab

Date	Outfall/Location	Samples Collected (i.e., grab, composite)
10/20/2011	Outfall 019 (GETS)	Composite
11/6/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite
11/10/2011	Arroyo Simi Receiving Water (RSW-002)	Grab
11/11-12/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite
11/16/2011	Outfall 019 (GETS)	Grab
11/17/2011	Outfall 019 (GETS)	Composite
11/20/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite
12/12/2011	Outfall 009 (WS-13 Drainage)	Grab & Composite

* Receiving water requirements for RSW-001 were satisfied at Outfall 001.

Collected samples were submitted to and analyzed by a California-certified analytical laboratory per the NPDES permit requirements. All sanitary wastes from the domestic Sewage Treatment Plants (STPs I, II, and III) were shipped offsite to a permitted offsite treatment and disposal facility. Details of the STP waste shipments are summarized in Table 2.

SURFACE WATER DISCHARGE ANALYTICAL RESULTS REPORTING

All analyses of surface water discharge samples were conducted at laboratories certified for such analyses by the California Department of Public Health or approved by the Regional Board's Executive Officer, and in accordance with current EPA guidelines, procedures, or as specified in the monitoring program. As indicated on Page E-33 of the NPDES permit, analytical results were designated "Detected but not Quantified (DNQ)" (similar to organic analyses being J-flagged by the laboratory or data validator) if the analytical result was greater than or equal to the laboratory's method detection limit (MDL), and less than the State Board's Minimum Level (ML) or laboratory reporting limit (RL). For the purposes of determining compliance with permit limits, data that were designated DNQ or that were J-flagged (estimated values), were reported as such, but were not used to establish compliance because the estimated value was less than the laboratories' RL.

Attachment H of the NPDES permit presents the State Board's MLs for use in reporting and determining compliance with NPDES permit limits. The analytical laboratory achieved these MLs for 2011. However, some constituents' daily maximum and/or monthly average discharge

limits in the NPDES permit are less than their respective MLs and less than the laboratory RL. In cases where the permit limit is less than the RL and ML, the RL was used to determine compliance. As required in the NPDES permit, Section 11 of this report provides a summary table of constituents listed in the permit, their analytical laboratory methods, MDLs, and RLs, and copies of laboratory quality assurance and quality control procedures. California Department of Public Health Environmental Laboratory Accreditation Program (ELAP) certifications are also included in Section 13, as required in the NPDES permit.

During 2011, specific constituents that had permit limits that were less than the RLs and MLs were mercury, bis(2-ethylhexyl)phthalate (DEHP), cyanide, polychlorinated biphenyls (PCBs), (Aroclors), chlordane, 4,4'-dichlorodiphenyldichloroethane (4,4'-DDD), 4,4'-dichlorodiphenyldichloroethane (4,4'-DDE), 4,4'-dichlorodiphenyltrichloro-ethane (4,4'-DDT), dieldrin, toxaphene, and chlorpyrifos. None of these compounds were detected at concentrations equal to or greater than their RL during 2011.

SUMMARY OF NON-COMPLIANCE AND CORRECTIVE ACTIONS

Analytical results for all surface water samples are summarized in Table 3 and in the Attachment - Sections 1 through 10. Consistent with prior annual report submittals and in accordance with the NPDES permit, a graphical presentation of the data collected has also been included for specific analytes and parameters that could be effectively graphed. Analytes that had a permit limit were graphed. Analytes that do not have permit limits were not graphed. Graphing consisted of charting an analyte's analytical result(s) with the sample date(s). The graphs for each section of the attachment as described below.

The tabular and graphic data for all outfall locations, including the Arroyo Simi receiving water location, where data were collected (i.e., where outfalls flowed) are provided in the attachment as follows:

Attachment:

Section 1 Outfall 001	South Slope below Perimeter Pond
Section 2 Outfall 002	South Slope below R-2 Pond
Section 3 Outfall 006	FSDF-2
Section 4 Outfall 008	Happy Valley
Section 5 Outfall 009	WS-13 Drainage

Section 6 Outfall 010 Building 203
Section 7 Outfall 011 Perimeter Pond
Section 8 Outfall 018 R-2A Pond
Section 9 Outfall 019 GETS
Section 10 Receiving Water and Sediment Sampling Location – Arroyo Simi (RSW-002)

Included after Table 3 and at the beginning of the sections in the Attachment are the Annual Reporting Summary Notes. The Annual Reporting Summary Notes include a compilation of notes, abbreviations, and data validation codes that are found in the analytical data summary tables contained in the Attachments.

As indicated in the Attachments, and as summarized in Table 3, a 2011 Summary of Daily Max, Monthly Average, and Daily Mass Permit Limit or Benchmark Limit Exceedances includes:

- Iron at Outfalls 001, 002, 011 and 018
- Manganese at Outfalls 001 and 011
- E.Coli and Fecal Coliform at the Arroyo Simi (RSW-002)
- Background dioxins (TCDD) toxic equivalent (TEQ) at Outfalls 001, 002, and 009
- Chloride at Outfall 019
- TDS at Outfall 019

Discussion of Permit Limit or Benchmark Exceedances

The following paragraphs present a summary of permit limit or benchmark exceedances by outfall. Following these summaries, a discussion of corrective measures is included.

Storm Water Outfall 001

General Approach for Achieving Compliance at Outfall 001

A detailed discussion of the benchmark exceedances by constituent type and potential sources of these exceedances at Outfall 001 is set forth in the paragraphs below. However, whatever the source of the exceedances, Boeing continues to take proactive steps to meet the requirements of its NPDES permit. These steps have been summarized in Table C of this report and are primarily focused on stabilization of streambed channel banks to reduce sediment erosion through the planting of native vegetation and hydroseed application. Boeing believes that implementing these stabilization and erosion control measures is the most effective way to

meet effluent standards while not severely impacting the adjacent undisturbed habitats. These activities will continue to be re-evaluated and upgraded as needed to minimize the occurrence of any future benchmark exceedances.

Exceedance Summary

During the 2011 monitoring period, samples collected at Outfall 001 showed that there were three exceedances for three constituents with benchmark limits, as summarized in Table 3.

- On March 20-21, iron was detected at concentrations of 5.7 milligrams per liter (mg/L), which is above the daily maximum benchmark limit of 0.3 mg/L.

- On March 20-21, manganese was detected at a concentration of 81 µg/L, which is above the daily maximum benchmark limit of 50 µg/L.

- On March 20-21, TCDD-TEQ was detected at a concentration of 3.27×10^{-8} µg/L, which is above the daily maximum benchmark limit of 2.8×10^{-8} µg/L.

Exceedance Discussion

Metals

Benchmark limit exceedances for iron and manganese, occurred at Outfall 001 in 2011. Outfall 001 is located in the undeveloped portion of the property where no industrial activities have occurred.

As reported in previous DMRs, the Storm Water Expert Panel study, *SSFL Metals Background Report: Sources of Metals in SSFL Watersheds*[1], noted that heavy metals in Storm Water discharges from Outfalls 001, 002, 008, and 009 originate from various sources, including natural soil components, rainfall, and dry atmospheric deposition from local and regional sources. This report also explained that data show wet weather metals concentrations in creeks in regional natural watersheds are generally one order of magnitude lower than concentrations in regional developed watersheds, and that Santa Susana "outfall metal concentrations were comparable to the concentrations at these undeveloped watersheds."

Boeing believes that the metals concentrations in Storm Water runoff from the Santa Susana site are associated with total suspended solids (TSS) consisting of native sediments and soils, and that TSS and metals loading will vary based on rainfall intensity, duration, and erosion

[1] Available at http://www.boeing.com/aboutus/environment/santa_susana/tech_reports.html

characteristics. The elevated metal concentrations observed are thus likely predominately due to the erosion of native soils and ash, and their subsequent migration into Storm Water.

TCDD TEQ

The daily benchmark limit and monthly average benchmark limit for TCDD TEQ was exceeded at Outfall 001 in March 2011.

TCDD congeners have been frequently detected in DTSC-approved, non-impacted background soils at the SSFL (MWH, 2005). In some areas, onsite operations have utilized combustion processes; however, when these potentially impacted areas were investigated, the TCDD TEQ values in soils were found either to be equivalent to background levels or, if elevated, they were shown to decrease over relatively short distances to near background levels down slope or down drainage from the suspected source area.

The presence of TCDD in both background soils and fire-related materials is well documented in the scientific literature (USEPA, 2000), substantiated by previously completed on- and offsite studies (MWH, 2005), and presented in the Flow Science Background Report (Flow Science, 2006). These reports suggest that the levels of TCDD TEQ measured in surface water at the SSFL could originate primarily from wildfire combustion processes, regional and atmospheric deposition, and other naturally occurring sources over which Boeing has no reasonable control.

A report completed by the Storm Water Expert Panel, *SSFL Storm Water Dioxin Background Report*[2], underscores the significant role of TCDD in Storm Water discharges from Outfalls 001, 002, 008, and 009 at the Santa Susana site. Among other things, the Storm Water Expert Panel explains that dioxins are ubiquitous in the environment and come from wildfires and atmospheric deposition from widespread offsite emissions. As a result, "natural background soils are a significant source of dioxins in Storm Water" at Santa Susana.

Storm Water Outfall 002

General Approach for Achieving Compliance at Outfall 002

As was done for Outfall 001, a detailed discussion of the benchmark exceedances by constituent type and potential sources of these exceedances for Outfall 002 is noted in the paragraphs below. The approach in place for Outfall 001 is also in place for Outfall 002. These steps have been summarized in Table C of this report and are primarily focused on stabilization

[2] Available at http://www.boeing.com/aboutus/environment/santa_susana/tech_reports.html.

of streambed channel banks to reduce sediment erosion through the planting of native vegetation and hydroseed application. Boeing believes that implementing these stabilization and erosion control measures is the most effective way to meet effluent standards while not severely impacting the adjacent undisturbed habitats. These activities will continue to be re-evaluated and upgraded as needed to minimize the occurrence of any future benchmark exceedances.

Exceedance Summary

During the 2011 monitoring period, samples collected at Outfall 002 had four exceedances for two constituents with benchmark limits, as summarized in Table 3:

- On February 19, iron was detected at concentrations of 0.97 mg/L, which is above the daily maximum benchmark limit of 0.3 mg/L.

- On February 24-25, iron was detected at concentrations of 0.49 mg/L, which is above the daily maximum benchmark limit of 0.3 mg/L.

- On March 20, iron was detected at concentrations of 5.4 mg/L, which is above the daily maximum benchmark limit of 0.3 mg/L. Additionally, iron exceeded the mass-based benchmark limit of 400 lbs/day for March 20, 2011. The reported mass calculation is 468.23 lbs/day for March 20, 2011.

- On March 20, TCDD-TEQ was detected at a concentration of 4.98×10^{-8} µg/L, which is above the daily max benchmark limit of 2.8×10^{-8} µg/L.

Exceedance Discussion

Iron and Manganese

Benchmark limit exceedances for iron and manganese occurred at Outfall 002 in 2011. Outfall 002 is located in the undeveloped portion of the property where no industrial activities have occurred. The reduction of TSS in Storm Water runoff is likely to be the most effective approach for reducing concentrations of these metals. The background concentrations of these metals in the soil are likely a contributing factor as well. Boeing continues to investigate erosion sources and erosion control measures at the site, and will improve BMPs as appropriate, to better control sediment and associated metals transport into the surface water.

TCDD TEQ

The reported concentrations of TCDD TEQ in the samples collected on March 20 from Outfall 002 exceeded the daily max benchmark limit of 2.80×10^{-8} µg/L.

As discussed for Outfall 001, Boeing believes the metals concentrations in Storm Water runoff from the SSFL are associated with TSS consisting of native sediments and soils, and that TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics. Continued monitoring of surface water and aggressive BMP actions taken as noted above and in Table C to control sediment transport is underway until this issue is resolved.

Storm Water Outfall 003

There were no discharges from Outfall 003 during 2011. Therefore there were no permit limit exceedances at Outfall 003 in 2011.

Storm Water Outfall 004

There were no discharges from Outfall 004 during 2011. Therefore there were no permit limit exceedances at Outfall 004 in 2011.

Storm Water Outfall 005

There were no discharges from Outfall 005 during 2011. Therefore there were no permit limit exceedances at Outfall 005 in 2011.

Storm Water Outfall 006

There were no permit limit exceedances in discharges from Outfall 006 during 2011.

Storm Water Outfall 007

There were no discharges from Outfall 007 during 2011. Therefore there were no permit limit exceedances at Outfall 007 in 2011.

Storm Water Outfall 008

There were no permit limit exceedances in discharges from Outfall 008 during 2011.

Storm Water Outfall 009

General Approach to Achieving Compliance at Outfall 009

As noted in the Outfall 008 discussion under the ***Outfall 008/009 ISRA and BMP Plan Related Activities*** section, the compliance approach for Outfall 009 is addressed in the separate BMP plan. The Outfall 008/009 BMP plan was developed in 2010 and its implementation activities will continue through 2012. A discussion as to the most probable source of the exceedances for this outfall is noted below.

Exceedance Summary

During the 2011 monitoring period, Outfall 009 had one benchmark limit exceedance and one mass-based permit limit exceedance for one constituent collected at this outfall, as summarized in Table 3:

- On March 20, 2011 TCDD-TEQ was detected at a concentration of 8.26×10^{-8} µg/L, which is above the daily max benchmark limit of 2.8×10^{-8} µg/L. Additionally, TCDD TEQ exceeded the mass-based permit limit of 4.20×10^{-9} µg/L for March 20, 2011. The reported mass calculation is 8.02×10^{-9} for March 20, 2011.

Exceedance Discussion

TCDD TEQ

Concentrations of TCDD TEQ in samples collected from Outfall 009 during 2011 exceeded the daily max and daily mass benchmark/permit limit for TCDD TEQ.

TCDD congeners have been frequently detected in DTSC-approved, non-impacted background soils at the SSFL (MWH, 2005). In some areas, operations onsite have utilized combustion processes. However, when investigating these potentially impacted areas, the TCDD TEQ values in soils have been found either to be equivalent to background levels or, if elevated, they have been shown to decrease in relatively short distances to near background levels down slope or down drainage from the suspected source area.

Boeing continues to investigate and remove sources of TCDD within Outfall 009. As discussed above, substantial evidence, including a report from the Storm Water Expert Panel, shows that background conditions are significant contributors of regulated constituents, including TCDD at Outfall 009.

Boeing is committed to fulfilling the requirements of the NPDES permit and continues to take actions to reduce discharges of regulated constituents, including TCDD as described in the sections above of this report addressing Site-Wide Planting of Native Vegetation, Outfalls 008/009 ISRA and BMP Plan Related Activities, and Northern Drainage Activities, and in Table C below.

Storm Water Outfall 010

There were no permit limit exceedances in discharges from Outfall 010 during 2011.

Storm Water Outfall 011

Exceedance Summary

During the 2011 monitoring period, samples collected at Outfall 011 had two exceedances for two constituents with NPDES permit limits, as summarized in Table 3:

- On March 20 – 21, iron was detected at concentrations of 3.6 mg/L, which is above the NPDES permit limit of 0.3 mg/L.

- On March 20 – 21, manganese was detected at a concentration of 55 µg/L, which is above the NPDES permit limit of 50 µg/L.

Exceedance Discussion

Iron and Manganese

Boeing believes the metals concentrations in Storm Water runoff from the SSFL are associated with TSS consisting of native sediments and soils, and that TSS and metals loading will vary based on rainfall intensity, duration, and erosion characteristics. Indeed, there is substantial evidence showing that background conditions are significant contributors of regulated constituents, including metals.

A permanent SWTS at Outfall 011, located adjacent to R-1 Pond, for Storm Water discharges has been completed. This system replaced the temporary system that has been used in previous seasons. During this transition period, Storm Water discharges have been regulated through the existing structural BMP at Perimeter Pond and flow was controlled to prevent over topping. Additional BMP and SWPPP related actions at Outfall 011 are further described in Table C.

Storm Water Outfall 012

There were no discharges from Outfall 012 during 2011. Therefore there were no permit limit exceedances at Outfall 012 in 2011.

Storm Water Outfall 013

There were no discharges from Outfall 013 during 2011. Therefore there were no permit limit exceedances at Outfall 013 in 2011.

Storm Water Outfall 014

There were no discharges from Outfall 014 during 2011. Therefore there were no permit limit exceedances at Outfall 014 in 2011.

Storm Water Outfall 018

Exceedance Summary

During the 2011 monitoring period, samples collected at Outfall 018 had two exceedances for one constituent with NPDES permit limits, as summarized in Table 3:

- On February 26 – 27 and March 20, iron was detected at concentrations of 0.74 mg/L and 1.1 mg/L, respectively, which is above the NPDES permit limit of 0.3 mg/L.

Exceedance Discussion

Iron

Permit limit exceedances for iron occurred at Outfall 018 in 2011. Boeing believes that these metal exceedances are primarily due to the erosion and surface water transport of native uncontaminated soils, as these concentrations are similar to those seen in Storm Water runoff from offsite and other open areas (Flow Science, 2006). Additionally, Boeing has investigated and continues to investigate – with coordination with the DTSC – potential sources of constituents coming from areas of historical Site industrial activity. Boeing continues to investigate erosion sources and erosion control measures at the Outfall 018 watershed, and will improve BMPs as appropriate, to better control sediment and associated metals transport into the surface water.

The approach to meet permit limits has been employed at Outfall 018 as discussed above for Outfall 011. The construction of the permanent SWTS at Outfall 018 is complete and located adjacent to Silvernale Pond. This system replaced the temporary system that had been used in previous seasons. During this transition period, Storm Water was retained at Silvernale and R-2 Ponds, or conveyed to temporary retention tanks. Therefore, Storm Water discharges have been regulated by Storm Water conveyance, temporary retention and natural pond retention. Further discussion regarding the activities at the permanent SWTSs is included in the Outfall 011 and 018 Storm Water Treatment Systems section above. Additional BMP- and SWPPP-related actions at Outfall 018 are further described in Table C.

GETS Outfall 019

In 2011, Boeing continued treatment of certain waste streams using a fixed groundwater treatment unit operating under the DTSC Permit-by-Rule. Treated groundwater from the GETS was discharged from an effluent line located downstream of Outfall 001.

Exceedance Summary

During the 2011 monitoring period, samples collected at Outfall 019 had three exceedances for two constituent with NPDES permit limits, as summarized in Table 3:

- On September 7-8 and October 19-20, chloride was detected at concentrations of 170 mg/L and 250 mg/L, respectively, which are above the NPDES permit limit of 150 mg/L.

- On October 19-20, total dissolved solids (TDS) was detected at concentrations of 1,100 mg/L, which is above the NPDES permit limit of 950 mg/L.

Exceedance Discussion

Chloride and TDS

The elevated concentrations of chloride and TDS were caused from an overdosing of calcium chloride solution into the treatment system. Calcium chloride was introduced at the end of the treatment processes in order to prevent an NPDES permit exceedance in chronic toxicity.

The GETS actively utilizes ion exchange media to remove targeted metals. However the ion exchange media, when brand new is non-selective, and thus initially removes all the metal ions within the process stream. As a result, the process water lacks the buffering needed to support aquatic life as determined in the chronic toxicity test. After the system is operated for a period of time, the ion exchange media slowly begins to release (desorb) the metal ions (calcium, magnesium, potassium, etc.) and only adsorbs targeted metals specific to the media.

Internal field testing methods such as pH, hardness, alkalinity, etc. kits were used throughout the system to ensure the buffering and other parameters were adequate and within limits; however, additional testing to verify overdosing of calcium chloride did not take place. When the ion exchange media was replaced in August, the calcium chloride dosing rate was increased to account for lack of buffering in the process water but was not decreased quickly enough, thus overcompensating and increasing the buffering (chloride) in the process water.

The following corrective measure has been implemented in an effort to prevent chloride and TDS exceedances in the future: Following an ion exchange media change-out, the system will be re-started in "recycle" and the operator will check for hardness, chloride, and TDS at several sample locations using HACH® field test kits (hardness and chloride) and a Horiba U-22 Water Quality Instrument. After verifying the measured constituent concentration levels are within NPDES permit limits the system is returned to "normal" operation and allowed to discharge.

Arroyo Simi, Frontier Park (Receiving Water RSW-002 and Sediment Sampling Location)

Monitoring requirements for bacteria were added to the Santa Susana NPDES permit on June 3, 2010, in anticipation of the adoption in July 2010 of the Los Angeles River Watershed Total Maximum Daily Load (TMDL). In explaining why these requirements were added, the Board stated:

> "One of the [Basin Plan water quality] objectives [for Inland Surface Waters] included is bacteria, coliform. Since the water quality objective was not included in the current Order, the tentative permit includes a requirement to monitor for E. coli and for fecal coliform. The water quality objective is applicable to the Los Angeles River and Arroyo Las Posas which both have fresh water contact recreational beneficial uses. Consequently, the Discharger is required to monitor for the concentration of the constituents."

Response to Comments, The Boeing Company Santa Susana Field Laboratory Tentative Order No. R4-2-1—00XX, NPDES Permit No. CA0001309, CI No. 6027, at 14-15.

<u>Exceedance Summary</u>
During the 2011 monitoring period, samples collected at Arroyo Simi Receiving Water Location – Frontier Park (RSW-002) had three exceedances for two constituents with NPDES permit limits, as summarized in Table 3:

- On February 24, Escherichia Coli (E. Coli) was detected at a concentration of 300 MPN/100mL, above the single sample maximum receiving water NPDES permit limit of 235MPN/100mL.

- On March 19 and 24, E. Coli and Fecal Coliform were both detected at a concentrations of ≥1,600 MPN/100mL, above the single sample maximum receiving water NPDES permit limits of 235MPN/100mL for E. Coli and 400MPN/100mL for Fecal Coliform.

- The geometric mean for E. coli in March 2011 was calculated at 246 MPN/100mL, which is above the single sample maximum receiving water limits for E. coli of 126. The geometric mean for Fecal Coliform in March 2011 was calculated at 283 MPN/100mL and is above the single sample maximum receiving water limits for Fecal Coliform of 200 MPN/100mL.[3]

Exceedance Discussion

Bacteria

Boeing collects all sanitary waste generated at the Santa Susana site and transports it to a permitted offsite treatment and disposal facility for treatment and disposal. With the exception of the treated groundwater that is managed in a closed system until it is discharged, the permitted discharges consist entirely of Storm Water. Thus, there is no indication that any human waste can be exposed to or enter any Storm Water discharges from Santa Susana, and any bacteria detected in waters receiving Storm Water discharges from the site, such as the Arroyo Simi, therefore must have originated from non- human, natural sources.

To confirm that bacteria present in the Arroyo Simi were not of human origin, Boeing collected a sample from the Arroyo Simi-Frontier Park location on March 24, 2011 and analyzed it for human-specific Bacteroides. The laboratory results indicate that "the total Bacteroides detected in the samples was not derived from human [sources]; therefore it must be derived from other animal sources" (MWH, 2011).

Studies have shown that non-human sources, such as birds and wildlife, contribute to bacteria in Storm Water runoff.[4] Fecal coliform bacteria can enter rivers through direct discharge of waste from mammals and birds. Pets, especially dogs, can also contribute to fecal contamination of surface waters. Runoff from roads, parking lots, and yards can carry animal wastes to streams through storm sewers. Birds can be a significant source of fecal coliform

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[3] In a separate letter to Regional Board Staff dated May 13, 2011, Boeing summarized the actions it is taking to satisfy the bacteria monitoring requirements established the Santa Susana NPDES Permit.

[4] See, e.g., CREST (Nov 2008), LA River bacteria source identification study: Final Report, available at http://www.crestmdl.org/studies/BSI%20STUDY%@)REPORT.pdf; Grant, et al, (2001), "Generation of Enterococci Bacteria in a Costa Saltwater Marsh and Its Impact on Surf Zone Water Quality," Environ.Sci. Technol. 35(12):2407-2416; Griffin et al. (2001), "Marine Recreation and Public Health Microbiology: Quest for the Ideal Indicator," BioScience 51(10): 817-826; Tiefenthaler et al (2008), "Fecal indicator bacteria (FIB) levels during dry weather from Southern California reference streams," Environmental Monitoring and Assessment 155(1-4): 477-492.

bacteria. Wildlife present in the area include a variety of bird species; and small and large mammals such as ground squirrels, mice, bobcats, mountain lions, horses, dogs, all of which are sources of fecal coliform bacteria. Both fecal coliform and E. coli from a wide range of sources can be washed into streams, rivers and creeks during rainfall events.

Coliforms include genera that originate in feces (e.g. Escherichia) as well as genera not of fecal origin (e.g. Enterobacter, Klebsiella, Citrobacter). The assay is intended to be an indicator of fecal contamination; more specifically of E. coli which is an indicator of microorganism for other pathogens that may not be present in feces. Presence of fecal coliforms in water may not be directly harmful, and does not necessarily indicate the presence of feces (Doyle, M.P., and M.C. Erickson. 2006).

In adopting the Los Angeles River Watershed TMDL, the Regional Board has recognized that "there are natural sources of bacteria that may cause or contribute to exceedances of the single sample objectives and that it is not the intent of the Regional Board to require treatment or diversion of natural coastal creeks or to require treatment of natural sources of bacteria from undeveloped areas."[5] Given the Regional Board's expressed acknowledgment of such sources of bacteria such as the abundant and varied wildlife present throughout the Santa Susana site, Boeing will continue to monitor both E. Coli and human-specific Bacteroides in all samples collected for bacterial analysis at Frontier Park (as well as for fecal coliform, as required by the permit) to continue to verify that indicator bacteria at this sampling location are from animals and not human sources.

CORRECTIVE ACTIONS

Throughout 2011, Boeing took actions to improve the quality of surface water discharges as detailed above. In addition, Boeing continued implementation of the General Permit and General Construction SWPPPs. The 2011 SWPPP annual evaluation is included as Section 12 of this report.

Corrective actions include sediment and erosion control BMPs including hydromulch and hydroseed application, planting of native vegetation, housekeeping activities, weed abatement, structural BMP implementation or upgrades, and site-wide Storm Water conveyance system and treatment system optimization. For a more detailed description of the activities

[5] Resolution No. R10-007, July 9, 2010, Amendment to the Water Quality Control Plan for the Los Angeles Region to Incorporate a Total Maximum Daily Load for Indicator Bacteria in the Los Angeles River Watershed, Attachment A at 2-3.

implemented by Boeing in 2011 relative to corrective actions, please refer to the quarterly DMRs. The following table (Table B) lists the Outfall location and all respective BMP implemented and respective activities completed during the 2011 calendar year:

Table B. 2011 BMP Activities

OUTFALL	BMP ACTIVITIES DURING 2011
001 (South Slope below Perimeter Pond)	Performed regular inspections including sediment and erosion control BMPs, flume maintenance, housekeeping activities, outfall access road maintenance, and weed abatement. Additionally, native vegetation was planted and irrigated, hydroseed was applied along the drainage, outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment was performed as needed.
002 (South Slope below R-2 Pond)	Performed regular inspections including sediment and erosion control BMPs, flume maintenance, housekeeping activities, outfall access road maintenance, and weed abatement. Additionally, native vegetation was planted and irrigated, hydroseed was applied along the drainage, outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment was performed as needed.
003 (RMHF)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water filter system inspections, including flume maintenance, housekeeping activities, and weed abatement. Additionally, native vegetation was planted and irrigated, hydroseed was applied along the north-side of drainage, outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment and optimization of structural BMP system were also performed as needed.
004 (SRE)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water filter system inspections, flume maintenance, housekeeping activities, and weed abatement. Additionally, storage tanks were added for additional Storm Water retention, the outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment and optimization of structural BMP system were also performed as needed.
005 (FSDF-1)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs and sedimentation basin, and

OUTFALL	BMP ACTIVITIES DURING 2011
	Storm Water filter system inspections, housekeeping activities, and weed abatement. Additionally, storage tanks were added for additional Storm Water retention, maintenance and optimization of structural BMPs and Storm Water conveyance system were also performed as needed.
006 (FSDF-2)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water filter system inspections, including adding storage tanks for additional Storm Water retention, flume maintenance, housekeeping activities, and weed abatement. Additionally, the outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment and optimization of structural BMP system were also performed as needed.
007 (Building 100)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs and sedimentation basin, and Storm Water filter system inspections, housekeeping activities, and weed abatement. Additionally, storage tanks were added for additional Storm Water retention, maintenance and optimization of structural BMPs and Storm Water conveyance system were also performed as needed.
008 (Happy Valley)	Performed regular inspections including sediment and erosion control BMPs, flume maintenance, housekeeping activities, outfall access road maintenance, and weed abatement. Additionally, recently planted native vegetation was irrigated, hydroseed was applied near access road, outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment was performed as needed.
009 (WS-13 Drainage)	Performed regular inspections including sediment and erosion control BMPs, flume maintenance, housekeeping activities, and weed abatement. Additionally, recently planted native vegetation was irrigated, hydroseed was applied (ISRA, demo and BMP upgrade areas), culvert modification was completed, a sand bag berm for Storm Water retention was implemented, outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment was performed as needed.
010 (Building 203)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water filter system inspections, flume maintenance, housekeeping activities, and weed abatement. Additionally, hydroseed was applied, storage

OUTFALL	BMP ACTIVITIES DURING 2011
	tanks were added for additional Storm Water retention, the outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment and optimization of structural BMPs and conveyance system were also performed as needed.
011 (Perimeter Pond)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water weir inspections, flume maintenance, housekeeping activities, and weed abatement. Additionally, hydroseed was applied (demo areas), the outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample equipment and optimization of structural BMPs, weir and conveyance system were also performed as needed.
012 (Alfa Test Stand)	Performed regular BMP inspections including structural BMPs and Storm Water conveyance system inspections, housekeeping activities, and weed abatement. Additionally, hydroseed was applied (demo areas) storage tanks were added for additional Storm Water retention, maintenance and optimization of structural BMPs and Storm Water conveyance system were also performed as needed.
013 (Bravo Test Stand)	Performed regular BMP inspections including structural BMPs and Storm Water conveyance system inspections, housekeeping activities, and weed abatement. Additionally, hydroseed was applied (demo areas) storage tanks were added for additional Storm Water retention, maintenance and optimization of structural BMPs and Storm Water conveyance system were also performed as needed.
014 (APTF Test Stand)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs and sedimentation basin, and Storm Water filter system inspections, housekeeping activities, and weed abatement. Additionally, storage tanks were added for additional Storm Water retention, maintenance and optimization of structural BMPs were also performed as needed.
018 (R-2 Spillway)	Performed regular inspections including sediment and erosion control BMPs, structural BMPs, and Storm Water conveyance, and spillway inspections, flume maintenance, housekeeping activities, and weed abatement. Additionally, hydroseed was applied (demo areas), the outfall flow meter was calibrated, flow meter tape was replaced, and maintenance on sample

OUTFALL	BMP ACTIVITIES DURING 2011
	equipment and optimization of structural BMPs, weir and conveyance system were also performed as needed.
019 (GETS)	Performed regular system maintenance on a quarterly basis, including belt inspections, oil changes and system alarm check. System optimization including installation and replacement of media vessels were installed to enhance the filtration system. Treated ground water was discharged below the Outfall 001 location.

REASONABLE POTENTIAL ANALYSIS (RPA)

Outfall monitoring data were collected during the First (Outfalls 001, 002, 006, 008, 009, 010, 011, 018, and 019), Second (Outfall 019), Third (Outfalls 018 and 019), and Fourth (Outfalls 009 and 019) Quarters of 2011. Data from these quarters were added to the RPA data set, as per the MWH and Flow Science RPA procedures, for the following outfall monitoring groups: Outfalls 001, 002, 011, 018, 19; Outfalls 003-010; and Outfalls 012, 013 and 014 (MWH and Flow Science, 2006). The analytical results for the sample collected at Outfall 010 on February 26, 2011 did not trigger reasonable potential for Zinc, as detailed below. Additionally, RPA analyses were performed for E.Coli at Outfall 009 for samples collected on February 16 and March 20, 2011; these analyses are discussed below and also did not trigger reasonable potential. RPA was not triggered for any other constituent in 2011 not already regulated under the current NPDES Permit. Complete RPA tables for the outfall monitoring groups are provided in Section 11.

In response to the water quality objectives update for fecal coliform and the addition of water quality objectives for E. Coli as discussed in the first quarter 2011 DMR, RPA was not conducted for Fecal Coliform.

E. Coli

As noted above, Boeing collects all sanitary waste generated at the Santa Susana site and transports it to an offsite facility for treatment and disposal. The discharge at Outfall 009 consists entirely of Storm Water. Boeing continues to improve Storm Water quality in discharges at Outfall 009 through methods designed to preserve the natural conditions in the watershed to the maximum extent feasible by implementing erosion control/restoration measures such as the planting and maintenance of native plants and the application of hydroseed mulch, as well as through continuing with planned ISRA activities as detailed above and in the quarterly DMRs. Thus, there are no indications that any human waste can be

exposed to or enter any Storm Water discharges from Santa Susana, and any bacteria detected at Outfall 009 therefore must have originated from non- human, natural sources.

Additional samples confirmed that bacteria that were present in samples collected at Outfall 009 were not of human origin; and therefore derived from other animal sources (MWH, 2011). Details of these samples and analyses can be found the the first quarter 2011 DMR.

Zinc

The sample collected at Outfall 010 on February 26, 2011 was observed to have a total zinc concentration of 161 ug/L, a dissolved zinc concentration of 70.5 ug/L, and a hardness of 86 mg/L. Boeing has evaluated reasonable potential for zinc using the provisions of the California Toxics Rule (CTR). The CTR specifies that, for a hardness of 86 mg/L, the acute water quality criterion for dissolved zinc is 105.3 ug/L.[6] The sample dissolved zinc concentration of 70.5 ug/L is below the CTR criterion for zinc, and the sample does not trigger a finding of reasonable potential.[7]

Boeing does not believe the currently used RPA procedures are appropriate for storm water and storm water-dominated discharges from the SSFL. The RPA procedures are outlined in the California State Implementation Plan (SIP) and EPA's Technical Support Document for Water Quality-Based Toxics Control (TSD). It is inappropriate to use the RPA procedures for determining water quality impacts in the Storm Water context because those procedures were developed for steady-state discharges. Storm Water discharges are not steady-state discharges, but rather exhibit highly variable flow rates and water quality COC concentrations during and between storms.[8]

CONCLUSIONS

Based on the reported data in 2011 and in previous years, and consistent with published studies referenced in this report, Boeing believes that a majority of the constituents that

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[6] Note that the dissolved fraction of a metal is the toxicologically relevant bioavailable fraction, and the CTR criteria are thus provided in terms of the dissolved fraction of the metal. "Freshwater and saltwater criteria for metals are expressed in terms of the dissolved fraction of the metal in the water column." Federal Register, Vol. 65, No. 97, Thursday, May 18, 2000 (CTR), at footnote m on p. 31716. The criterion for zinc for a hardness of 86 mg/L was calculated using the equations provided at p. 31717 of the CTR.

[7] Alternatively, the CTR criterion for dissolved zinc can be converted to a criterion value for total zinc using the sample-specific conversion factor (CF), which describes the fraction of total zinc that is present in the dissolved phase. The CF for this sample is (70.5/161) = 44%, which results in a CTR criterion for total copper of 251 ug/L. Thus, the total zinc concentration of the sample (161 ug/L) is below the CTR criterion for total zinc.

[8] See Flow Science, Boeing SSFL Technical Memo for RPA Procedures (May 2006) (submitted to Regional Board May 8, 2006) available at: http://www.boeing.com/aboutus/environment/santa_susana/water_quality/tech_reports_10-11-10_ReasonablePotenAnalyMethodTechlMemo.pdf

exceeded permit limits in Storm Water discharges result from naturally occurring contributions (e.g., wildfires, native soil discharges into channels), or were detected at concentrations consistent with regional background concentrations.

As discussed above, the Expert Panel's reports on Metals and Dioxins shows that background conditions are significant contributors of regulated constituents. The Regional Board has recognized that many chemical constituents "are naturally occurring in the environment" and that in many cases "these constituents may be naturally elevated above the [applicable] water quality objective," thereby resulting in exceedances of applicable effluent limits. For this reason, Staff has recommended that the Regional Board "consider developing" implementation provisions for water quality standards to account for background conditions[9]. Boeing agrees that continued monitoring of surface water will provide a more thorough dataset with which to evaluate further the occurrence and likely sources of regulated constituents.

Mitigation actions were taken in 2011 under DTSC and Regional Board supervision to address the potential that former industrial activities at the Santa Susana site may have impacted localized areas of onsite soils and sediments that could have potentially affected surface water quality at some outfalls. These mitigation actions consisted of implementing an extensive system of BMPs at SSFL. Boeing has installed and continues to install BMPs to minimize the potential for surface water to contact and transport contaminated onsite soils, sediment, or bedrock, offsite that may be impacted with constituents regulated in the Santa Susana NPDES permit.

The efforts in 2011 by Boeing to reduce the amount of disturbed soil with implementation of sediment and erosion control BMPs, culvert modifications, Storm Water conveyance and construction of the SWTSs resulted in 99 percent compliance and a reduction of permit limit exceedances by approximately 80 percent from 2010.

Boeing will continue to evaluate patterns of compliance and non-compliance, potential source areas, and effectiveness of BMPs to minimize the potential for pollutants, whether naturally occurring or not, to impact surface water at Santa Susana.

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[9] See Revised Staff Report for 2008-2010 Triennial Review (Mar. 18, 2010); available at: http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/basin_plan/BasinPlanTriennialReview/Addl_Documents2010_03_18/Revised%20Staff%20Report.pdf; see also Response to Comments on the Draft Triennial Review Staff Report and Tentative Resolution at 3-5 (Mar. 18, 2010); available at: http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/basin_plan/BasinPlanTriennialReview/Addl_Documents2010_03_18/Response%20to%20Comments%20on%20the%20Tentative%20Resolution%20and%20Staff%20Report.pdf.

FACILITY CONTACT

If there are any questions regarding this report or it enclosures, you may contact Mr. Paul Costa of Boeing at (818) 466-8778.

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for a knowing violation.

Executed on the 27th day of February 2012 at The Boeing Company, Santa Susana Field Laboratory, Simi Valley, California.

Sincerely,

Thomas D. Gallacher
Site Director
Environment, Health and Safety

TDG/bjg

Figure 1 Storm Water Drainage System and Outfall Locations

Table 1 2011 Rainfall Summary
Table 2 2011 Liquid Waste Shipments
Table 3 2011 Summary of Permit Limit and Benchmark Limit Exceedances

Attachments:

Section 1 Outfall 001 South Slope below Perimeter Pond
Section 2 Outfall 002 South Slope below R-2 Pond
Section 3 Outfall 006 FSDF-2
Section 4 Outfall 008 Happy Valley
Section 5 Outfall 009 WS-13 Drainage
Section 6 Outfall 010 Building 203
Section 7 Outfall 011 Perimeter Pond
Section 8 Outfall 018 R-2A Pond
Section 9 Outfall 019 GETS
Section 10 Receiving Water and Sediment Sample Location – Arroyo Simi (Frontier Park)
Section 11 Reasonable Potential Analysis (RPA) Summary Tables
Section 12 Storm Water Pollution Prevention Plan Annual Evaluation
Section 13 Analytical Laboratory Methods, Method Detection Limits, Reporting Limits, QA/QC Procedures, and ELAP Certifications

cc: Ms. Cassandra Owens, Regional Water Quality Control Board
Mr. Stewart Black, Department of Toxic Substances Control
Mr. Roger Paulsen, Department of Toxic Substances Control
Mr. Robert Marshall, California State University – Northridge, Library
Mr. Gabriel Lundeen, Simi Valley Library
Ms. Lynn Light, Platt Branch, Los Angeles Library
Ms. Bronwyn Kelly, MWH (ltr only)
Mr. Brandon Steets, Geosyntec (electronic copy)

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Flow Science. 2006. Potential Background Constituent Levels in Storm Water at Boeing's Santa Susana Field Laboratory, Santa Susana Field Laboratory, Ventura County, California. February 23.

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FIGURE 1

STORM WATER DRAINAGE SYSTEM AND OUTFALL LOCATIONS

1783400 1788400 1793400 1798400

267400

262400

DRAINAGE TO MEIER CANYON

DRAINAGE TO ARROYO SIMI

UNDEVELOPED LAND

NASA PROPERTY AREA I

UNDEVELOPED LAND

Silvernale Pond

R-1 Pond

Skyline Water Tanks

GETS

R-2B Pond

R-2X Pond

Perimeter Pond

AREA IV

AREA III

AREA II (NASA)

AREA I

DRAINAGE TO DAYTON CANYON

UNDEVELOPED LAND

GETS Discharge Location

DRAINAGE TO BELL CANYON

DESCRIPTIONS OF PROPOSED DISCHARGE OUTFALL LOCATIONS

NPDES OUTFALL NO.	DESCRIPTION	PRIMARY OVERSIGHT AGENCY
001	Treated Groundwater and Stormwater, South Slope	RWQCB
002	Stormwater, South Slope	RWQCB
003	Stormwater; Radioactive Material Handling Facility (RMHF)	RWQCB
004	Stormwater; Sodium Reactor Experiment Area	RWQCB
005	Stormwater; Sodium Burn Pit 1	RWQCB
006	Stormwater; Sodium Burn Pit 2	RWQCB
007	Stormwater; Building 100	RWQCB
008	Stormwater; Happy Valley	RWQCB
009	Stormwater; WS-13 Drainage	RWQCB
010	Stormwater; Building 203	RWQCB
011	Stormwater, Perimeter Pond	RWQCB
012	Stormwater, Alfa Test Stand	RWQCB
013	Stormwater, Bravo Test Stand	RWQCB
014	Stormwater; APTF (Advanced Propulsion Test Facility)	RWQCB
015	STP-1 (Remove Wastewater)	--
016	STP-2 (Remove Wastewater)	--
017	STP-3 (Remove Wastewater)	--
018	Stormwater, R-2 Spillway	RWQCB
019	Treated Groundwater, GETS	RWQCB

0 500 1,000 2,000 Feet

MAP COORDINATES IN STATE PLANE, NAD 27, ZONE V

NPDES Outfalls (RWQCB Primary Oversight Authority)

Historical NPDES Outfalls

Groundwater Extraction Treatment System (GETS)

Legend

Effluent Pathways

Surface Water Drainage Divide

Natural Drainage

Concrete Lined Drainage

Graded Drainage

Surface Water Reclamation Ponds

Base Map Legend

SSFL Property Boundary

Administrative Area Boundary

Ground Elevation Contours

Drainage Pathways

A/C Curbing

Dirt Road

Existing Building or Structure

Site Map with Outfall Locations and Storm Water Drainage Systems

Date: April 12, 2010

File: \\Ursa1netapp1\dri\rocketdyne gis\MasterGISFiles SiteWideProjects\NPDES\NPDES_StorageWaterDrainage.mxd

MWH

FIGURE 1

TABLE 1

2011 RAINFALL SUMMARY

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: January 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0.01	0.03	0.12	0.04	0.03	0.07	0.05	0.01	0	0	0	0	0	0.36
3	0	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0.07	0.03	0	0	0	0.02	0.05	0	0	0	0	0	0	0	0.17
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: February 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0.01	0	0	0.02	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.09	0.15
16	0.11	0.05	0.03	0.04	0.03	0.01	0.01	0.01	0.08	0	0.06	0	0	0	0	0	0	0	0	0	0	0	0	0	0.43
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0.05	0.03	0.04	0.40	0.45	0.20	0.19	0.06	0	0.01	1.43
19	0.02	0	0	0	0	0	0	0	0	0	0.01	0	0	0.02	0	0.05	0.12	0	0.01	0.03	0	0.03	0.02	0.00	0.31
20	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0.01	0.01	0.05	0.02	0.03	0.02	0.08	0.07	0.11	0.04	0.07	0.10	0.18	0.26	0.15	0.09	1.29
26	0.13	0.06	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.21
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

INV = Negative under range, invalid hour
p = Power failure, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: March 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0.02	0.01	0.03	0.02	0.01	0.12
3	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0	0.01	0.03
7	0.02	0.01	0.02	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.09
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08	0.08
19	0.11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.01	0.03	0.16
20	0.07	0.10	0.14	0.03	0.12	0.05	0.12	0.07	0.25	0.37	0.27	0.40	0.10	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	2.09
21	INV	INV	INV	INV	INV	INV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.07	0.15	0	0	0	0	0	0	0	0.28
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0.02	0.05	0.04	0.06	0.03	0.04	0.04	0.09	0.38
25	0.09	0.13	0.14	0.06	0.02	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.45
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0.01	0.04	0.01	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.08
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0.10D	0	0	0	0	0	0	0	0	0	0	0	0	0.10
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

INV = Negative under range, invalid hour
D = Marked down, valid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: April 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

p = Power failure, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: May 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0.03	0.07	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0.04	0.04	0.06	0.05	0.05	0.06	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.06	0.08	0.46
18	0.06	0.01	0	0.01	0.02	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.11
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

p = Power failure, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: June 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0	0.01
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: July 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: August 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
31	0	0	0	0	0	0	0	0	0	INV	INV	0.00p	0	0	0	0	0	0	0	0	0	0	0	0	0.00

INV = Negative under range, invalid hour
p = Power failure, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: September 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0.02	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	INV	INV	INV	0.00
16	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
17	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	INV	0.00
18	INV	INV	INV	INV	INV	INV	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0.10 D	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

INV = Negative under range, invalid hour
D = Marked down, valid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: October 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	INV	0.00p	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0.05	0.04	0.07	0.05	0.07	0.14	0.18	0.16	0.14	0	0	0	0	0	0	0	0	0	0	0	0.90
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0.54D	9.43D	2.74D	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

INV = Negative under range, invalid hour
p = power failure, invalid hour
D = marked down, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: November 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0.02	0.01	0	0	0	0	0	0	0.04	0	0	0.03	0.02	0.01	0	0	0	0	0	0	0	0.13
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0.05	0.23	0.16	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0.45
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0	0	0	0.07	0.14	0.26	0.47
12	0.02	0.2	0.03	0	0.02	0	0	0	0	0	0	0	0	0	0	0.01	0	0	0.01	0	0	0	0	0	0.29
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.01	0	0.03
20	0	0	0	0	0	0	0.01	0	0	0.06	0.2	0.29	0.01p	0.08	0.07	0.01	0.01	0	0	0	0	0.01	0	0	0.74
21	0	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

p = Power failure, invalid hour

TABLE 1
DAILY RAINFALL SUMMARY

THE BOEING COMPANY
NPDES PERMIT NUMBER
CA0001309

Station: AREA4
Parameter: Rain
Month/Year: December 2011

HOUR OF THE DAY

DAY OF THE MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	Total
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
2	0	0	0	0	0	0	0	0	0	0	0.00p	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00D	0.00p	0	0	0	0	0	0	0	0	0	0.00
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
12	0	0	0.01	0.02	0.03	0	0.06	0.21	0.13	0.09	0.05	0.03	0	0	0	0	0	0	0	0.01	0	0	0	0	0.64
13	0.02	0	0	0	0	0	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.05	0	0	0	0	0	0	0	0	0.05
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.07	0.01	0	0	0	0	0	0.08
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00

D = Marked down, valid hour
p = Power failure, invalid hour

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
1/3/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/3/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/3/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/5/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/5/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/6/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/6/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/11/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/11/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/11/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
1/13/2011	NON HAZARDOUS GROUNDWATER FROM BUILDING 4024	43820	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/13/2011	NON HAZARDOUS GROUNDWATER FROM BUILDING 4024	41660	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/13/2011	NON HAZARDOUS GROUNDWATER FROM BUILDING 4024	43360	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/14/2011	NON HAZARDOUS GROUNDWATER FROM BUILDING 4024	36560	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/14/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/14/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/14/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/18/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/18/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/18/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/20/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/20/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/25/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/25/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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1/25/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
1/25/2011	GROUNDWATER WITH TRICHLOROETHENE (TCE) - HAZ WASTE	33600	LBS	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
1/27/2011	GROUNDWATER WITH TRICHLOROETHENE (TCE) - HAZ WASTE	18680	LBS	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
2/1/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/1/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/1/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/8/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/8/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/8/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/15/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/22/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/22/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/22/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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2/23/2011	HAZARDOUS GROUNDWATER WITH TRICHLOROETHENE (TCE)	18480	LBS	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
2/25/2011	NON HAZARDOUS STORMWATER FROM ELV	41360	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/25/2011	NON HAZARDOUS STORMWATER FROM ELV	42400	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/28/2011	NON HAZARDOUS STORMWATER FROM ELV	41980	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/28/2011	NON HAZARDOUS STORMWATER FROM ELV	40300	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
2/28/2011	NON HAZARDOUS STORMWATER FROM ELV	25760	LBS	SOUTHWEST PROCESSORS INC.	SOUTHWEST PROCESSORS INC.
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/1/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/1/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/1/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/8/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/8/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/8/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/15/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/15/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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3/22/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/22/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/22/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/25/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/29/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/29/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/29/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/29/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
3/30/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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4/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/6/2011	NON-RCRA HAZARDOUS LIQUID PCBs	157	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				HWY 73 NEAR TAYLORS BAYOU, PORT ARTHUR, TX 77643	PORT ARTHUR, TX
4/7/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/8/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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4/12/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/12/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/13/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/13/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
4/18/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/19/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/19/2011	WASTE WATER FROM AREA III BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/20/2011	WASTE WATER FROM AREA I BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/20/2011	WASTE WATER FROM AREA I BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/22/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/22/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	

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4/22/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/25/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/25/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/25/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/25/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/26/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/26/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
4/26/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/3/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/3/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/3/2011	WASTE WATER FROM AREA III PIT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/5/2011	HAZARDOUS WASTE LIQUID	133	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/10/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/10/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
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DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
5/10/2011	WASTE WATER FROM AREA III PIT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/9/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	41440	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/9/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	43120	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/11/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	39280	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/11/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	41420	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/11/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	44300	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/12/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	43660	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/12/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	42560	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/12/2011	NON HAZARDOUS WATER FROM ELV-1D POND STORMWATER TANKS	11300	P	SOUTHWEST TREATMENT SYSTEMS, INC.	SOUTHWEST TREATMENT SYSTEMS, INC.
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
5/17/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/17/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/17/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/18/2011	HAZARDOUS WASTE GROUNDWATER WITH TCE	33260	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
5/20/2011	HAZARDOUS WASTE GROUNDWATER WITH TCE	38820	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058

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DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
5/23/2011	HAZARDOUS WASTE GROUNDWATER WITH TCE	41380	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
5/24/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/24/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/24/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/26/2011	NON HAZARDOUS WATER RINSE WATER	138	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/26/2011	HAZARDOUS WASTE LIQUID WITH PCBs	8	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
5/26/2011	HAZARDOUS WASTE LIQUID WITH PCBs	10	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
5/26/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB BALLASTS	86	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
5/26/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB CAPACITORS	18	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
5/26/2011	HAZARDOUS WASTE LIQUID TCE WATER	104	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/26/2011	HAZARDOUS WASTE FLAMMABLE LIQUID	12	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/26/2011	HAZARDOUS WASTE AMINES LIQUID	6	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/26/2011	NON-RCRA HAZARDOUS WASTE LIQUID	14	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
5/26/2011	HAZARDOUS WASTE TOXIC LIQUID	39	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA

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DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
5/31/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	MP ENVIRONMENTAL SERVICES	LACSD Saugus
5/31/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
5/31/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/7/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/7/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/7/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/14/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/16/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
6/22/2011	NON HAZARDOUS WATER FROM CTL-V	4980	P	SOUTHWEST TREATMENT SYSTEMS, INC	SOUTHWEST TREATMENT SYSTEMS, INC
				4120 BANDINI BLVD., VERNON, CA 90058	VERNON, CA
6/30/2011	HAZARDOUS WASTE LIQUID	13	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
7/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/5/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/5/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/13/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/13/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

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7/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/20/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/27/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/27/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/27/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
7/28/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE WATER)	1520	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/3/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/3/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/3/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/10/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/10/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/10/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/10/2011	WASTE FLAMMABLE LIQUIDS (ALCOHOLS, COPPER TUBING)	18	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE MERCURY	20	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA

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DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
8/10/2011	HAZARDOUS WASTE LIQUID (CADMIUM, LEAD)	2489	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	HAZARDOUS WASTE LIQUID (ACETONE, BENZENE)	105	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	POLYCHLORINATED BIPHENYLS - LIQUID	16	K	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB CAPACITORS	657	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB CAPACITORS	300	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB CAPACITORS	200	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - NON PCB BALLASTS	999	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				5736 WEST JEFFERSON ST., PHOENIX, AZ 85043	PHOENIX, AZ
8/10/2011	WASTE GASOLINE	11	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE FLAMMABLE LIQUIDS (LABPACK)	9	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE HYDROCHLORIC ACID SOLUTION	21	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE SODIUM HYDROXIDE SOULTION	12	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE CYANIDE SOLUTION	24	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE TOXIC LIQUID (SODIUM CYANIDE, SODIUM HYDROXIDE)	40	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	WASTE TOXIC LIQUID (SODIUM CYANIDE, SODIUM HYDROXIDE)	38	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA

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8/10/2011	WASTE TOXIC LIQUID (SODIUM CYANIDE, SODIUM HYDROXIDE)	41	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - OIL, WATER	423	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/10/2011	NON-RCRA HAZARDOUS WASTE LIQUID - OIL, WATER	7	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
8/17/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/17/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/17/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/19/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE)	29800	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
8/23/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/23/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/23/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/30/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/30/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
8/30/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	

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9/6/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/6/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/13/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/20/2011	WASTE WATER FROM AREA II BAKER TANK	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/20/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/22/2011	ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID	14820	P	MP ENVIRONMENTAL SERVICES	VEOLIA ES TECH. SOLUTIONS LLC
					PHOENIX, AZ
9/27/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
9/27/2011	WASTE WATER FROM AREA III PIT 2	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD., LOS ANGELES, CA 90058	
10/4/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE)	568	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
10/4/2011	HAZARDOUS WASTE LIQUID (CADMIUM, CHROMIUM)	132	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
10/11/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
10/11/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/11/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/11/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/13/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/13/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/14/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/18/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/18/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/18/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/25/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/25/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
10/25/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/1/2011	WASTE WATER FROM AREA III PIT 2 SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/1/2011	WASTE WATER FROM AREA III PIT 3 SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/2/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	500	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/2/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	4500	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/2/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/7/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE)	103	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/8/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/8/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/8/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/15/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/15/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/15/2011	NON HAZARDOUS WASTE LIQUID (WATER)	324	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	HAZARDOUS WASTE FLAMMABLE LIQUIDS	80	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	NON-RCRA HAZARDOUS WASTE LIQUID (LABPACK)	14	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
11/15/2011	NON-RCRA HAZARDOUS WASTE LIQUID (RESINS, ADHESIVES)	204	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	HAZARDOUS WASTE LIQUID (CADMIUM, LEAD)	1007	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	HAZARDOUS WASTE LIQUID (METHANOL, WATER)	683	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE)	348	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
11/15/2011	HAZARDOUS WASTE LIQUID (CADMIUM, CHROMIUM)	110	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/15/2011	NON-RCRA HAZARDOUS WASTE LIQUID (OIL, WATER)	14	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
11/22/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/22/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/22/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/29/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/29/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
11/29/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/6/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	

TABLE 2
2011 LIQUID WASTE SHIPMENT SUMMARY
JANUARY 2011 THROUGH DECEMBER 2011

THE BOEING COMPANY
SANTA SUSANA SITE
NPDES PERMIT NUMBER CA0001309

DATE SHIPPED	TYPE OF LIQUID	QTY.	UNITS	TRANSPORTER	DESTINATION
12/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/13/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/19/2011	HAZARDOUS WASTE LIQUID (TRICHLOROETHENE)	4320	P	MP ENVIRONMENTAL SERVICES	SIEMENS WATER TECHNOLOGIES
					5375 S. BOYLE AVE., LOS ANGELES, CA 90058
12/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/20/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/20/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/20/2011	HAZARDOUS WASTE LIQUID (AMINES)	12	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
12/20/2011	NON-RCRA HAZARDOUS WASTE LIQUID (LABPACK)	38	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
12/20/2011	NON-RCRA HAZARDOUS WASTE LIQUID (LABPACK)	30	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA
12/29/2011	WASTE WATER FROM AREA I SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/29/2011	WASTE WATER FROM AREA II SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Saugus
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/29/2011	WASTE WATER FROM AREA III SEWAGE TREATMENT PLANT	5000	GAL.	SOUTHWEST PROCESSORS INC.	LACSD Carson
				4120 BANDINI BLVD. LOS ANGELES, CA 90058	
12/29/2011	NON HAZARDOUS WASTE LIQUID (WATER)	58	P	VEOLIA ES TECH. SOLUTIONS LLC	VEOLIA ES TECH. SOLUTIONS LLC
				1704 WEST FIRST STREET, AZUSA, CA 91702	AZUSA, CA

SUMMARY OF PERMIT LIMIT EXCEEDANCES

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

DAILY MAX PERMIT LIMIT EXCEEDANCES

OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Outfall 011	Perimeter Pond Weir	03/20/11	Iron	0.3	3.6	mg/L	--
Outfall 011	Perimeter Pond Weir	03/20/11	Manganese	50	55	ug/L	--
Outfall 018	R-2 Spillway	02/27/11	Iron	0.3	0.74	mg/L	--
Outfall 018	R-2 Spillway	03/20/11	Iron	0.3	1.1	mg/L	--
Outfall 009	WS-13 Drainage	03/20/11	TCDD TEQ_NoDNQ	2.80E-08	8.26E-08	ug/L	--
Arroyo Simi	Frontier Park Receiving Water	02/24/11	E. Coli	235	300	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	03/19/11	E. Coli	235	>=1600	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	03/19/11	Fecal Coliform	400	>=1600	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	03/24/11	E. Coli	235	>=1600	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	03/24/11	Fecal Coliform	400	>=1600	MPN/100 ml	--
Outfall 019	Treatment System	9/07-08/2011	Chloride	150	170	mg/L	--
Outfall 019	Treatment System	10/20/11	Chloride	150	250	mg/L	--
Outfall 019	Treatment System	10/20/11	Total Dissolved Solids	950	1100	mg/L	--

GEOMETRIC MEAN PERMIT LIMIT EXCEEDANCES

OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	PERMIT LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Arroyo Simi	Frontier Park Receiving Water	3/9-4/7/2011	E. Coli	126	246	MPN/100 ml	--
Arroyo Simi	Frontier Park Receiving Water	3/9-4/7/2011	Fecal Coliform	200	283	MPN/100 ml	--

DAILY MASS PERMIT LIMIT EXCEEDANCES

OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	BENCHMARK LIMIT MASS DAILY MAX	DAILY MASS RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Outfall 009	WS-13 Drainage	03/20/11	TCDD TEQ_NoDNQ	4.20E-09	8.02E-09	lbs/day	--

SUMMARY OF PERMIT LIMIT EXCEEDANCES

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

DAILY MAX BENCHMARK LIMIT EXCEEDANCES

OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	BENCHMARK LIMIT DAILY MAX	DAILY MAX RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Outfall 001	South Slope below Perimeter Pond	03/20/11	Iron	0.3	5.7	mg/L	--
Outfall 001	South Slope below Perimeter Pond	03/20/11	Manganese	50	81	ug/L	--
Outfall 001	South Slope below Perimeter Pond	03/20/11	TCDD TEQ_NoDNQ	2.80E-08	3.27E-08	ug/L	--
Outfall 002	South Slope below R-2 Pond	02/19/11	Iron	0.3	0.97	mg/L	--
Outfall 002	South Slope below R-2 Pond	02/26/11	Iron	0.3	0.49	mg/L	--
Outfall 002	South Slope below R-2 Pond	03/20/11	Iron	0.3	5.4	mg/L	--
Outfall 002	South Slope below R-2 Pond	03/20/11	TCDD TEQ_NoDNQ	2.80E-08	4.98E-08	ug/L	--

DAILY MASS BENCHMARK LIMIT EXCEEDANCES

OUTFALL	LOCATIONS	SAMPLE DATE	ANALYTE	BENCHMARK LIMIT MASS DAILY MAX	DAILY MASS RESULT	UNITS	RESULT CONCENTRATION VALIDATION QUALIFIER
Outfall 002	South Slope below R-2 Pond	03/20/11	Iron	400	468.23	lbs/day	--

2011 REPORTING SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Notes:

1. For Dioxins and Furans, laboratory results may have been reported in picograms/liter (pg/L). However, the permit limit is stated in micrograms/liter (µg/L). To evaluate permit compliance, the laboratory results have been converted to µg/L, as necessary, to calculate the TCDD TEQ.

2. TCDD TEQs for the purpose of determining permit compliance are the sum of the products of the detected dioxin congener concentration multiplied by that congener's TEF. The resulting compliance TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 40 of the NPDES permit.

3. For some sample dates, pH was determined with a field instrument and was noted as such. These results were not validated. Since pH does not have an RL, the possible pH range is shown in the RL column.

4. The NPDES permit limit or benchmark limit for mercury of 0.10 µg/L (Outfalls 001, 002, 011, 018 and 019) and 0.13 µg/L (Outfalls 003-010) are not achievable by the laboratory; therefore, the laboratory reporting limit of 0.20 µg/L was used to determine compliance.

5. All of the following abbreviations and/or notes may not occur on every table.

-92.9 +/-200	A negative radiochemical analytical result indicates the count rate of the sample was less than the background condition
$	reported result or other information was incorrectly reported by the laboratory; result was corrected by the data validator
--	based on validation of the data, a qualifier was not required
-/-	no permit limit established for daily maximum or monthly average
<(value)	analyte not detected at a concentration greater than or equal to the DL, MDL, or RL (see laboratory report for specific detail)
*	result not validated
*1	improper preservation of sample
*2	the ICP/MS ppb check standard was recovered above the control limit; therefore, the constituent detected was qualified as estimated (J)
*3	initial and or continuing calibration recoveries were outside acceptable control limits
*5	blank spike/blank spike duplicate relative percent difference was outside the control limit

2011 REPORTING SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

*10	value was estimated detect or estimated non detect (J,UJ) due to deficiencies in quantitation of the constituent including constituents reported by the laboratory as Estimated Maximum Possible Concentration (EMPC) values
*11	no calibration was performed for this compound; result is reported as a tentatively identified compound (TIC)
ANR	analysis not required; e.g., constituent or outfall was not required by the permit to be sampled and analyzed (annual, semi-annual, etc.)
B	laboratory method blank contamination
C	calibration %RSD or %D were noncompliant
C5	Calibration verification %R was outside method control limits
%D	percent difference between the initial and continuing calibration relative response factors
deg F	degrees Fahrenheit
DL	detection limit
DNQ	detected but not quantified (constituent value greater than or equal to the laboratory method detection limit and less then the laboratory reporting limit)
E	duplicates show poor agreement
H	holding time was exceeded
I	ICP interference check solution results were unsatisfactory
J	estimated value
K	The sample dilution's set-up did not meet the oxygen depletion criteria of at least 2 mg/l. Therefore, the reported result is an estimated value only.
L2	the laboratory control sample %R was below the method control limits
L	laboratory control sample %R was outside control limits
LOD	limit of detection
M1	matrix spike (MS) and/or MS duplicate were above the acceptance limits due to sample matrix interference
M2	the MS and/or MS duplicate were below the acceptance limits due to sample matrix interference
MDL	method detection limit
MGD	million gallons per day
MHA*	Due to high level of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information.
mg/L	milligrams per liter
ml/L/hr	milliliters per liter per hour
NA	not applicable; no permit limit established for the constituent and/or outfall
ND	analyte value less than the LOD or MDL
NM	not measured or determined
NTU	nephelometric turbidity unit
pCi/L	picocurries per liter

2011 REPORTING SUMMARY NOTES
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

pg/L	picograms per liter
Q	matrix spike recovery outside of control limits
R	as a validation qualifier, results are rejected; the presence or absence of analyte cannot be verified
R	(reason code in parentheses) %R for calibration not within control limits
RL	laboratory reporting limit
RL-1	reporting limit raised due to sample matrix effects
%RSD	percent relative standard deviation
S	surrogate recovery was outside control limits
TEQ	toxic equivalent
T	presumed contamination, as indicated by a detect in the trip blank
TU_c	toxicity units (chronic)
U	result not detected
µg/L	micrograms per liter
UJ	result not detected at the estimated reporting limit
umhos/cm	micromhos per centimeter
WHO TEF	World Health Organization toxic equivalency factor
^	analysis not completed due to hold time exceedence or insufficient sample volume

SECTION 1

OUTFALL 001 (SOUTH SLOPE BELOW PERIMETER POND)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.0	*
Chloride	mg/L	150/-	Comp	3.2	*
Dissolved Oxygen	mg/L	-/-	Grab	10.38	*
E. Coli	MPN/100 ml	-/-	Grab	240	*
Fecal Coliform	MPN/100 ml	-/-	Grab	240	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	110	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	Comp	0.22	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.45	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.45	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*
Total Settleable Solids	ml/L	0.3/-	Grab	0.10	*
Sulfate	mg/L	300/-	Comp	4.2	*
Temperature	deg. F	86/-	Grab	48	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	110	*
Hardness	mg/L	-/-	Comp	40	--
Hardness, dissolved	mg/L	-/-	Comp	30	--
Total Organic Carbon	mg/L	-/-	Comp	11	--
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Total Suspended Solids	mg/L	45/-	Comp	57	--
Turbidity	NTU	-/-	Comp	140	--
Volume Discharged	MGD	160/-	Meas	5.820685	*
METALS					
Antimony	ug/L	6.0/-	Comp	0.45	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.32	J* (DNQ)
Arsenic	ug/L	10/-	Comp	ND < 10	U (B)
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.043	--
Barium, dissolved	mg/L	-/-	Comp	0.019	--
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	0.048	J (DNQ)
Boron, dissolved	mg/L	-/-	Comp	0.052	--
Cadmium	ug/L	(4.0) 3.1/-	Comp	0.10	J* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	9.6	--
Calcium, Dissolved	mg/L	-/-	Comp	8.5	--
Chromium	ug/L	16/-	Comp	8.3	--
Chromium, dissolved	ug/L	-/-	Comp	2.3	J (DNQ)
Chromium VI	ug/L	16/-	Comp	ND < 0.250	H3*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

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ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cobalt	ug/L	-/-	Comp	2.7	J (DNQ)
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/-	Comp	5.31	*
Copper, dissolved	ug/L	-/-	Comp	2.20	*
Iron	mg/L	0.3/-	Comp	5.7	--
Iron, dissolved	mg/L	-/-	Comp	0.088	--
Lead	ug/L	5.2/-	Comp	4.1	*
Lead, dissolved	ug/L	-/-	Comp	0.29	J* (DNQ)
Magnesium	mg/L	-/-	Comp	3.9	--
Magnesium, Dissolved	mg/L	-/-	Comp	2.2	--
Manganese	ug/L	50/-	Comp	81	--
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	Comp	6.5	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	2.5	J (DNQ)
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	12	--
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/-	Comp	27.0	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.094	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.
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ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 4.72	U
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	C*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	C*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0014	C*
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	C*
Anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*

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ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 4.72	R (L)
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 4.72	U (B)
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	C*
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	C*
Diethylphthalate	ug/L	-/-	Comp	0.226	J (DNQ)
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	Comp	0.396	J (DNQ)
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	C*
Endrin	ug/L	-/-	Comp	ND < 0.0019	C*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	C*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
Hexachloroethane	ug/L	-/-	Comp	ND < 0.189	U

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ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	C*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	Comp	ND < 0.0943	U
Nitrobenzene	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	L*

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			3/24/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	Grab	80.0	--
Fecal Coliform	MPN/100 ml	-/-	Grab	80.0	--
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrite-N	mg/L	1/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/-	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/-	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR
Volume Discharged	MGD	160/-	Meas	0.145785	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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			3/24/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/-	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR
Nickel	ug/L	96/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	4.1/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/-	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR

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ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/24/2011[a]		
ANALYTE	UNITS	Benchmark Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/24/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/29/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	Grab	8.78	--
Fecal Coliform	MPN/100 ml	-/-	Grab	8.78	--
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrite-N	mg/L	1/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/-	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/-	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR
Volume Discharged	MGD	160/-	Meas	0.095045	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/29/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/-	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR
Nickel	ug/L	96/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	4.1/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/-	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/29/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/29/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/29/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			4/4/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	Grab	30.0	*
Fecal Coliform	MPN/100 ml	-/-	Grab	30.0	*
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrite-N	mg/L	1/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/-	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/-	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR
Volume Discharged	MGD	160/-	Meas	0	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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			4/4/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/-	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR
Nickel	ug/L	96/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	4.1/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	6.0/-	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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			4/4/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			4/4/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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			4/4/2011[a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling event is a dry discharge.

OUTFALL 001 (South Slope below Perimeter Pond)

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Sample Type Composite
Sample Date March 20-21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.70E-06	5.00E-05	6.40E-05	--		0.01	0.05	**3.20E-08**
1,2,3,4,6,7,8-HpCDF	3.80E-06	5.00E-05	1.80E-05	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.60E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.80E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.60E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.50E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.70E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.30E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.40E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.40E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.10E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.40E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.90E-06	1.00E-04	7.20E-04	--		0.0001	0.01	**7.20E-10**
OCDF	3.20E-06	1.00E-04	4.40E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**3.27E-08**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 001 (Frontier Park Receiving Water)

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January 1 through December 31, 2011

			03/20-21/2011 (Comp)		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	3.09 ± 0.55	0.307	J (C)
Gross Beta	pCi/L	50/-	6.03 ± 0.68	0.819	--
Strontium-90	pCi/L	8.0/-	-0.071 ± 0.31	0.744	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.01 ± 0.76	1.15	U
Tritium	pCi/L	20000/-	-59.7 ± 96	166	U
Uranium, Total	pCi/L	20/-	0.438 ± 0.051	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 23.5	23.5	U
Cesium 137	pCi/L	200/-	ND < 1.46	1.46	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 001 (South Slope below Perimeter Pond)

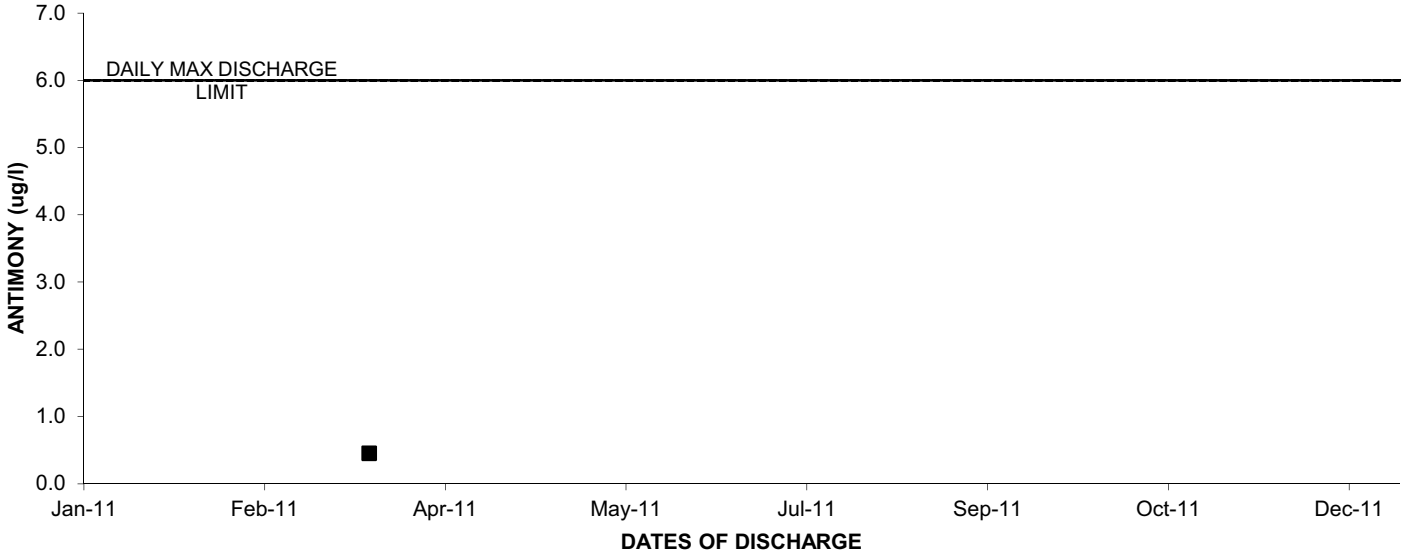
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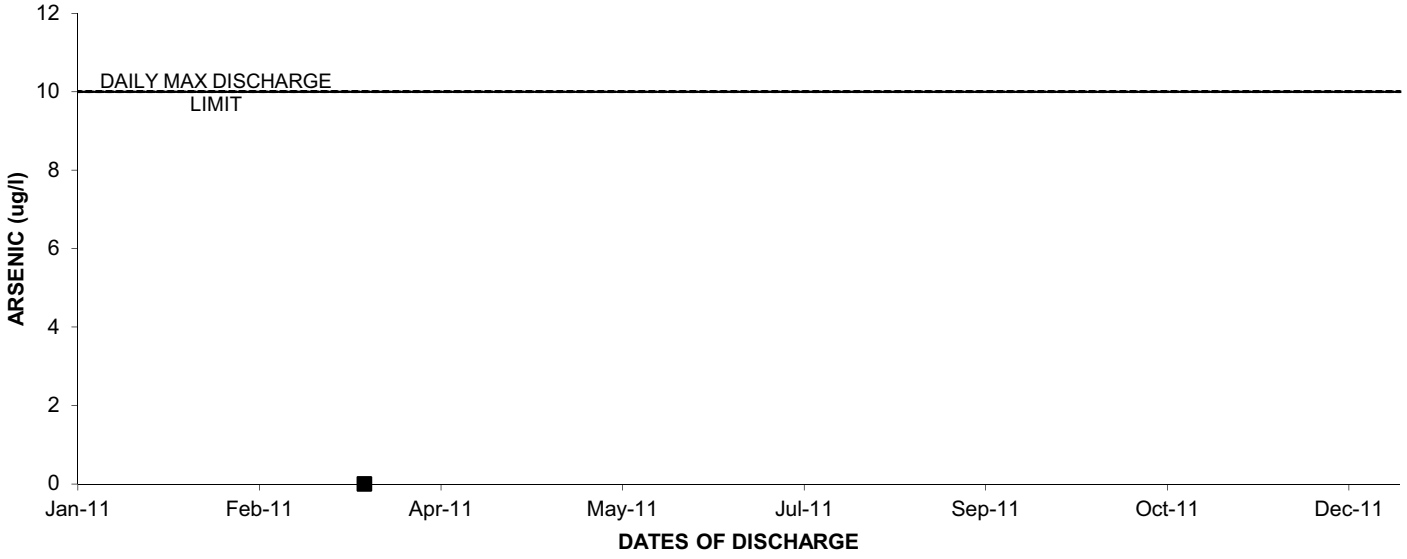
			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	3.569	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	59.53	*
Chloride	LBS/DAY	200,160/-	Comp	95.25	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	Comp	6.55	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	13.39	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	13.39	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	125.01	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	3274.20	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	1696.63	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	0.01	J* (DNQ)
Arsenic	LBS/DAY	67/-	Comp	ND	U (B)
Barium	LBS/DAY	1,330/-	Comp	1.28	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	4.1/-	Comp	0.003	J* (DNQ)
Chromium	LBS/DAY	22/-	Comp	0.25	--
Copper	LBS/DAY	19/-	Comp	0.16	*
Iron	LBS/DAY	400/-	Comp	169.66	--
Lead	LBS/DAY	6.9/-	Comp	0.12	*
Manganese	LBS/DAY	66.7/-	Comp	2.41	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	0.19	J (DNQ)
Selenium	LBS/DAY	11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.80	--
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	9.74E-10	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

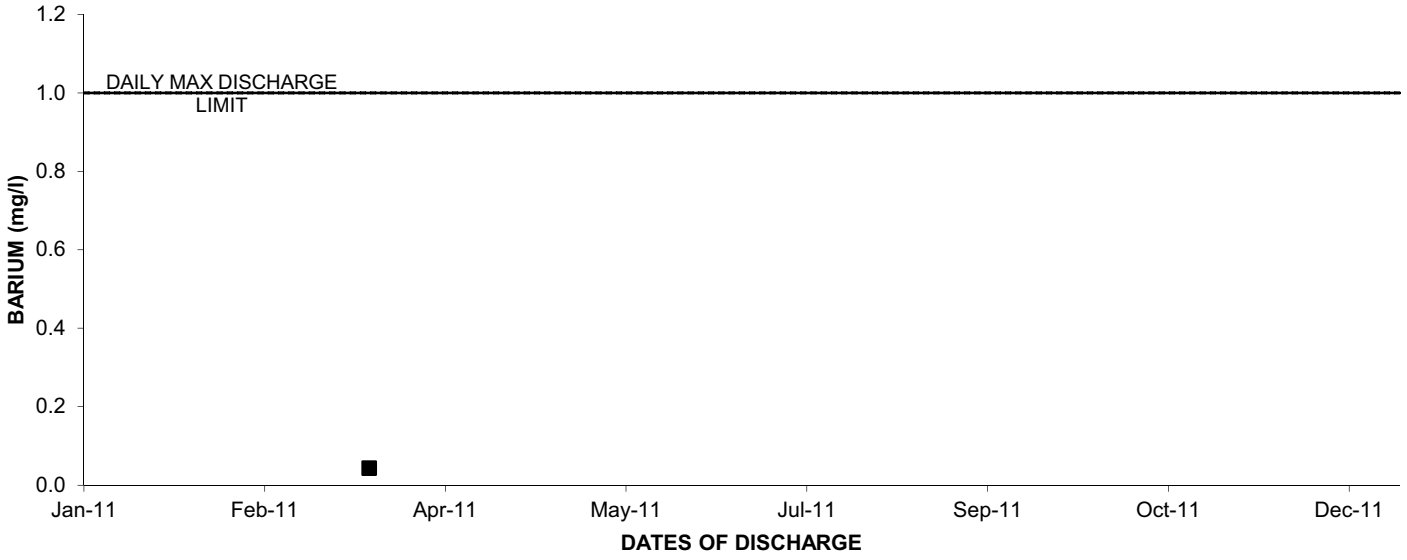
2011: OUTFALL 001 ANTIMONY



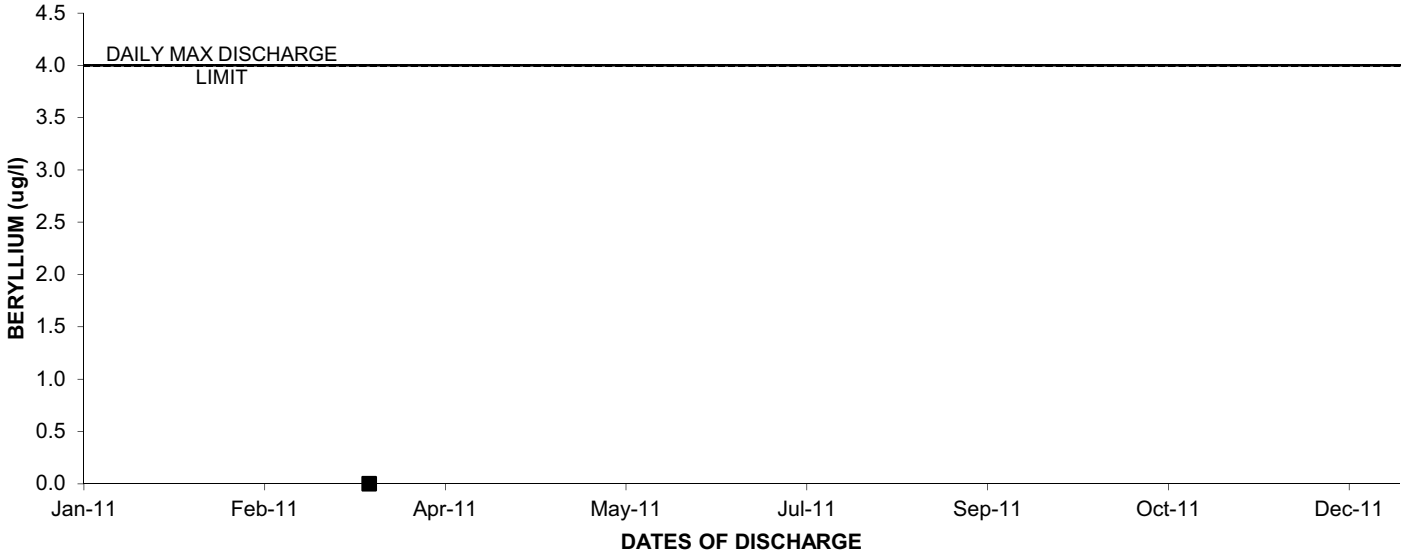
2011: OUTFALL 001 ARSENIC



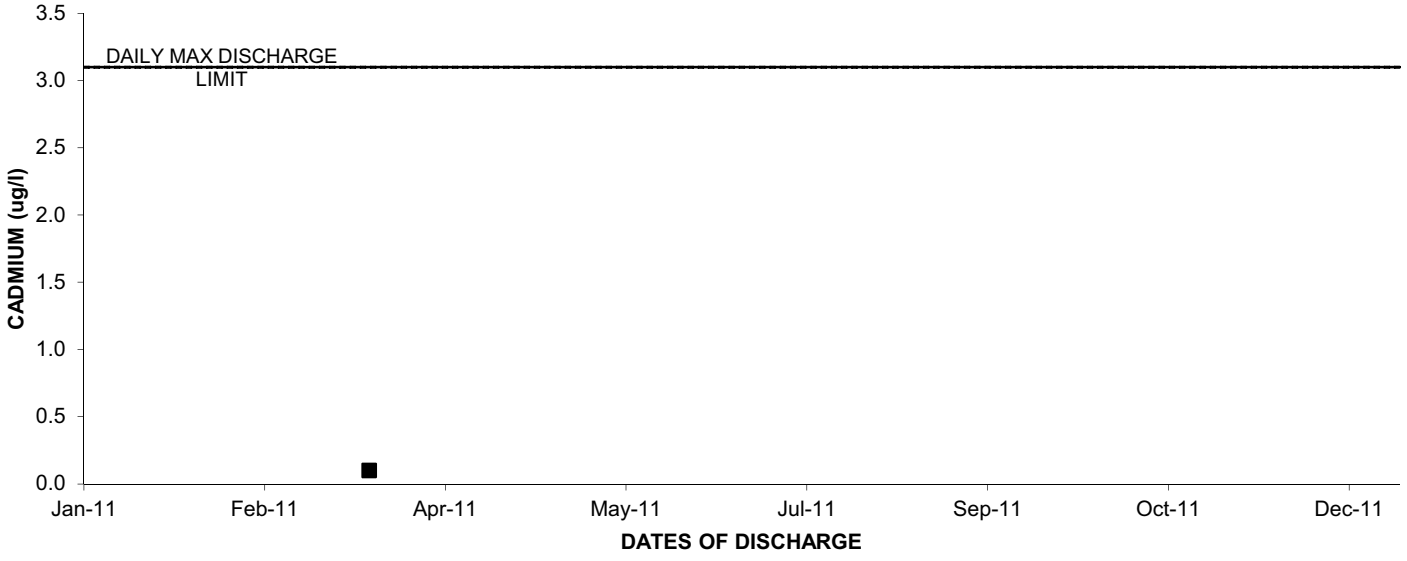
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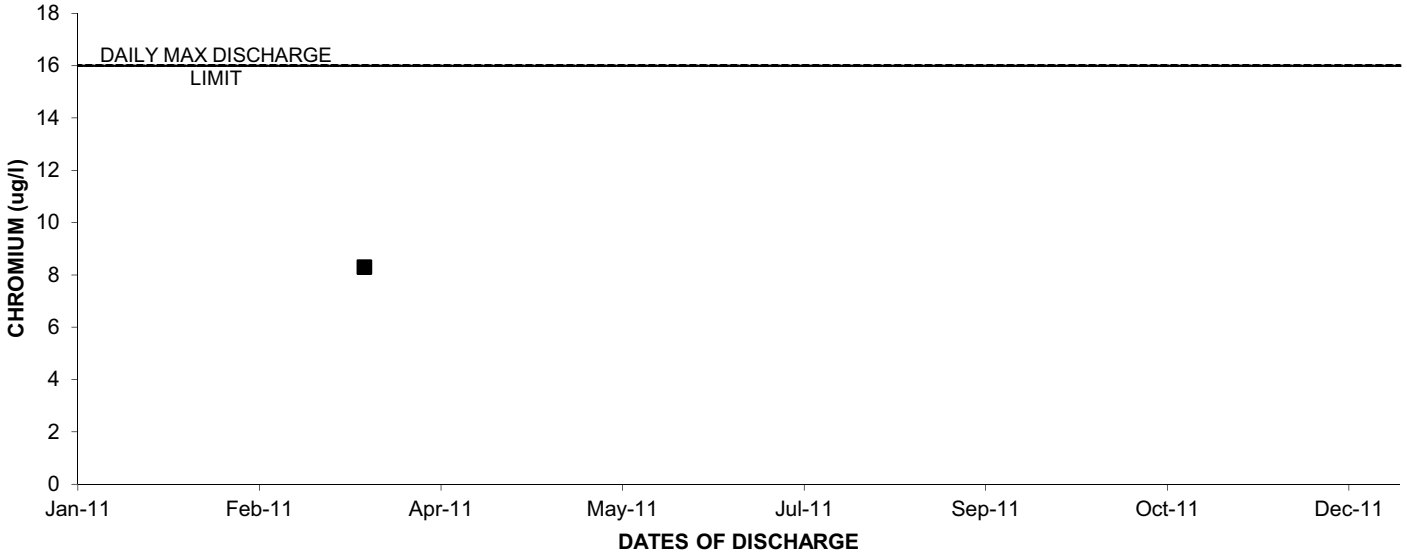
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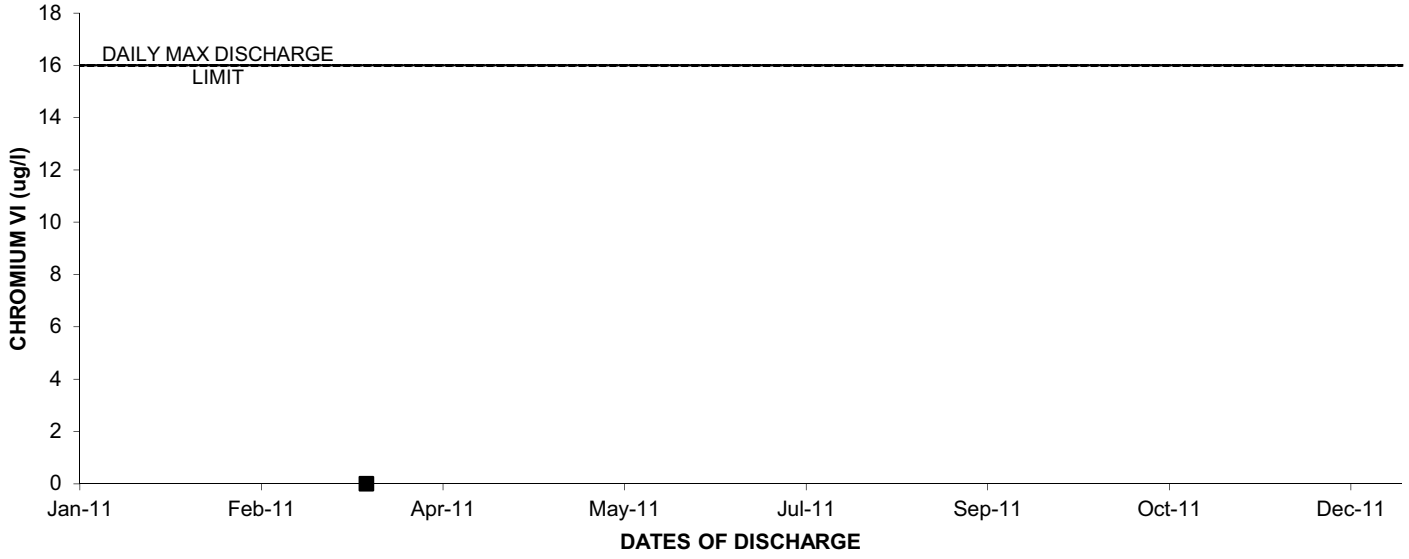
2011: OUTFALL 001 CADMIUM



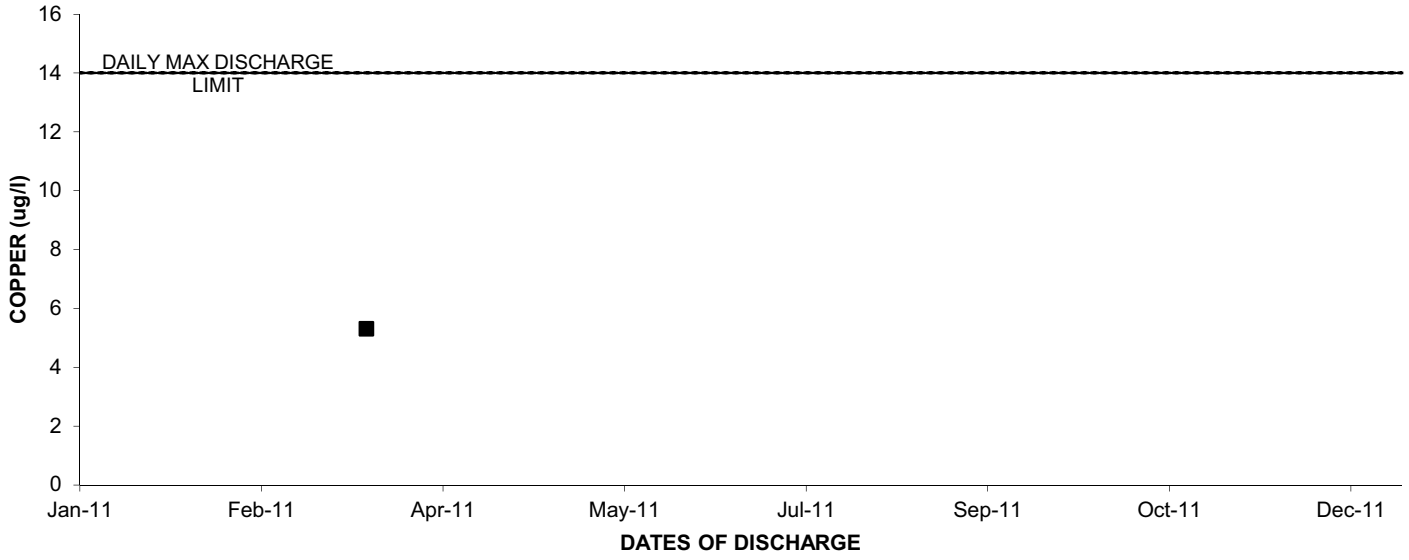
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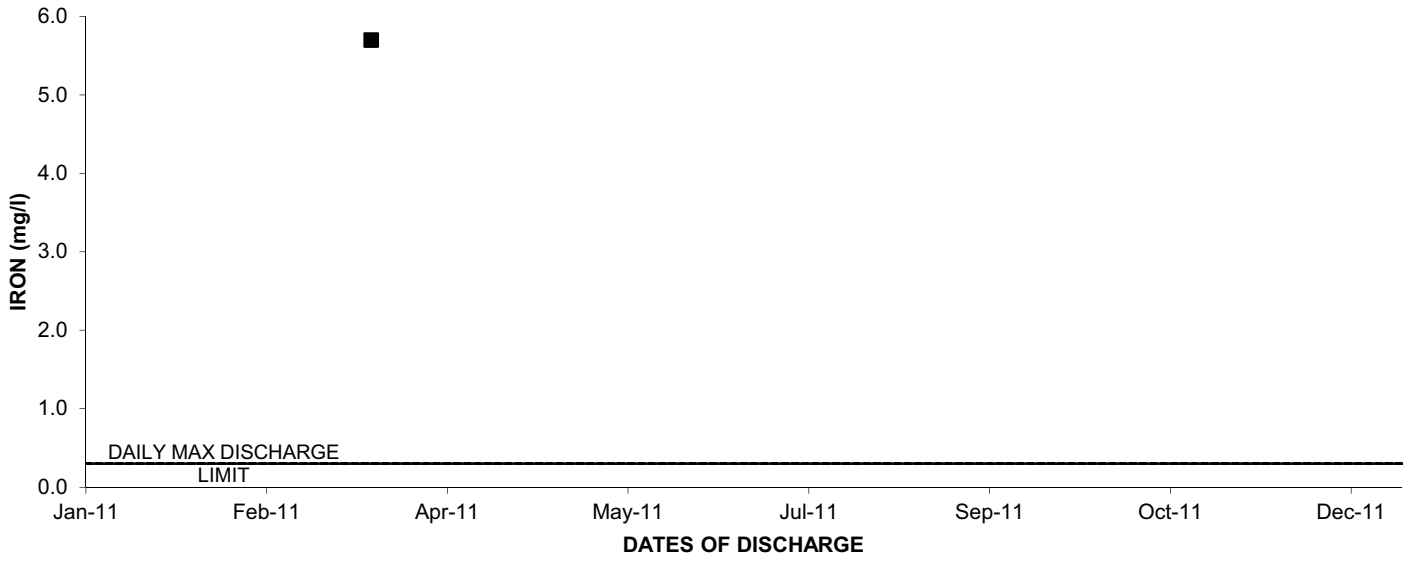
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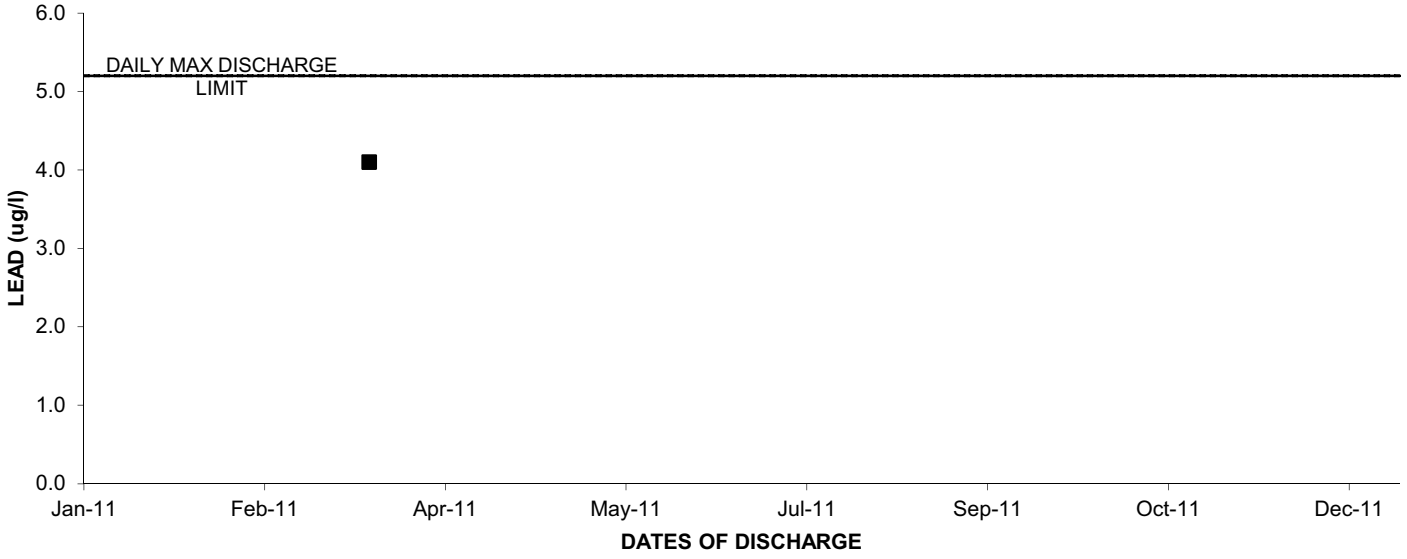
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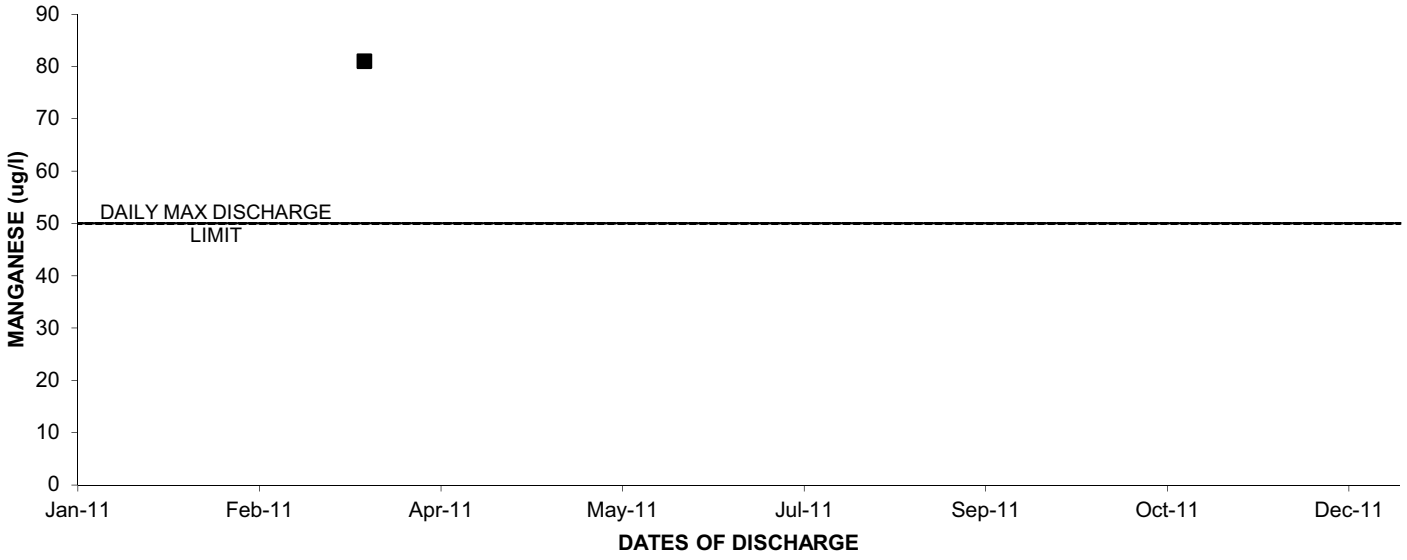
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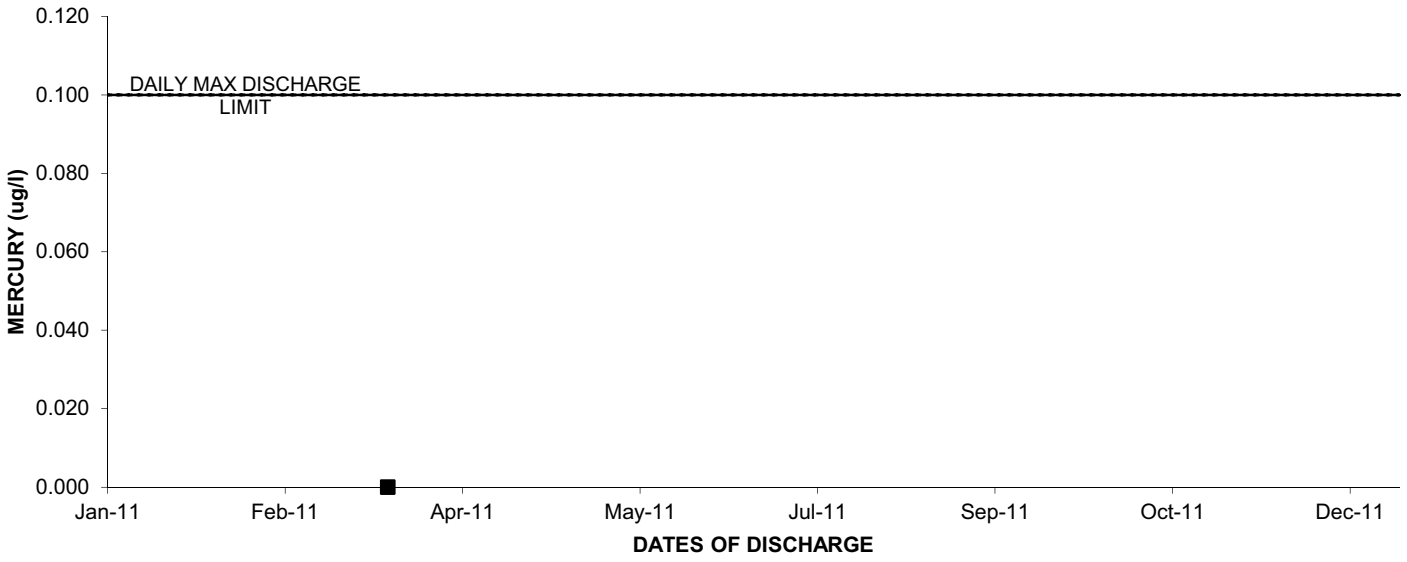
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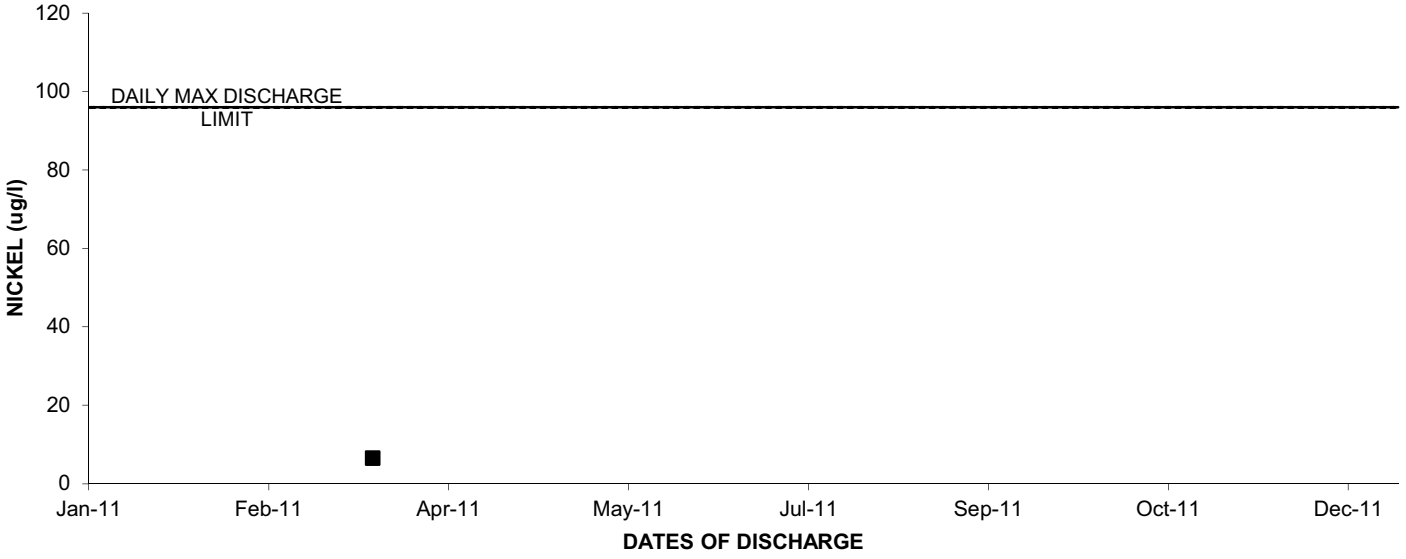
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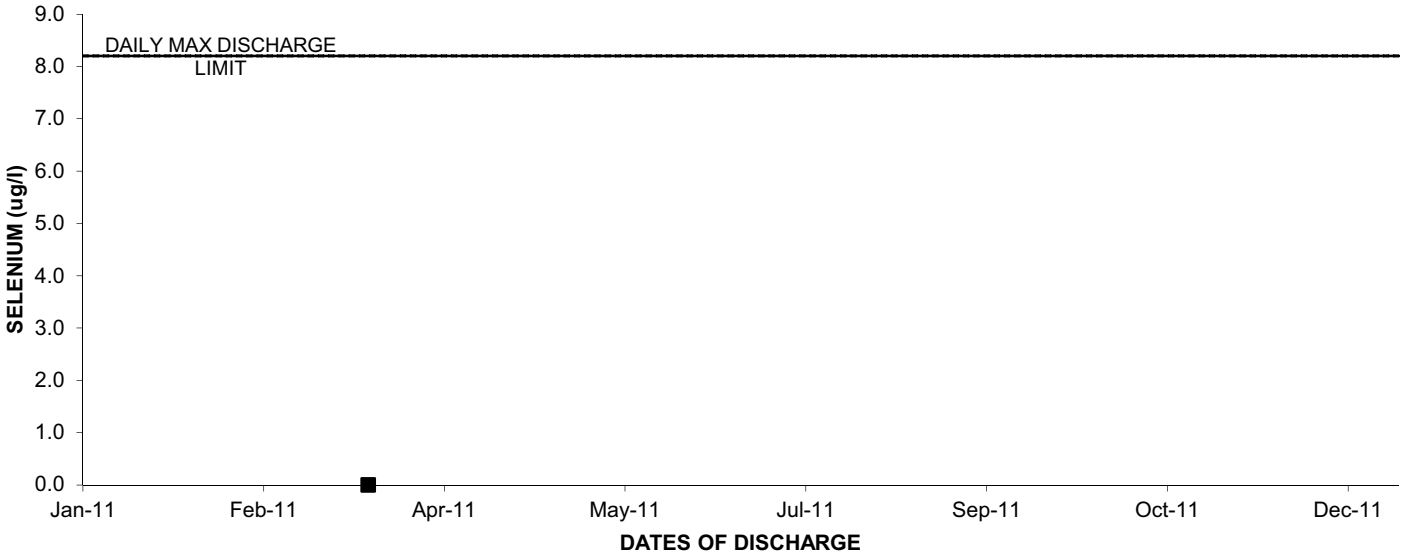
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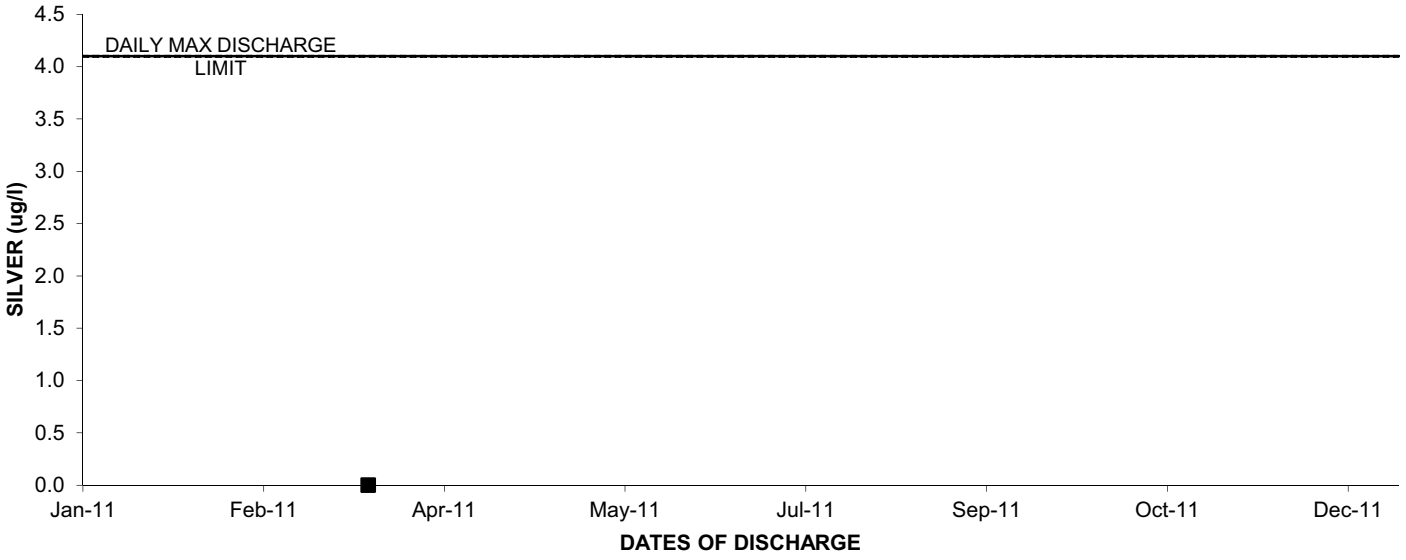
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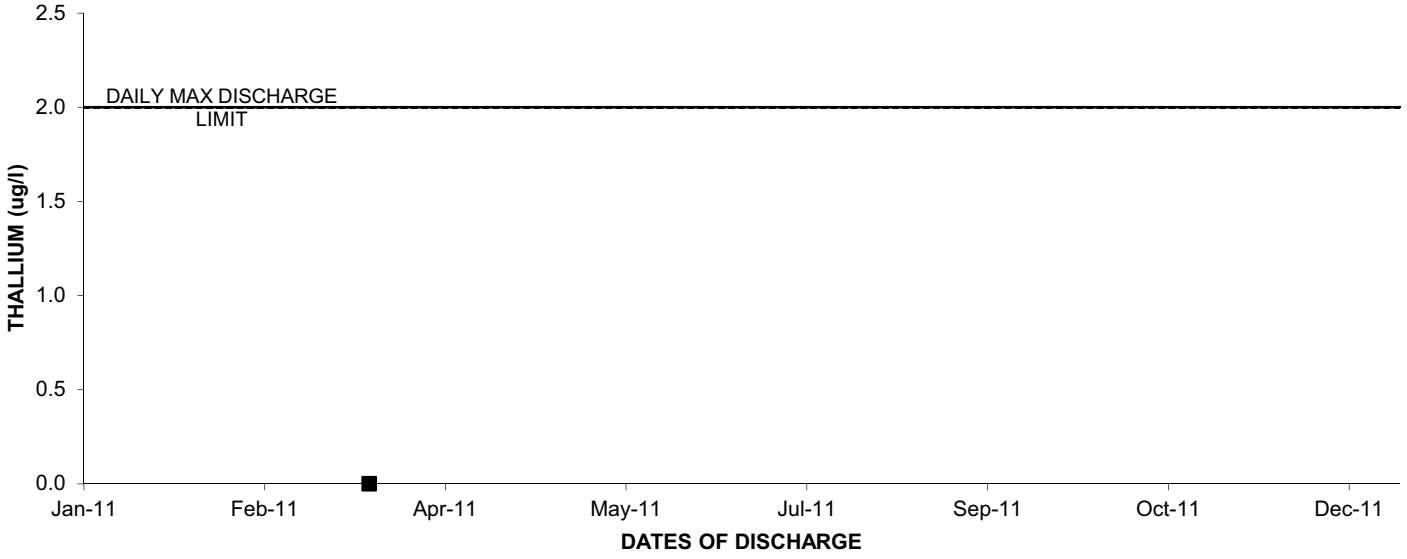
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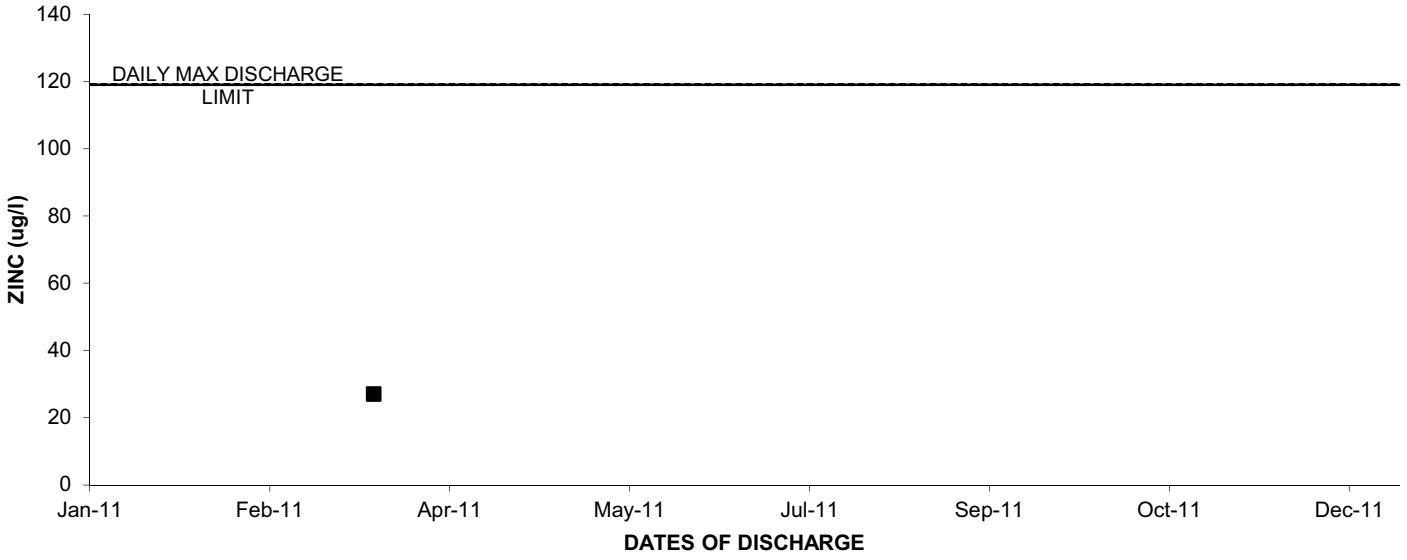
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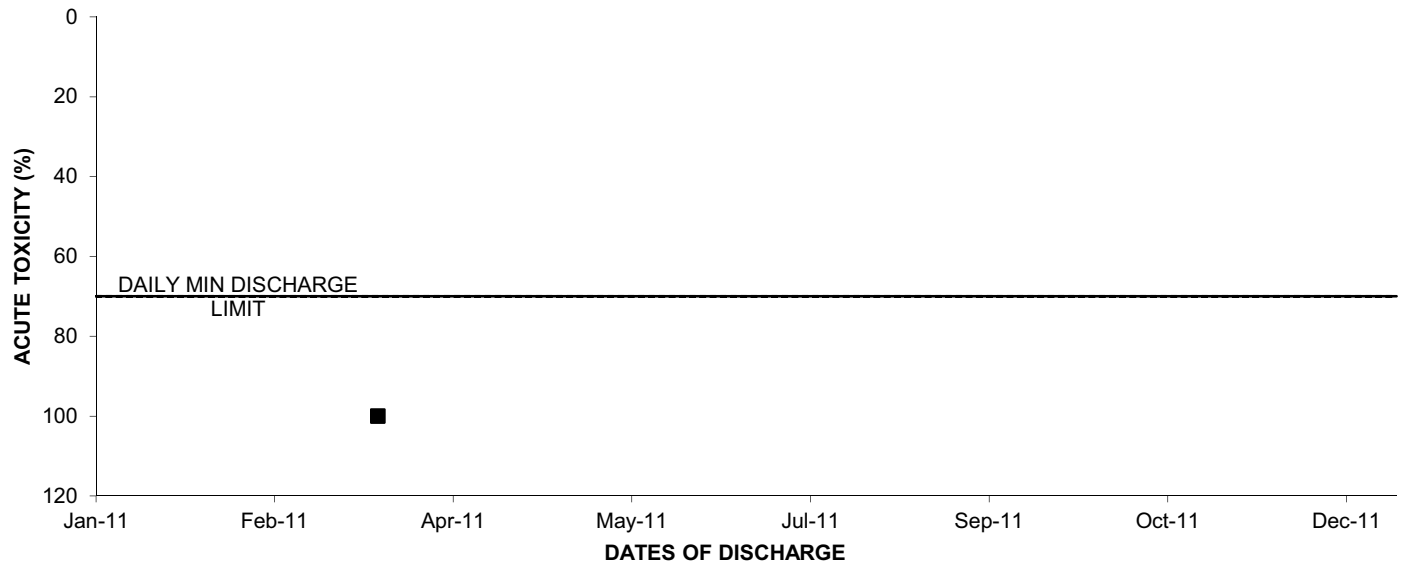
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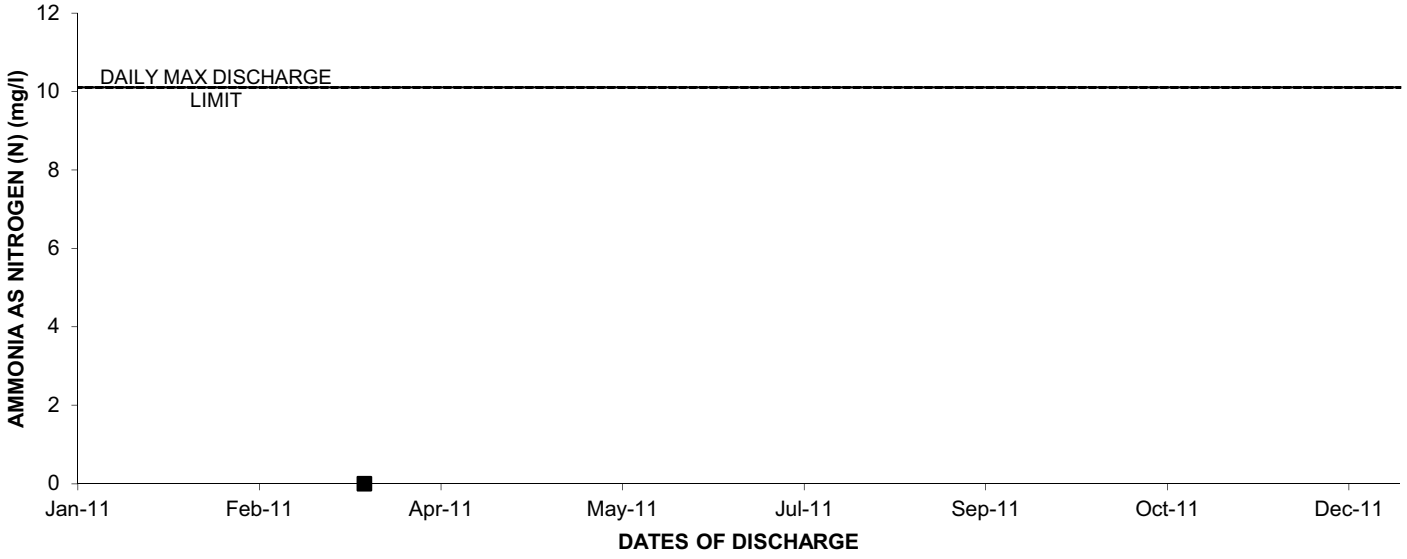
2011: OUTFALL 001 ZINC



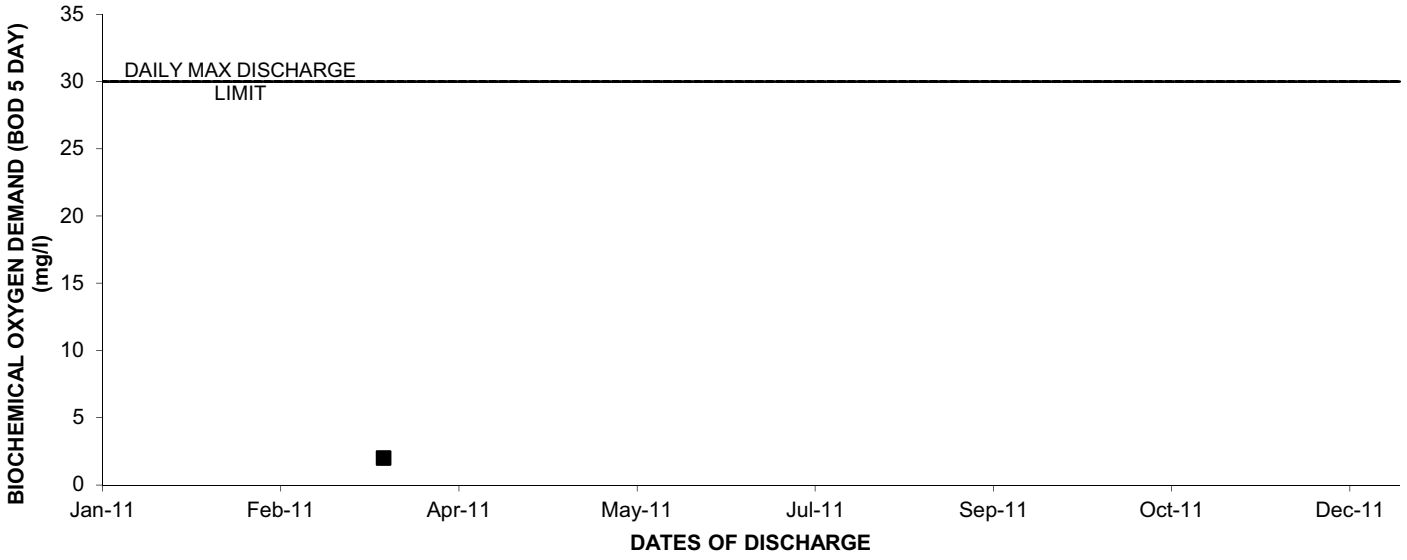
2011: OUTFALL 001 ACUTE TOXICITY



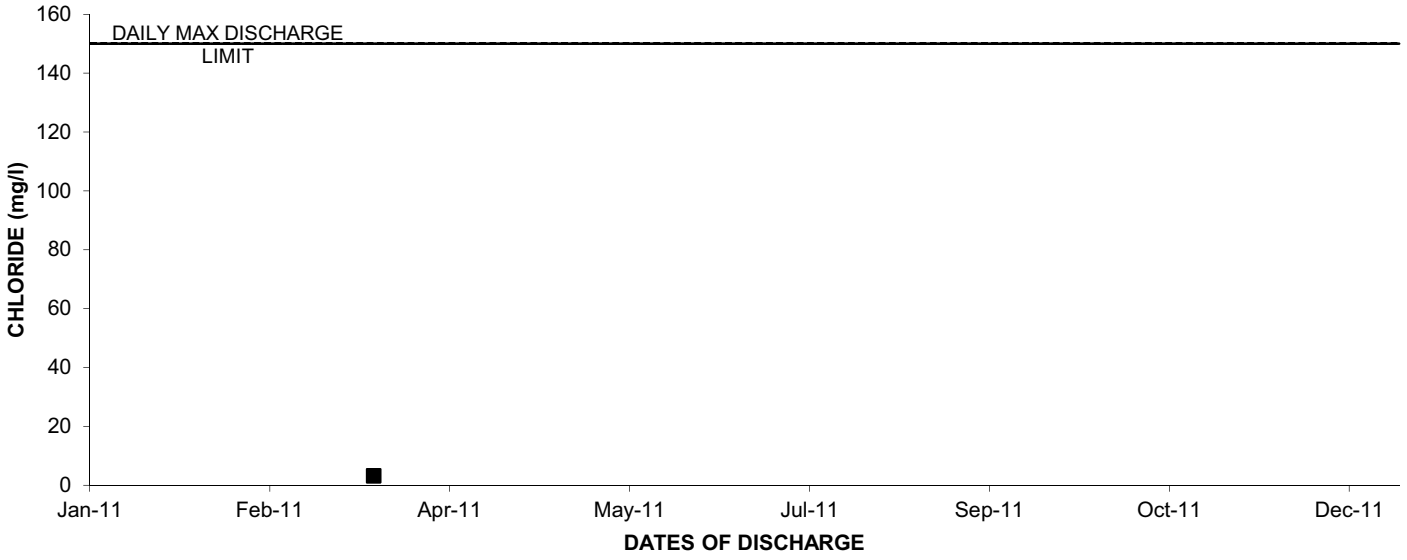
2011: OUTFALL 001 AMMONIA AS NITROGEN (N)



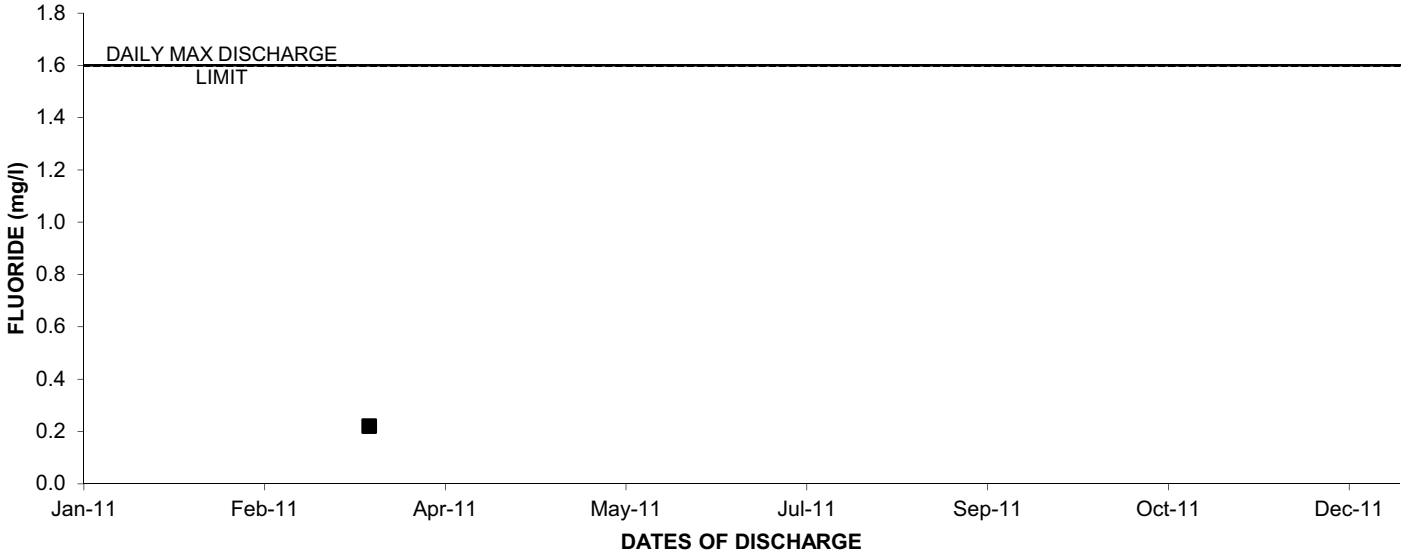
2011: OUTFALL 001 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



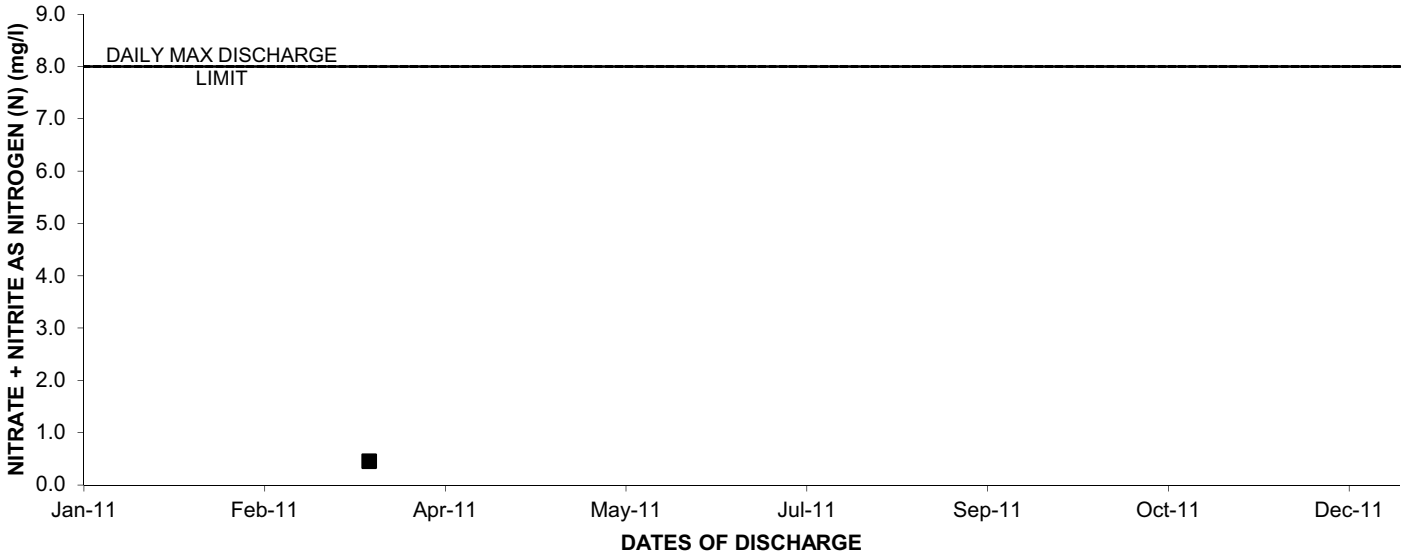
2011: OUTFALL 001 CHLORIDE



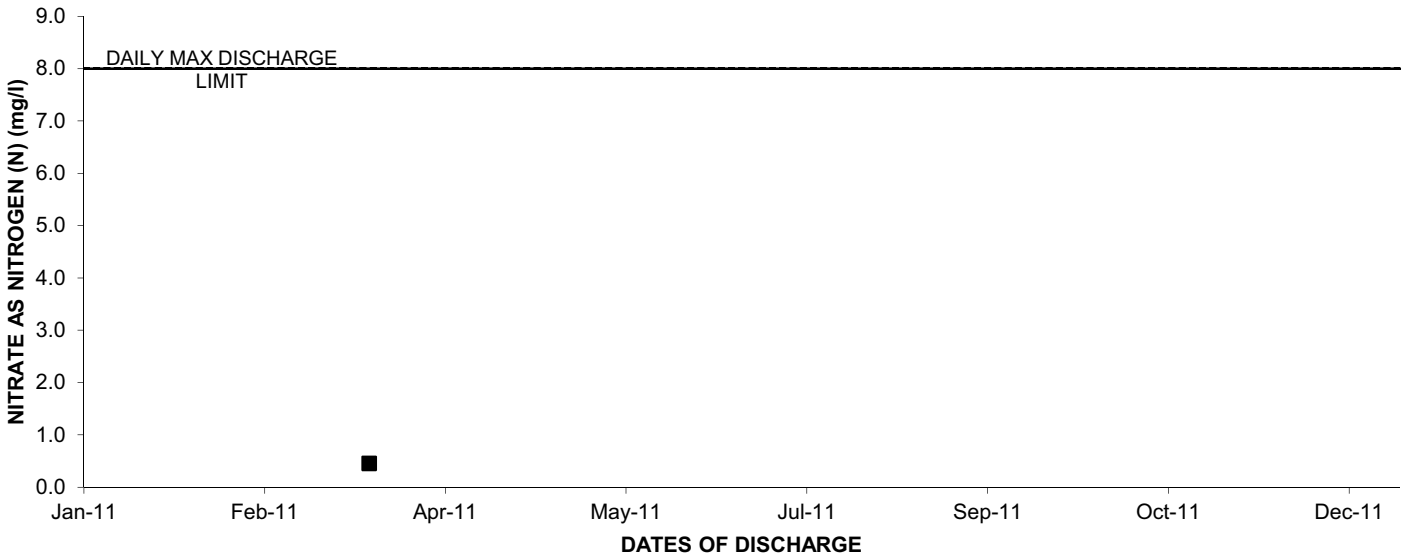
2011: OUTFALL 001 FLUORIDE



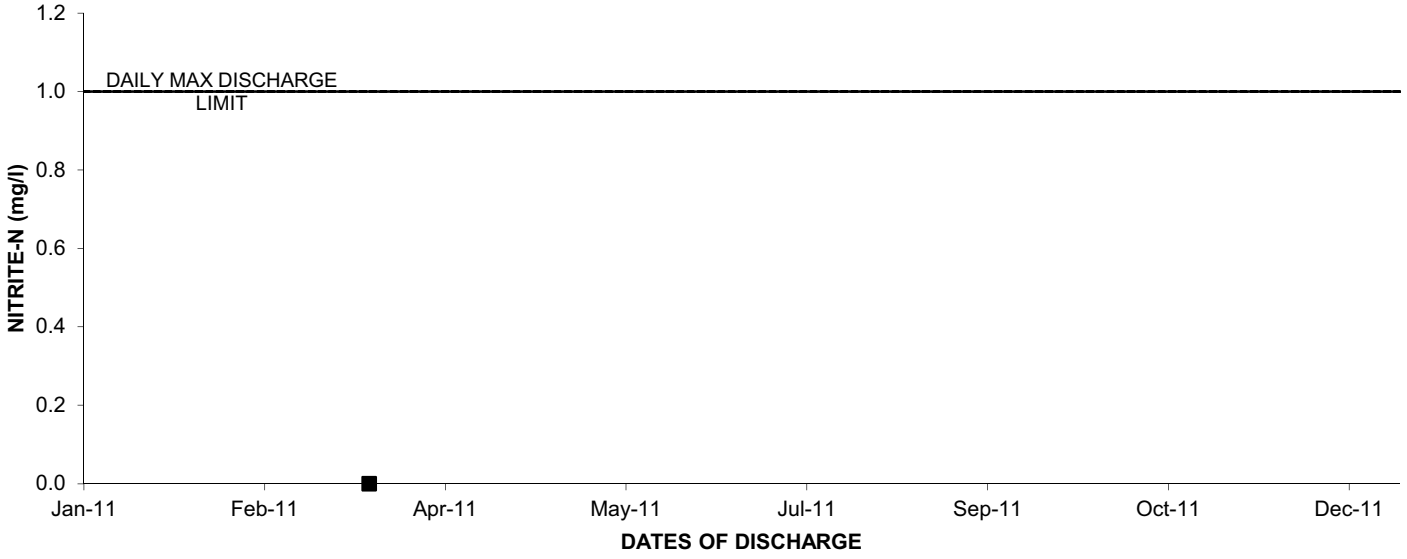
2011: OUTFALL 001 NITRATE + NITRITE AS NITROGEN (N)



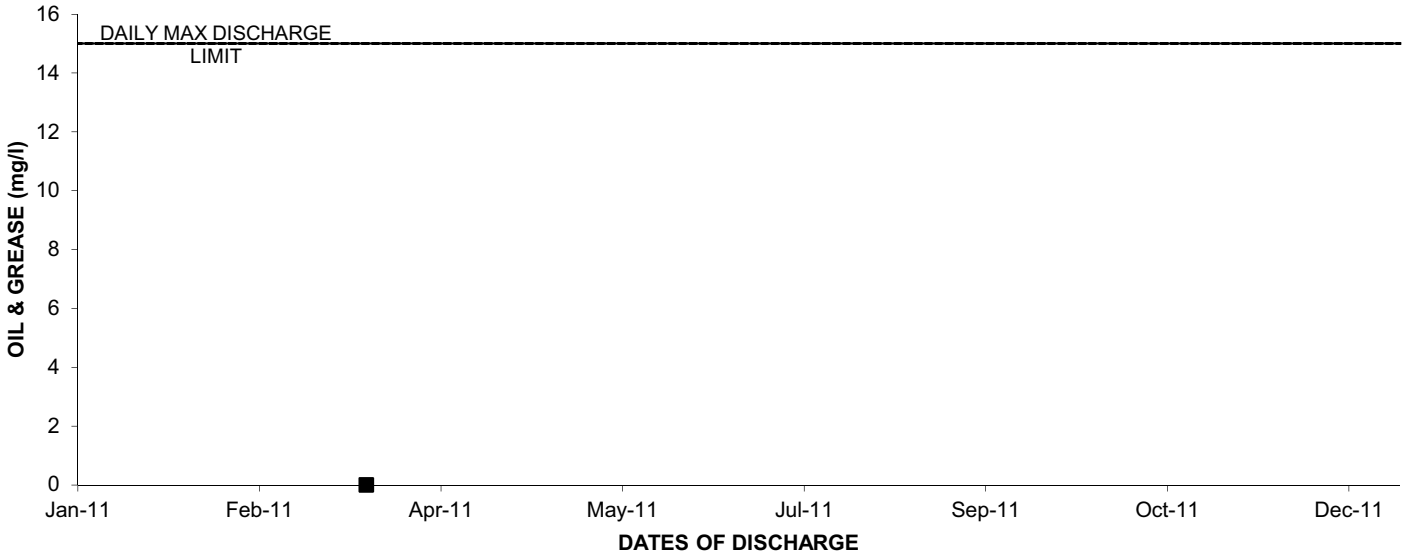
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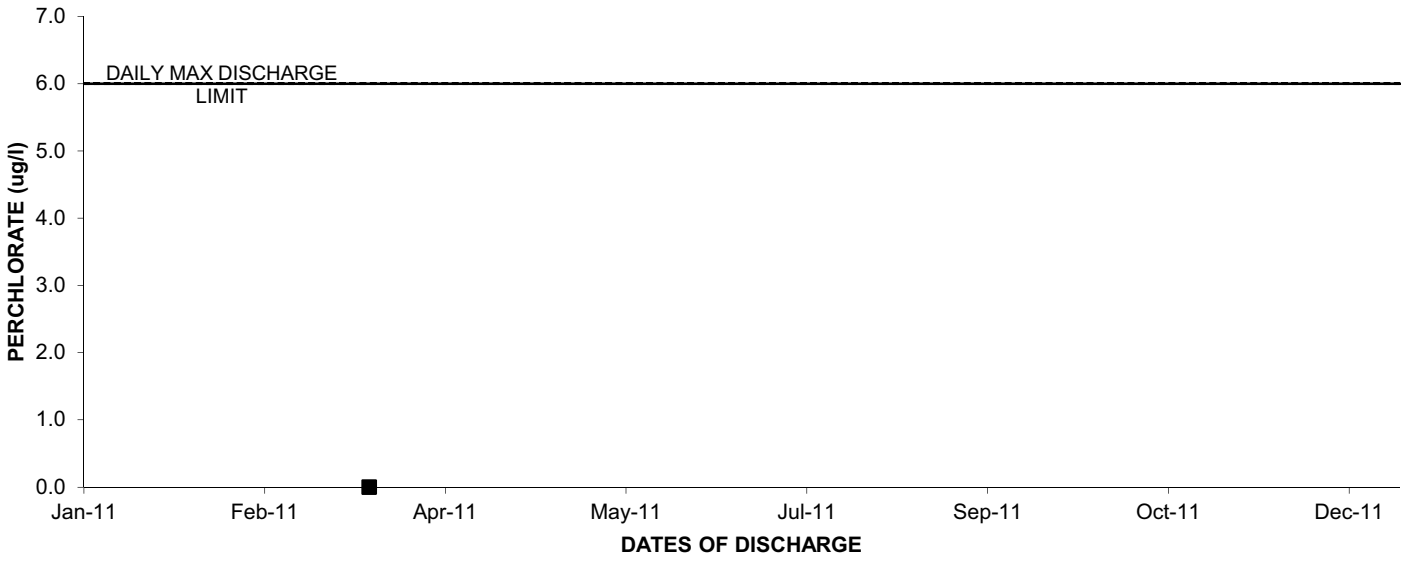
2011: OUTFALL 001 NITRITE-N



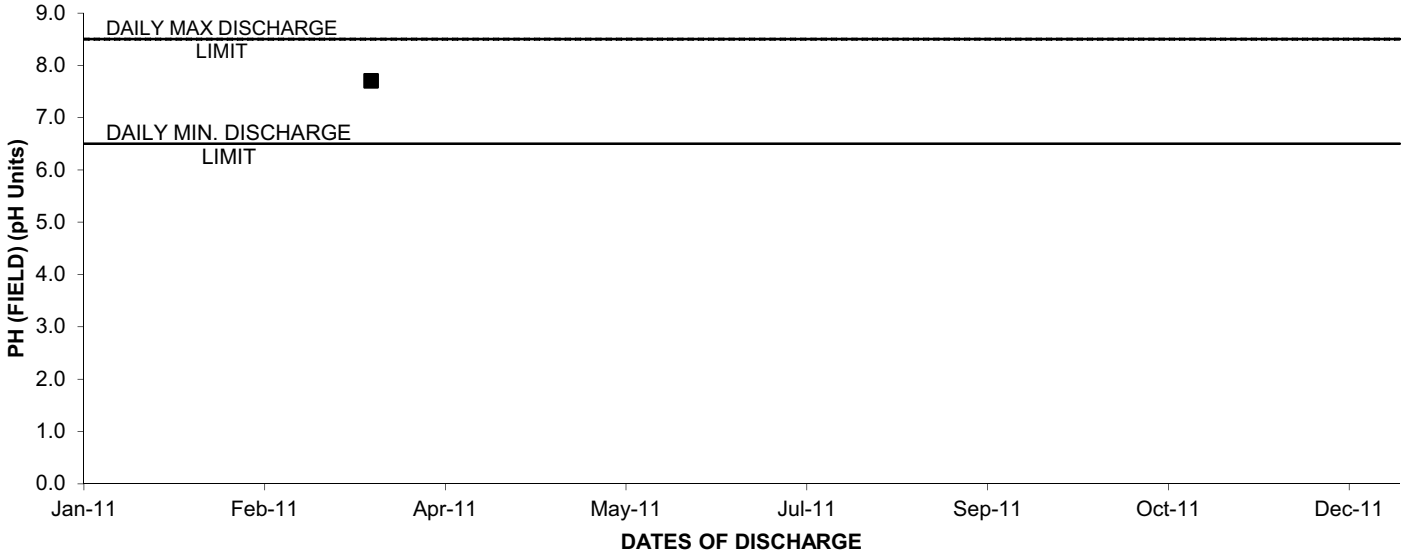
2011: OUTFALL 001 OIL & GREASE



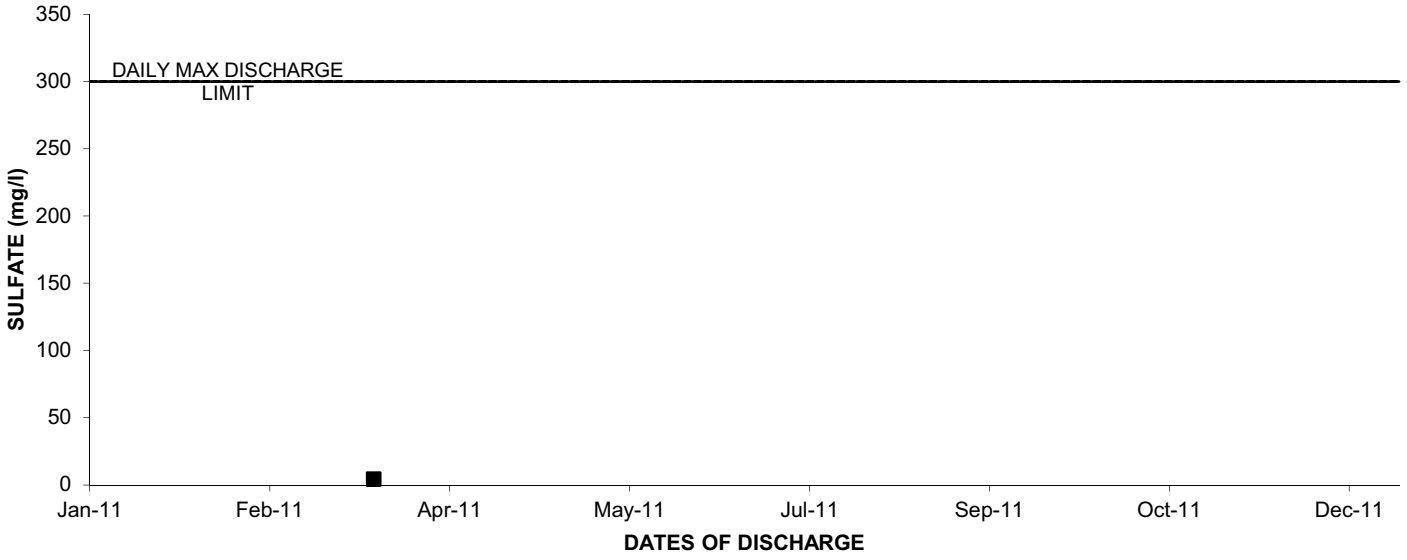
2011: OUTFALL 001 PERCHLORATE



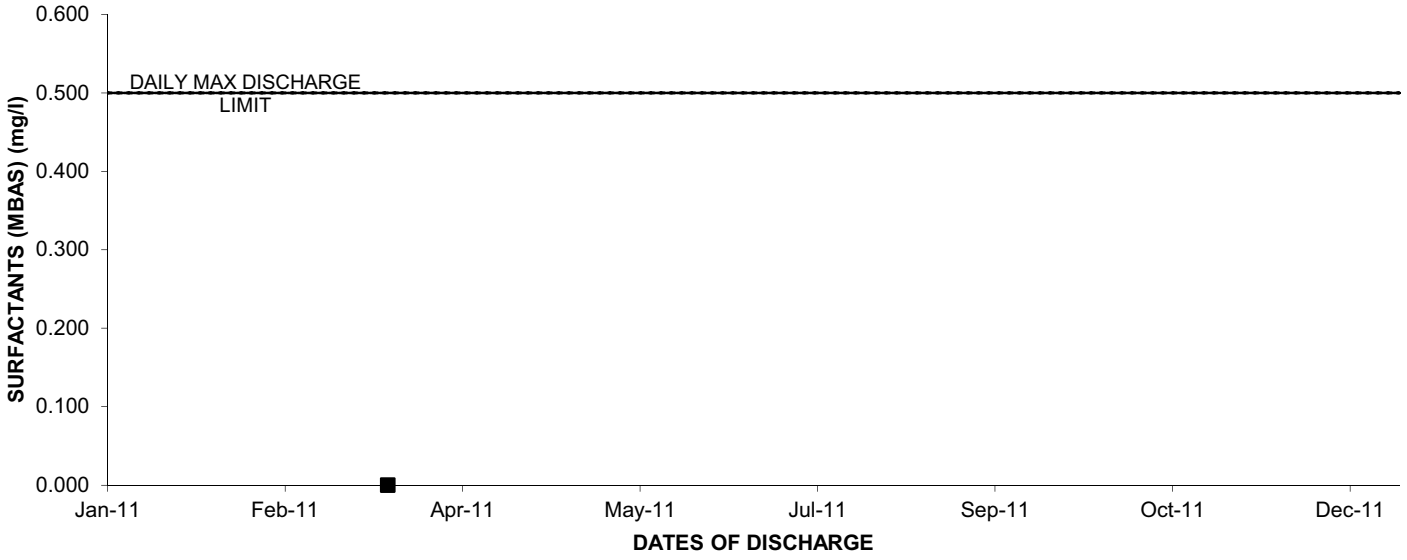
2011: OUTFALL 001 PH (FIELD)



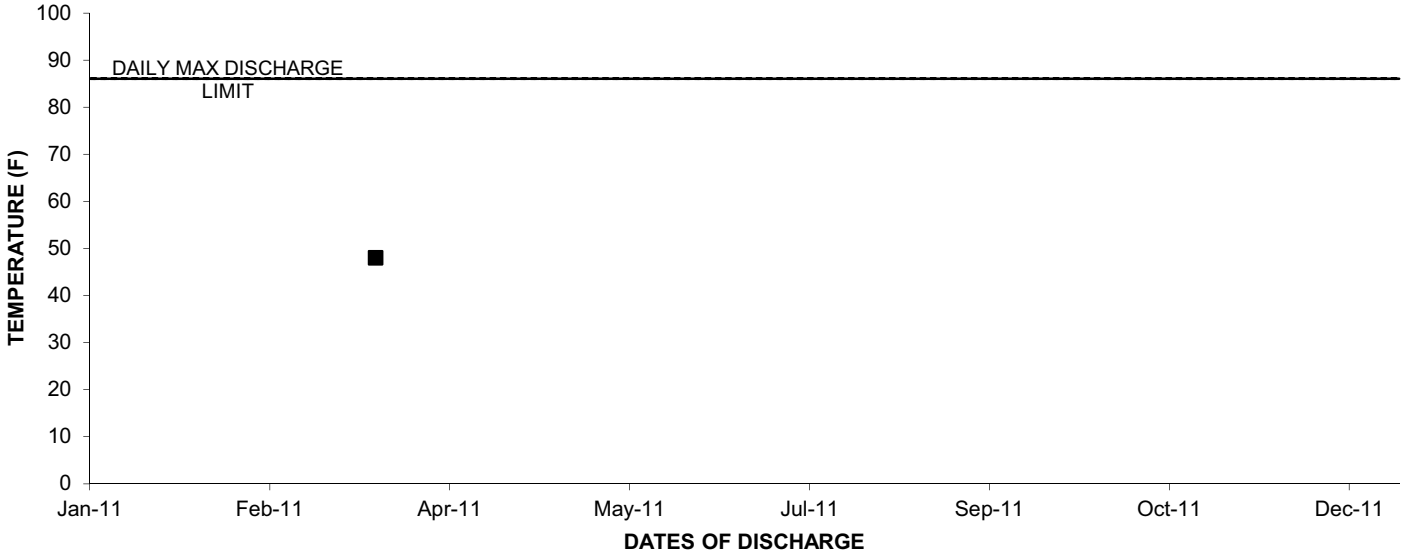
2011: OUTFALL 001 SULFATE



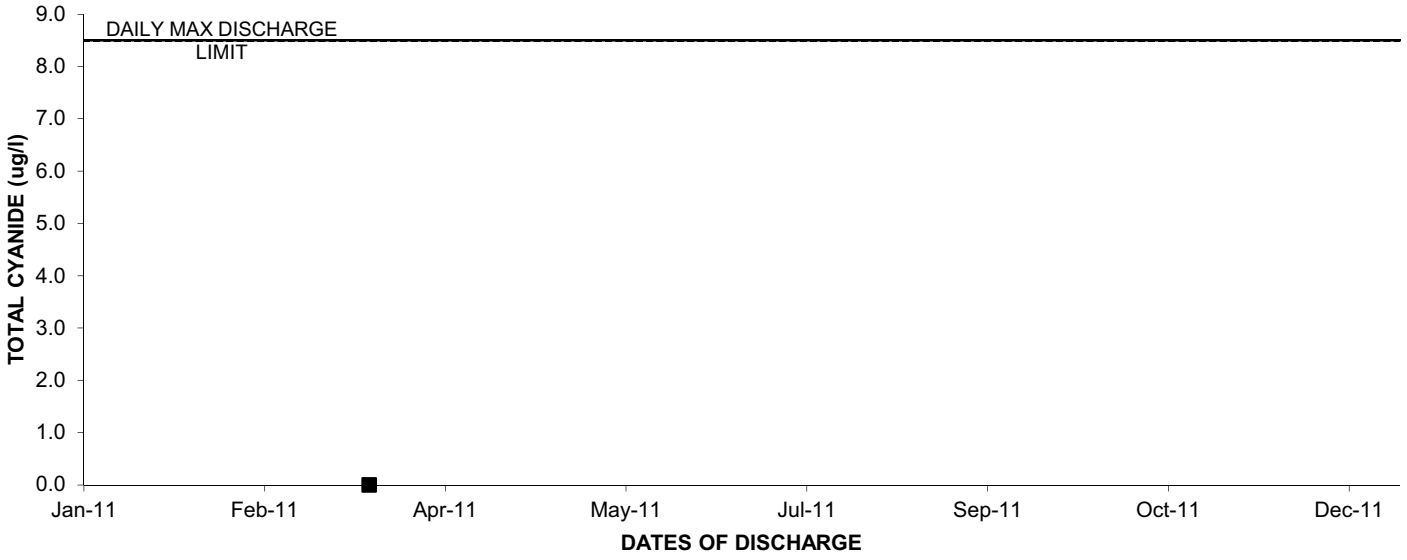
2011: OUTFALL 001 SURFACTANTS (MBAS)



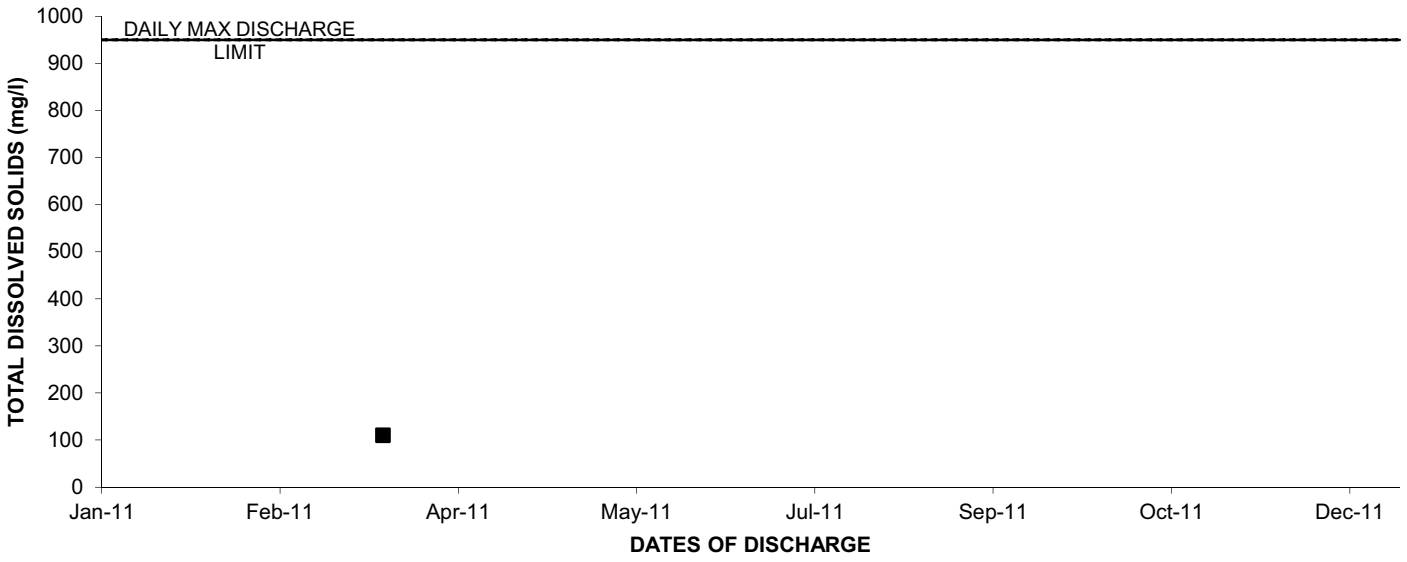
2011: OUTFALL 001 TEMPERATURE



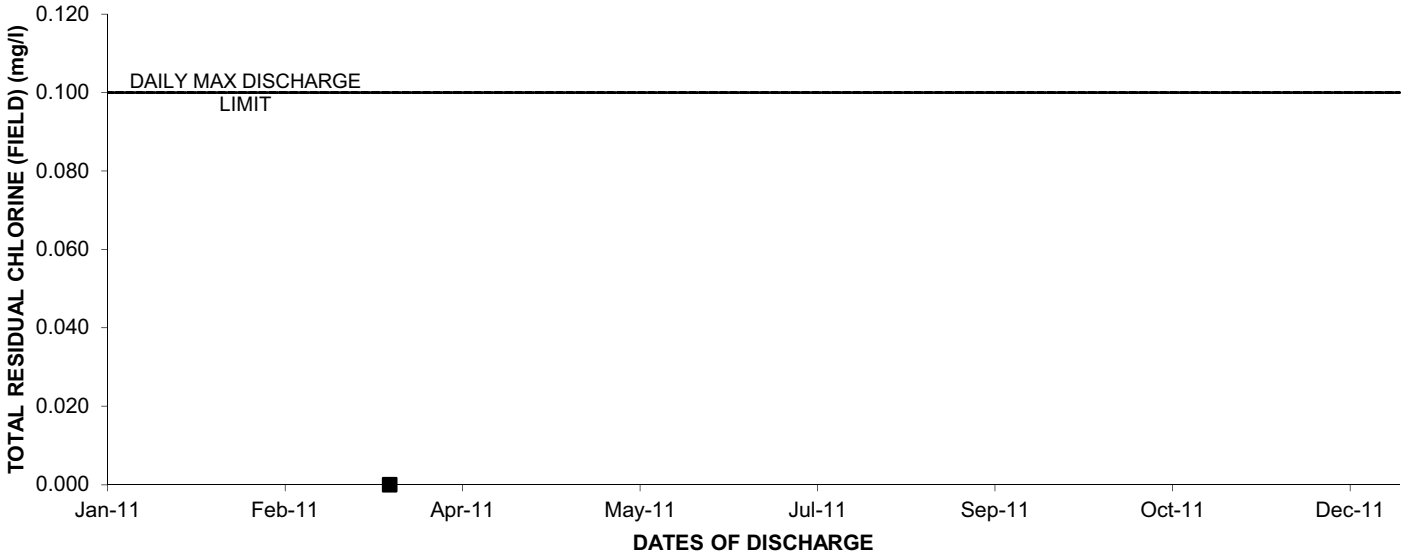
2011: OUTFALL 001 TOTAL CYANIDE



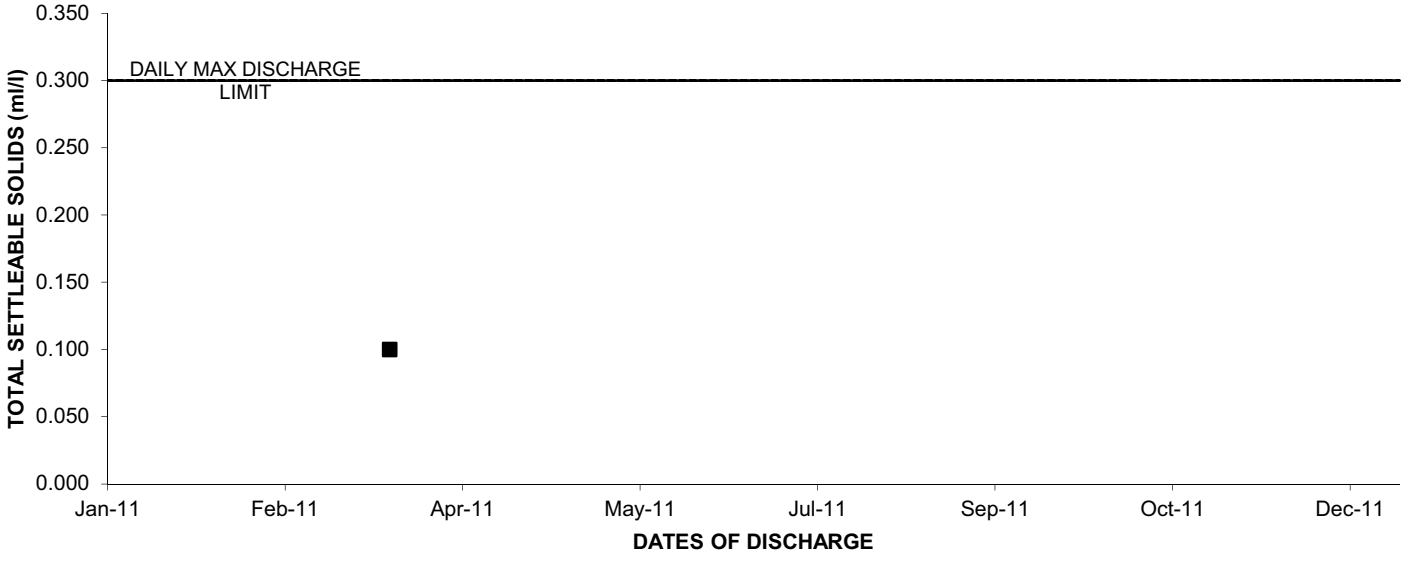
2011: OUTFALL 001 TOTAL DISSOLVED SOLIDS



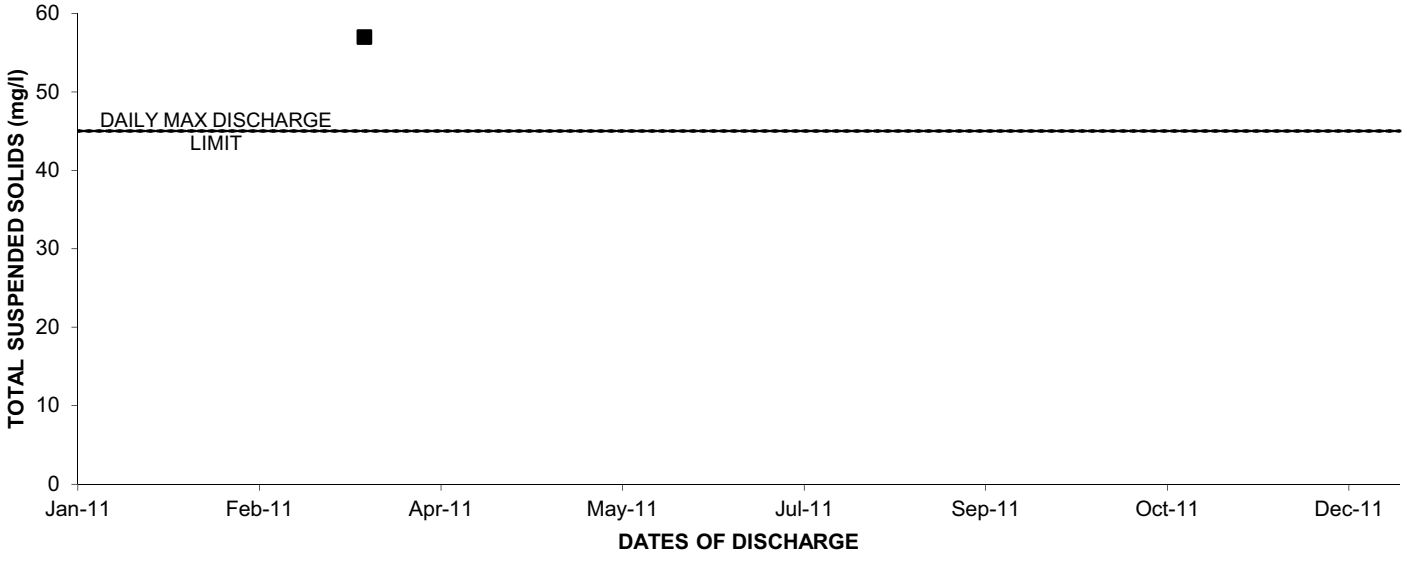
2011: OUTFALL 001 TOTAL RESIDUAL CHLORINE (FIELD)



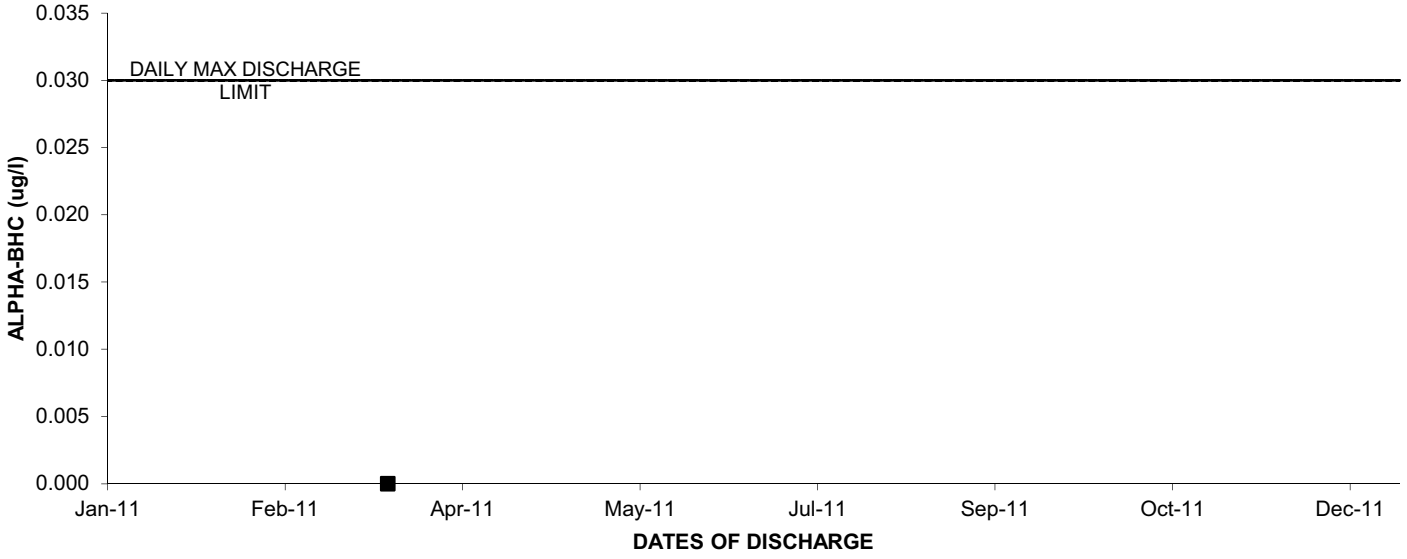
2011: OUTFALL 001 TOTAL SETTLEABLE SOLIDS



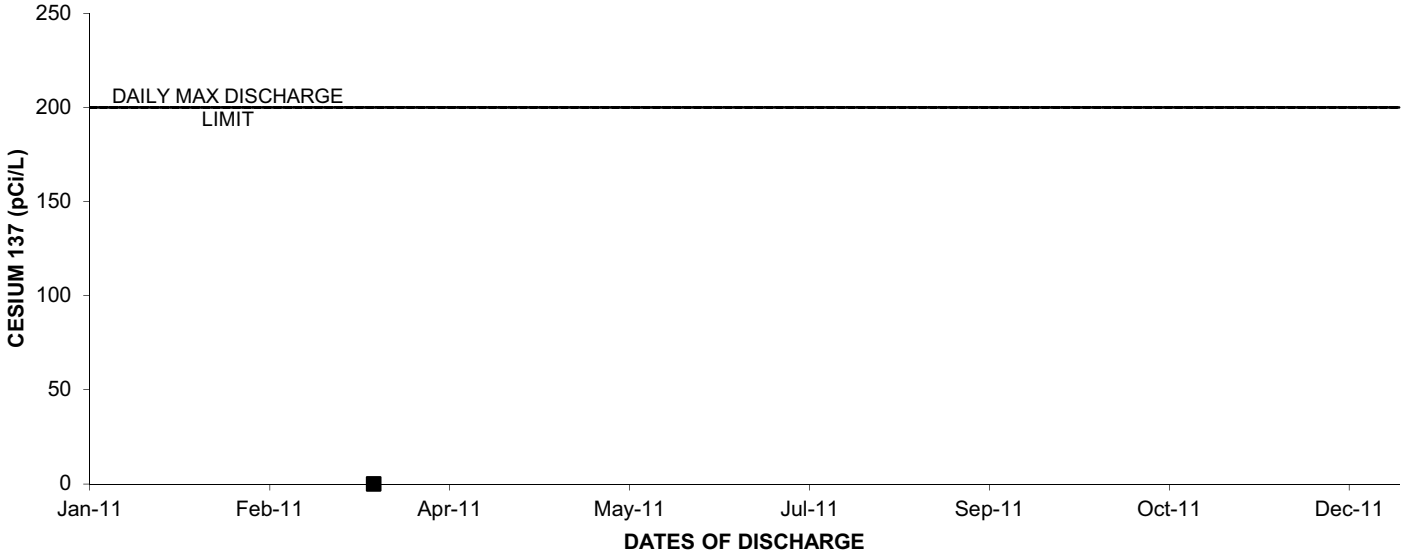
2011: OUTFALL 001 TOTAL SUSPENDED SOLIDS



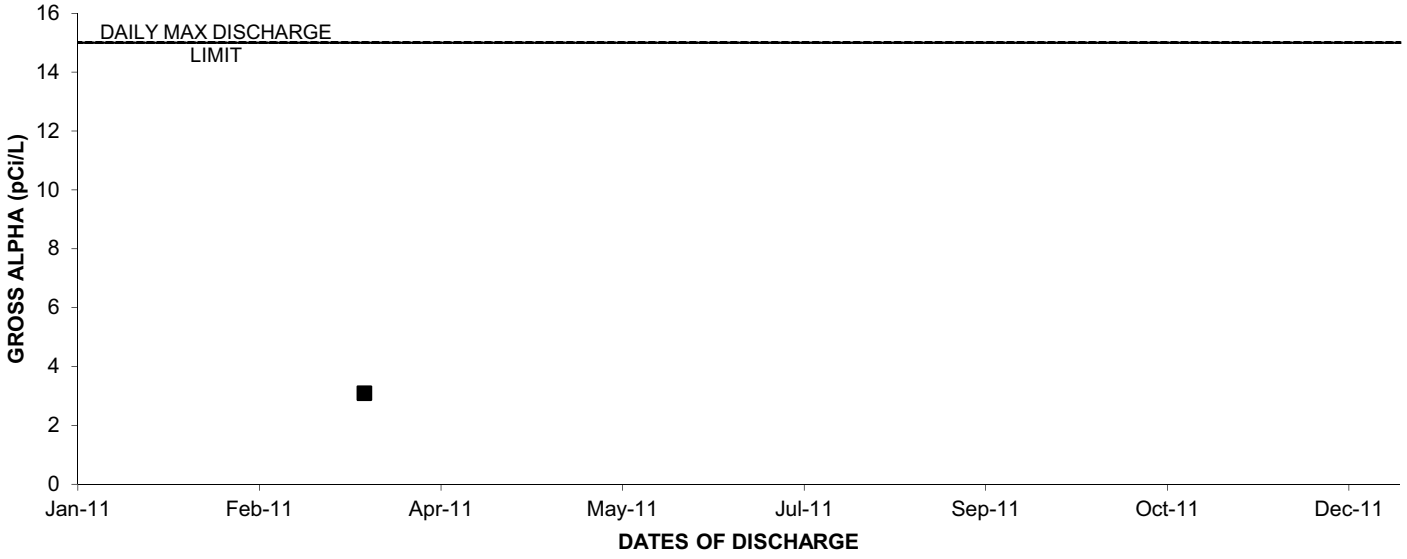
2011: OUTFALL 001 ALPHA-BHC



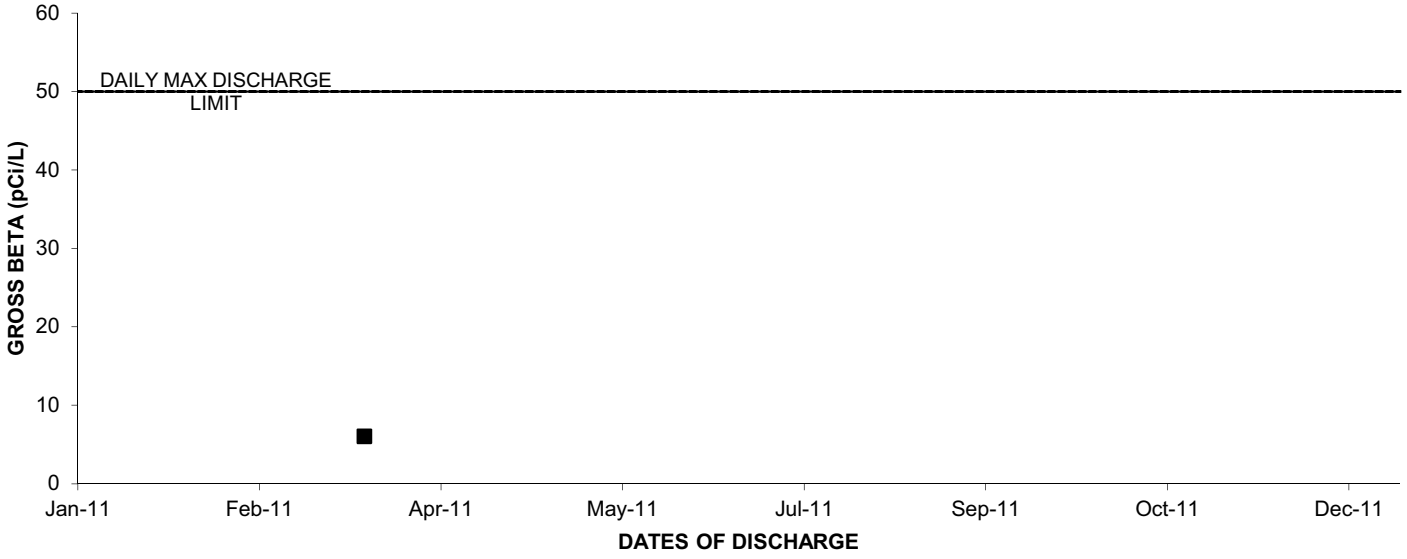
2011: OUTFALL 001 CESIUM 137



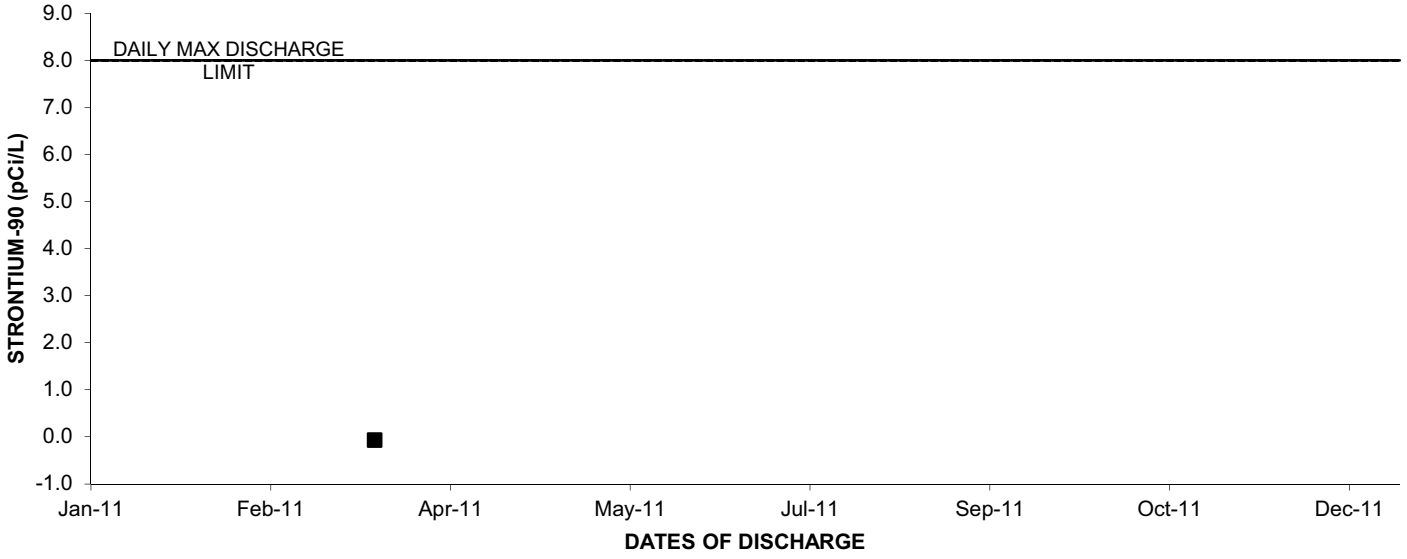
2011: OUTFALL 001 GROSS ALPHA



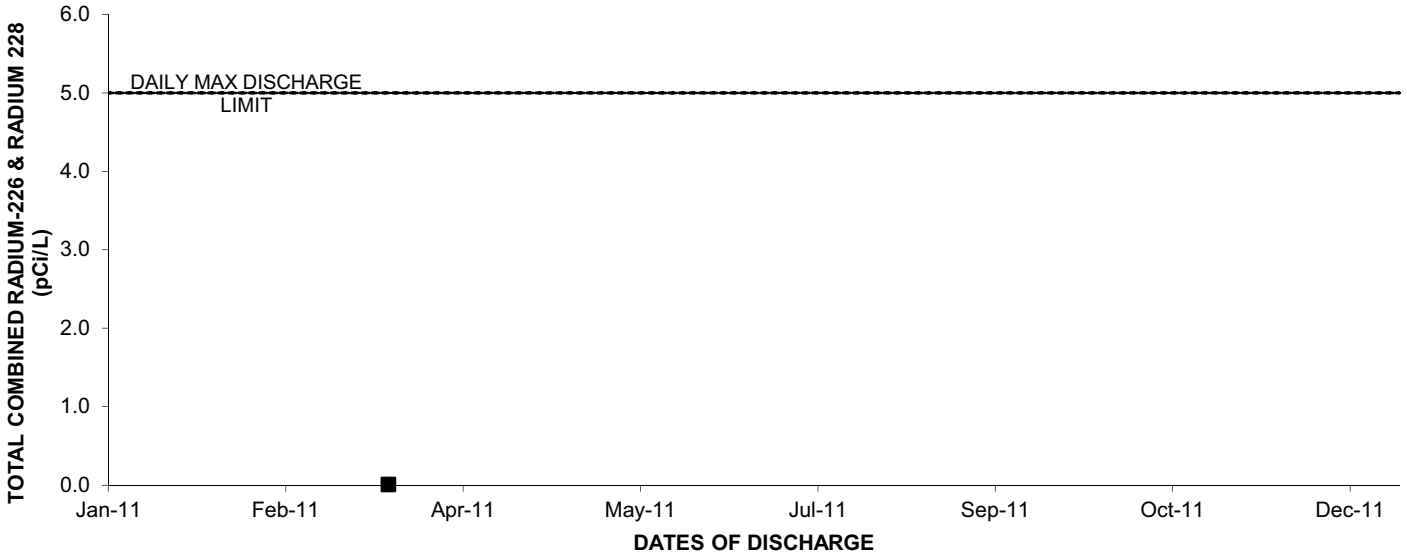
2011: OUTFALL 001 GROSS BETA



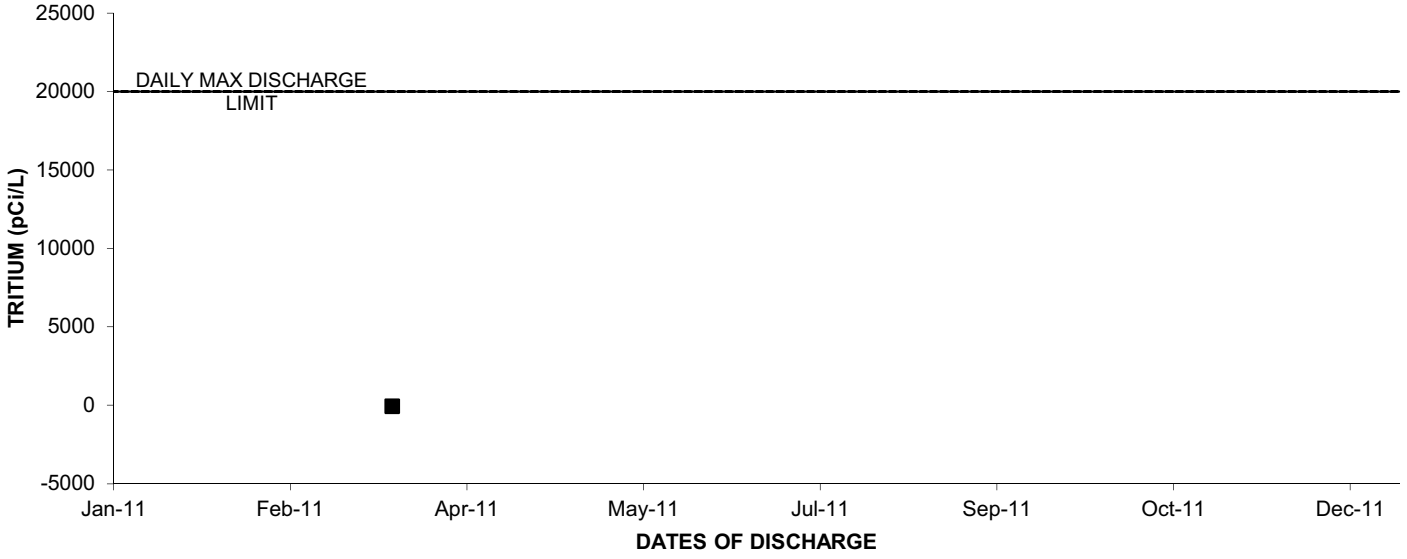
2011: OUTFALL 001 STRONTIUM-90



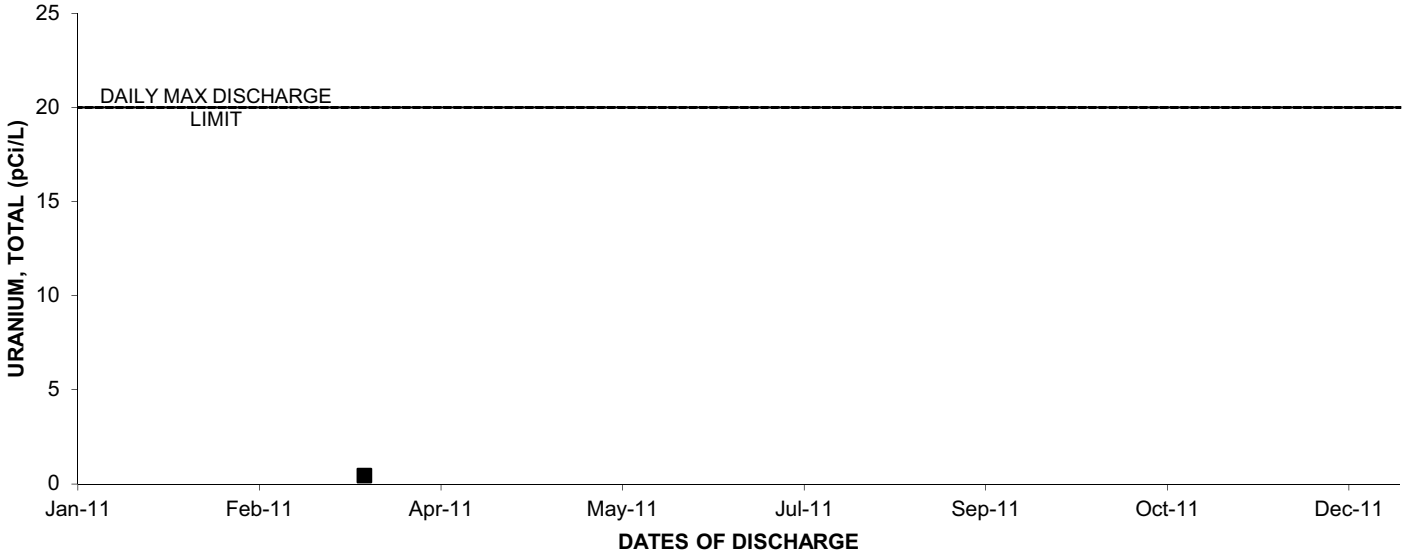
2011: OUTFALL 001 TOTAL COMBINED RADIUM-226 & RADIUM 228



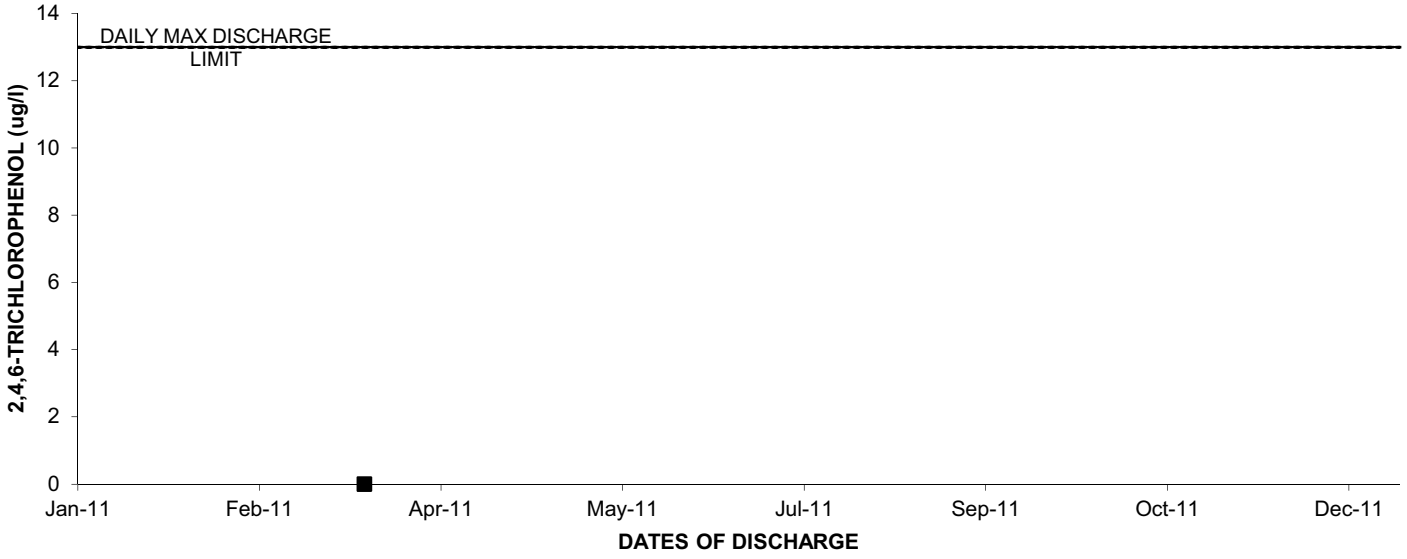
2011: OUTFALL 001 TRITIUM



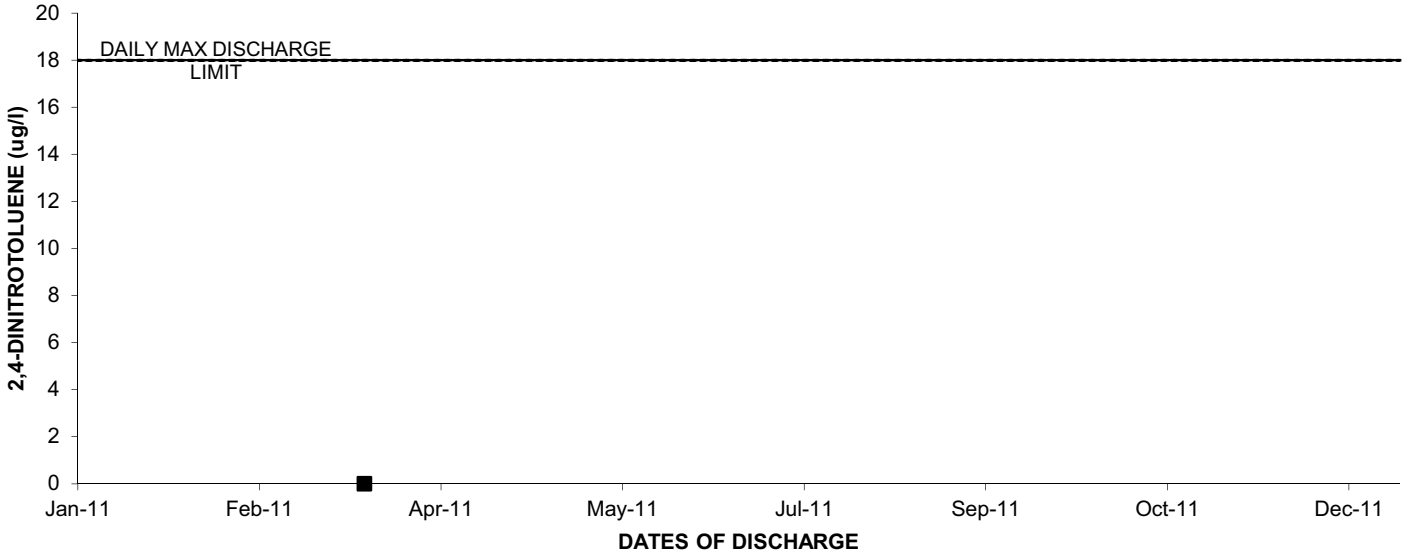
2011: OUTFALL 001 URANIUM, TOTAL



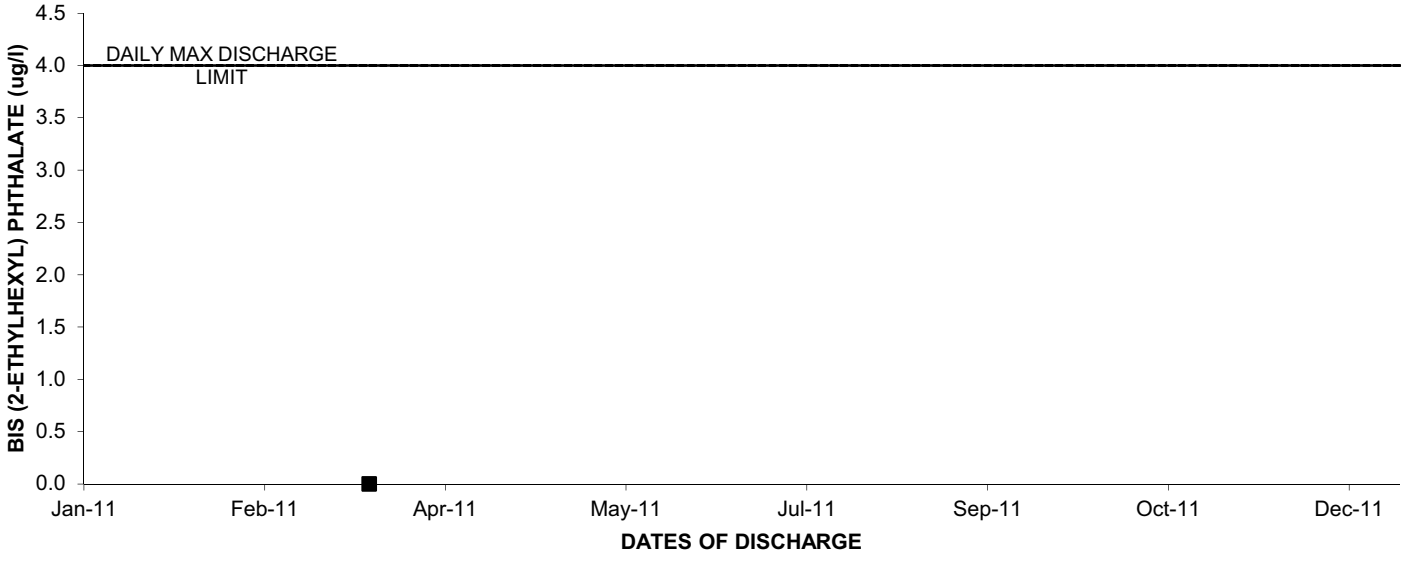
2011: OUTFALL 001 2,4,6-TRICHLOROPHENOL



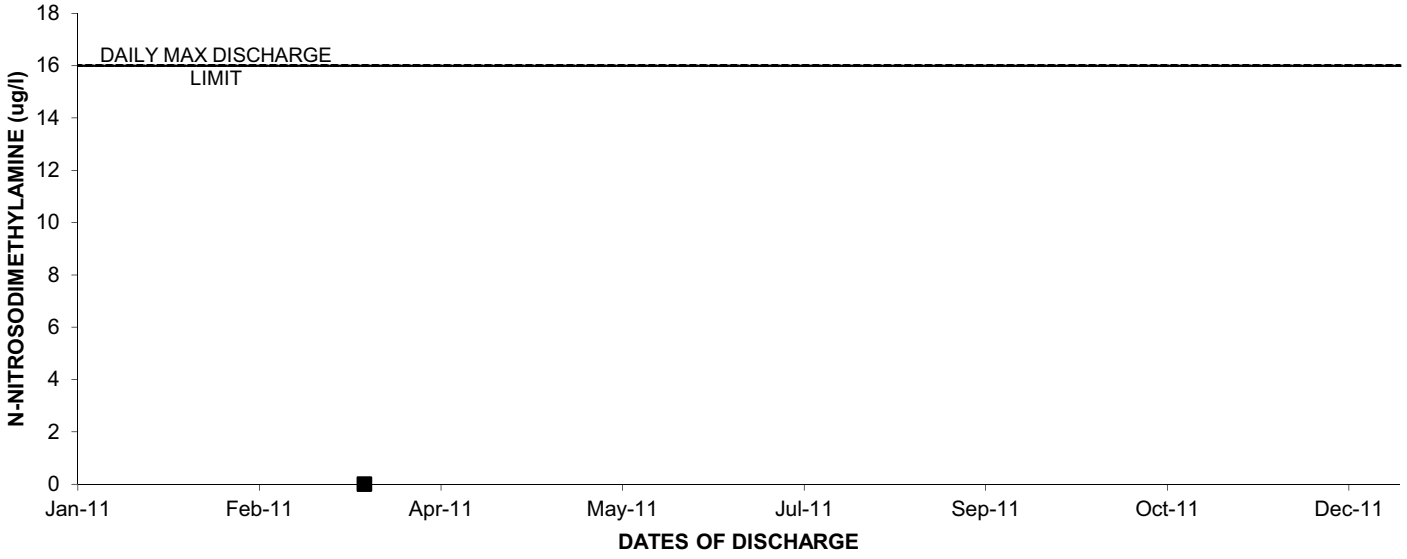
2011: OUTFALL 001 2,4-DINITROTOLUENE



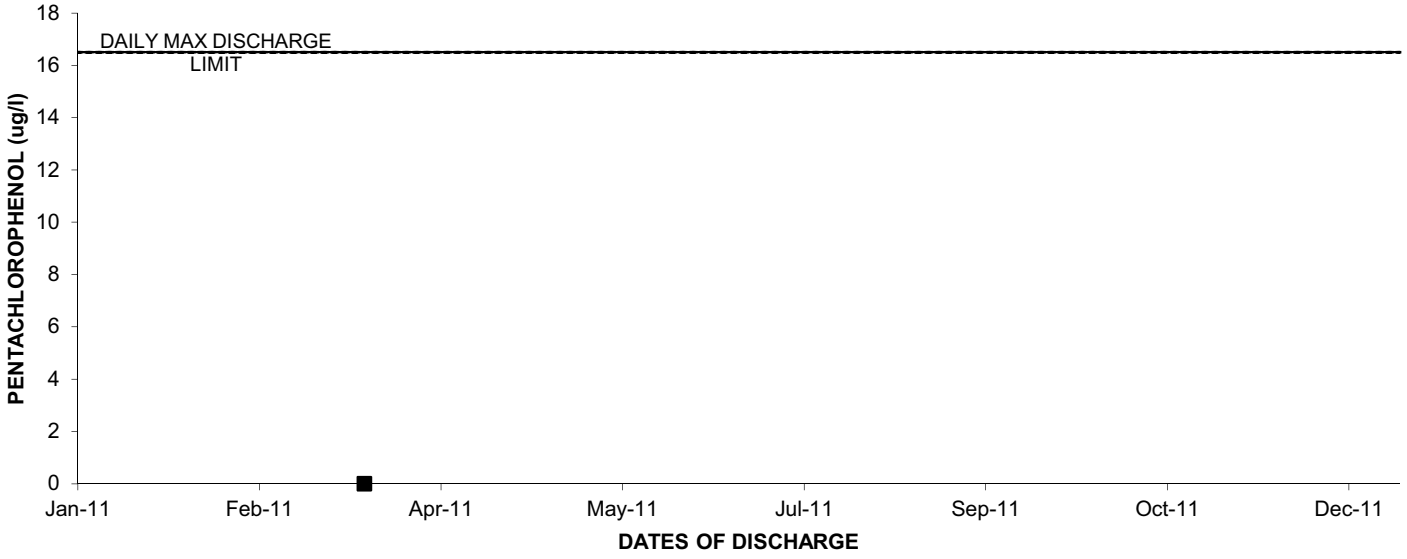
2011: OUTFALL 001 BIS (2-ETHYLHEXYL) PHTHALATE



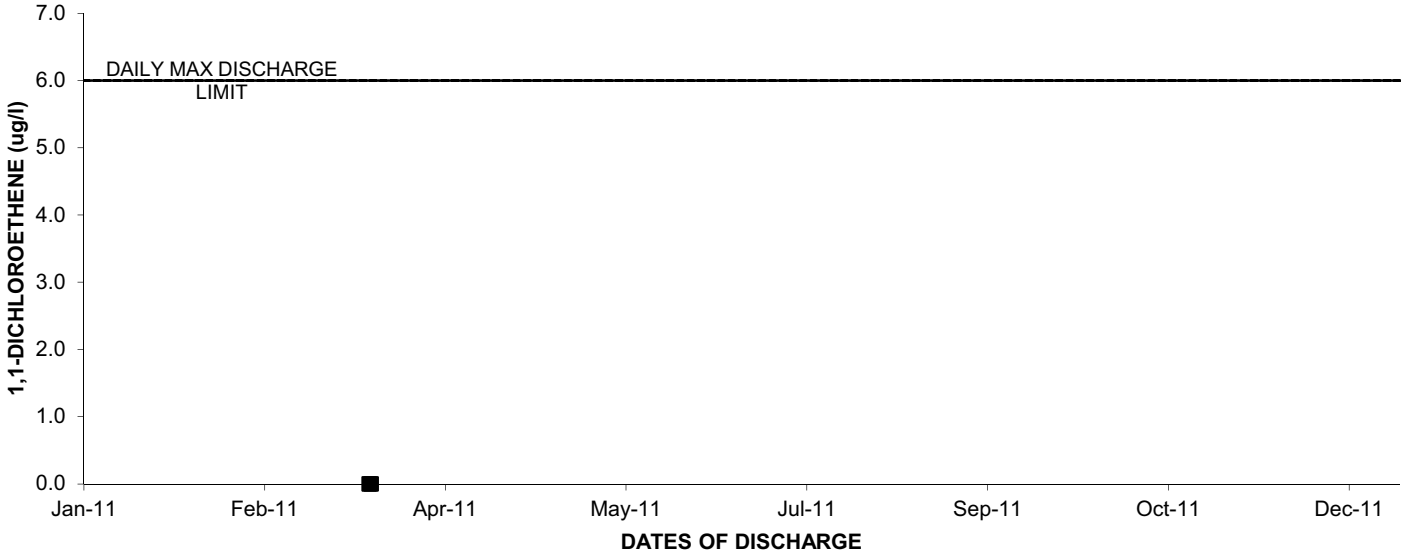
2011: OUTFALL 001 N-NITROSODIMETHYLAMINE



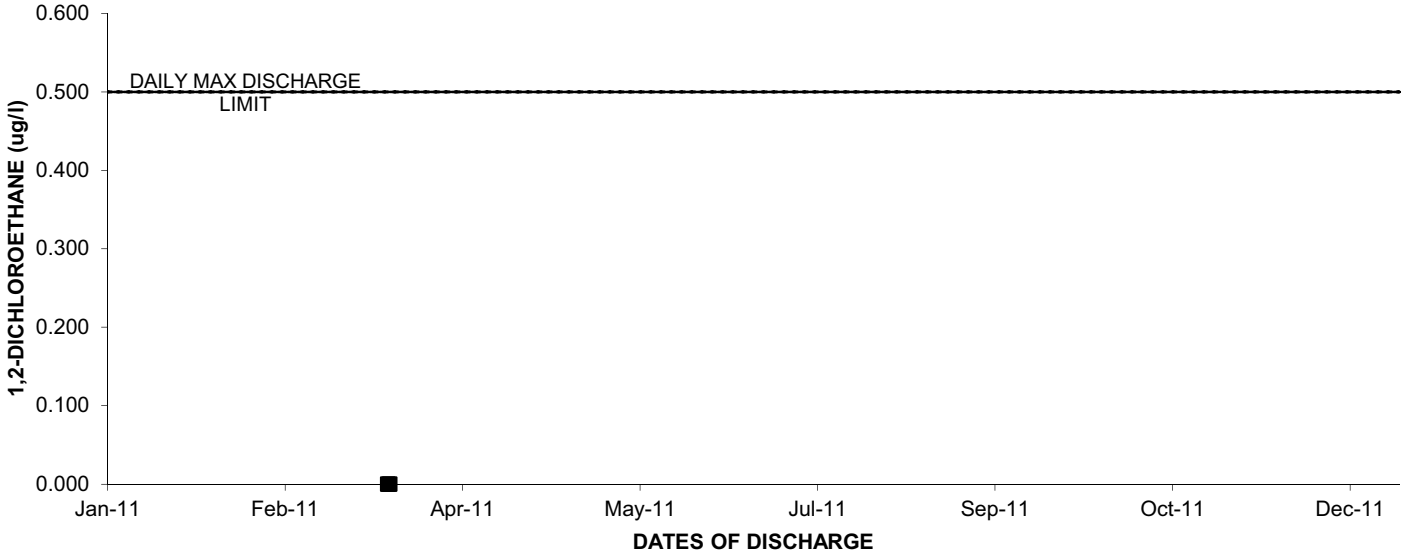
2011: OUTFALL 001 PENTACHLOROPHENOL

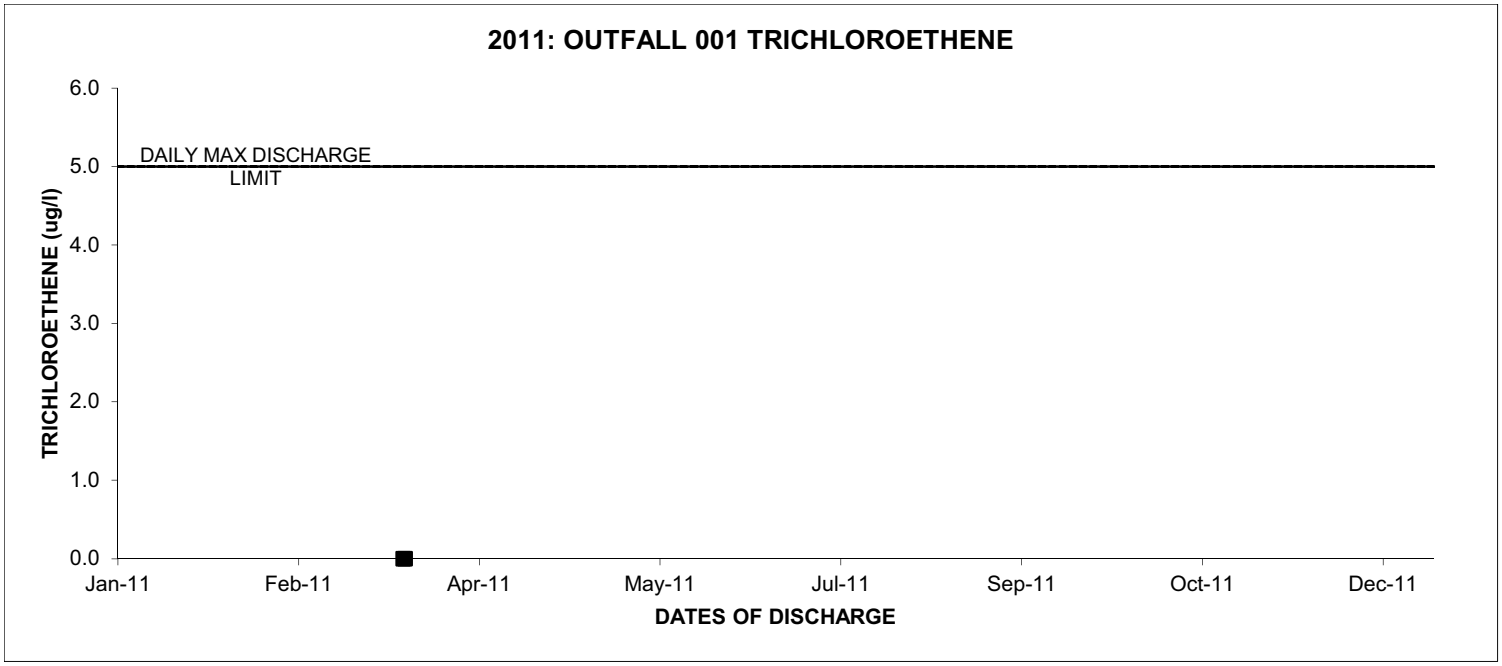


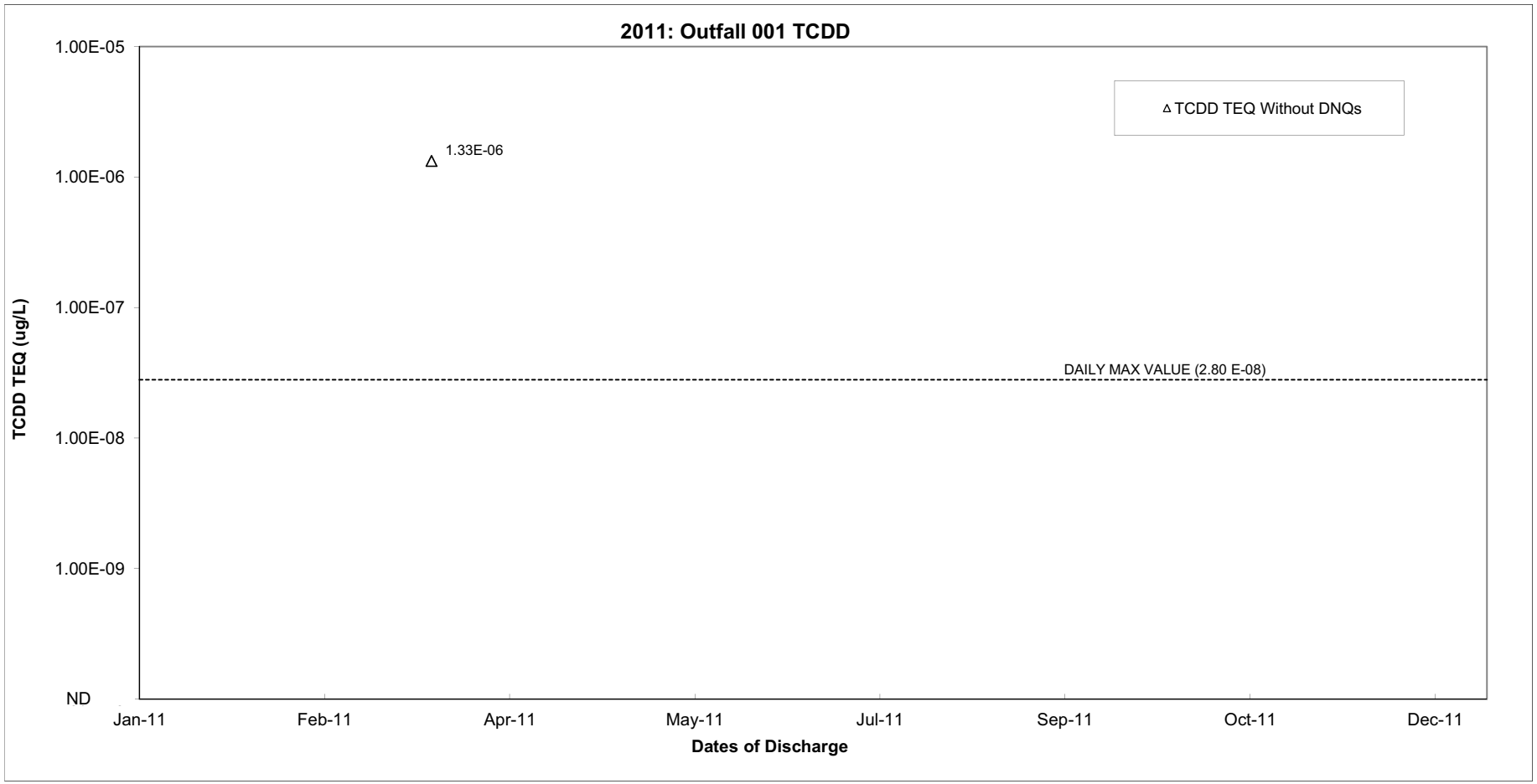
2011: OUTFALL 001 1,1-DICHLOROETHENE



2011: OUTFALL 001 1,2-DICHLOROETHANE




2011: OUTFALL 001 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 001 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
Δ TCDD TEQ Without DNQs
1.33E-06
DAILY MAX VALUE (2.80 E-08)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 2

OUTFALL 002 (SOUTH SLOPE BELOW R-2 POND)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]			2/19/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.3	Ja* (DNQ)	Comp	2.0	*
Chloride	mg/L	150/-	Comp	28	*	Comp	16	*
Dissolved Oxygen	mg/L	-/-	ANR	50	*	Grab	8.45	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	Grab	50.0	*
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	Grab	50.0	*
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	700	--	Grab	500	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.053	Ja* (DNQ)	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	Comp	0.33	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*	Comp	0.15	Ja* (DNQ)
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.12	*	Comp	0.15	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*	Grab	7.1	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	140	*	Comp	84	*
Temperature	deg. F	86/-	Grab	42	*	Grab	44	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	450	*	Comp	310	*
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	150	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	150	--
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	Comp	8.8	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	Grab	0.0	*
Total Suspended Solids	mg/L	45/-	Comp	ND < 1.0	*	Comp	12	*
Turbidity	NTU	-/-	Comp	0.68	J (DNQ)	Comp	26	--
Volume Discharged	MGD	160/-	Meas	0.008565	*	Meas	0.288645	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.30	*
Arsenic	ug/L	10/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	ANR	ANR	ANR	Comp	0.034	--
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.031	--
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Boron	mg/L	-/-	ANR	ANR	ANR	Comp	0.069	--
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.076	--
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	Comp	43	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	38	--
Chromium	ug/L	16/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium VI	ug/L	16/-	ANR	ANR	ANR	Comp	ND < 0.250	*
Cobalt	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Copper	ug/L	14/-	Comp	2.51	*	Comp	4.63	*
Copper, dissolved	ug/L	-/-	Comp	1.75	Ja* (DNQ)	Comp	1.83	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.024	Ja* (DNQ)	Comp	0.97	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]			2/19/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	ND < 0.015	*	Comp	0.043	--
Lead	ug/L	5.2/-	Comp	ND < 0.200	*	Comp	0.53	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.200	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	Comp	11	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	14	--
Manganese	ug/L	50/-	Comp	ND < 7.0	*	Comp	32	--
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	*	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Selenium	ug/L	(5) 8.2/-	Comp	0.61	Ja* (DNQ)	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	ANR	ANR	ANR	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.0	U
Zinc	ug/L	119/-	Comp	ND < 6.00	*	Comp	7.68	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	11.7	Ja* (DNQ)	Comp	ND < 6.00	U
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	Grab	ND < 0.28	U
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	Grab	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	U
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	U
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	Grab	ND < 0.42	U
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U (B)
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	Grab	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	Grab	ND < 0.32	U
Toluene	ug/L	-/-	Grab	ND < 0.36	*	Grab	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	Grab	ND < 0.30	U
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	1.8	--
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	Grab	ND < 0.50	U
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	Grab	ND < 0.40	U
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	Grab	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	Grab	ND < 0.025	*
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.1	U
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]			2/19/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.37	U
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0952	*	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.190	*	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.8	U
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.72	U
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0040	*
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0030	*
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0040	*
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 4.0	U
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.2	U
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	Grab	100	--
Aldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0015	*
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*	Comp	ND < 0.0025	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
Benzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.72	R (L)
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	UJ (*III)
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0040	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	UJ (*III)
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.62	*	Comp	ND < 1.60	UJ (*III)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
Bromoform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Bromomethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]			2/19/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.660	U
Chlordane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.079	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	U
Chloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Chloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	3.0	--
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.22	U
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
delta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0035	*
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	U
Dieldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0020	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	0.245	J (DNQ)
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	0.396	J (DNQ)
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0020	*
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0030	*
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0030	*
Endrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0020	*
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0020	*
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0030	*
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0025	L*
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.189	U
Hydrazine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0030	*
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.95	U
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0952	*	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0952	*	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.25	*
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	U
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/25/2011-02/26/2011			3/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	ND < 0.50	*	Comp	1.2	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	20	*	Comp	21	MHA*
Dissolved Oxygen	mg/L	-/-	Grab	8.30	*	Grab	7.96	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	440	--	Grab	590	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.20	*	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.14	*	Comp	0.096	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.3	*	Grab	7.4	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	92	*	Comp	110	MHA*
Temperature	deg. F	86/-	Grab	42	*	Grab	49	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	370	*	Comp	380	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	3.0	J* (DNQ)	Comp	1.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	9.8	--	Comp	1.3	--
Volume Discharged	MGD	160/-	Meas	0.47393	*	Meas	0.10741	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.3	*	Comp	2.3	*
Copper, dissolved	ug/L	-/-	Comp	0.77	J* (DNQ)	Comp	1.4	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.49	--	Comp	0.042	B*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/25/2011-02/26/2011			3/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.063	--	Comp	ND < 0.015	*
Lead	ug/L	5.2/-	Comp	0.24	J* (DNQ)	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	C*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	119/-	Comp	ND < 6.00	U	Comp	ND < 6.00	*
Zinc, Dissolved	ug/L	-/-	Comp	7.68	J (DNQ)	Comp	6.2	Ja* (DNQ)
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	0.86	J* (DNQ)	Grab	0.43	Ja* (DNQ)
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/25/2011-02/26/2011			3/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/25/2011-02/26/2011			3/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011 [a]			3/20/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	U	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	0.50	J (DNQ)	Comp	2.9	*
Chloride	mg/L	150/-	Comp	26	--	Comp	8.6	*
Dissolved Oxygen	mg/L	-/-	Grab	8.12	*	Grab	8.14	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	660	--	Grab	580	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	U	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	U	Comp	0.30	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.060	U	Comp	0.30	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	U	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	U	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*	Grab	7.7	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	U	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	130	--	Comp	37	*
Temperature	deg. F	86/-	Grab	51	*	Grab	50	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	U	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	470	--	Comp	180	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	ND < 1.0	U	Comp	63	--
Turbidity	NTU	-/-	Comp	0.47	J (DNQ)	Comp	130	--
Volume Discharged	MGD	160/-	Meas	0.026185	*	Meas	10.3968	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	U	Comp	0.11	Ja*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	1.4	J (DNQ)	Comp	6.0	*
Copper, dissolved	ug/L	-/-	Comp	1.9	J (DNQ)	Comp	2.1	*
Iron	mg/L	0.3/-	Comp	ND < 0.015	U	Comp	5.4	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011 [a]			3/20/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	ND < 0.015	U	Comp	0.058	--
Lead	ug/L	5.2/-	Comp	ND < 0.20	UJ (*III)	Comp	3.0	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	UJ (*III)	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	U	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	U	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	119/-	Comp	ND < 6.00	U	Comp	30.4	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U	Comp	ND < 20.0	U (B)
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	U	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	U	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	U	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011 [a]			3/20/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	U	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	U	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	U	Comp	ND < 0.0024	C*
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011 [a]			3/20/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	U	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	U	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/20/2011-07/21/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	1.7	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	42	*
Dissolved Oxygen	mg/L	-/-	Grab	3.81	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	630	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.093	Ja* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.088	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.2	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	140	*
Temperature	deg. F	86/-	Grab	76	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	440	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.84	J (DNQ)
Volume Discharged	MGD	160/-	Meas	1.3997	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	0.968	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	0.824	Ja*
Iron	mg/L	0.3/-	Comp	0.041	B*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/20/2011-07/21/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	ND < 0.015	*
Lead	ug/L	5.2/-	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/-	Comp	ND < 6.00	*
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	*
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/20/2011-07/21/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.62	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/20/2011-07/21/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0952	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date January 3, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.50E-07	5.00E-05	ND	UJ (*III)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.50E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	6.10E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	8.50E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	4.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.70E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	4.30E-07	5.00E-05	6.70E-07	J (DNQ)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	7.00E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	5.20E-07	5.00E-05	ND	UJ (*III)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.10E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.50E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.20E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	6.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	5.90E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.70E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	9.40E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	1.20E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 19, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.30E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.50E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.10E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.90E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.80E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.40E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.60E-07	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.60E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	3.90E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.60E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.60E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	2.80E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.70E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.10E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.30E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	5.00E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 25-26, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.00E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.70E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.60E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	4.20E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.50E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.30E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.30E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	3.10E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.20E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	7.00E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	8.10E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.20E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	8.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.80E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.80E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.20E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	5.60E-06	1.00E-04	8.80E-06	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 3, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.10E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.50E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.80E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.80E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	9.90E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.50E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.40E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.70E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	9.60E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.80E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.70E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	3.50E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	3.50E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 7, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.90E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.80E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.10E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.50E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.40E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.00E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.30E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.30E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.90E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	9.90E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.70E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.70E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	3.60E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	2.40E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.90E-06	5.00E-05	9.70E-05	--		0.01	0.05	**4.85E-08**
1,2,3,4,6,7,8-HpCDF	1.70E-06	5.00E-05	2.10E-05	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.50E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.00E-06	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	4.70E-07	5.00E-05	8.70E-07	J (DNQ)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	9.20E-07	5.00E-05	3.20E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	4.20E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	5.80E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.00E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.00E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.20E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.10E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	6.60E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	9.90E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	9.80E-06	1.00E-04	1.30E-03	--		0.0001	0.01	**1.30E-09**
OCDF	4.50E-06	1.00E-04	5.10E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**4.98E-08**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Date July 20-21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.50E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	4.50E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	5.50E-07	5.00E-05	1.20E-06	J (DNQ)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.90E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	3.30E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	3.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.20E-07	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	3.30E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.60E-07	5.00E-05	1.10E-06	J (DNQ)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	9.50E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.90E-07	5.00E-05	2.00E-06	J (DNQ)		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.10E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.90E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	5.20E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.60E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.00E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	9.20E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ BENCHMARK LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/03/2011 (Comp)			02/19/2011 (Comp)			02/26/2011 (Comp)		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.986 ± 0.76	1.08	UJ (C)	0.905 ± 0.45	0.568	J (C, DNQ)	1.34 ± 0.69	0.795	J (C, DNQ)
Gross Beta	pCi/L	50/-	3.26 ± 1.1	1.69	J (DNQ)	2.96 ± 0.64	0.96	J (DNQ)	2.56 ± 0.76	1.13	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.159 ± 0.56	1.27	U	0.013 ± 0.29	0.662	U	-0.155 ± 0.48	1.22	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.06 ± 0.39	1.10	U	0.54 ± 0.45	1.17	U	0.21 ± 0.51	1.28	U
Tritium	pCi/L	20000/-	-58.1 ± 150	265	U	-67.1 ± 120	211	U	11.9 ± 100	169	U
Uranium, Total	pCi/L	20/-	1.68 ± 0.20	0.016	--	0.594 ± 0.068	0.02	J (DNQ)	0.941 ± 0.11	0.022	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 18.6	18.6	U	ND < 16.6	16.6	U	ND < 18	18	U
Cesium 137	pCi/L	200/-	ND < 1.17	1.17	U	ND < 1.05	1.05	U	ND < 1.6	1.6	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/03/2011 (Comp)			03/07/2011 (Comp)			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	1.17 ± 0.69	0.883	J (C, DNQ)	1.2 ± 0.98	1.4	UJ (C)	2.64 ± 0.60	0.41	J (C, DNQ)
Gross Beta	pCi/L	50/-	1.94 ± 0.81	1.25	J (DNQ)	2.92 ± 1.2	1.78	J (DNQ)	7.4 ± 0.80	1.02	--
Strontium-90	pCi/L	8.0/-	0.018 ± 0.39	0.892	U	0.068 ± 0.52	1.21	U	0.101 ± 0.32	0.701	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.20 ± 0.48	1.27	U	0.35 ± 0.41	1.10	U	0.17 ± 0.41	1.15	U
Tritium	pCi/L	20000/-	16.1 ± 85	144	U	49 ± 88	146	U	-54.7 ± 96	164	U
Uranium, Total	pCi/L	20/-	0.859 ± 0.093	0.025	J (DNQ)	1.47 ± 0.16	0.025	--	0.634 ± 0.074	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 17.4	17.4	U	ND < 34.8	34.8	U	ND < 22.6	22.6	U
Cesium 137	pCi/L	200/-	ND < 1.36	1.36	U	ND < 1.66	1.66	U	ND < 2.01	2.01	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/20-21/2011 (Comp)		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.285 ± 0.73	1.2	UJ (C)
Gross Beta	pCi/L	50/-	4.29 ± 1.0	1.47	--
Strontium-90	pCi/L	8.0/-	0.296 ± 0.42	0.844	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.13 ± 0.33	0.96	U
Tritium	pCi/L	20000/-	61.8 ± 96	159	U
Uranium, Total	pCi/L	20/-	0.356 ± 0.043	0.023	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 72.1	72.1	U
Cesium 137	pCi/L	200/-	ND < 2.25	2.25	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.015795	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	0.17	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	3.69	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.01	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.02	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	18.44	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	59.28	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.0003	*
Iron	LBS/DAY	400/-	Comp	0.003	Ja* (DNQ)
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	Comp	ND	*
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	0.0001	Ja* (DNQ)
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/19/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.288645	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	4.81	*
Chloride	LBS/DAY	200,160/-	Comp	38.52	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	Comp	0.79	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.36	Ja* (DNQ)
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.36	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	202.21	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	746.26	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	28.89	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	ND	*
Arsenic	LBS/DAY	67/-	Comp	ND	U
Barium	LBS/DAY	1,330/-	Comp	0.08	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	Comp	ND	U
Copper	LBS/DAY	19/-	Comp	0.01	*
Iron	LBS/DAY	400/-	Comp	2.34	--
Lead	LBS/DAY	6.9/-	Comp	0.001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	Comp	0.08	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	ND	U
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.02	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	U
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	U
Trichloroethene	LBS/DAY	6.7/-	Grab	0.004	--
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	UJ (*III)
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.
[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/25/2011-02/26/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.238935	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	39.85	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.40	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.28	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	183.33	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	737.31	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	5.98	J* (DNQ)
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.0046	*
Iron	LBS/DAY	400/-	Comp	0.98	--
Lead	LBS/DAY	6.9/-	Comp	0.00048	J* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	U
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	0.002	J* (DNQ)
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/3/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.243845	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	2.44	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	42.71	MHA*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.20	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	223.70	MHA*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	772.79	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	2.03	Ja* (DNQ)
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.005	*
Iron	LBS/DAY	400/-	Comp	0.09	B*
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	0.001	Ja* (DNQ)
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.036425	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	U
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	0.15	J (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	7.90	--
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	U
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	U
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	U
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	39.49	--
Total Cyanide	LBS/DAY	11/-	Comp	ND	U
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	142.78	--
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	U
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	U
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.0004	J (DNQ)
Iron	LBS/DAY	400/-	Comp	ND	U
Lead	LBS/DAY	6.9/-	Comp	ND	UJ (*III)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	U
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	U
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	U
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	U
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	U
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	U
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	10.3968	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	251.46	*
Chloride	LBS/DAY	200,160/-	Comp	745.70	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	26.01	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	26.01	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	3208.24	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	15607.68	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	5462.69	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	0.01	Ja*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.52	*
Iron	LBS/DAY	400/-	Comp	468.23	--
Lead	LBS/DAY	6.9/-	Comp	0.26	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	2.64	--
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	4.32E-09	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 002 (South Slope below R-2 Pond)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

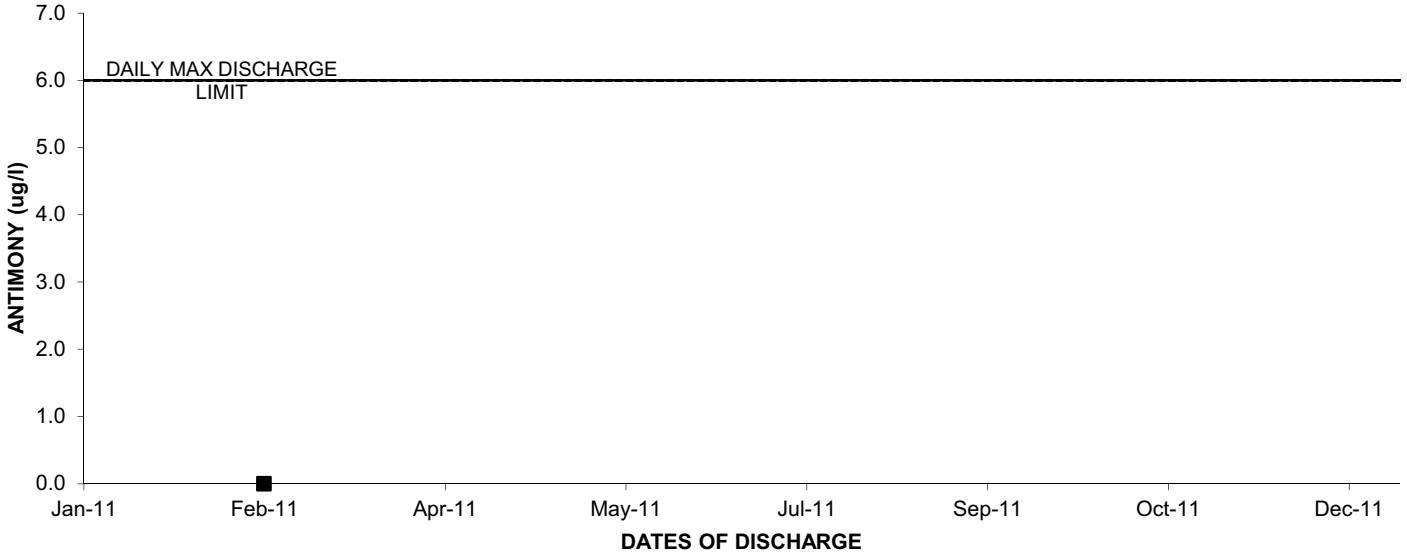
January 1 through December 31, 2011

			07/20/2011-07/21/2011 [a]		
ANALYTE	**UNITS**	**Benchmark Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.757265	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	10.74	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	265.25	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.59	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-			
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.56	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	884.18	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	2778.86	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.01	Ja* (DNQ)
Iron	LBS/DAY	400/-	Comp	0.26	B*
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

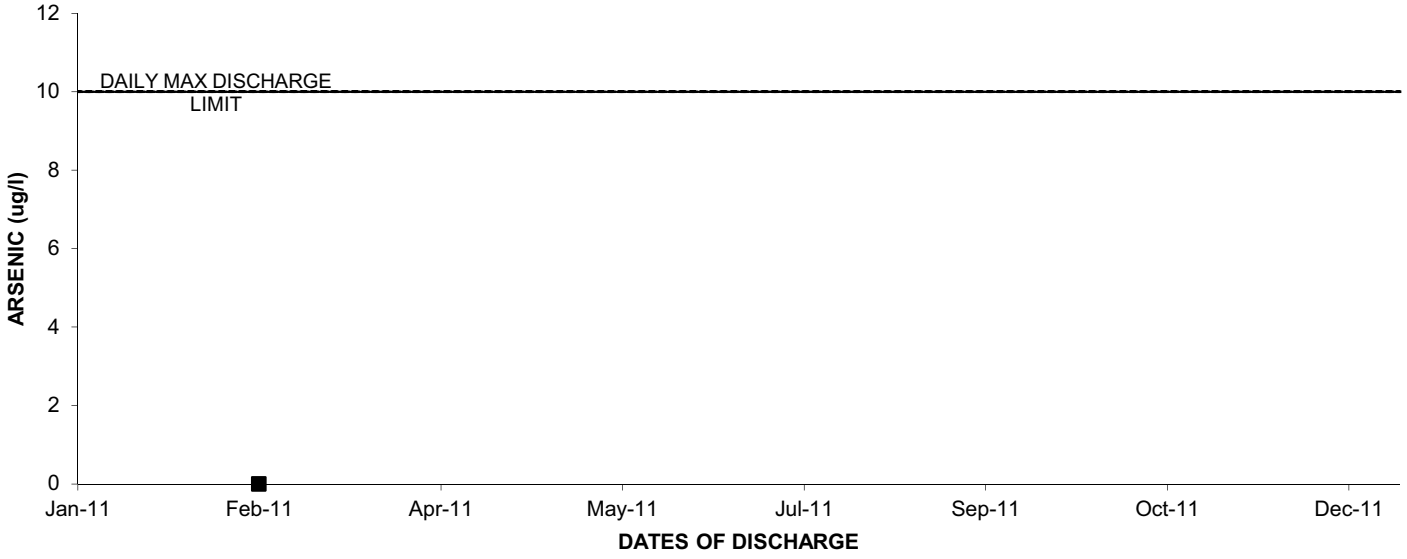
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

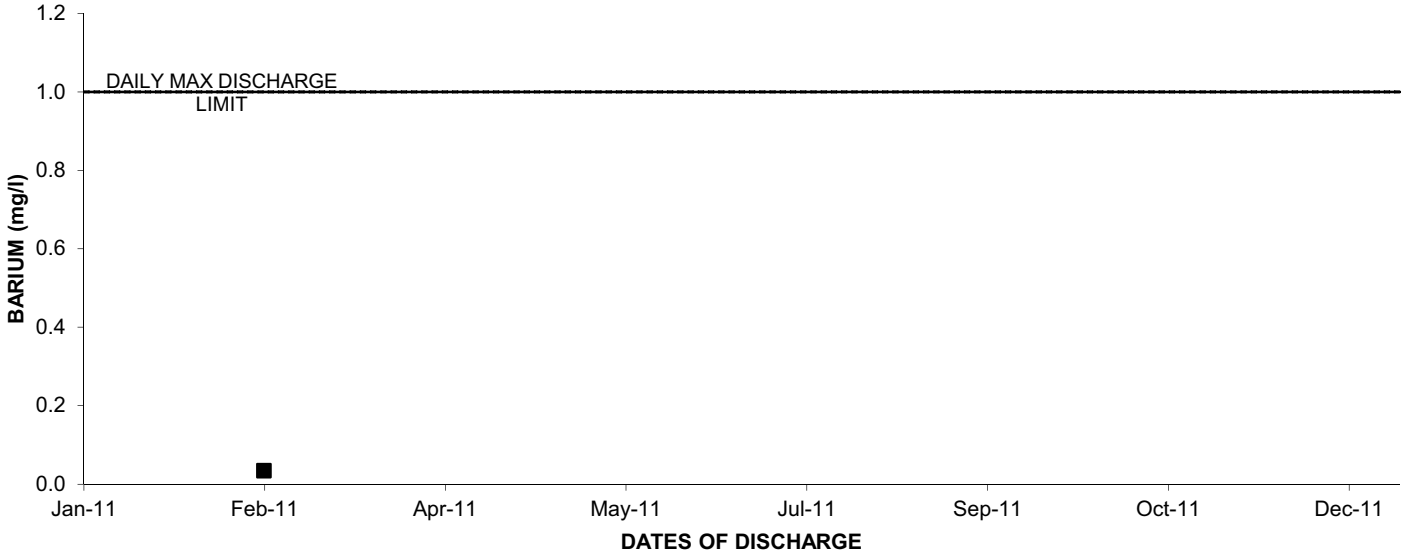
2011: OUTFALL 002 ANTIMONY



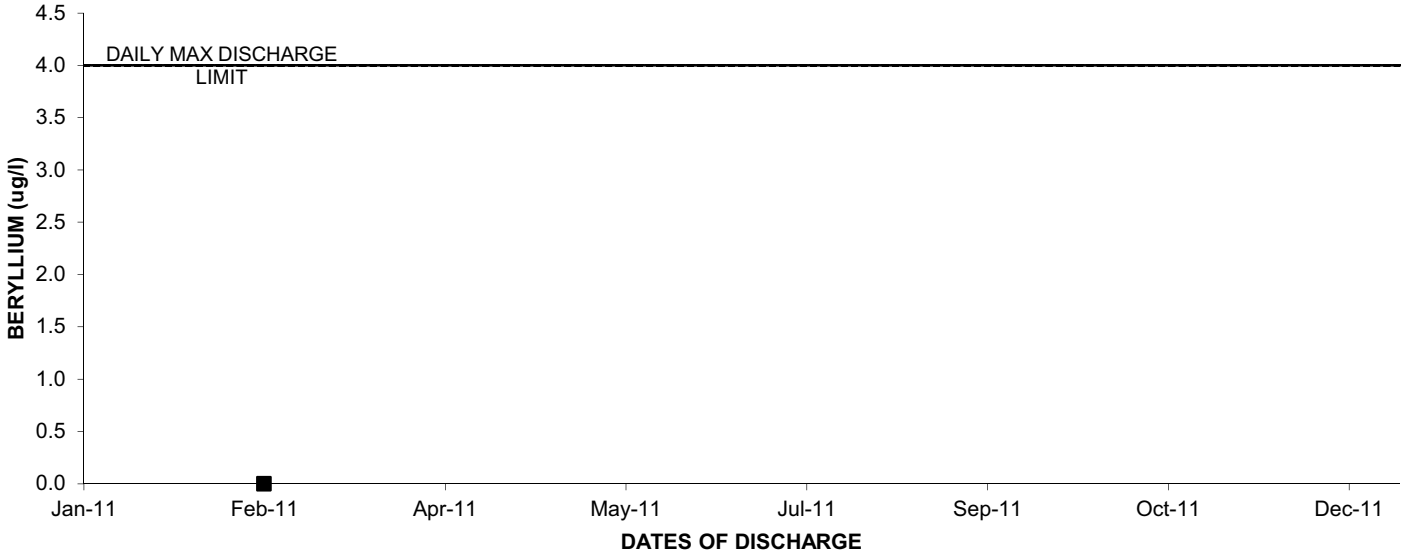
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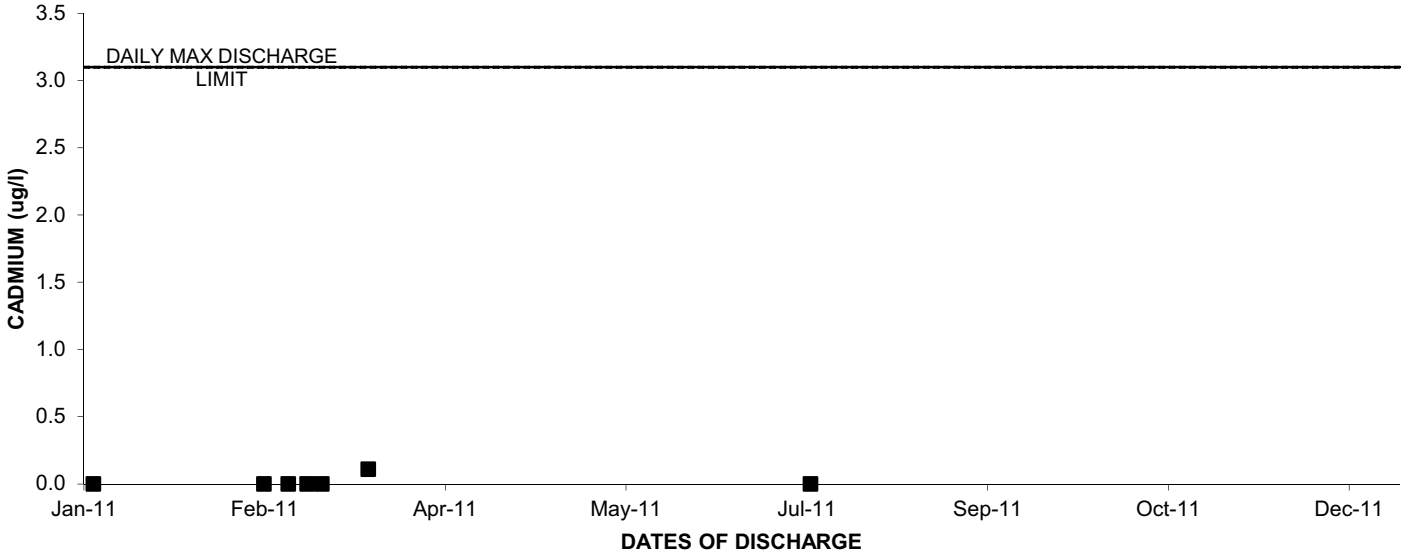
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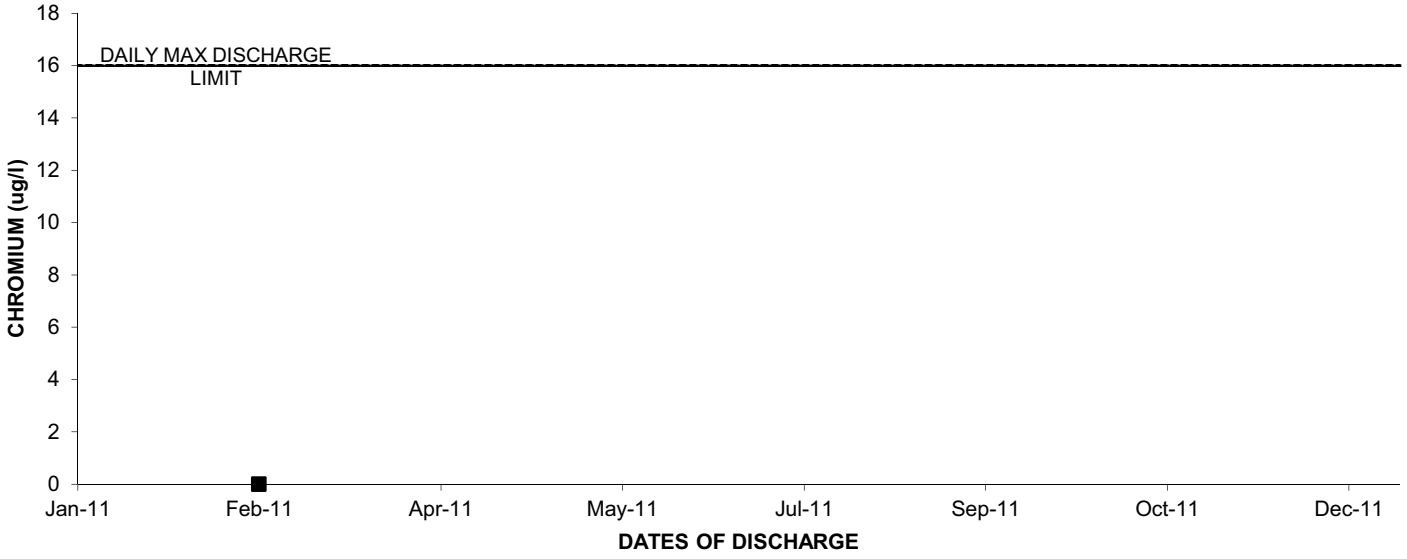
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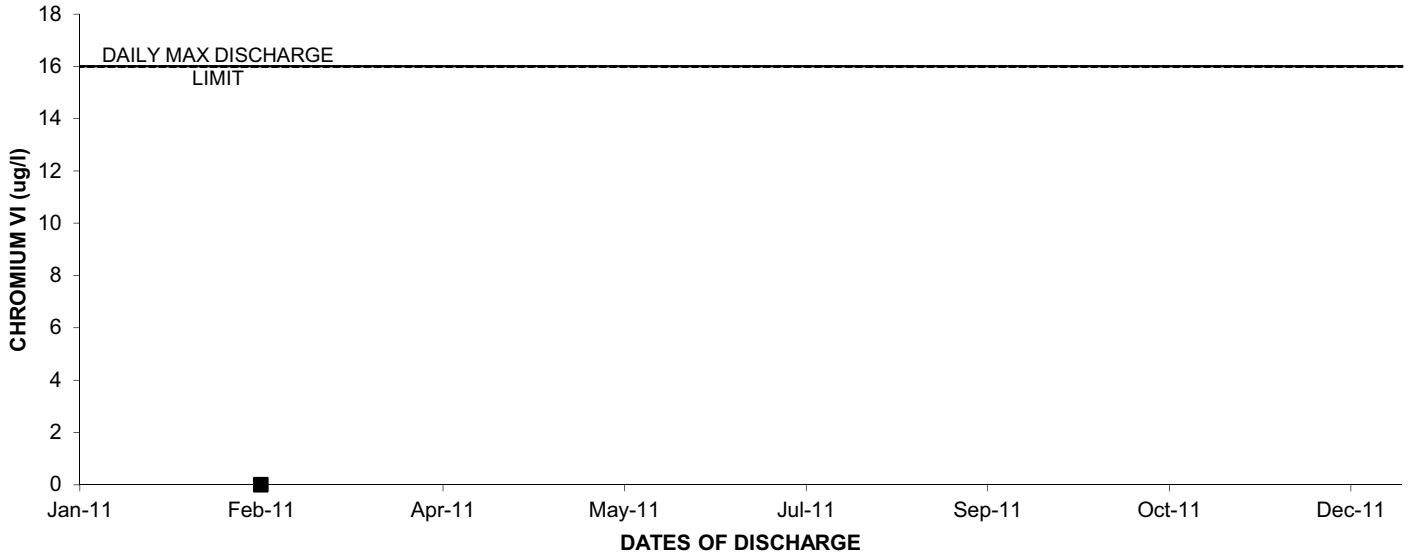
2011: OUTFALL 002 CADMIUM



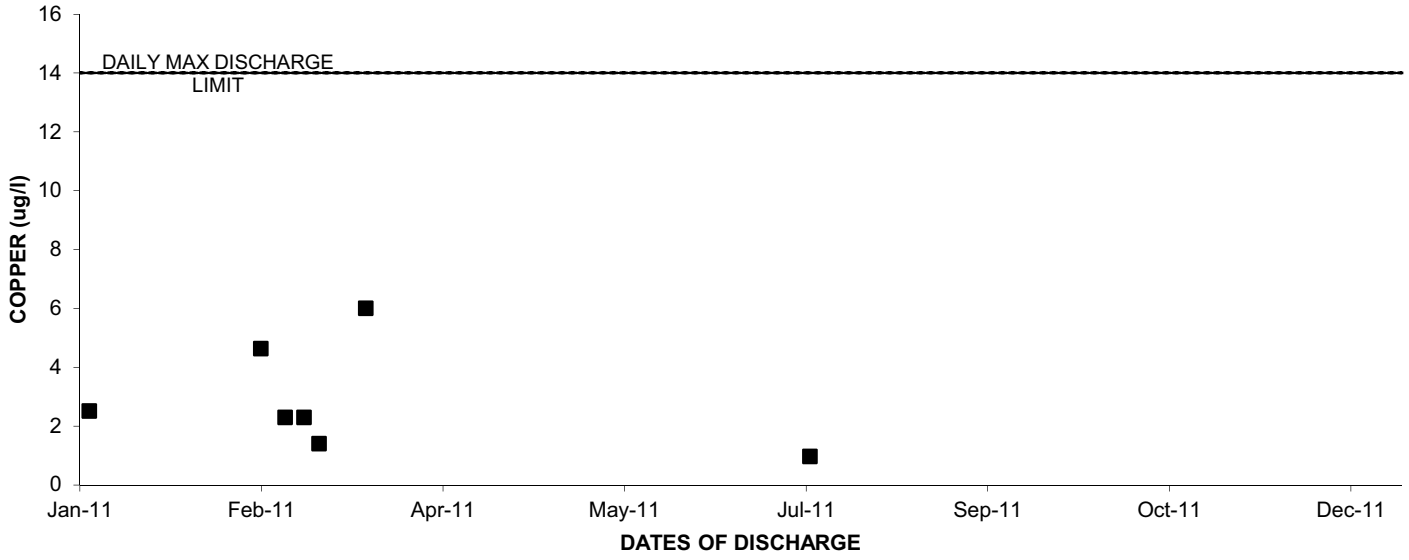
2011: OUTFALL 002 CHROMIUM



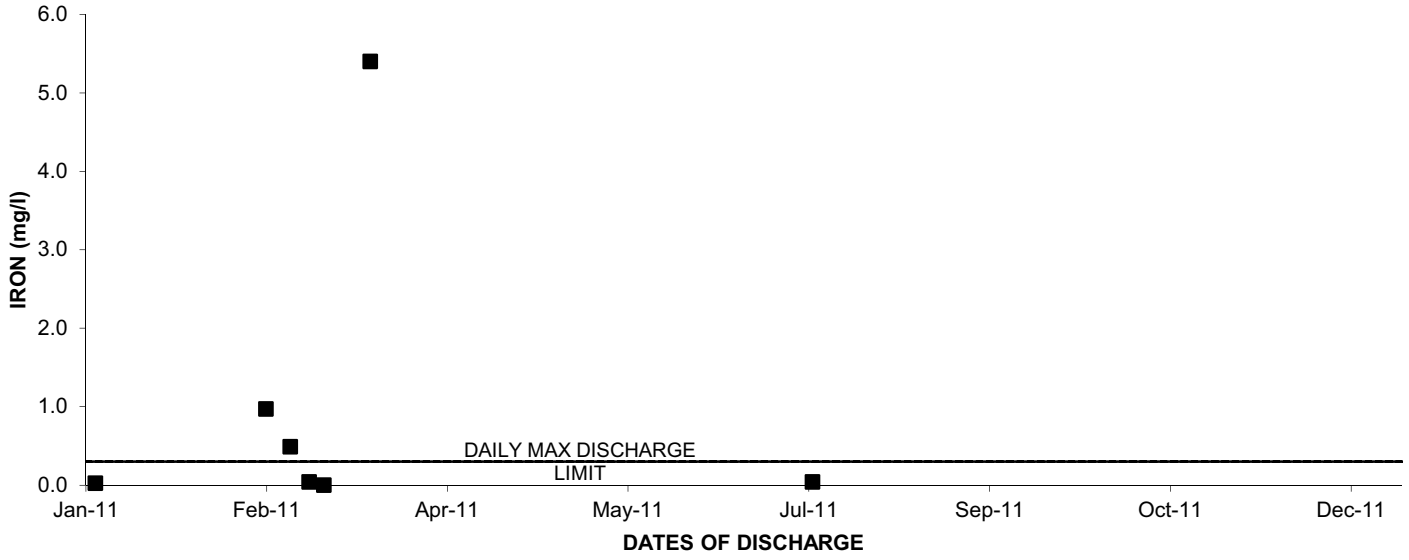
2011: OUTFALL 002 CHROMIUM VI



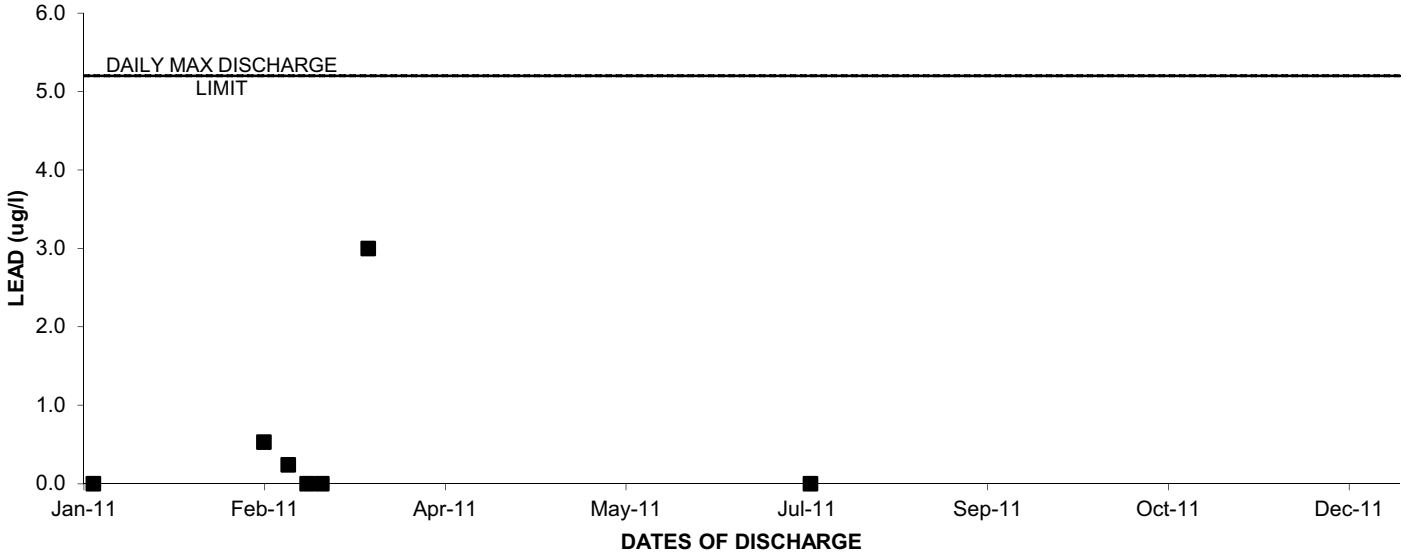
2011: OUTFALL 002 COPPER



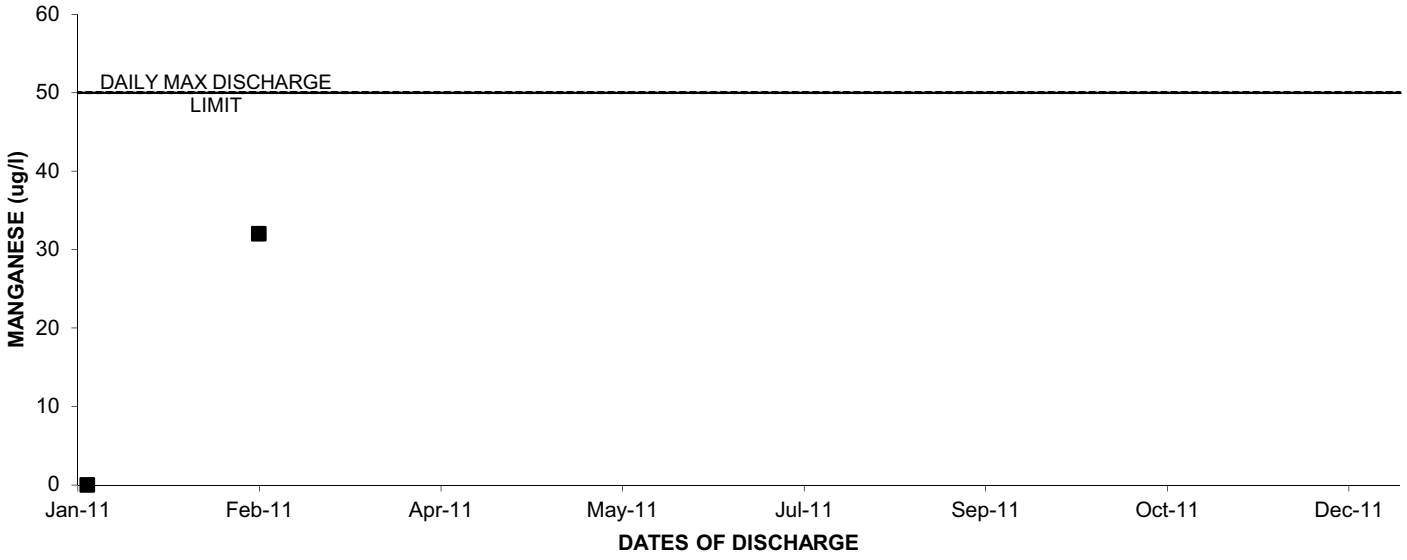
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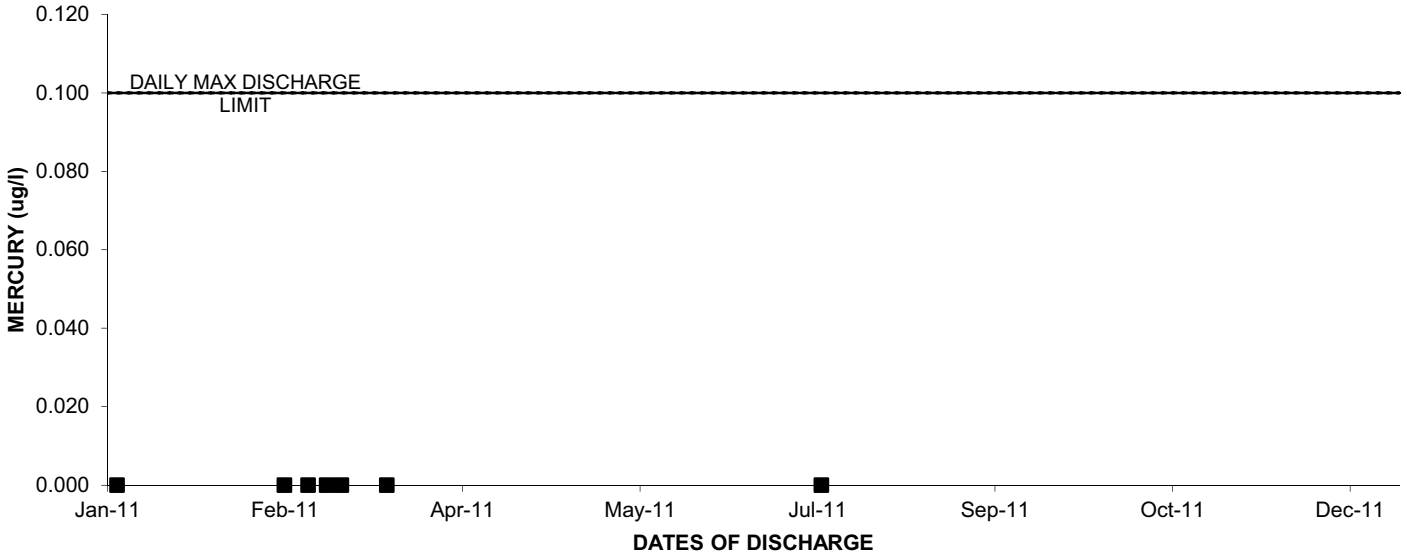
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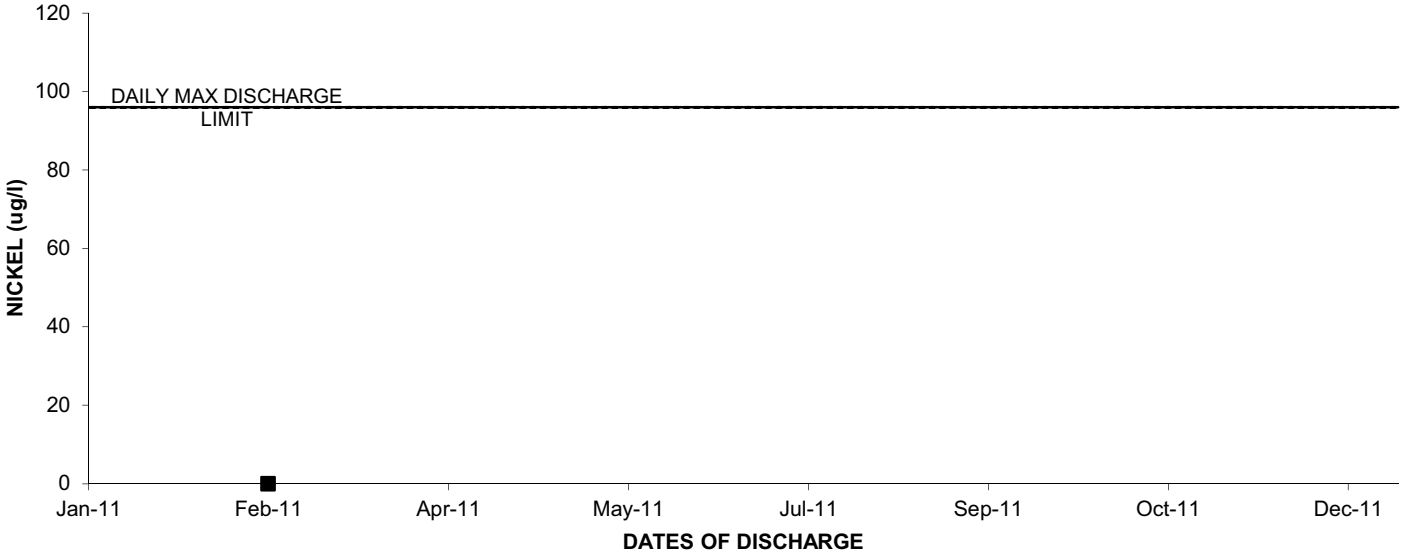
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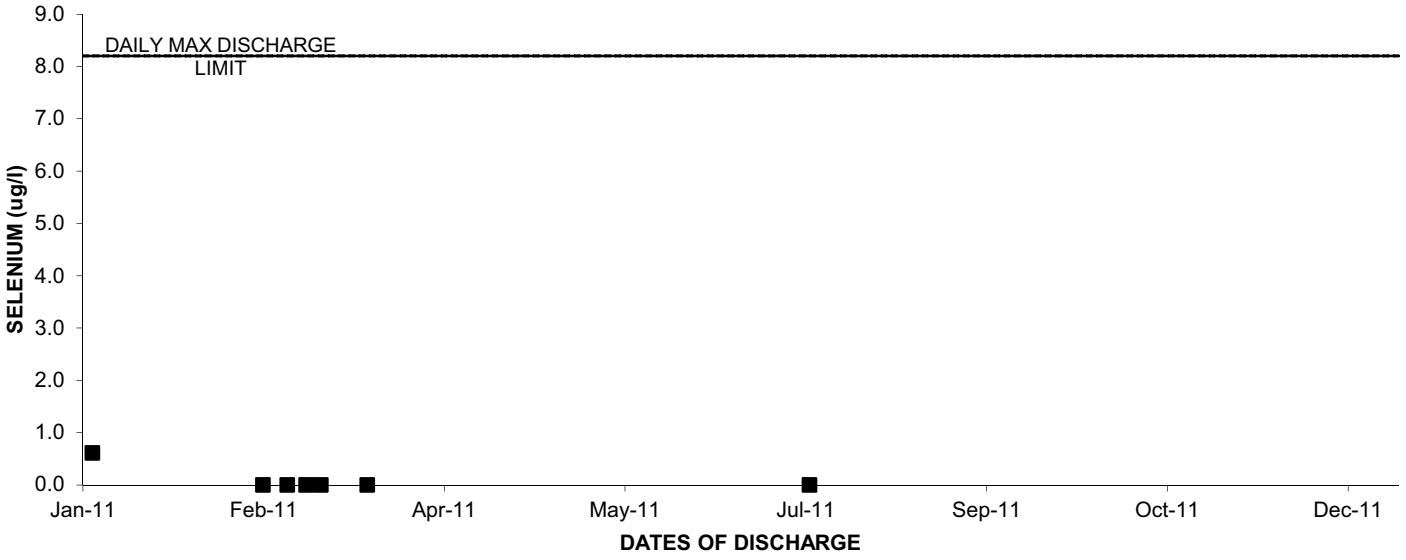
2011: OUTFALL 002 MERCURY



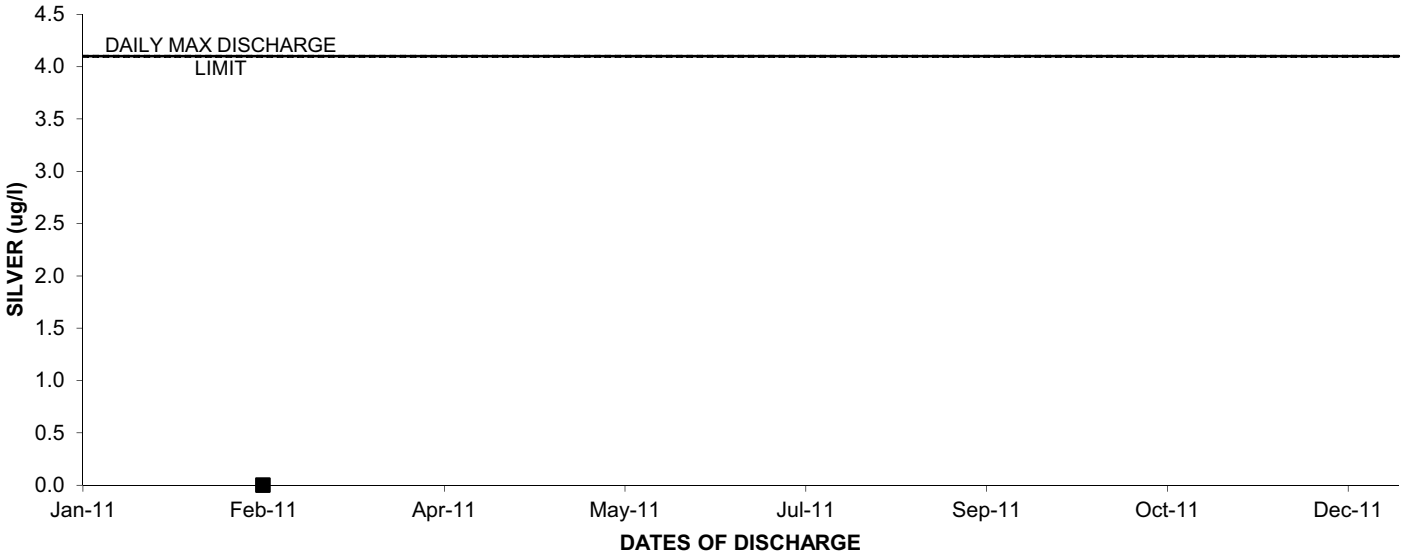
2011: OUTFALL 002 NICKEL



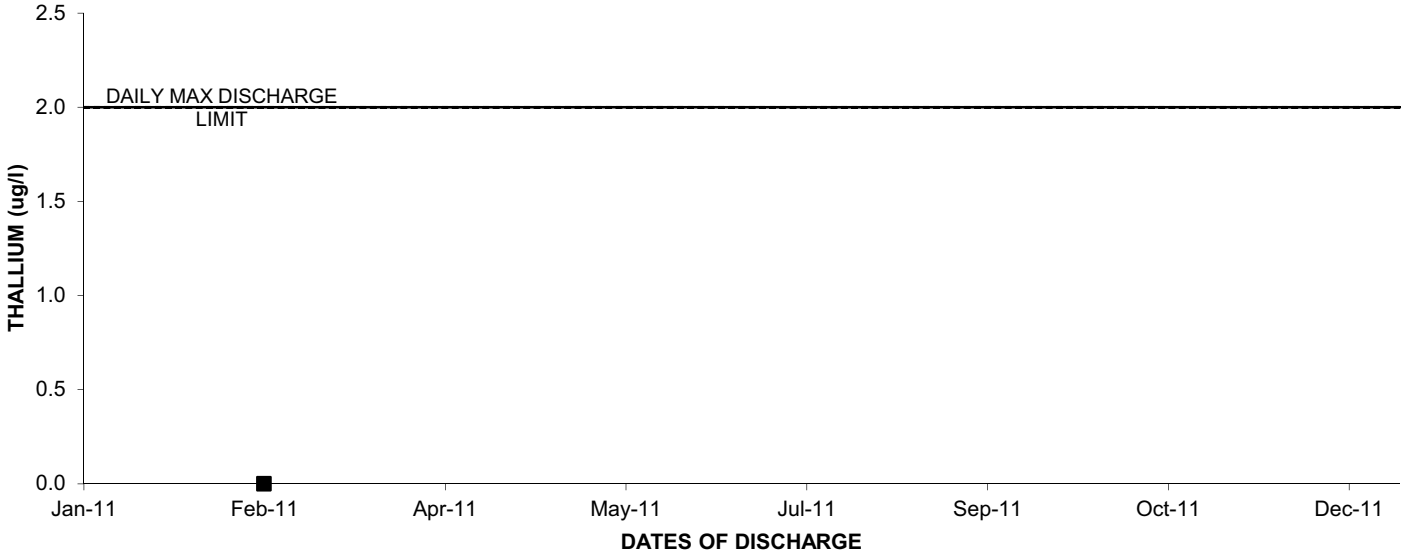
2011: OUTFALL 002 SELENIUM



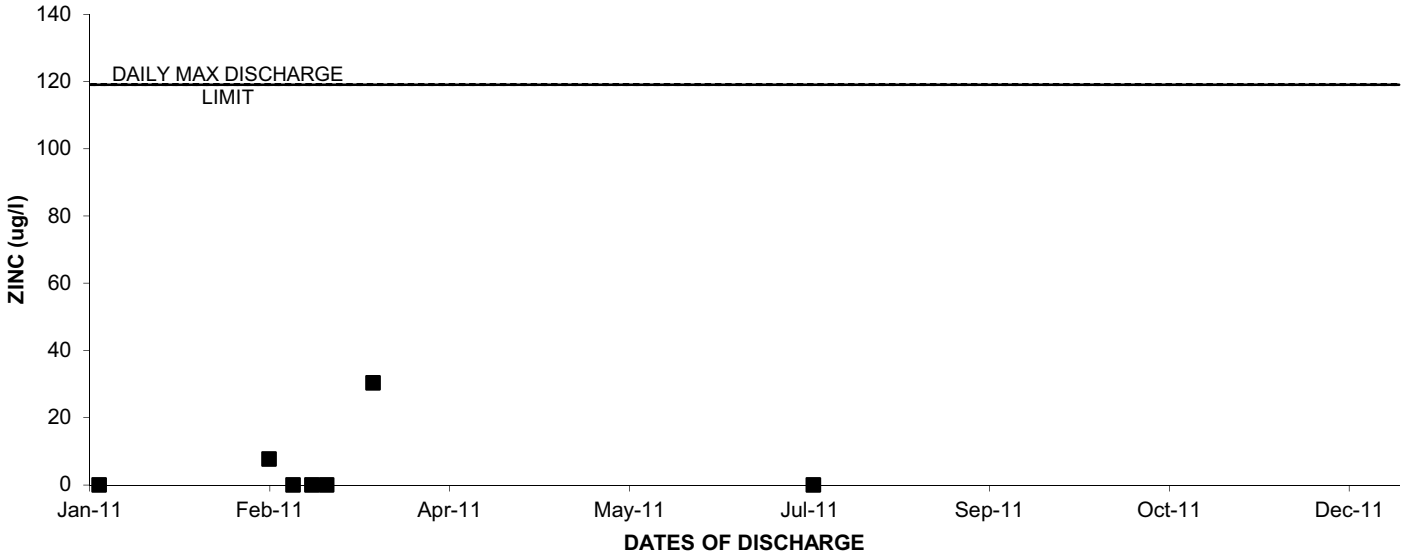
2011: OUTFALL 002 SILVER



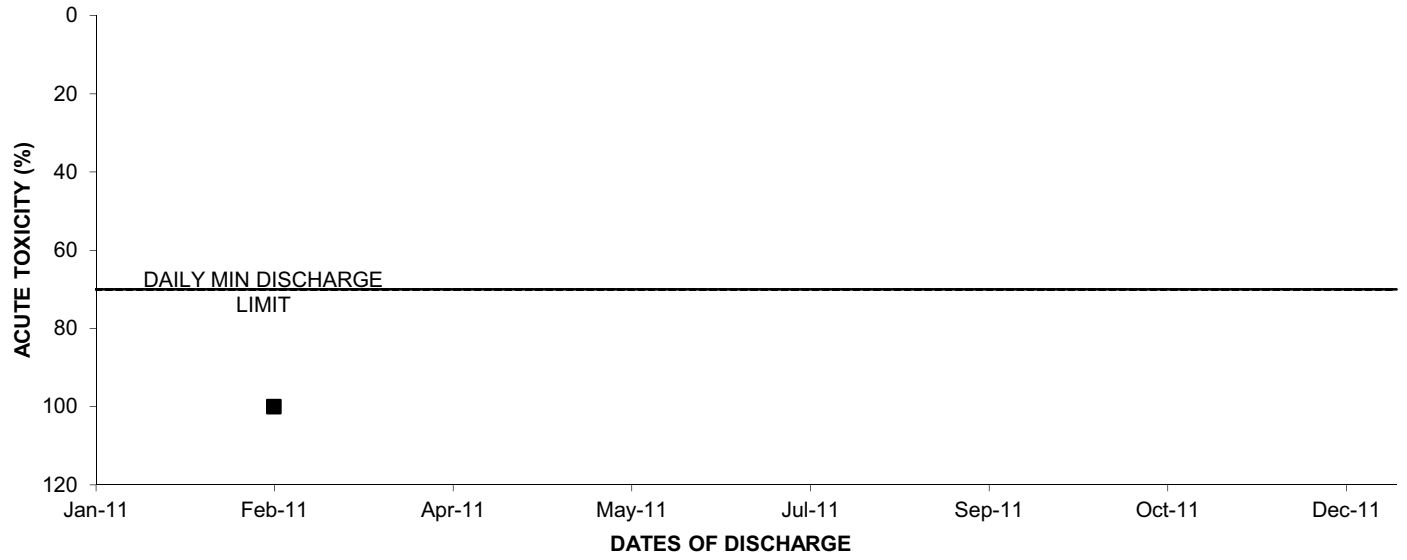
2011: OUTFALL 002 THALLIUM



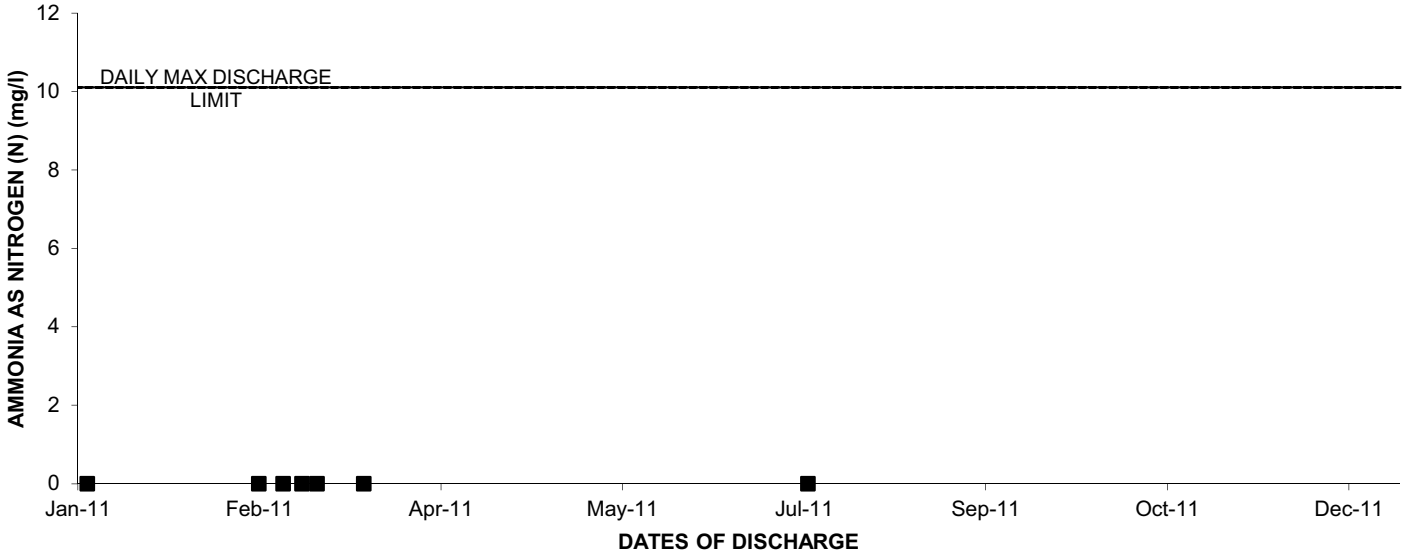
2011: OUTFALL 002 ZINC



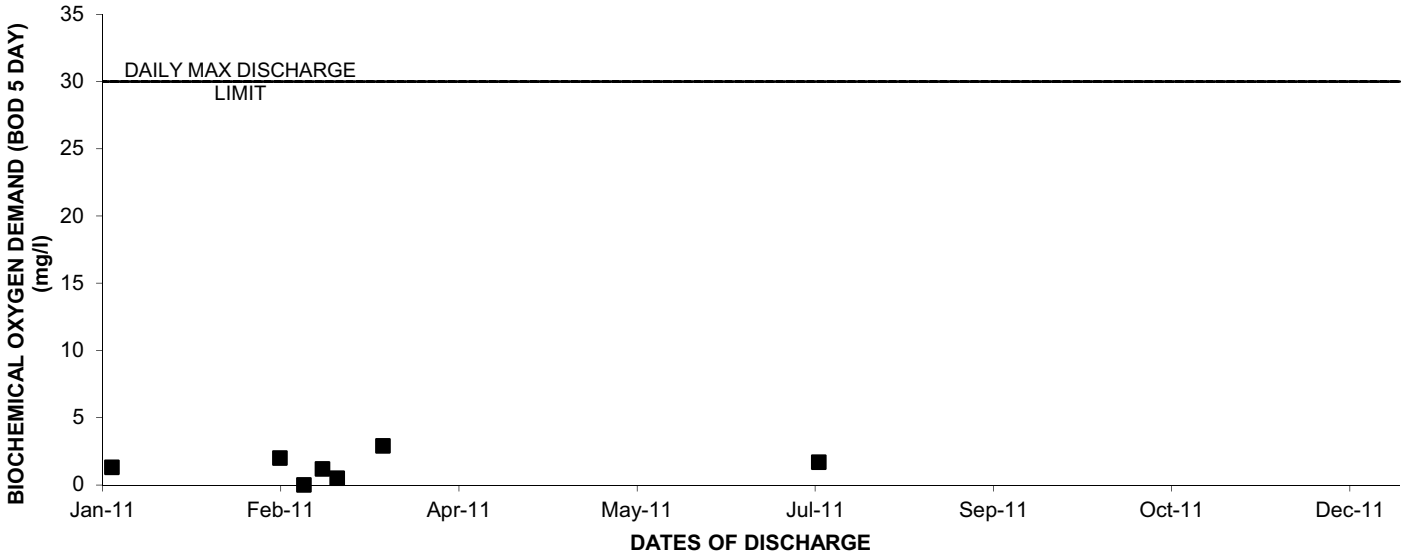
2011: OUTFALL 002 ACUTE TOXICITY



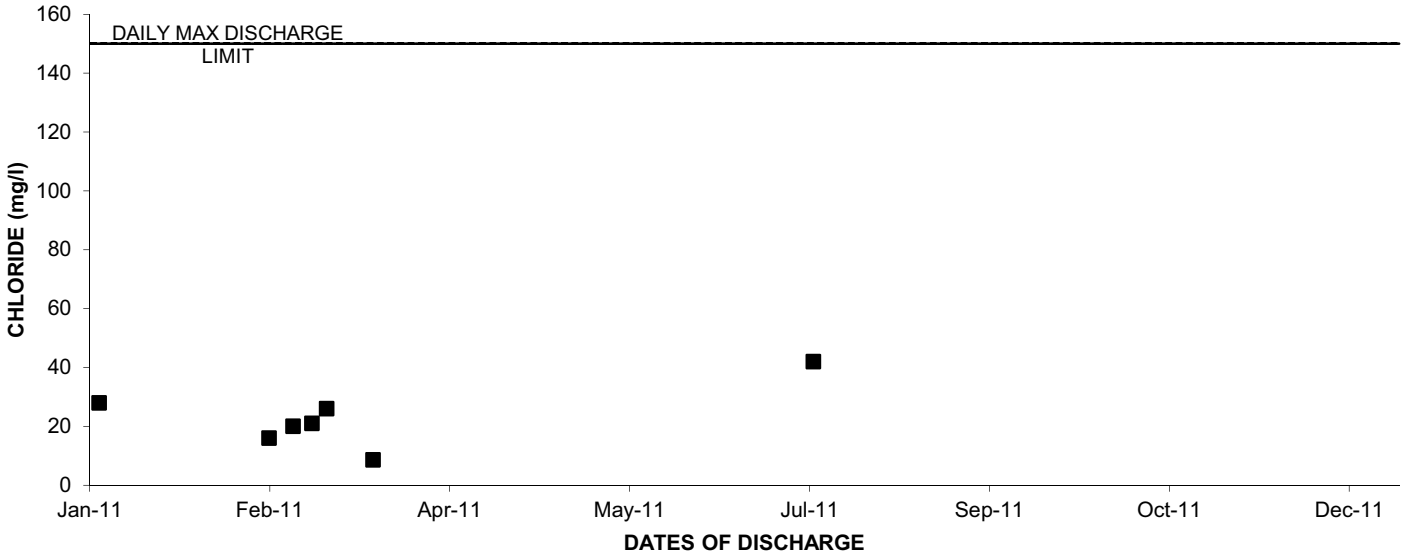
2011: OUTFALL 002 AMMONIA AS NITROGEN (N)



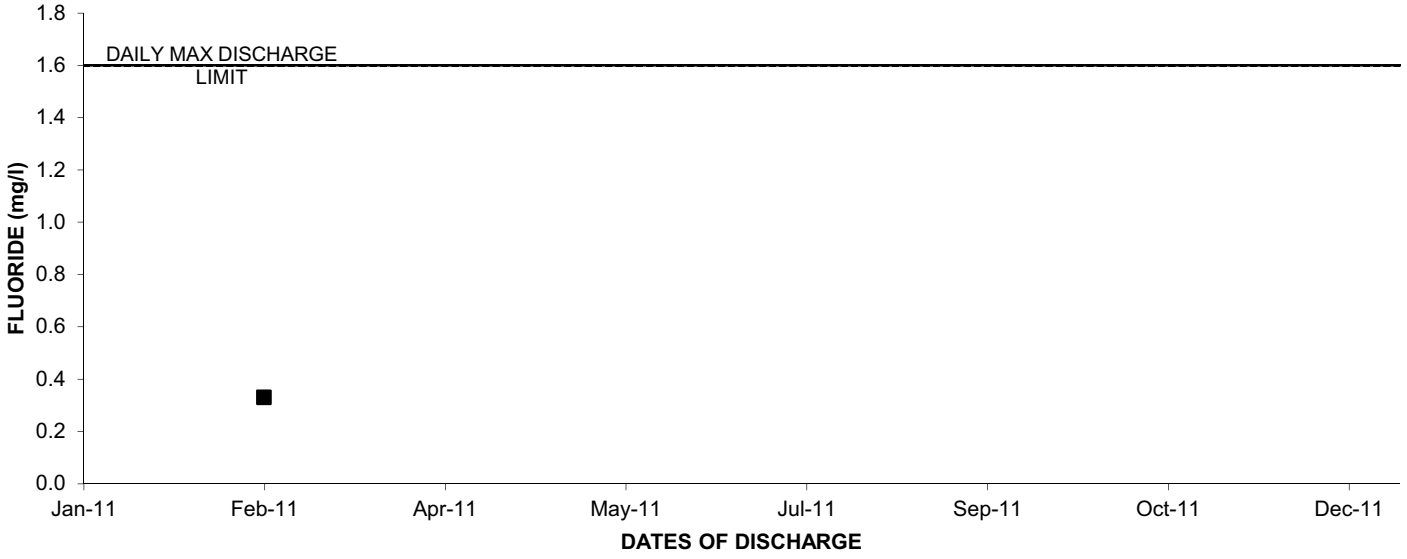
2011: OUTFALL 002 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



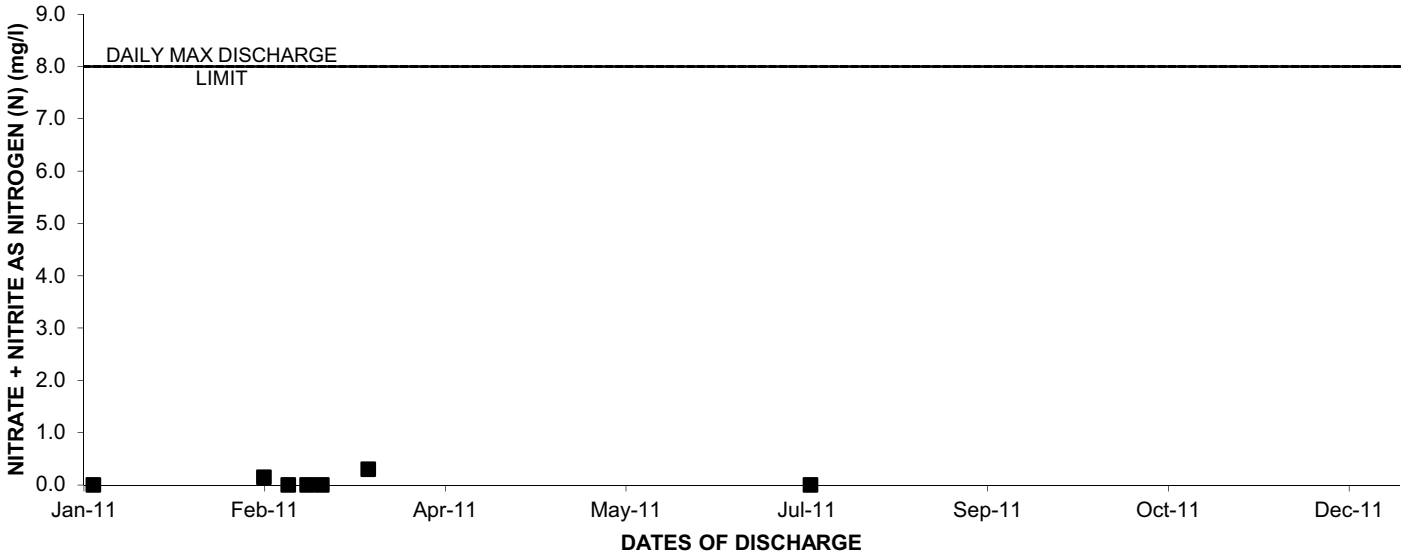
2011: OUTFALL 002 CHLORIDE



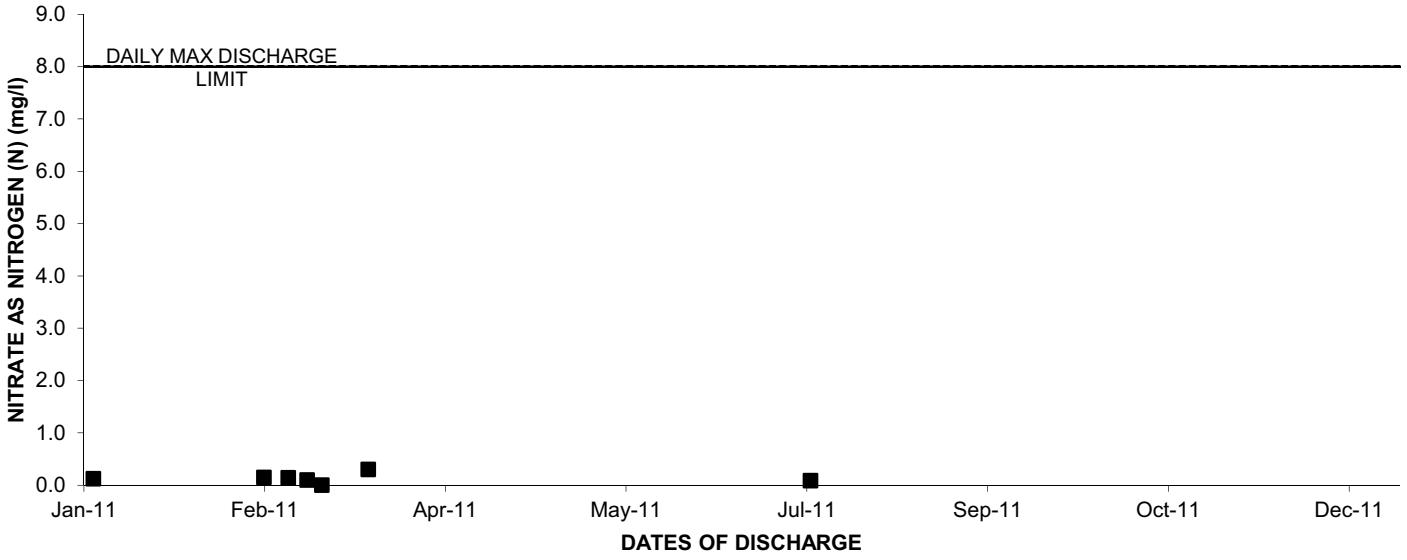
2011: OUTFALL 002 FLUORIDE



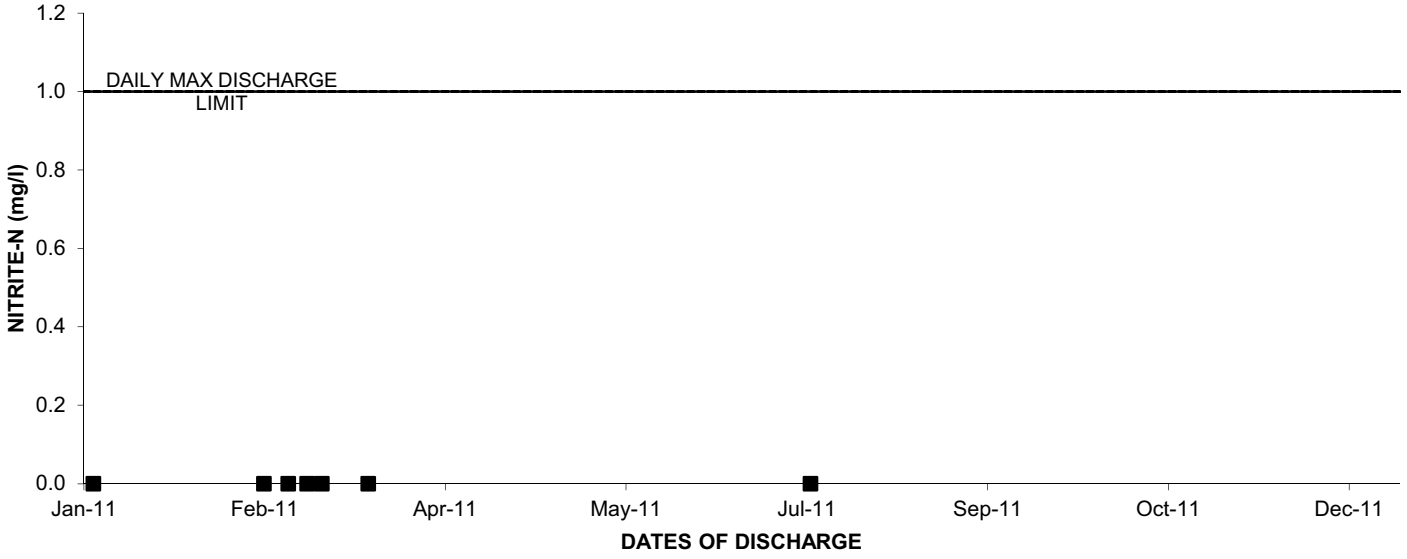
2011: OUTFALL 002 NITRATE + NITRITE AS NITROGEN (N)



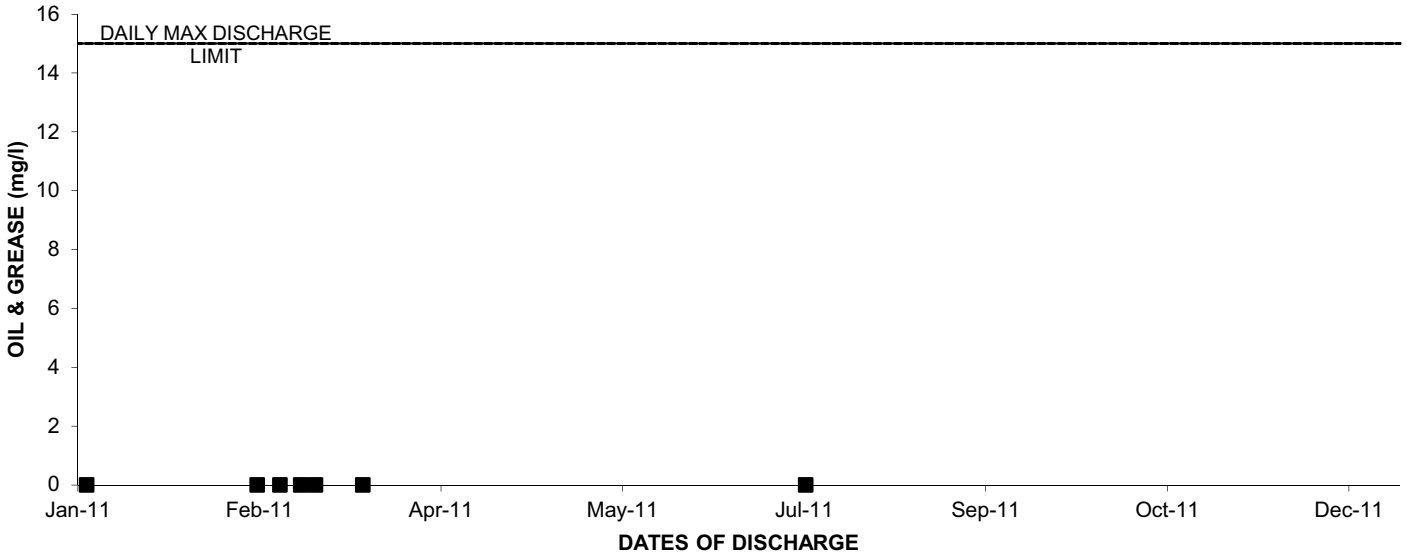
2011: OUTFALL 002 NITRATE AS NITROGEN (N)



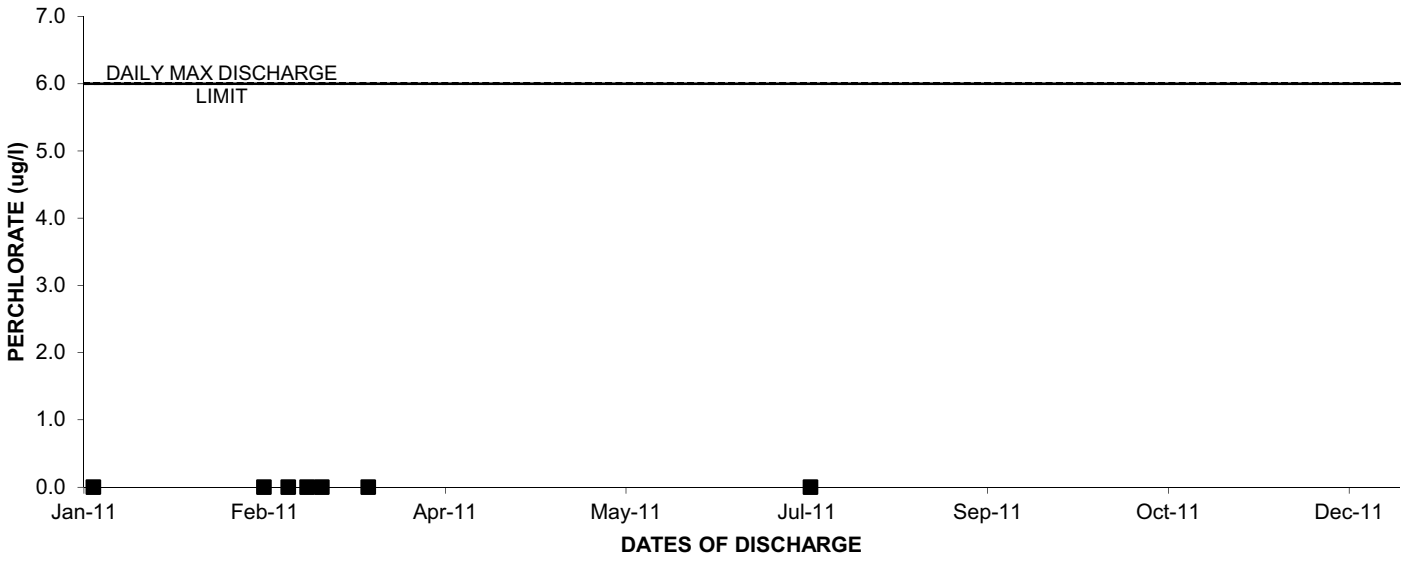
2011: OUTFALL 002 NITRITE-N



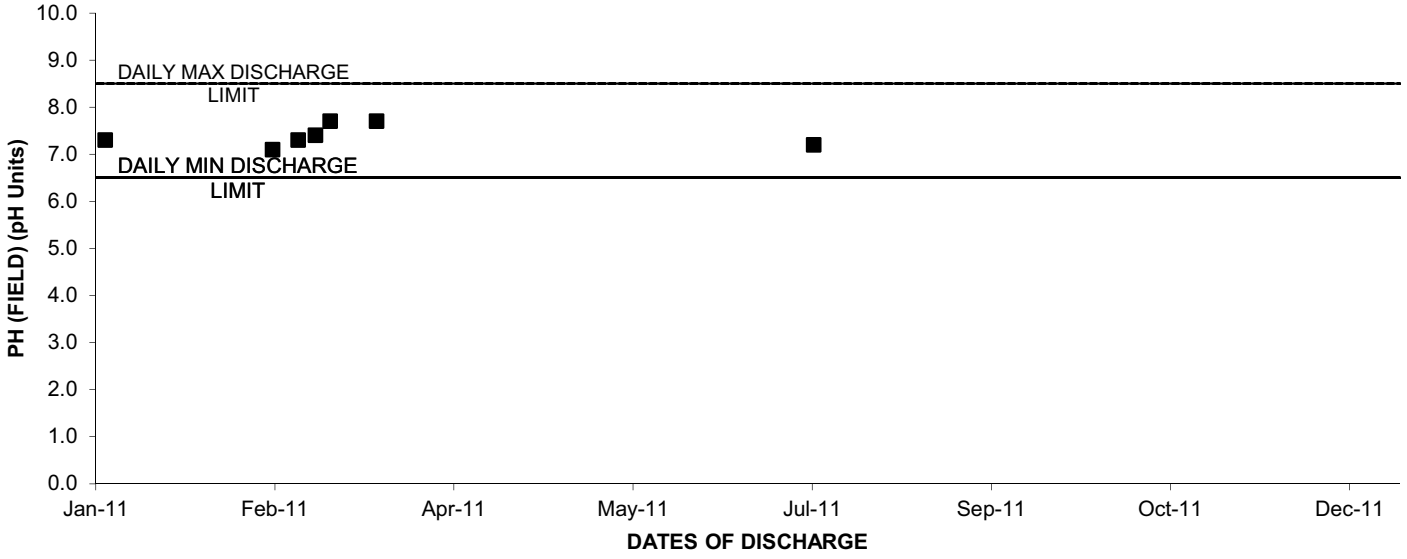
2011: OUTFALL 002 OIL & GREASE



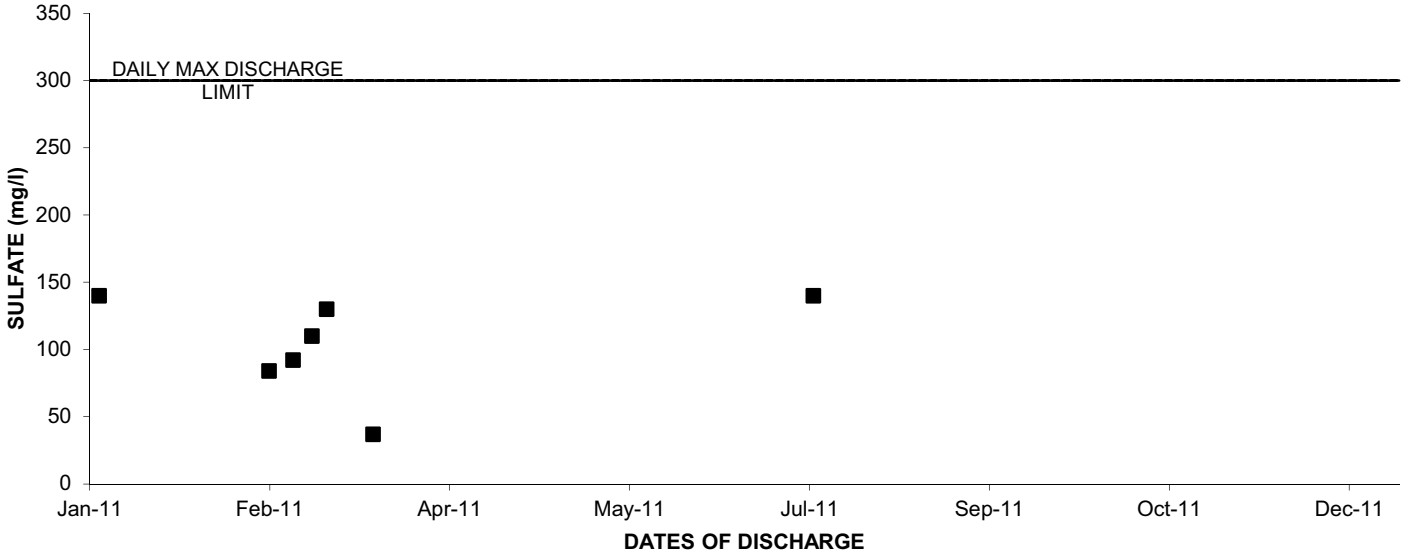
2011: OUTFALL 002 PERCHLORATE



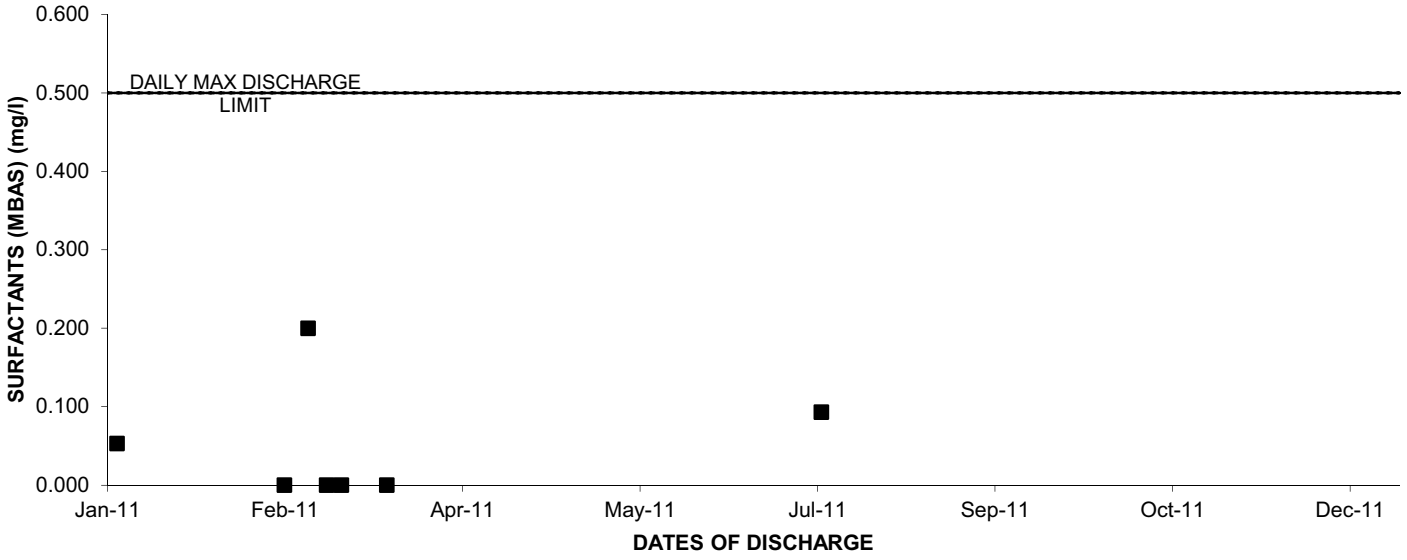
2011: OUTFALL 002 PH (FIELD)



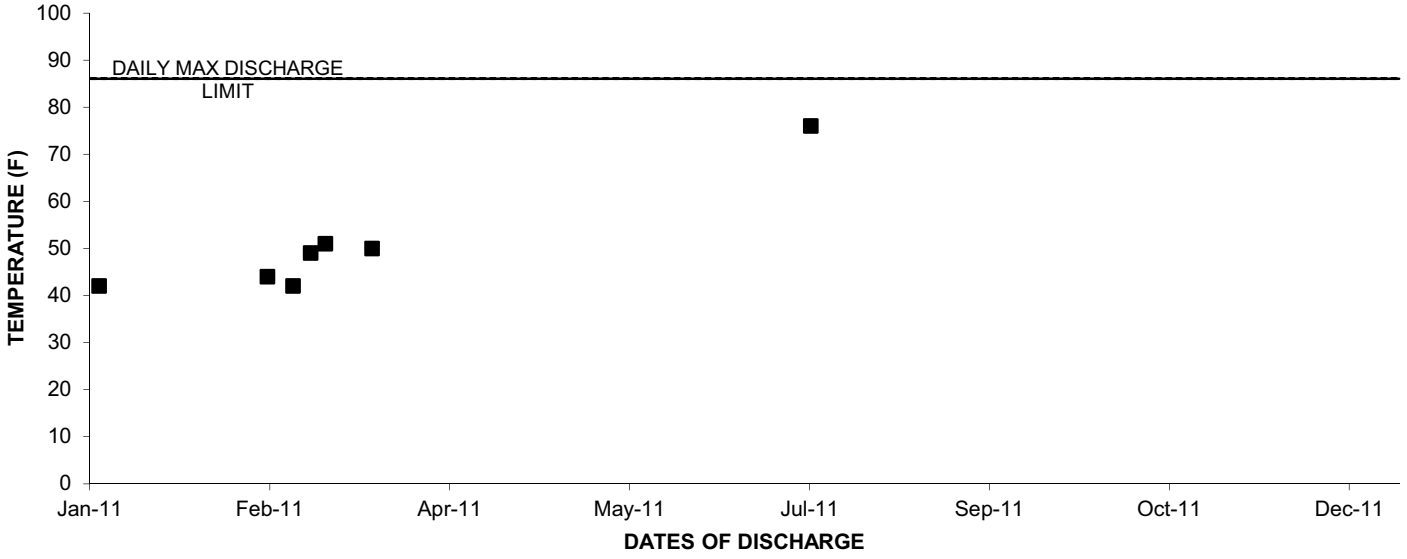
2011: OUTFALL 002 SULFATE



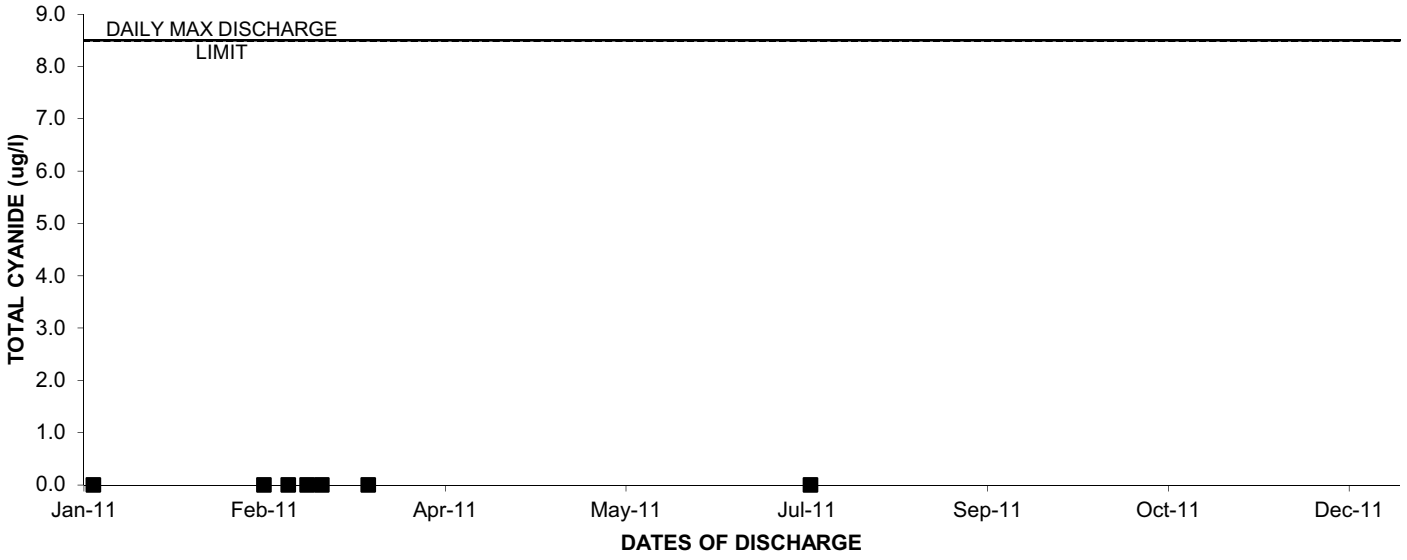
2011: OUTFALL 002 SURFACTANTS (MBAS)



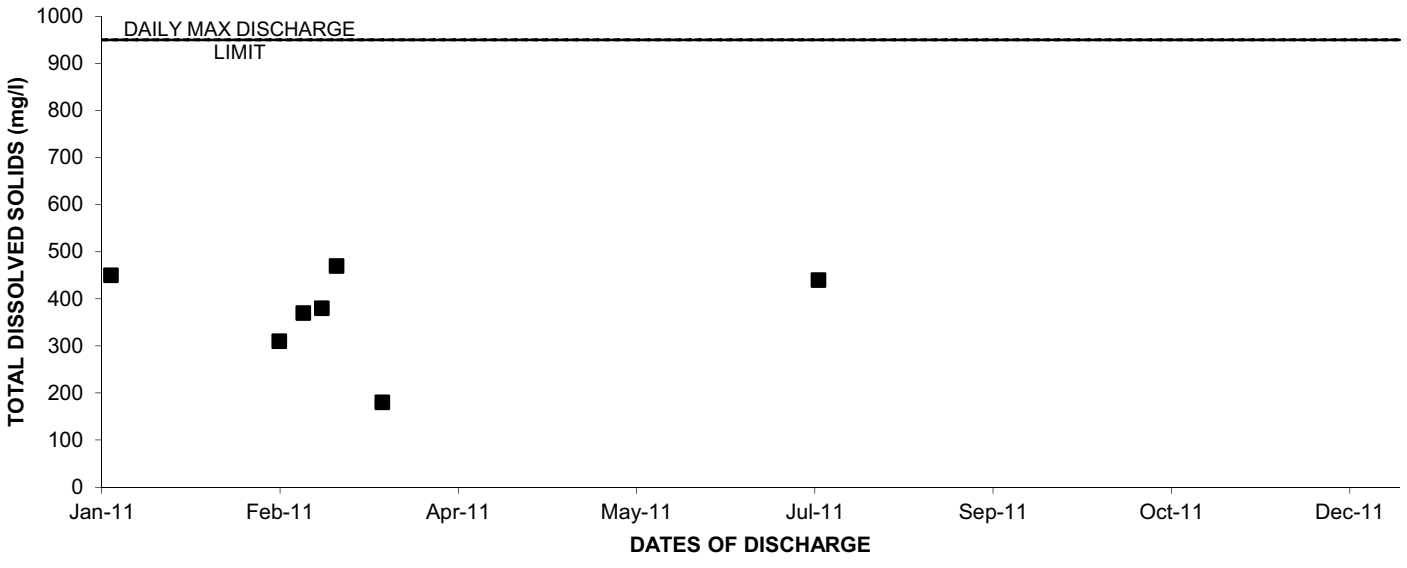
2011: OUTFALL 002 TEMPERATURE



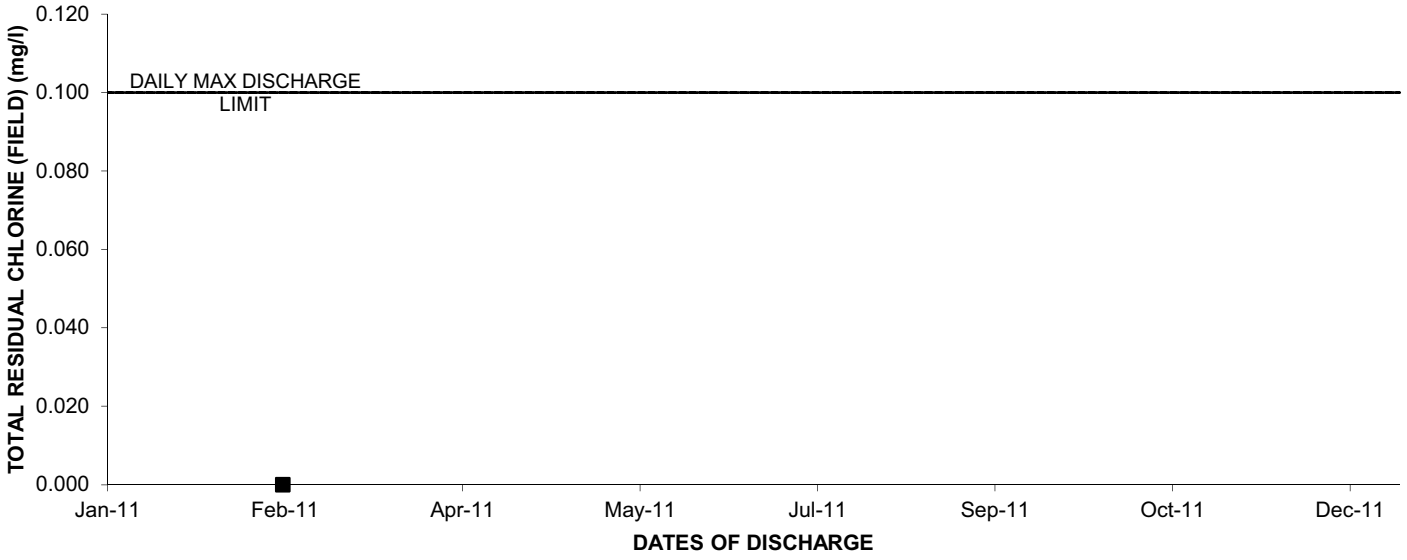
2011: OUTFALL 002 TOTAL CYANIDE



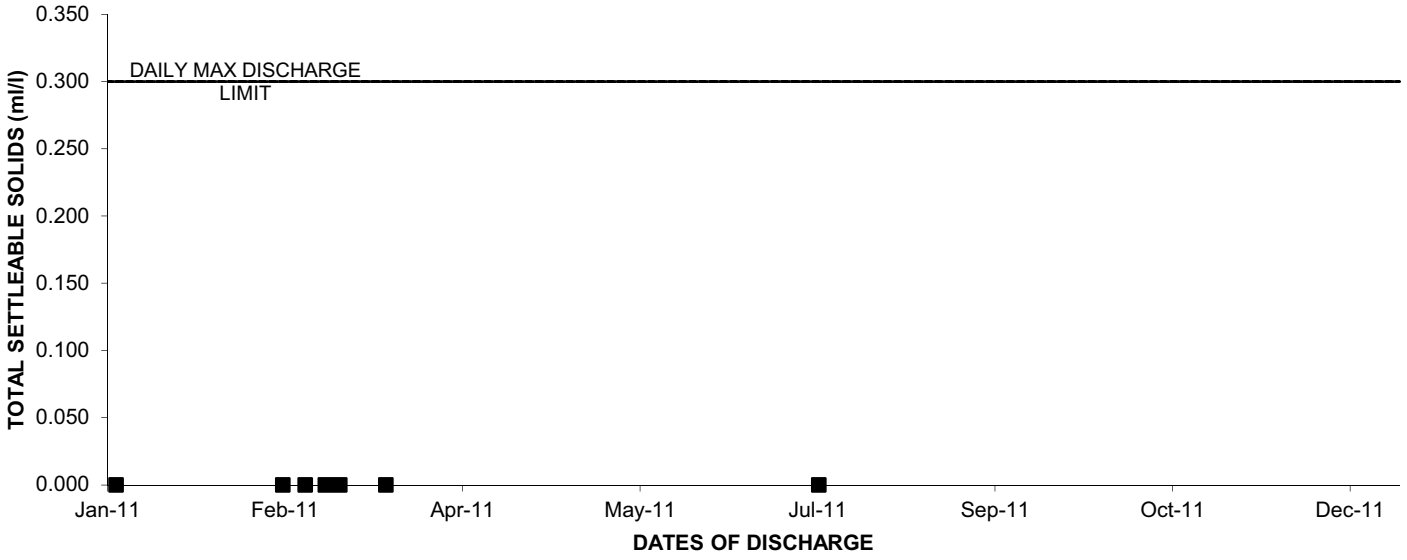
2011: OUTFALL 002 TOTAL DISSOLVED SOLIDS



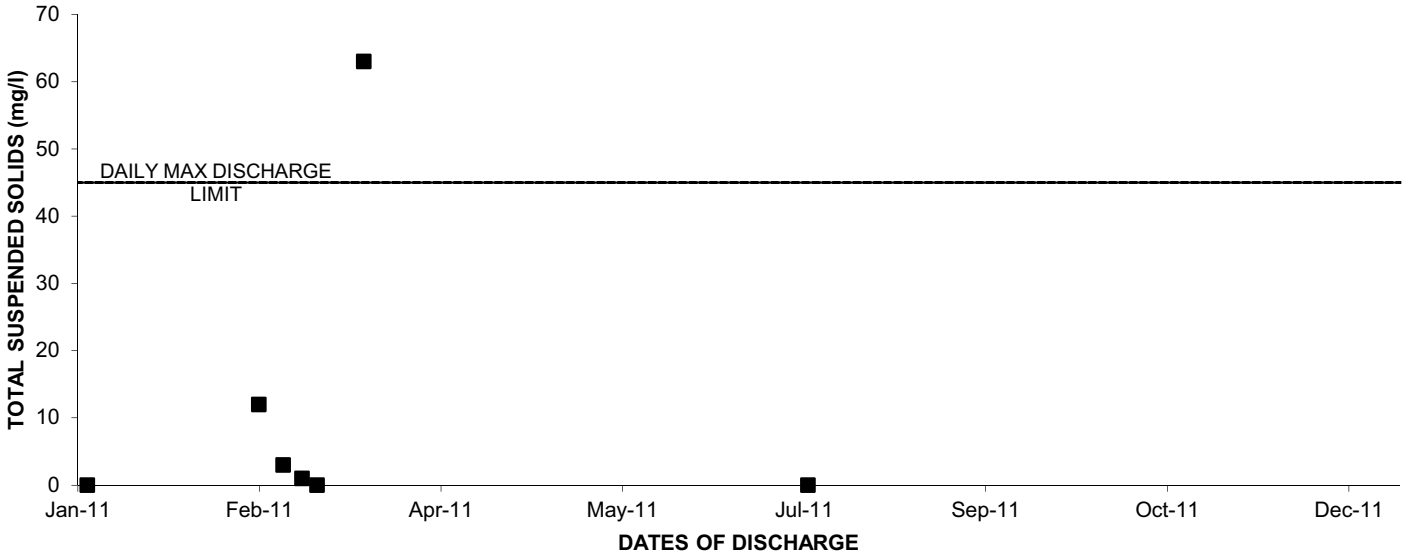
2011: OUTFALL 002 TOTAL RESIDUAL CHLORINE (FIELD)



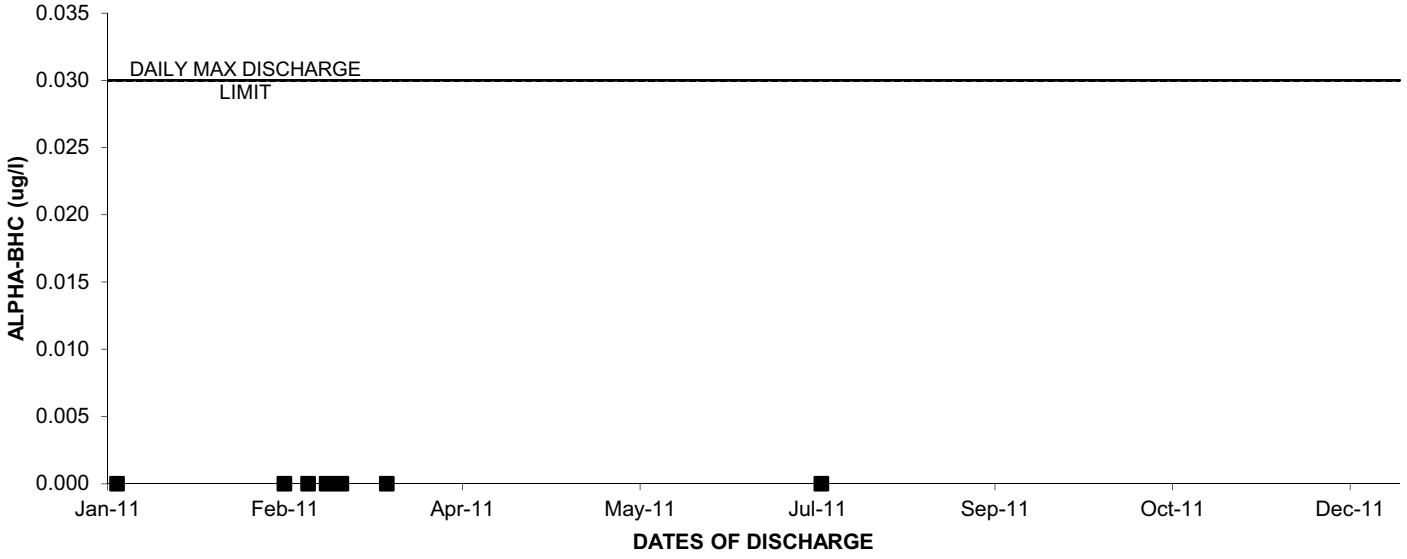
2011: OUTFALL 002 TOTAL SETTLEABLE SOLIDS



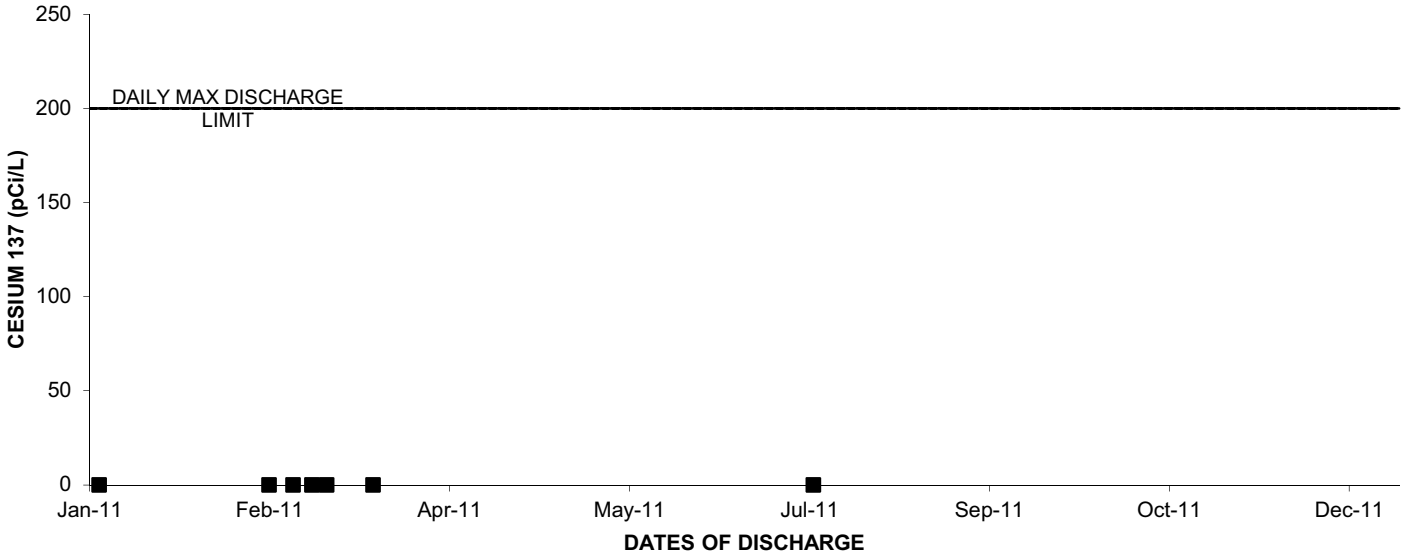
2011: OUTFALL 002 TOTAL SUSPENDED SOLIDS



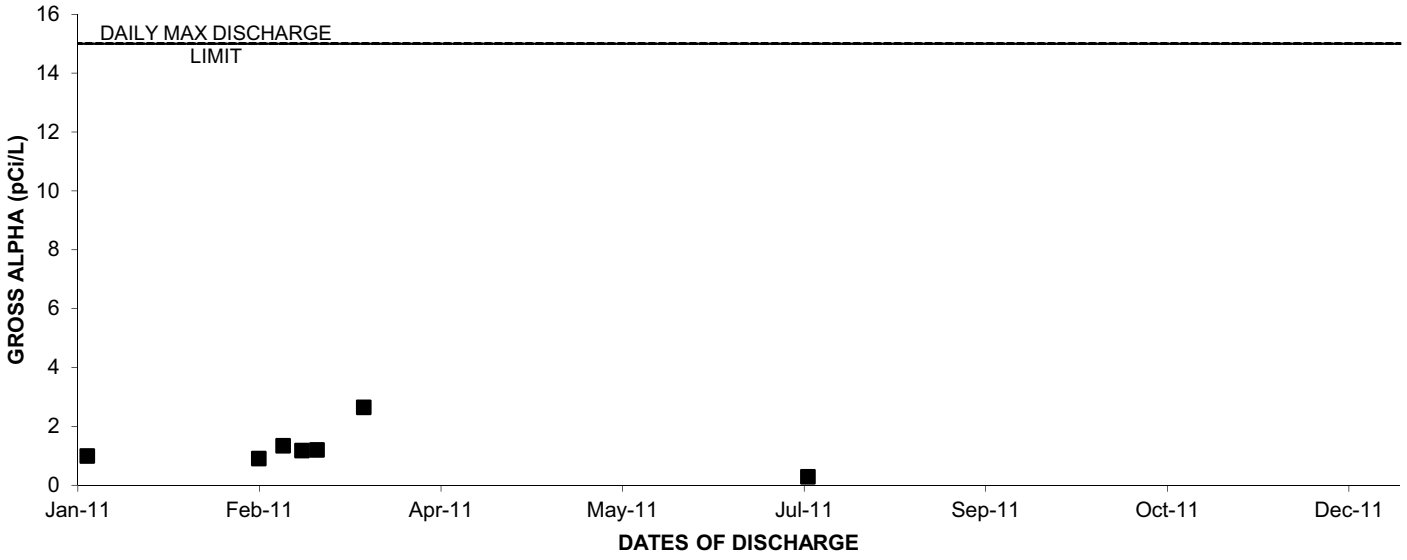
2011: OUTFALL 002 ALPHA-BHC



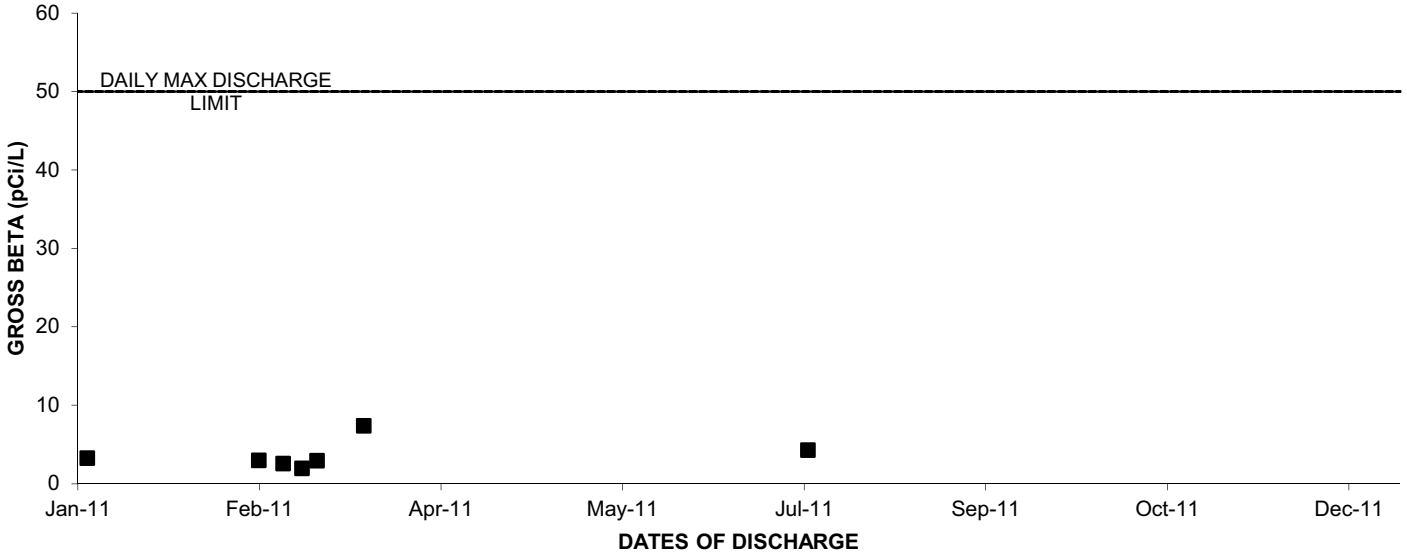
2011: OUTFALL 002 CESIUM 137



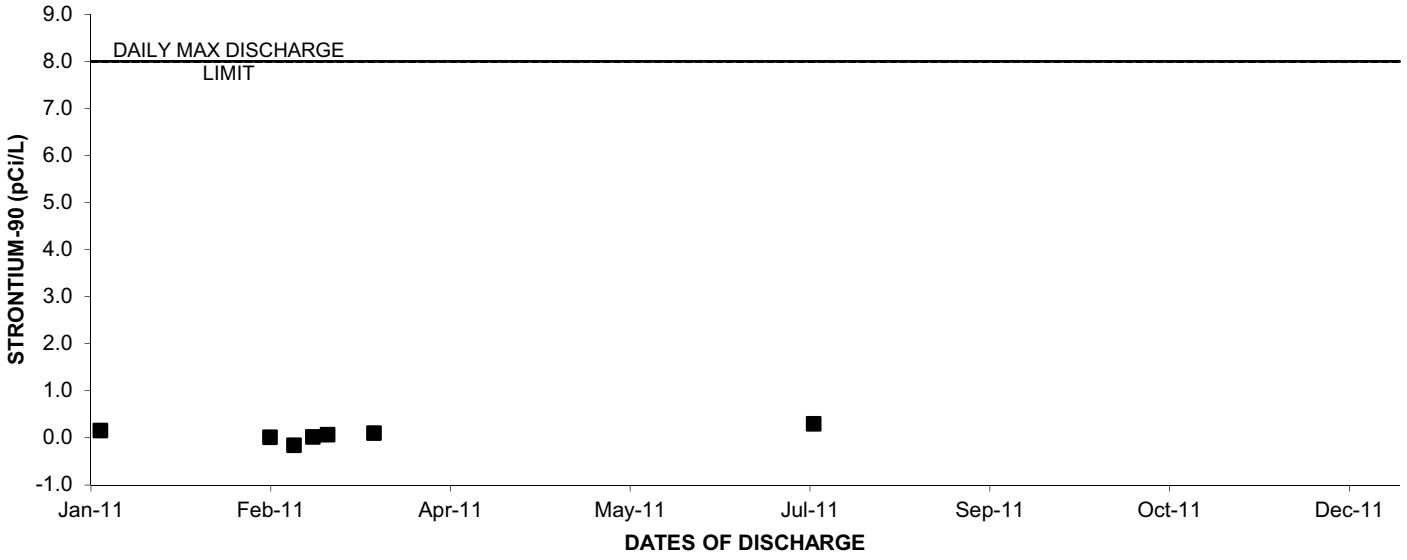
2011: OUTFALL 002 GROSS ALPHA



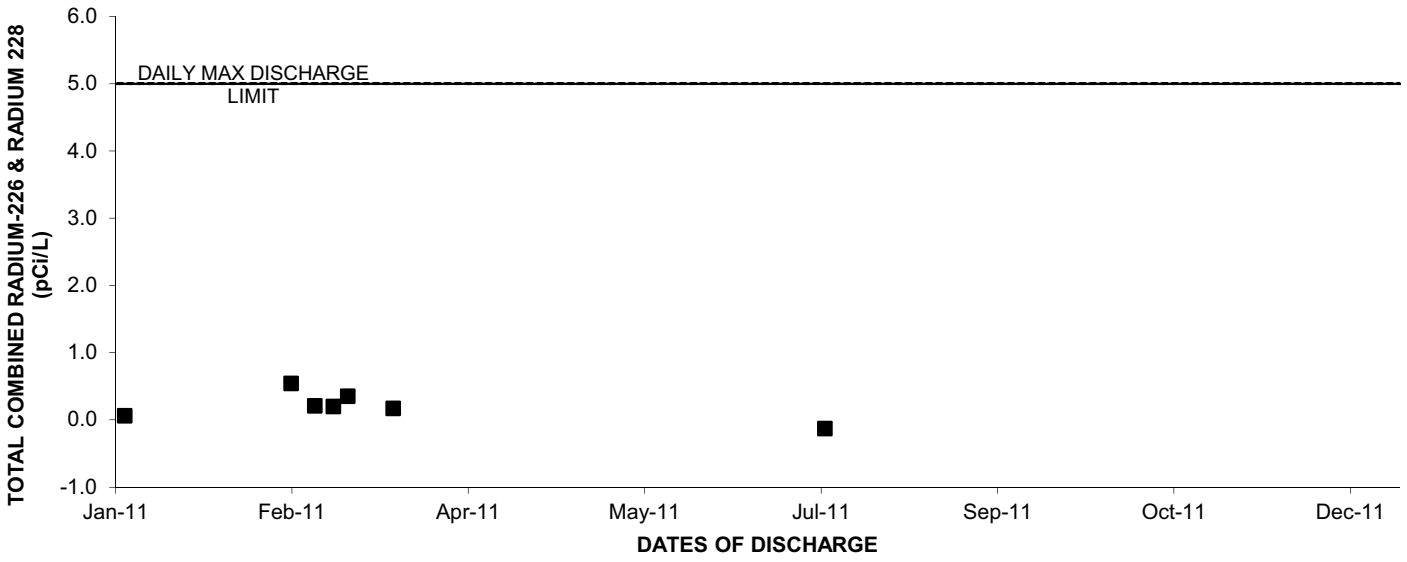
2011: OUTFALL 002 GROSS BETA



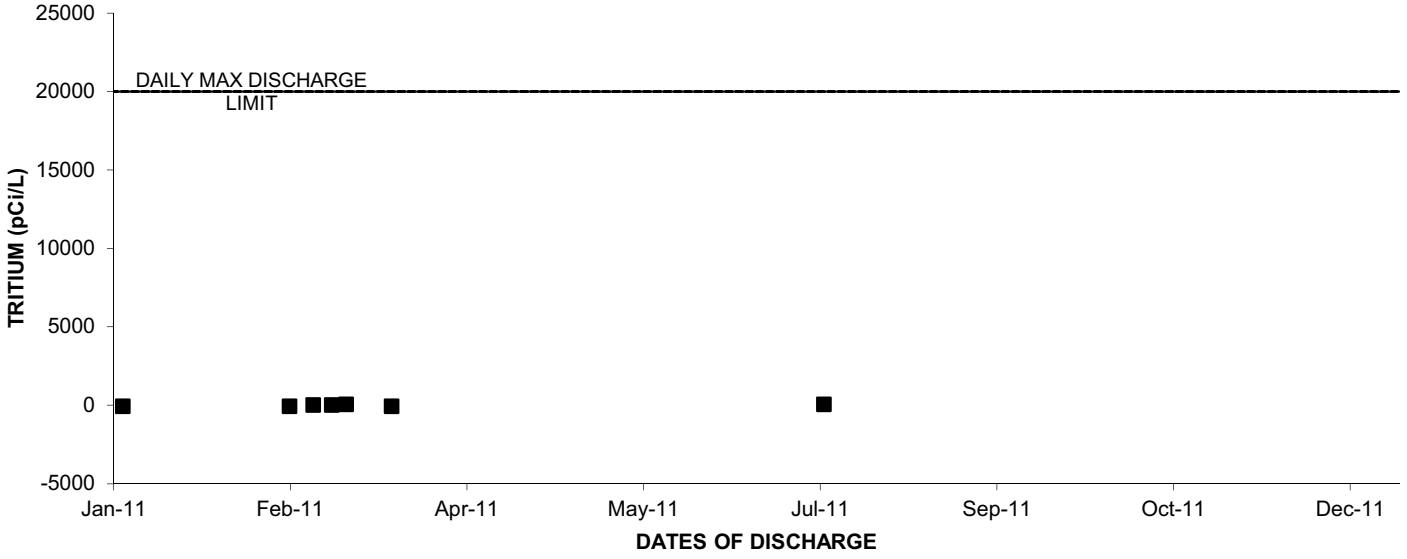
2011: OUTFALL 002 STRONTIUM-90



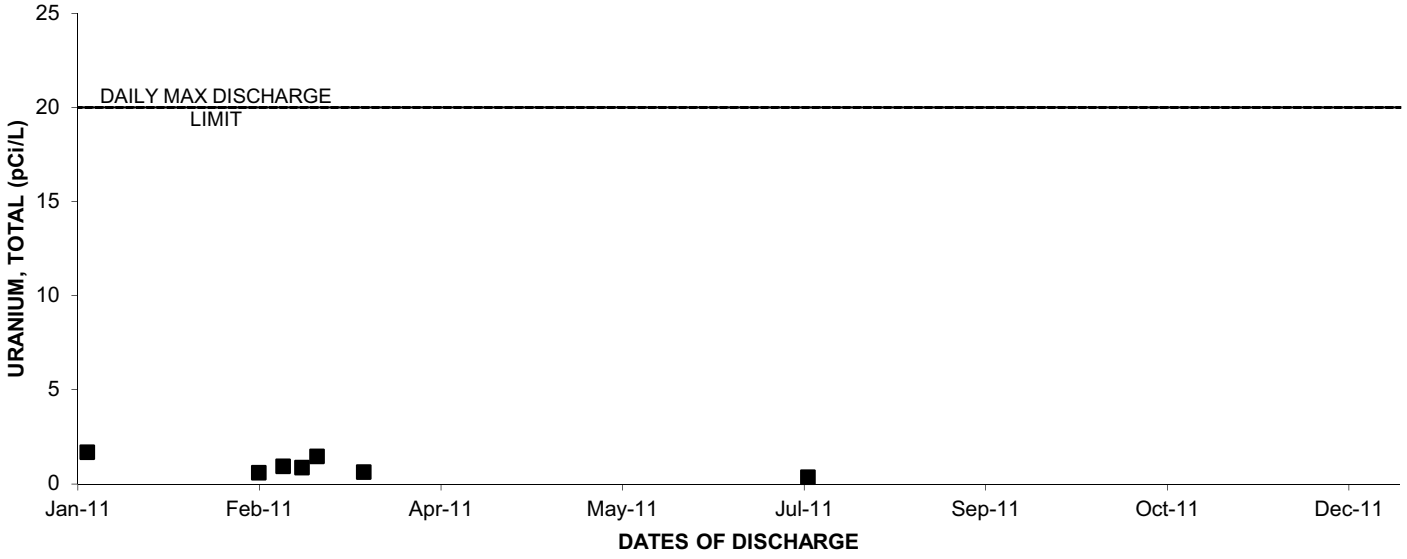
2011: OUTFALL 002 TOTAL COMBINED RADIUM-226 & RADIUM 228



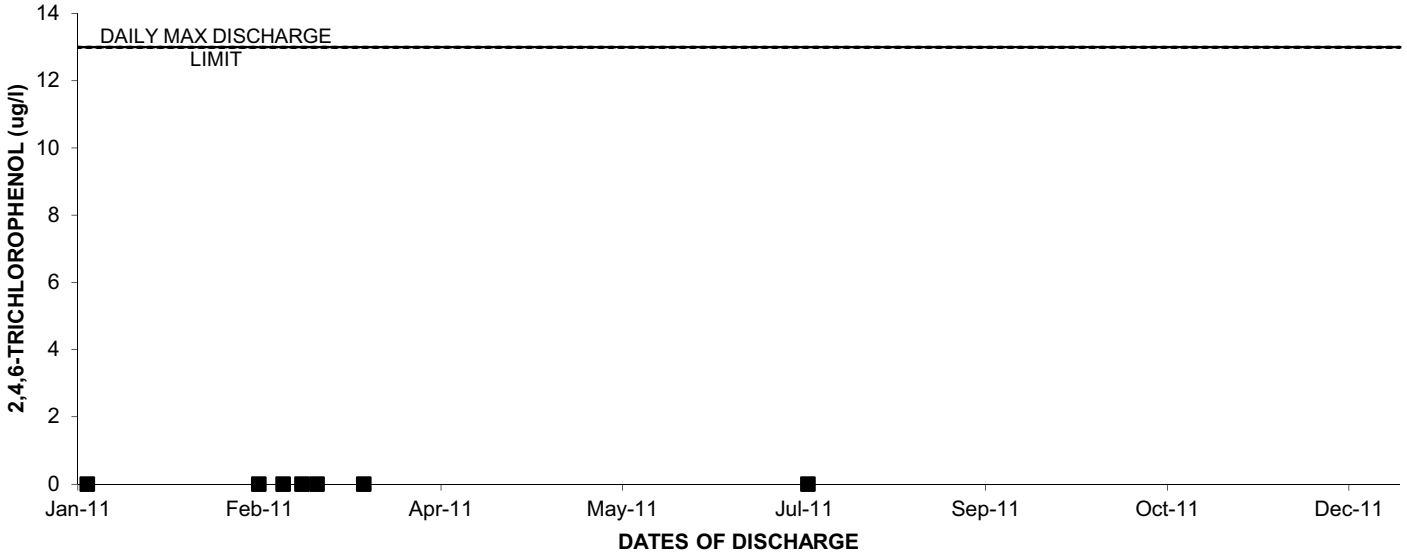
2011: OUTFALL 002 TRITIUM



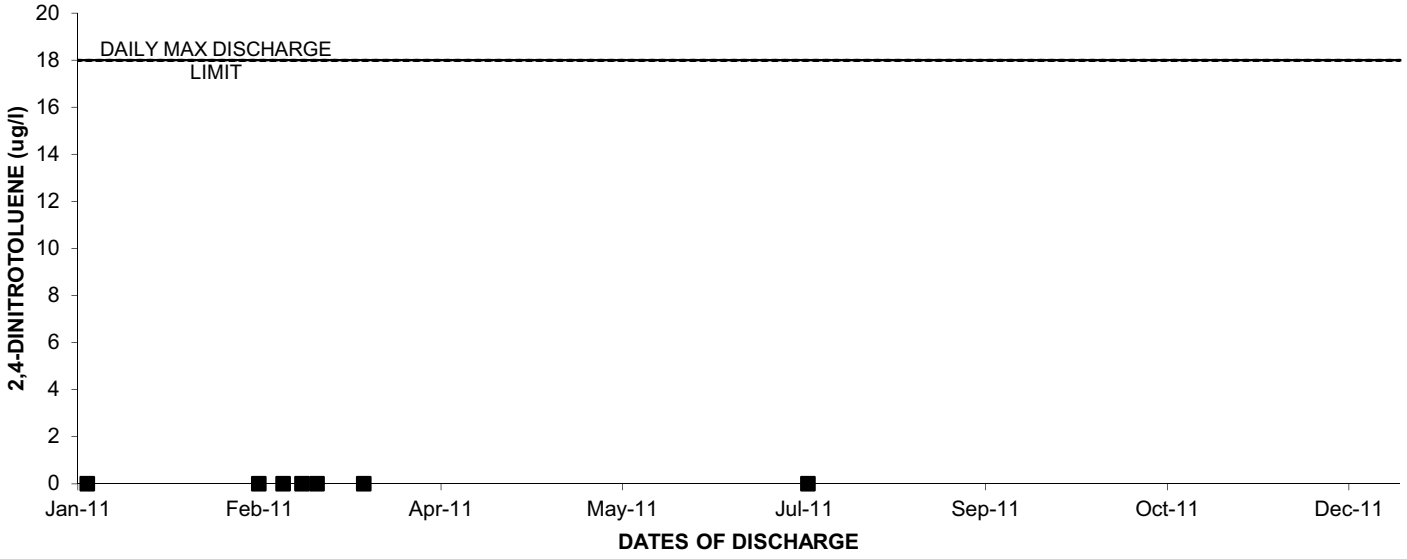
2011: OUTFALL 002 URANIUM, TOTAL



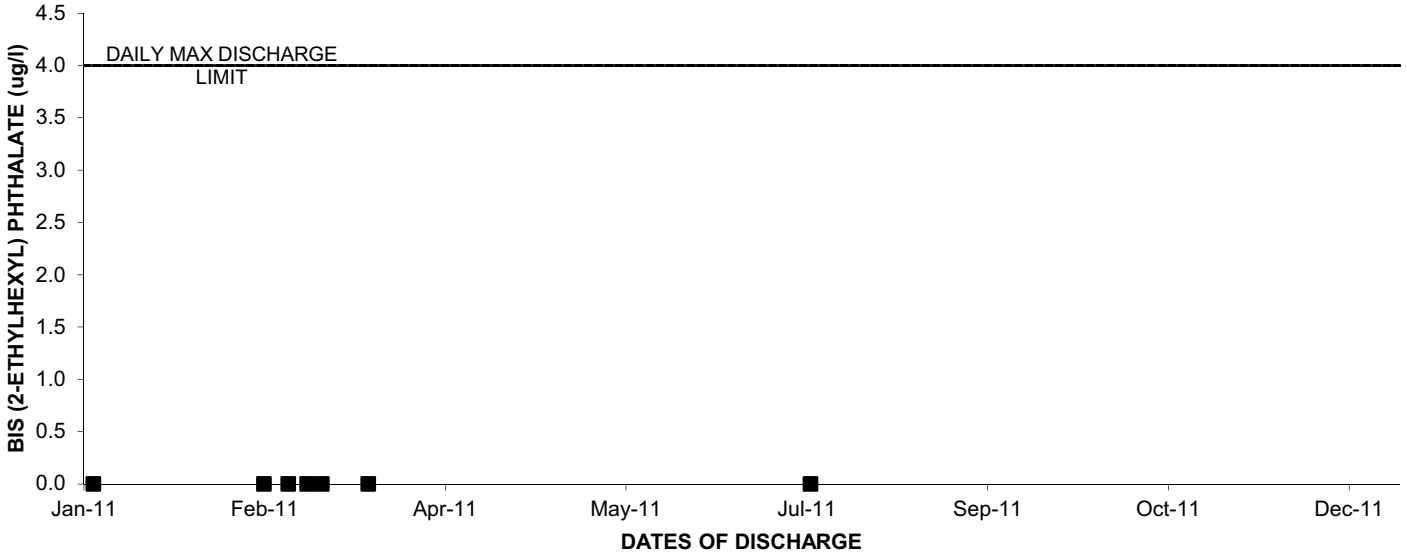
2011: OUTFALL 002 2,4,6-TRICHLOROPHENOL



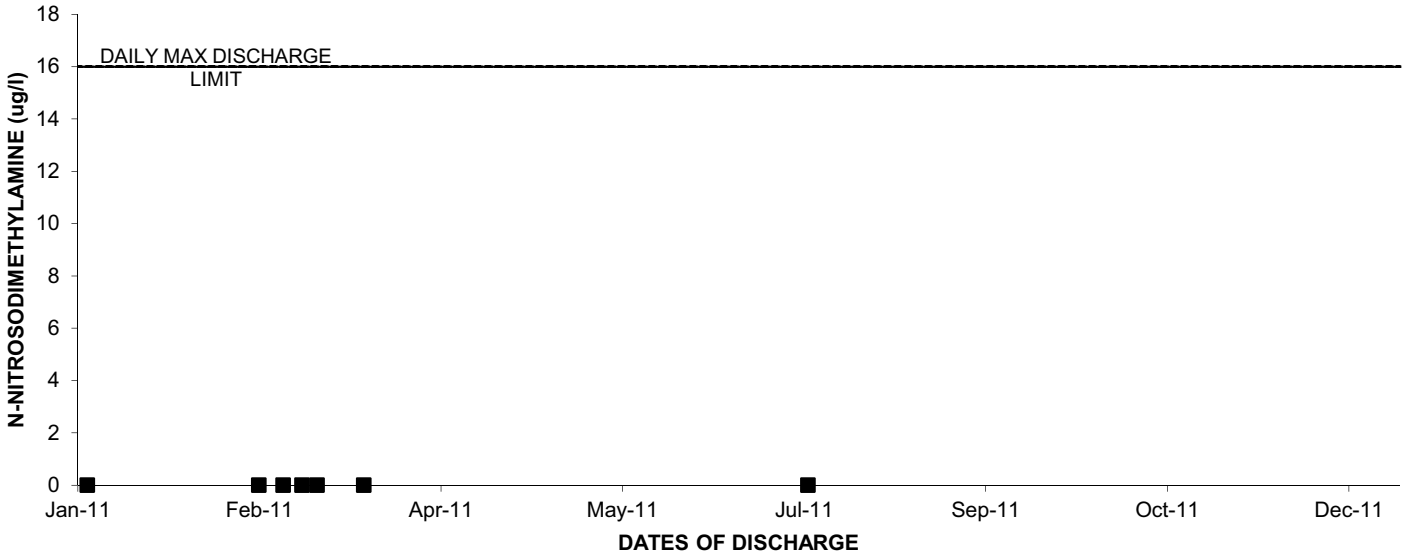
2011: OUTFALL 002 2,4-DINITROTOLUENE



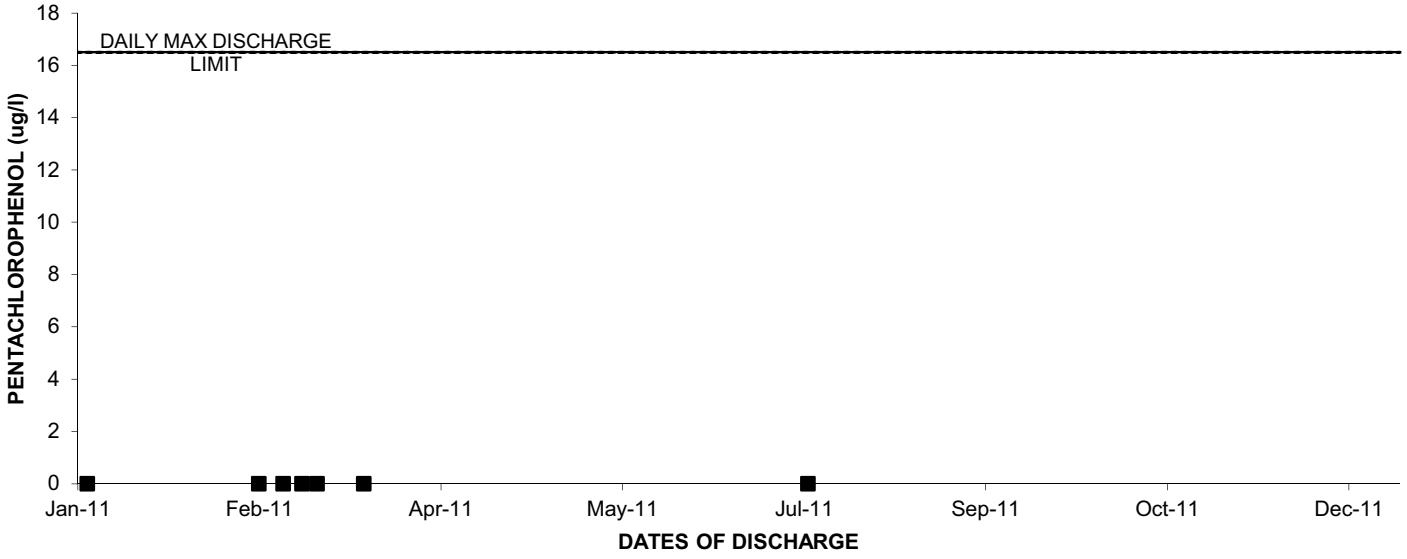
2011: OUTFALL 002 BIS (2-ETHYLHEXYL) PHTHALATE



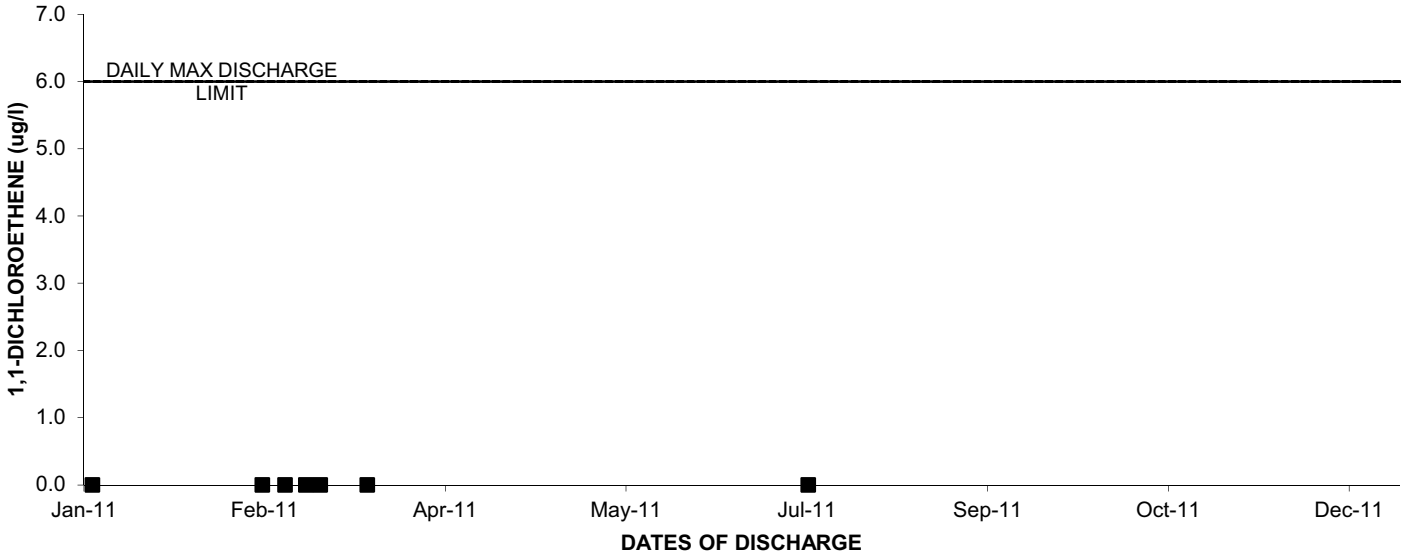
2011: OUTFALL 002 N-NITROSODIMETHYLAMINE



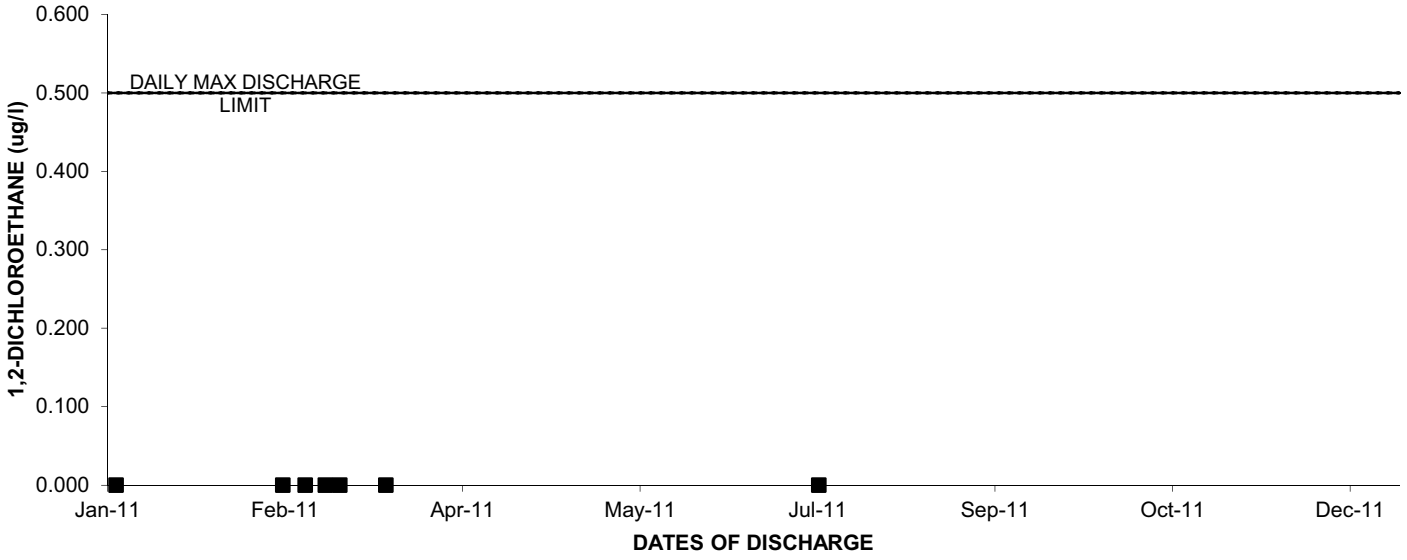
2011: OUTFALL 002 PENTACHLOROPHENOL

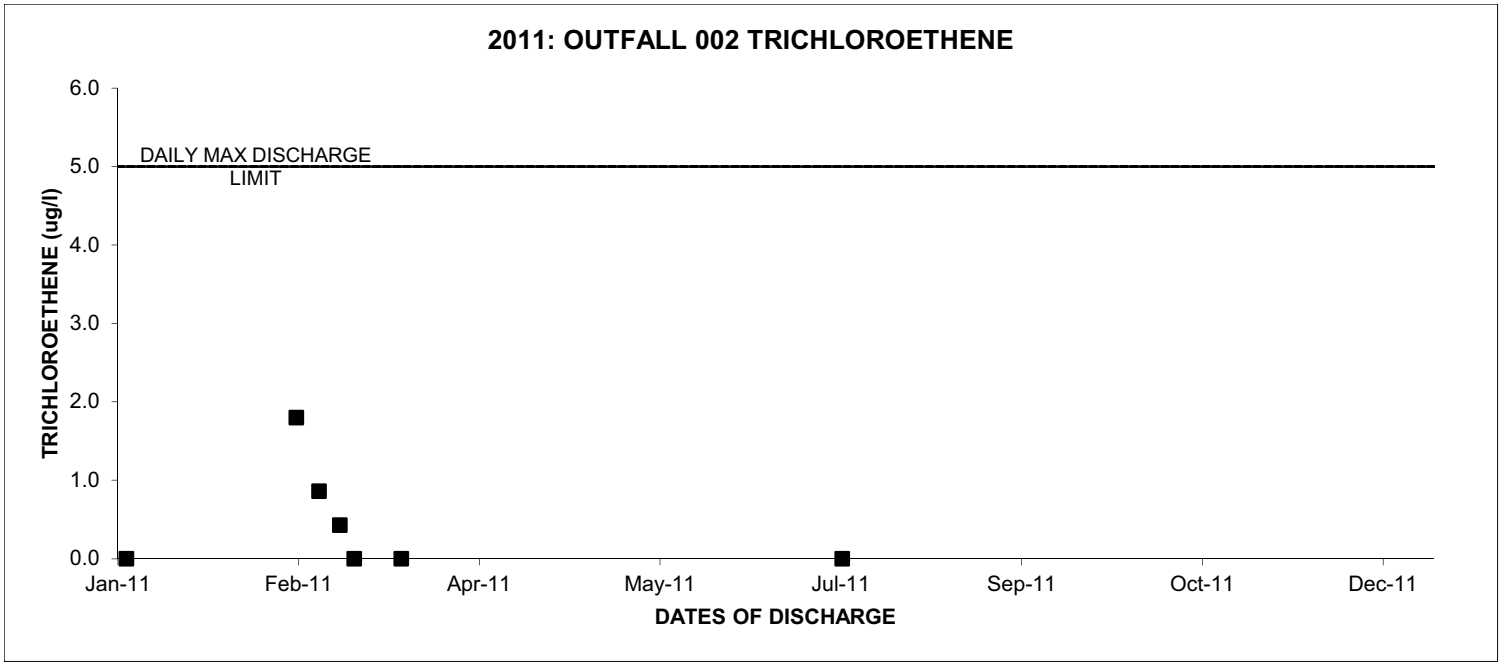


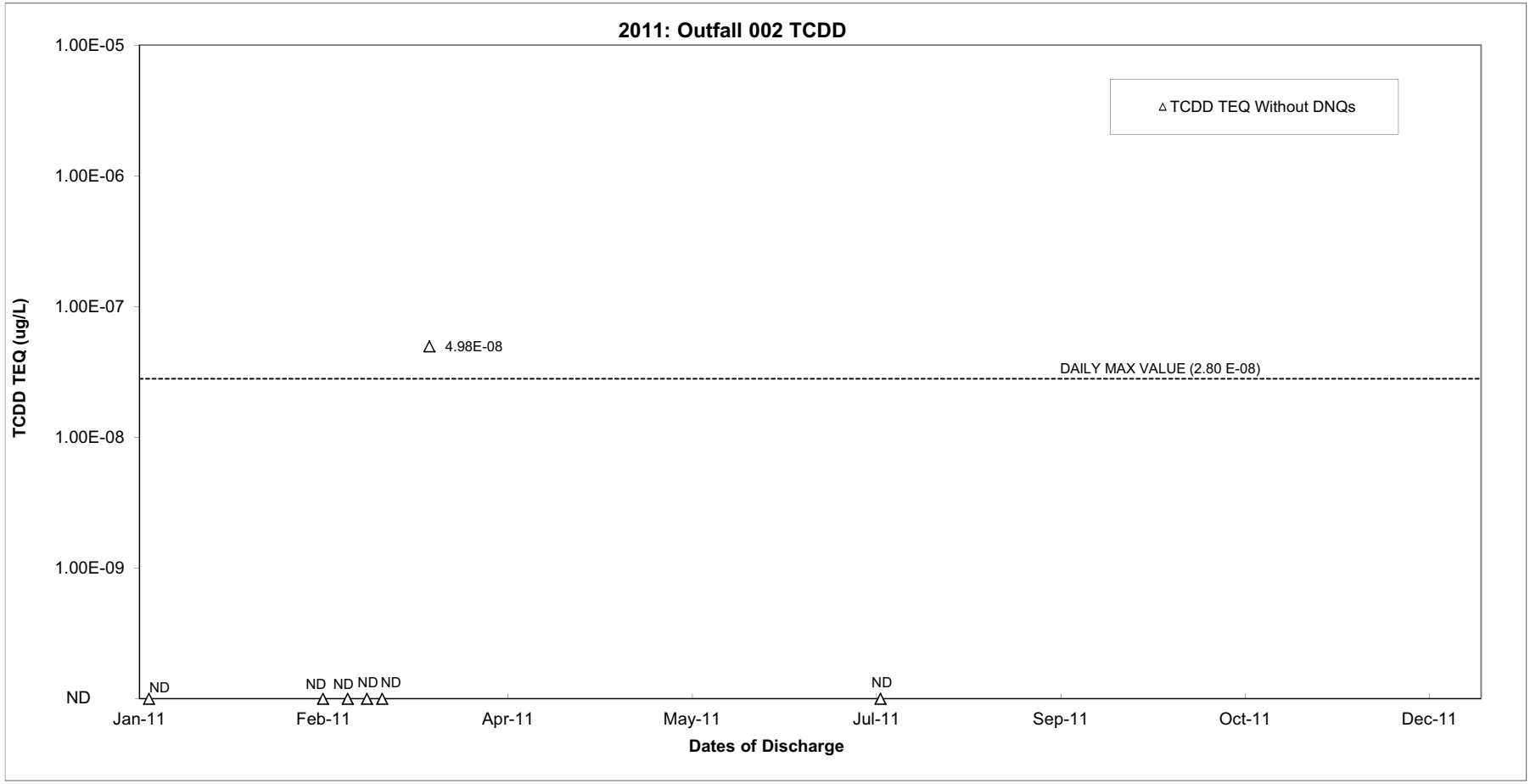
2011: OUTFALL 002 1,1-DICHLOROETHENE



2011: OUTFALL 002 1,2-DICHLOROETHANE




2011: OUTFALL 002 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 002 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
4.98E-08
DAILY MAX VALUE (2.80 E-08)
ND
ND ND ND ND
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 3

OUTFALL 006 (FSDF-2)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 006 (FSDF-2)

ANNUAL QUARTER 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloride	mg/L	150/-	Comp	7.5	*
E. Coli	MPN/100 ml	-/-	Grab	300	*
Fecal Coliform	MPN/100 ml	-/-	Grab	300	*
Fluoride	mg/L	1.6/-	Comp	0.21	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.81	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	3.8	*
Temperature	deg. F	86/-	Grab	46	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	140	*
Hardness	mg/L	-/-	Comp	54	--
Hardness, dissolved	mg/L	-/-	Comp	47	--
Total Suspended Solids	mg/L	-/-	Comp	37	--
Volume Discharged	MGD	17.8/-	Meas	0.00583	*
METALS					
Aluminum	ug/L	-/-	Comp	3900	--
Aluminum, dissolved	ug/L	-/-	Comp	55	--
Antimony	ug/L	6.0/-	Comp	0.39	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*
Arsenic	ug/L	-/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	Comp	0.025	J (DNQ)
Boron, dissolved	mg/L	-/-	Comp	0.028	J (DNQ)
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	18	--
Calcium, Dissolved	mg/L	-/-	Comp	16	--
Chromium	ug/L	-/-	Comp	5.2	--
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	Grab	ND < 0.250	*
Copper	ug/L	14/-	Comp	4.34	*
Copper, dissolved	ug/L	-/-	Comp	1.92	J* (DNQ)
Iron	mg/L	-/-	Comp	3.3	--
Iron, dissolved	mg/L	-/-	Comp	0.037	J (DNQ)
Lead	ug/L	5.2/-	Comp	2.3	*
Lead, dissolved	ug/L	-/-	Comp	0.27	J* (DNQ)

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 006 (FSDF-2)

ANNUAL QUARTER 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Magnesium	mg/L	-/-	Comp	2.4	--
Magnesium, Dissolved	mg/L	-/-	Comp	1.5	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	Comp	3.3	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Selenium	ug/L	-/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	-/-	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	8.2	J (DNQ)
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	-/-	Comp	15	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.0	U
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	-/-	Grab	ND < 0.42	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	-/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Vinyl chloride	ug/L	-/-	Grab	ND < 0.40	*
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 2.36	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.83	*
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 2.36	*
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.83	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 006 (FSDF-2)

ANNUAL QUARTER 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.36	*
2,4,6-Trichlorophenol	ug/L	-/-	Comp	ND < 4.25	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 3.30	*
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 3.30	*
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 7.55	*
2,4-Dinitrotoluene	ug/L	-/-	Comp	ND < 3.30	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 1.89	*
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 2.83	*
2-Chlorophenol	ug/L	-/-	Comp	ND < 2.83	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 3.77	*
2-Nitrophenol	ug/L	-/-	Comp	ND < 3.30	*
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 7.08	*
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	C*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	C*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 2.83	*
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 2.36	*
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 2.36	*
4-Nitrophenol	ug/L	-/-	Comp	ND < 5.19	*
Acenaphthene	ug/L	-/-	Comp	ND < 2.83	*
Acenaphthylene	ug/L	-/-	Comp	ND < 2.83	*
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	--
Aldrin	ug/L	-/-	Comp	ND < 0.0014	C*
alpha-BHC	ug/L	-/-	Comp	ND < 0.0024	C*
Anthracene	ug/L	-/-	Comp	ND < 2.36	*
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 9.43	L6*
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 2.36	*
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 2.83	*
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 1.89	*
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 3.77	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 006 (FSDF-2)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 2.36	*
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 2.83	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	Comp	ND < 3.77	*
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 2.83	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 2.36	*
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 3.77	*
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chlorpyrifos	ug/L	-/-	Comp	ND < 0.010	U
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 2.36	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	C*
Diazinon	ug/L	-/-	Comp	ND < 0.10	U
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 2.83	*
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	C*
Diethylphthalate	ug/L	-/-	Comp	ND < 3.30	*
Dimethylphthalate	ug/L	-/-	Comp	ND < 2.36	*
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 2.83	*
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 3.30	*
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	C*
Endrin	ug/L	-/-	Comp	ND < 0.0019	C*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 2.83	*
Fluorene	ug/L	-/-	Comp	ND < 2.83	*
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	C*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 2.83	*
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 3.77	*
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 4.72	*
Hexachloroethane	ug/L	-/-	Comp	ND < 3.30	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 3.30	*

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Isophorone	ug/L	-/-	Comp	ND < 2.83	*
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	C*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Naphthalene	ug/L	-/-	Comp	ND < 2.83	*
Nitrobenzene	ug/L	-/-	Comp	ND < 2.83	*
n-Nitrosodimethylamine	ug/L	-/-	Comp	ND < 2.36	*
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 3.30	*
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 1.89	*
Pentachlorophenol	ug/L	-/-	Comp	ND < 3.30	*
Phenanthrene	ug/L	-/-	Comp	ND < 3.30	*
Phenol	ug/L	-/-	Comp	ND < 1.89	*
Pyrene	ug/L	-/-	Comp	ND < 3.77	*
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*

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OUTFALL 006 (FSDF-2)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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Sample Type Composite
Sample Date March 21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	3.80E-06	5.00E-05	5.10E-05	--		0.01	0.05	**2.55E-08**
1,2,3,4,6,7,8-HpCDF	4.40E-06	5.70E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	6.50E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.70E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.70E-06	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.60E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.60E-06	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.40E-06	5.00E-05	2.50E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.20E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.20E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.80E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.60E-06	5.00E-05	1.30E-06	J (DNQ)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.30E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.60E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	9.30E-06	1.00E-04	5.90E-04	--		0.0001	0.01	**5.90E-10**
OCDF	3.80E-06	1.00E-04	ND	UJ (*III)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.61E-08**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 006 (FSDF-2)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/21/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	2.03 ± 0.52	0.423	J (C, DNQ)
Gross Beta	pCi/L	50/-	10.9 ± 0.81	0.856	--
Strontium-90	pCi/L	8.0/-	-0.24 ± 0.25	0.725	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.62 ± 0.85	1.41	U
Tritium	pCi/L	20000/-	-86.9 ± 97	168	U
Uranium, Total	pCi/L	20/-	0.354 ± 0.042	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 22.1	22.1	U
Cesium 137	pCi/L	200/-	ND < 1.61	1.61	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 006 (FSDF-2)

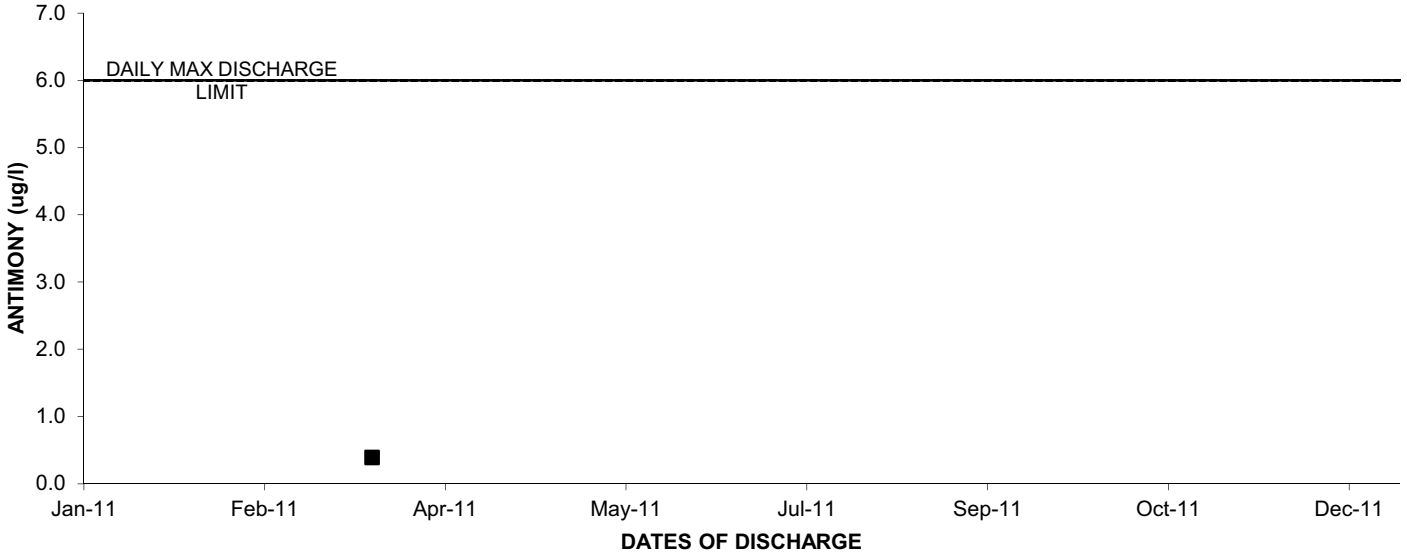
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

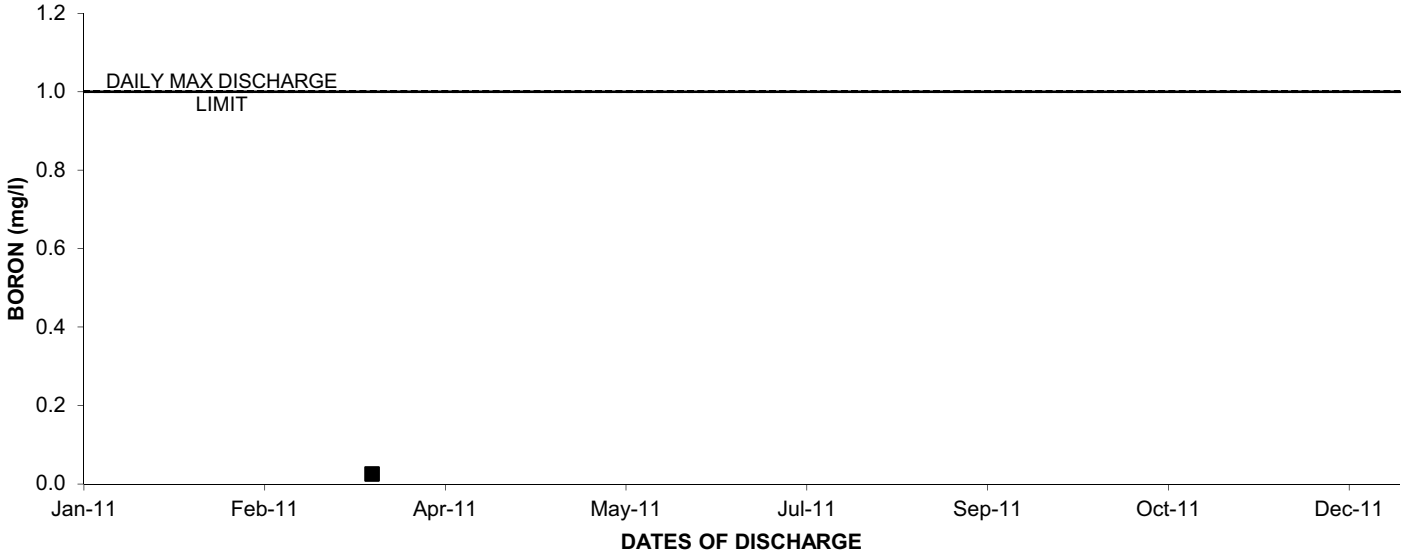
			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.163635	
Chloride	LBS/DAY	22,268/-	Comp	10.24	*
Fluoride	LBS/DAY	238/-	Comp	0.29	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	1.11	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	U
Sulfate	LBS/DAY	37,113/-	Comp	5.19	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	191.06	*
Antimony	LBS/DAY	0.89/-	Comp	0.00053	J* (DNQ)
Boron	LBS/DAY	148/-	Comp	0.03	J (DNQ)
Copper	LBS/DAY	2.1/-	Comp	0.01	*
Lead	LBS/DAY	0.77/-	Comp	0.003	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	Comp	0.005	J (DNQ)
Thallium	LBS/DAY	0.3/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	3.56E-11	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

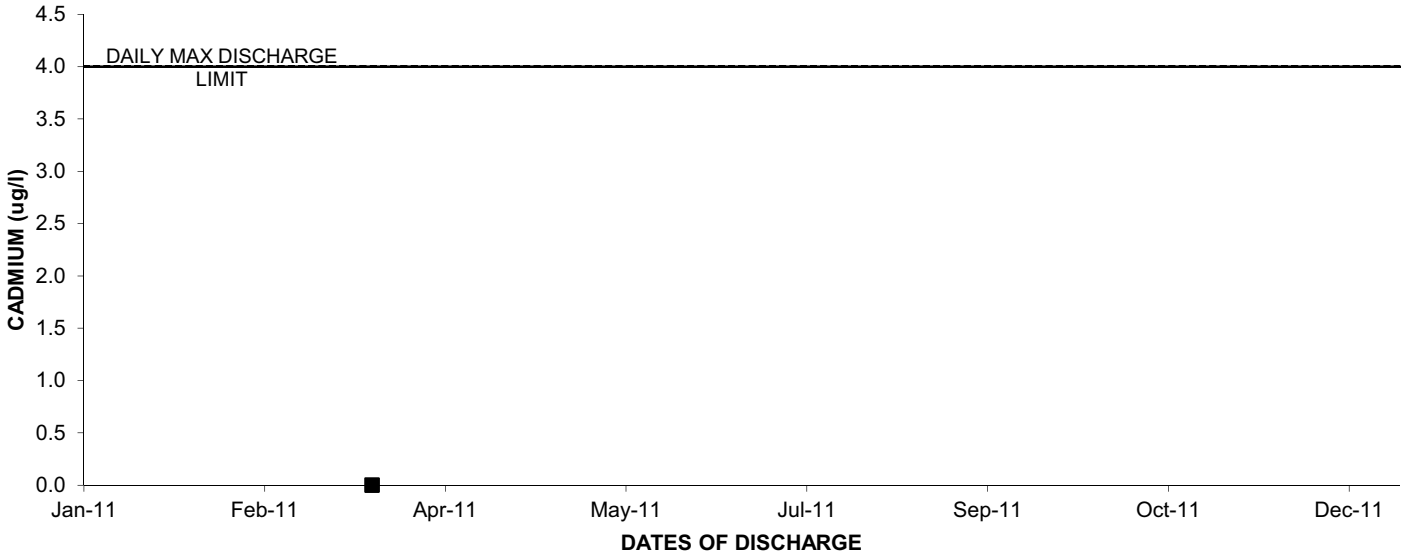
2011: OUTFALL 006 ANTIMONY



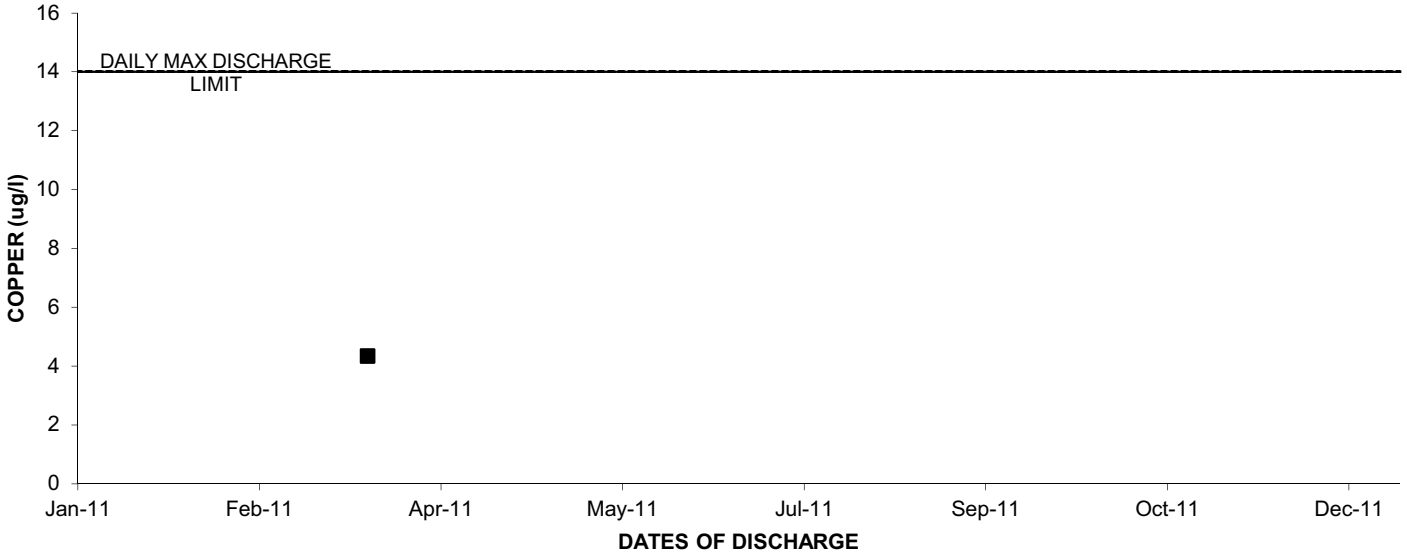
2011: OUTFALL 006 BORON



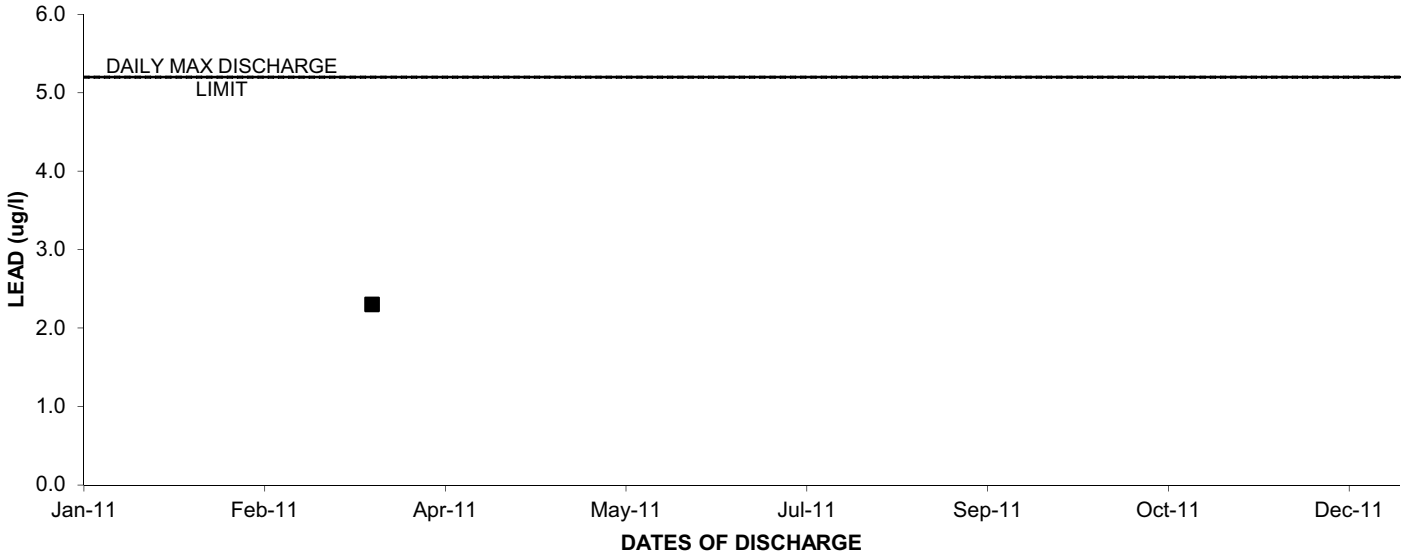
2011: OUTFALL 006 CADMIUM



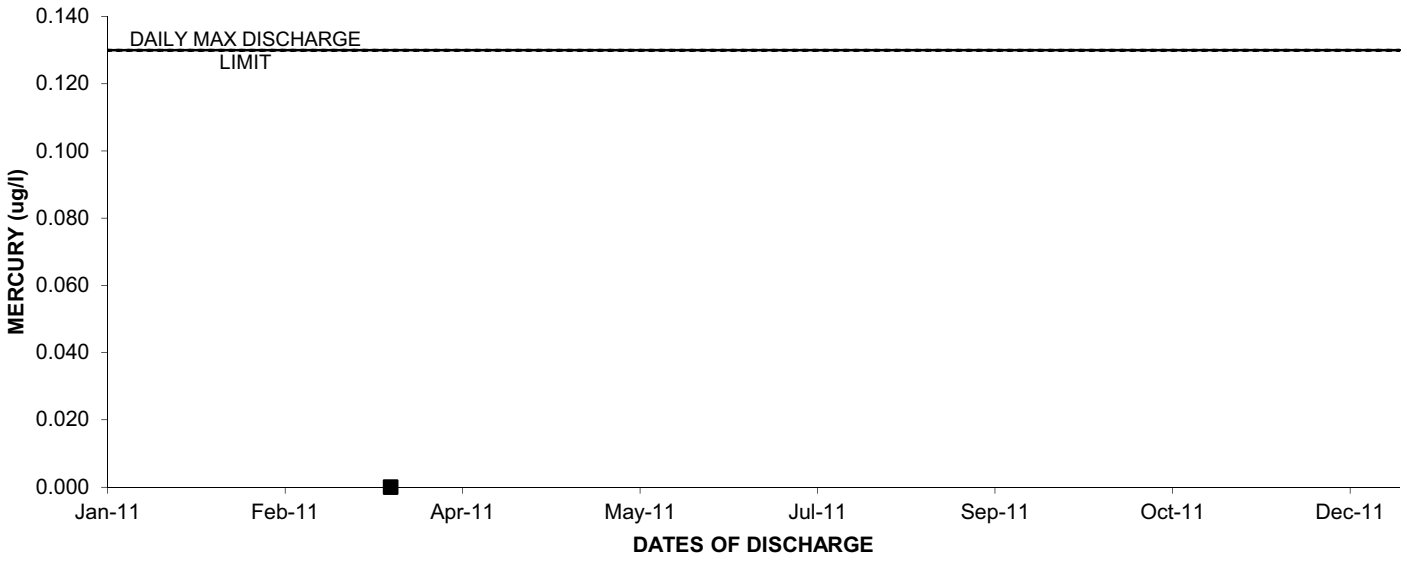
2011: OUTFALL 006 COPPER



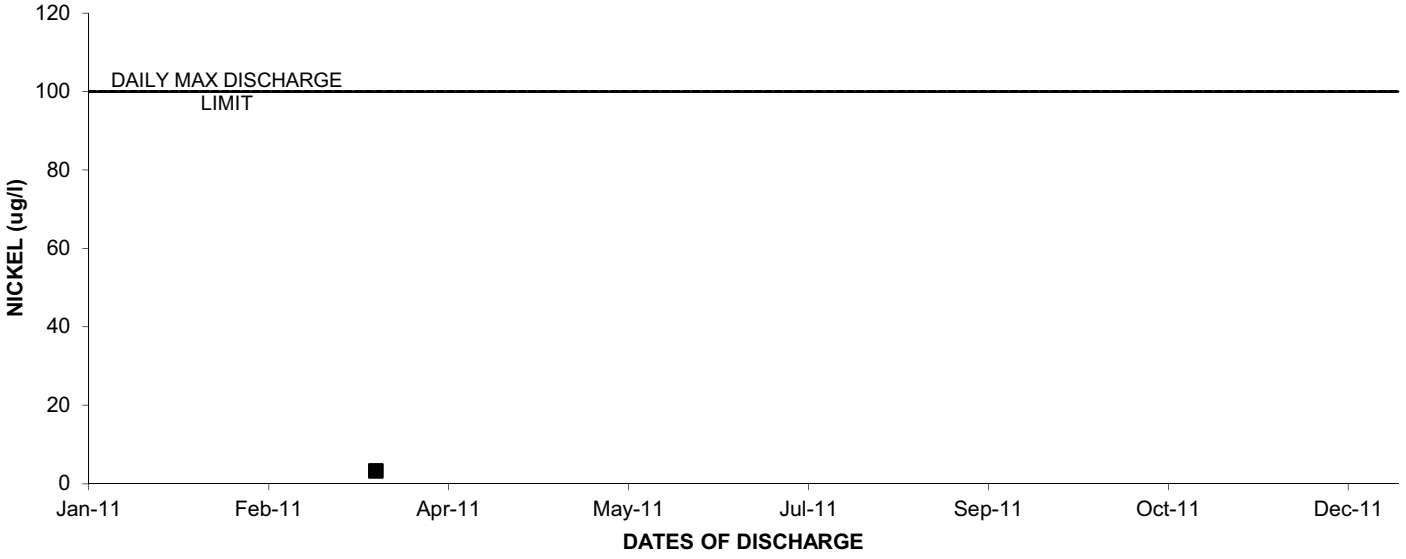
2011: OUTFALL 006 LEAD



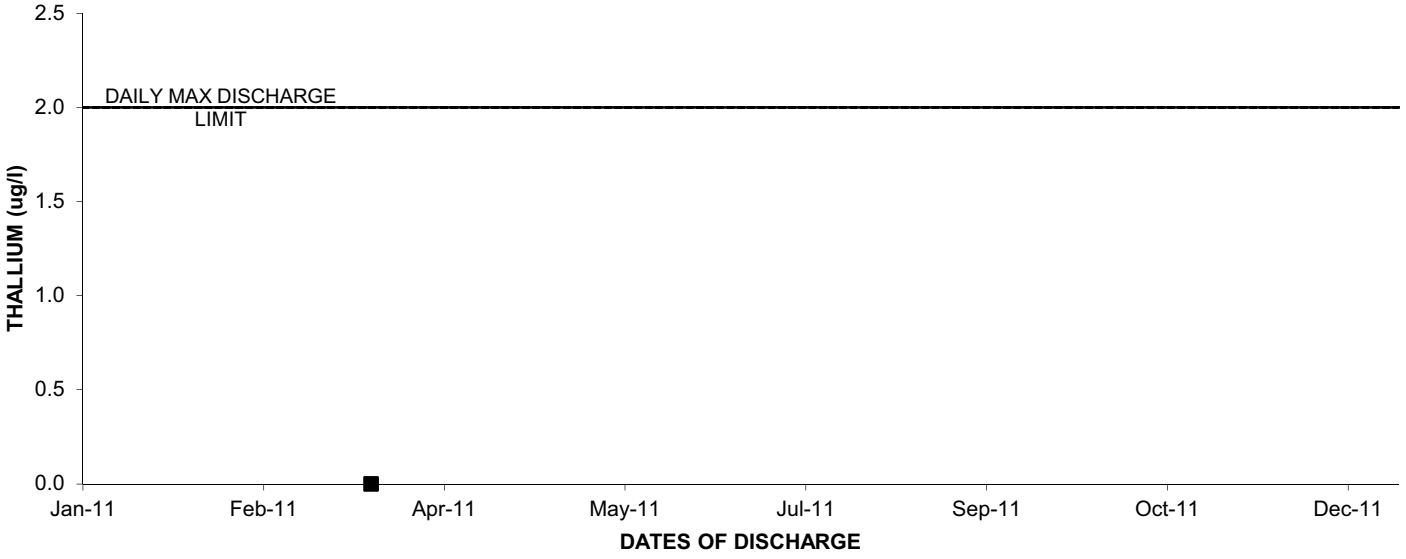
2011: OUTFALL 006 MERCURY



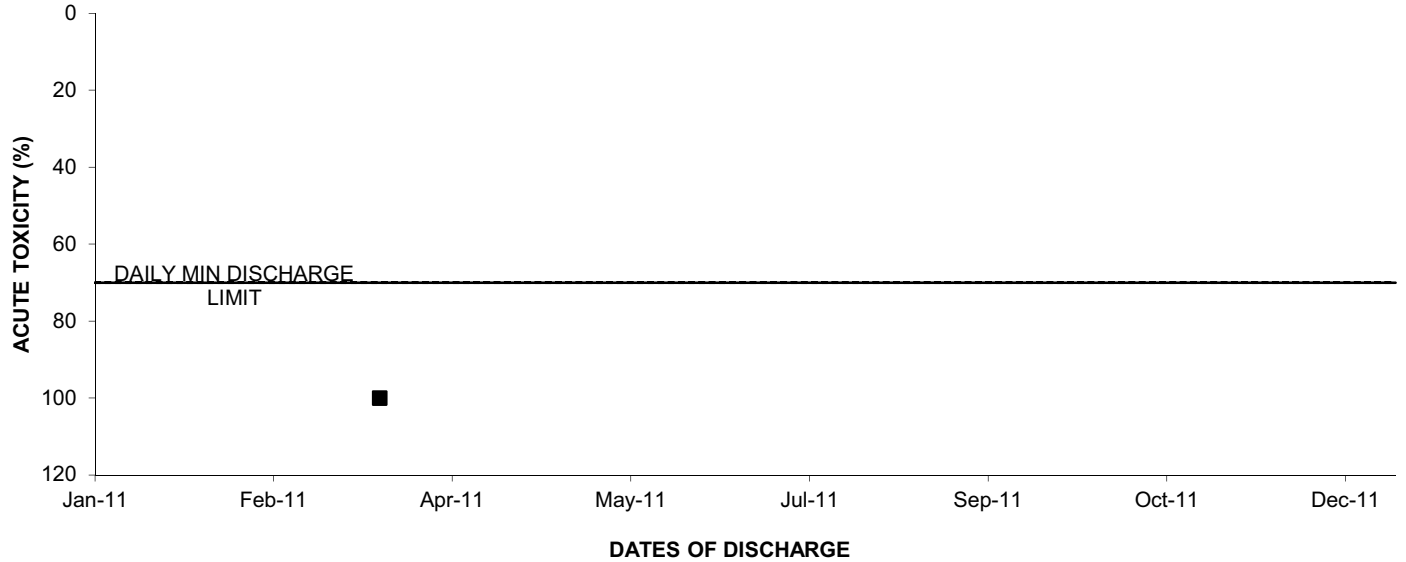
2011: OUTFALL 006 NICKEL



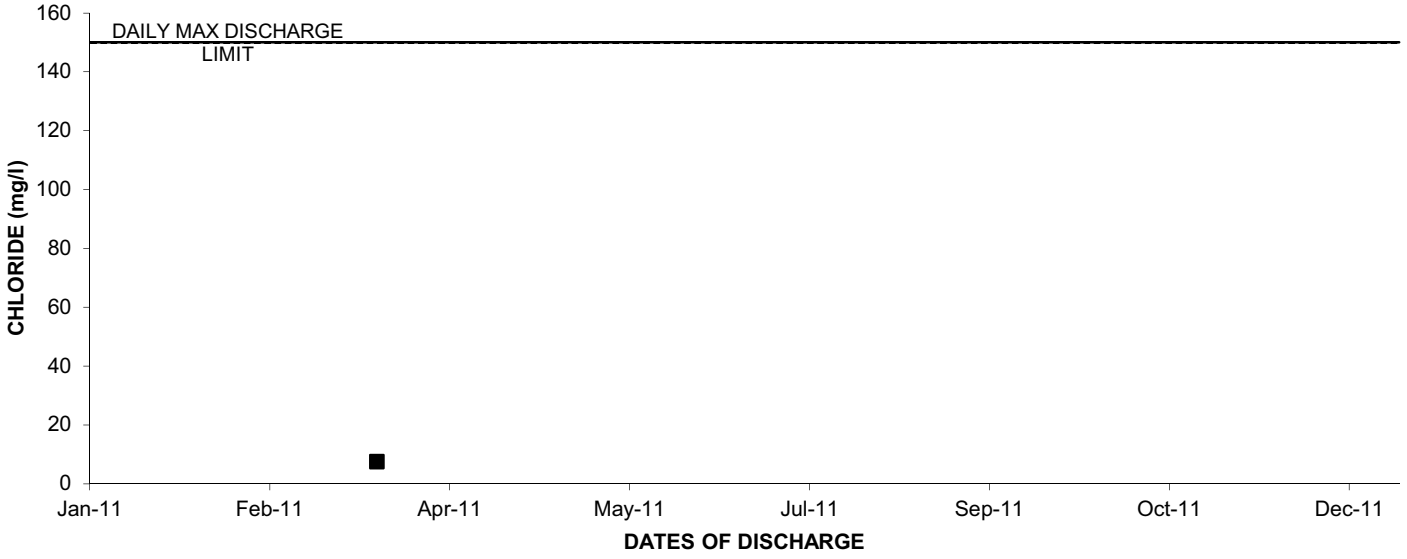
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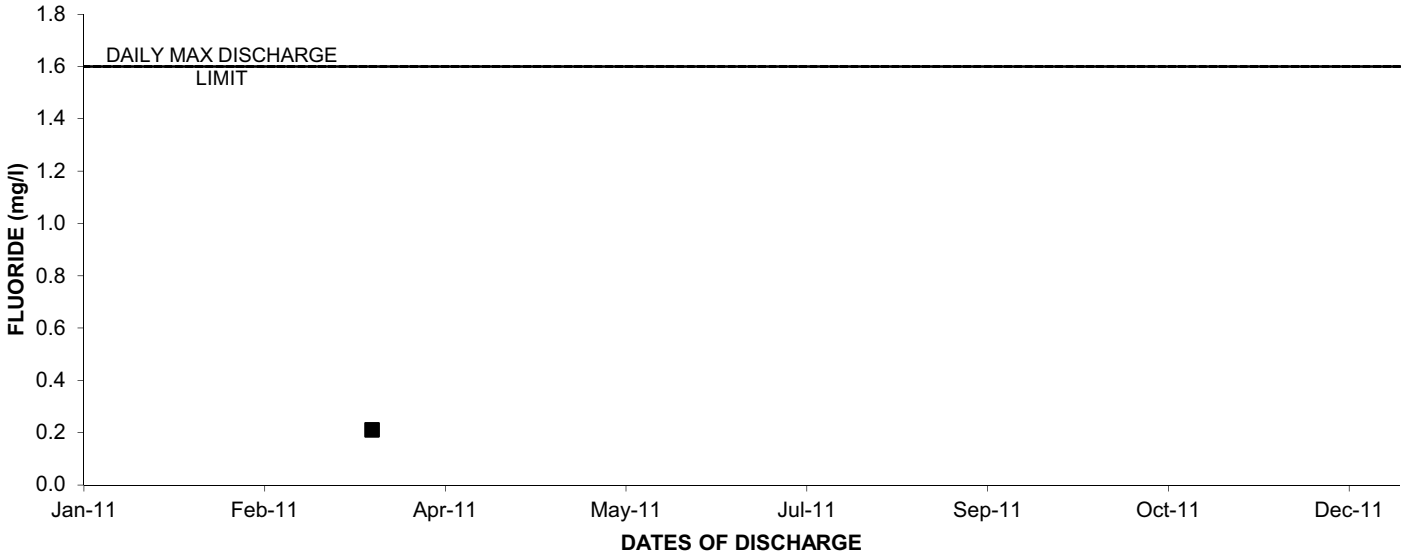
2011: OUTFALL 006 ACUTE TOXICITY



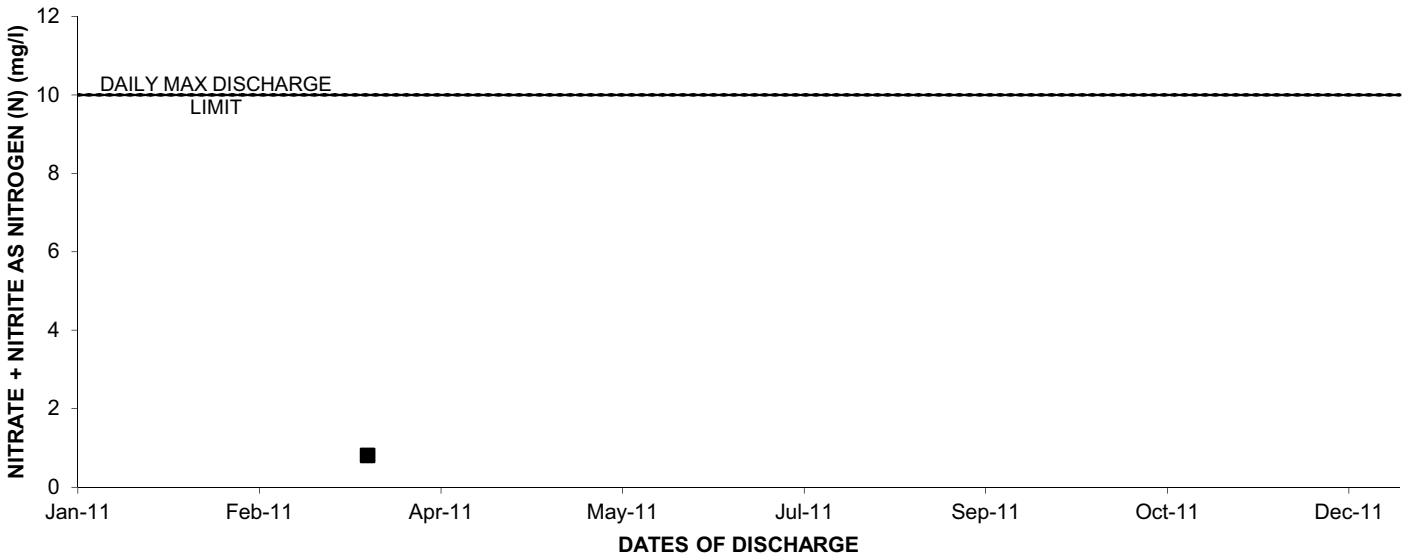
2011: OUTFALL 006 CHLORIDE



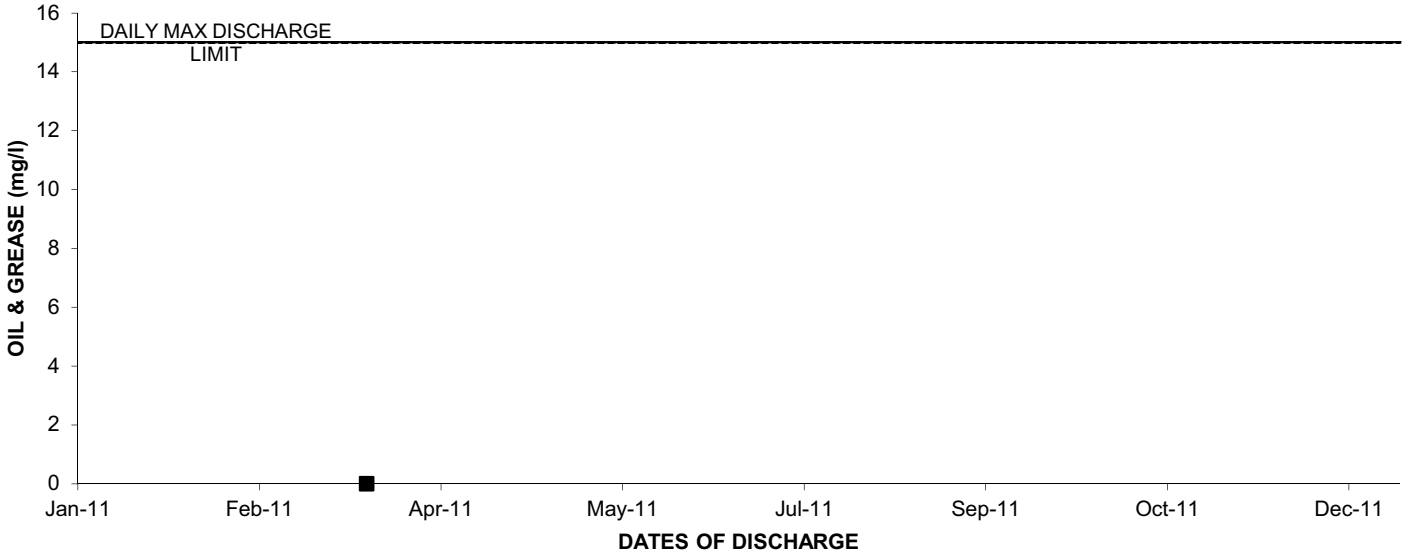
2011: OUTFALL 006 FLUORIDE



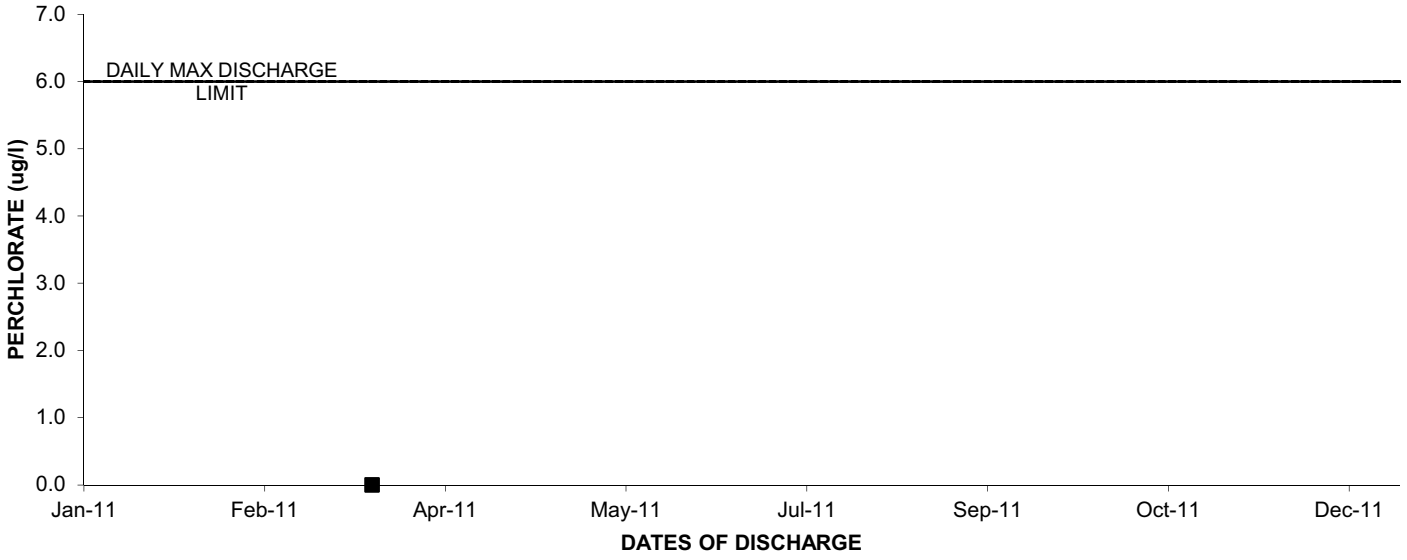
2011: OUTFALL 006 NITRATE + NITRITE AS NITROGEN (N)



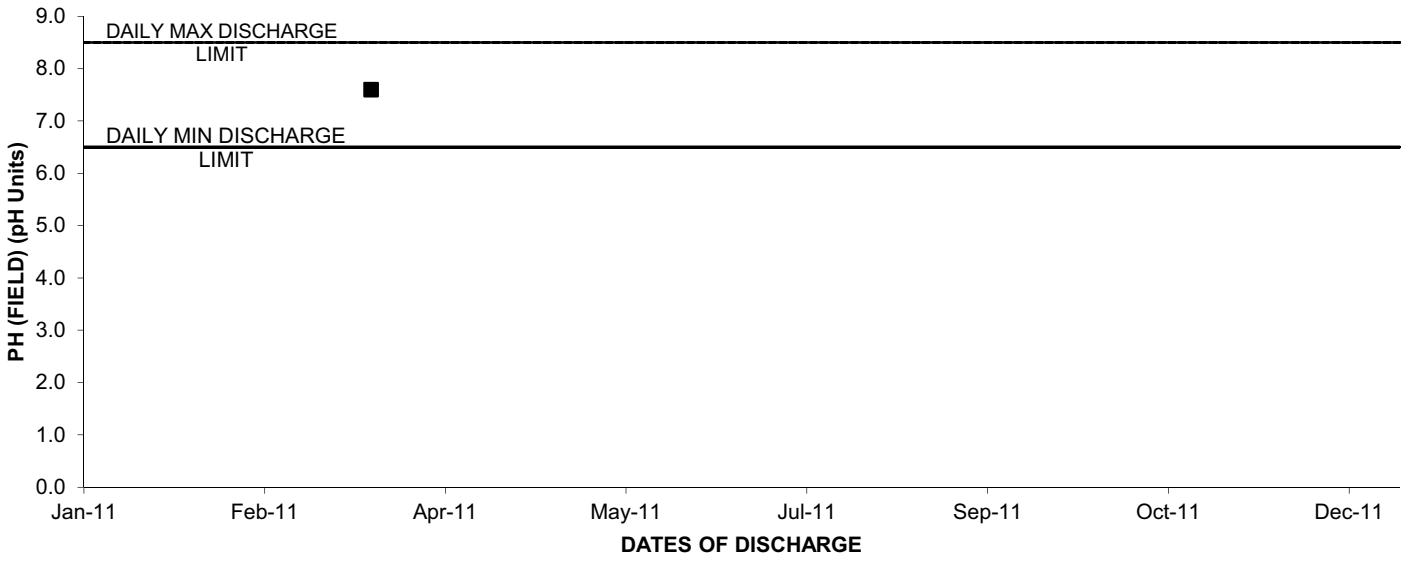
2011: OUTFALL 006 OIL & GREASE



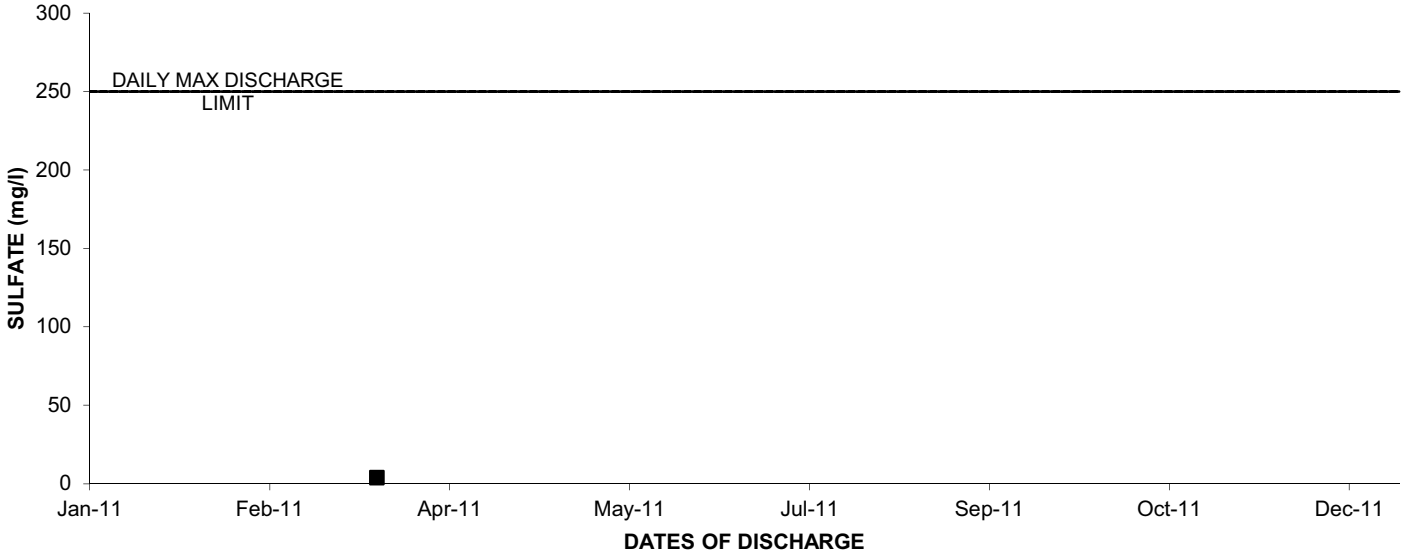
2011: OUTFALL 006 PERCHLORATE



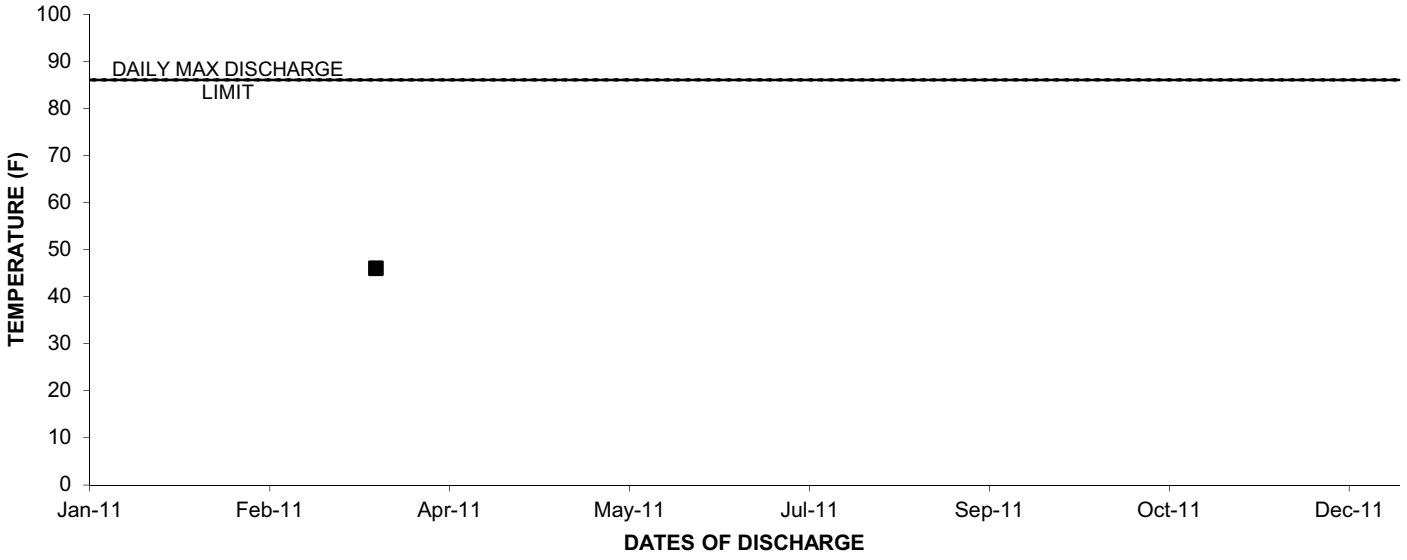
2011: OUTFALL 006 PH (FIELD)



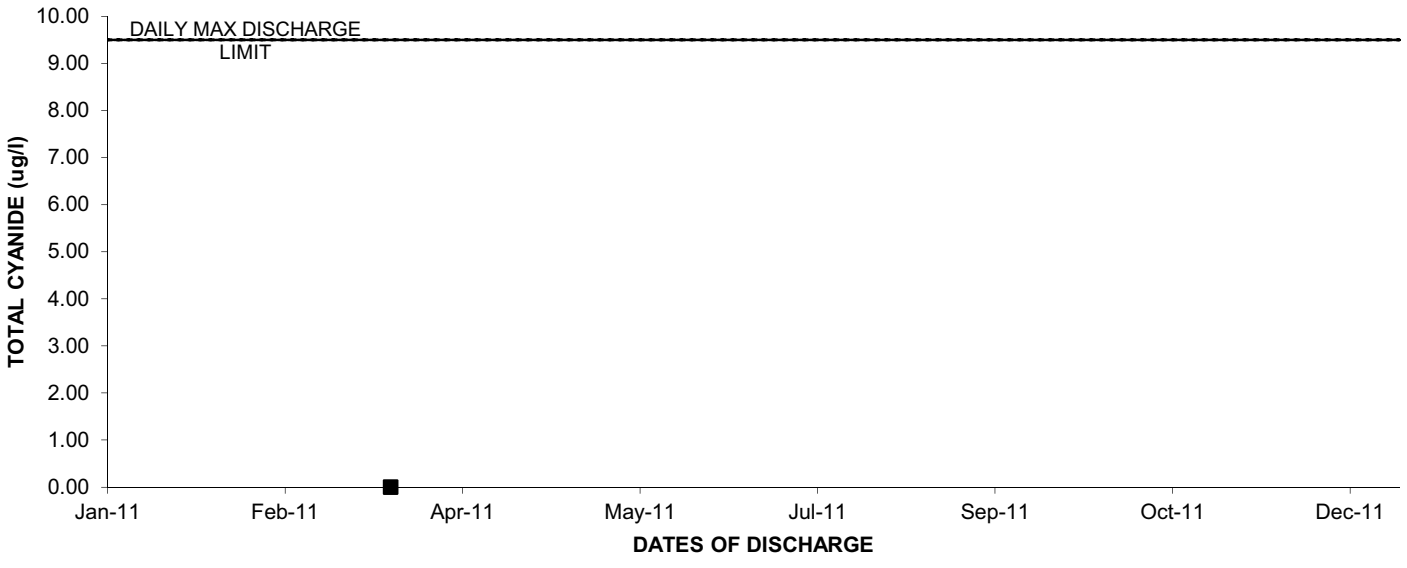
2011: OUTFALL 006 SULFATE



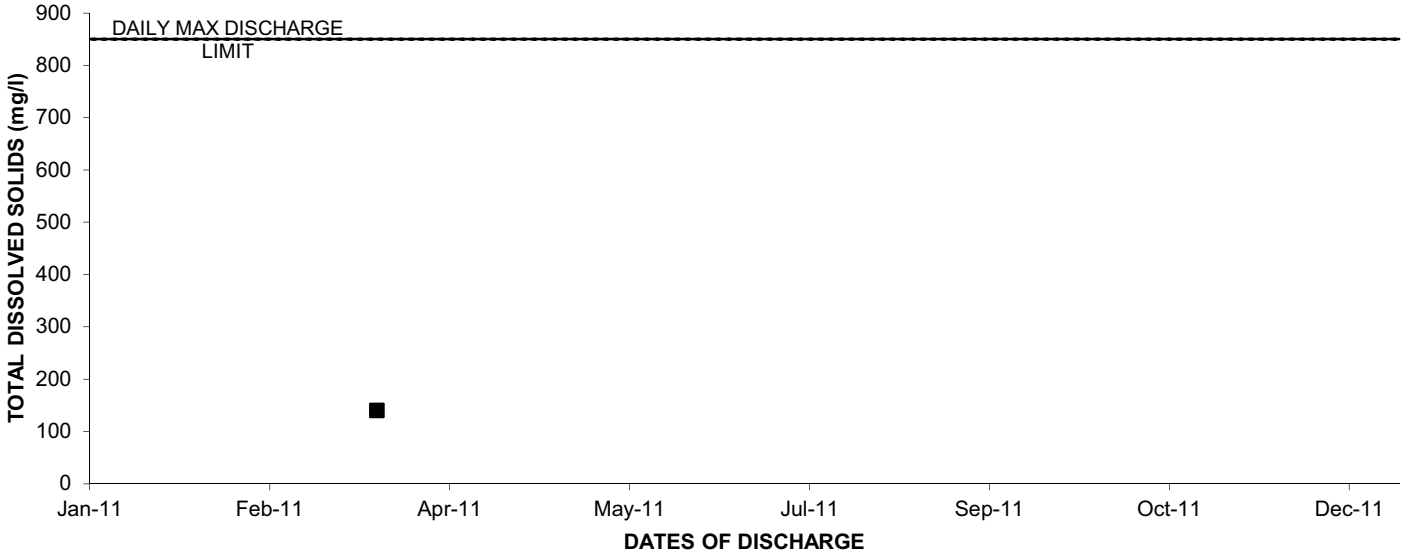
2011: OUTFALL 006 TEMPERATURE



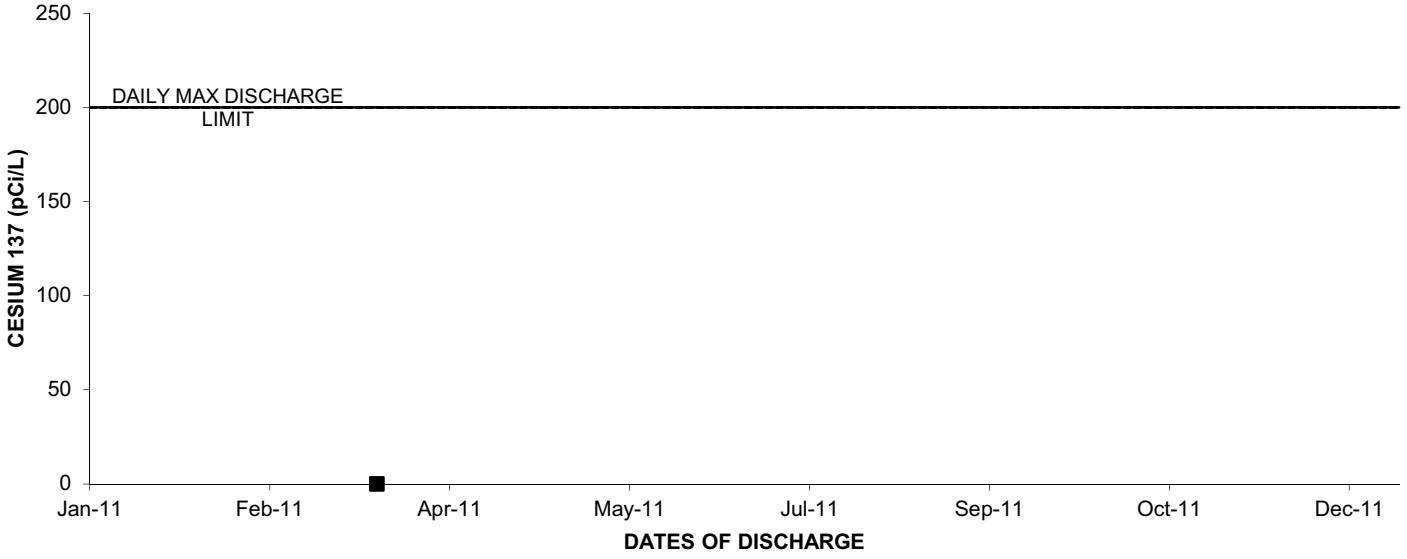
2011: OUTFALL 006 TOTAL CYANIDE



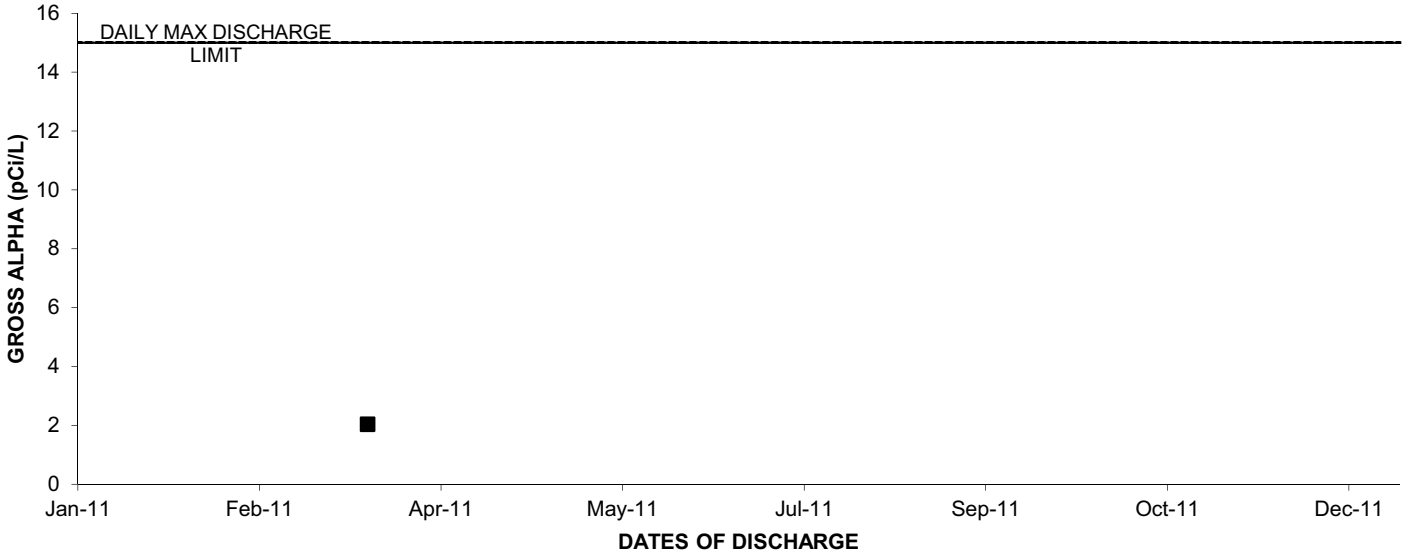
2011: OUTFALL 006 TOTAL DISSOLVED SOLIDS



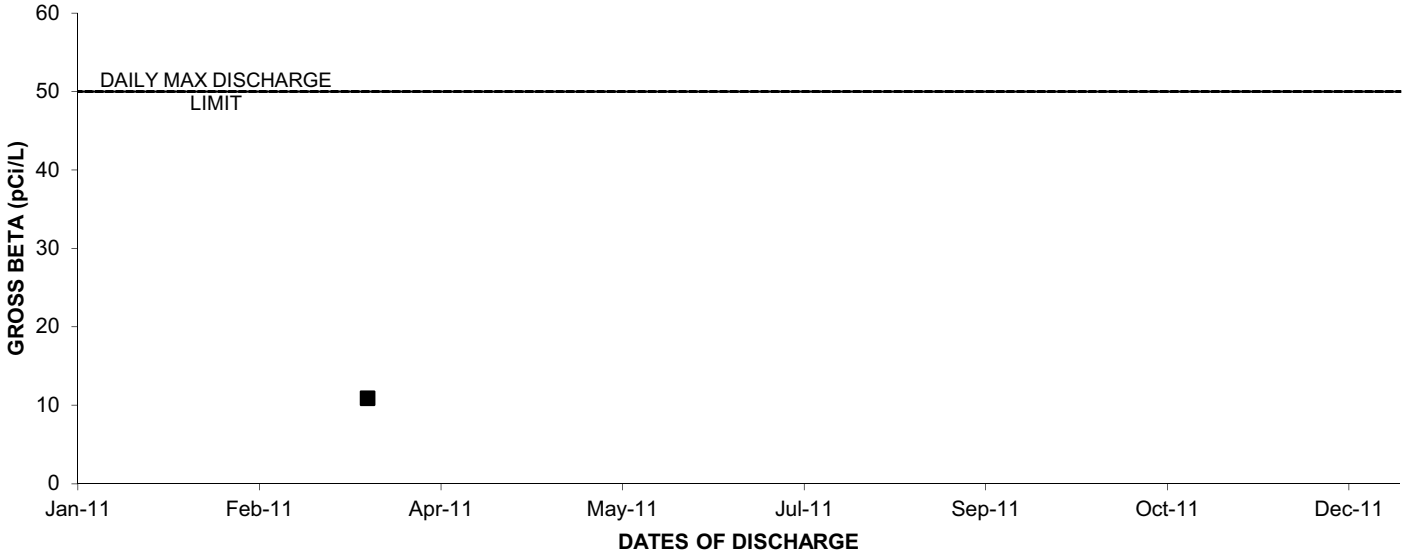
2011: OUTFALL 006 CESIUM 137



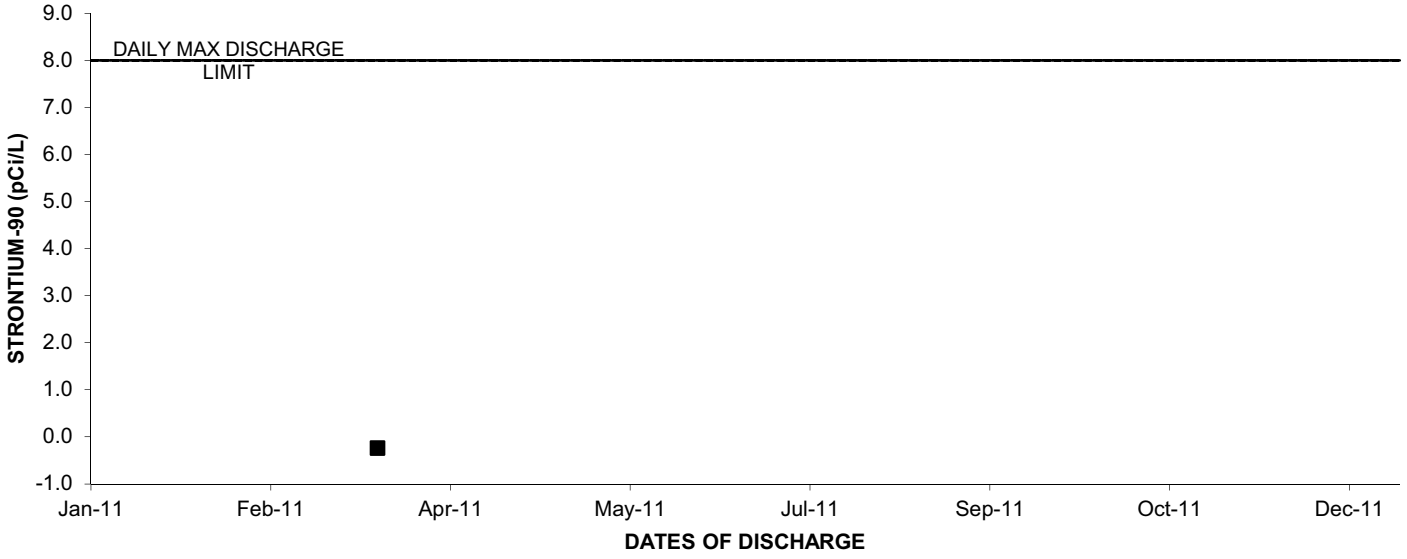
2011: OUTFALL 006 GROSS ALPHA



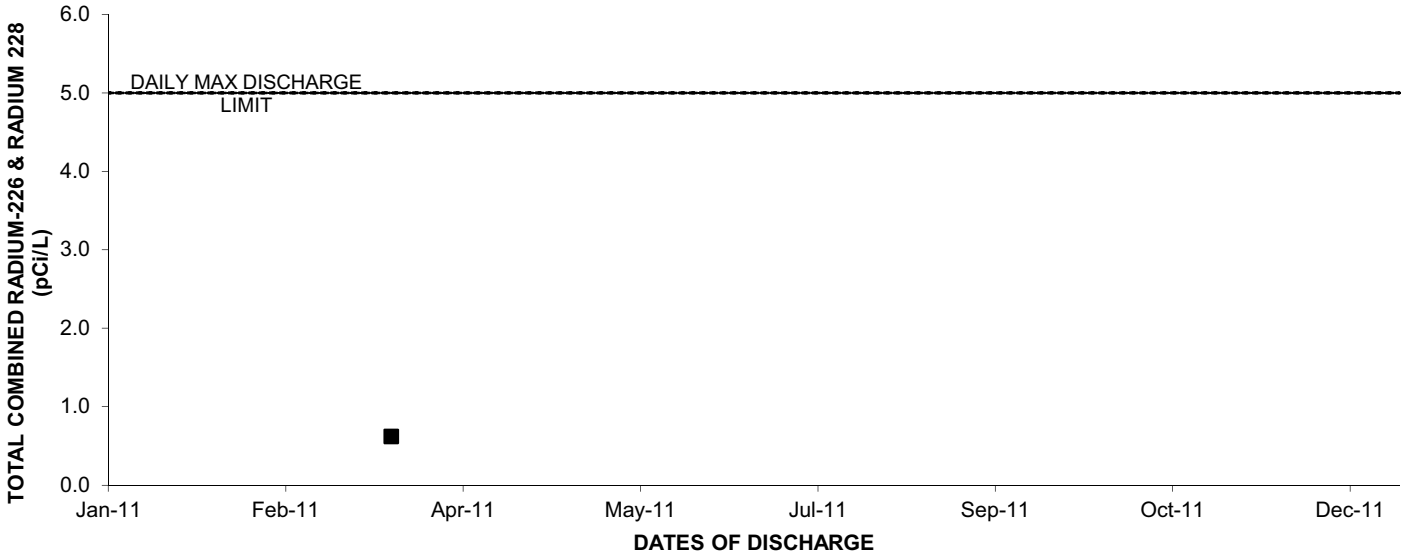
2011: OUTFALL 006 GROSS BETA



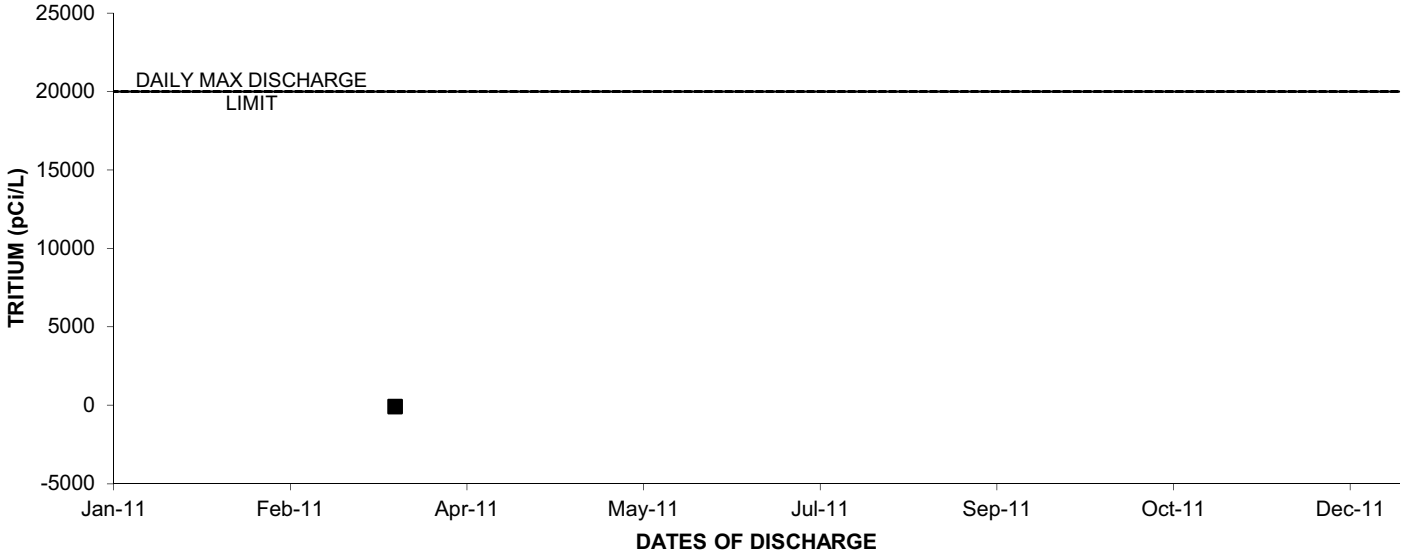
2011: OUTFALL 006 STRONTIUM-90



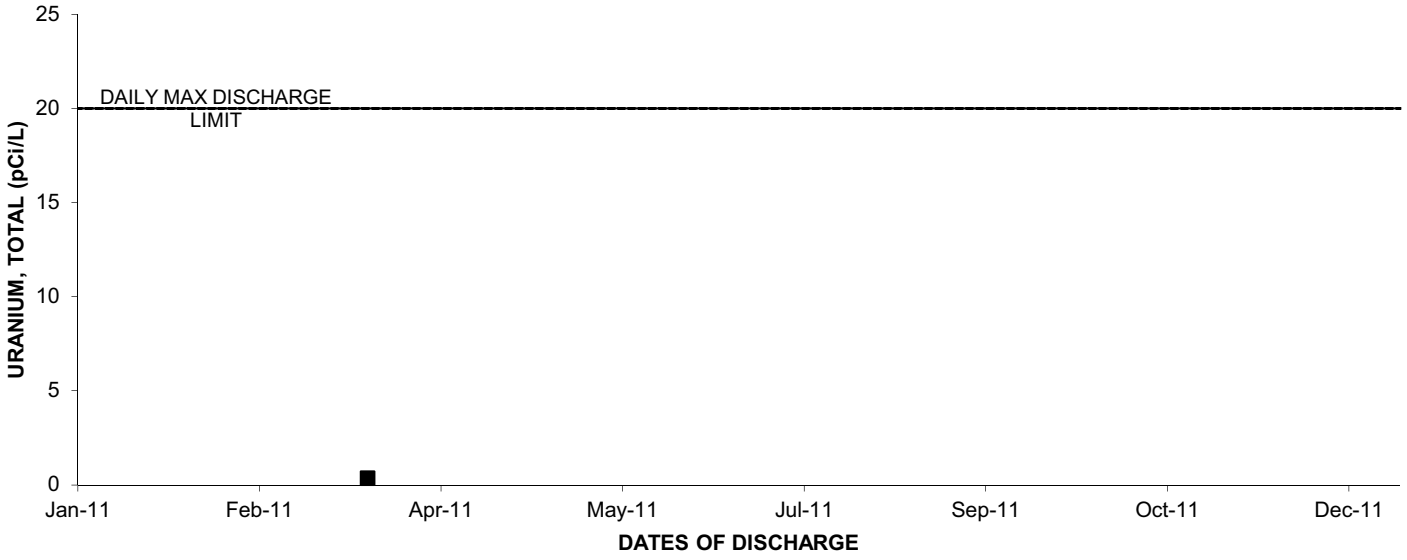
2011: OUTFALL 006 TOTAL COMBINED RADIUM-226 & RADIUM 228

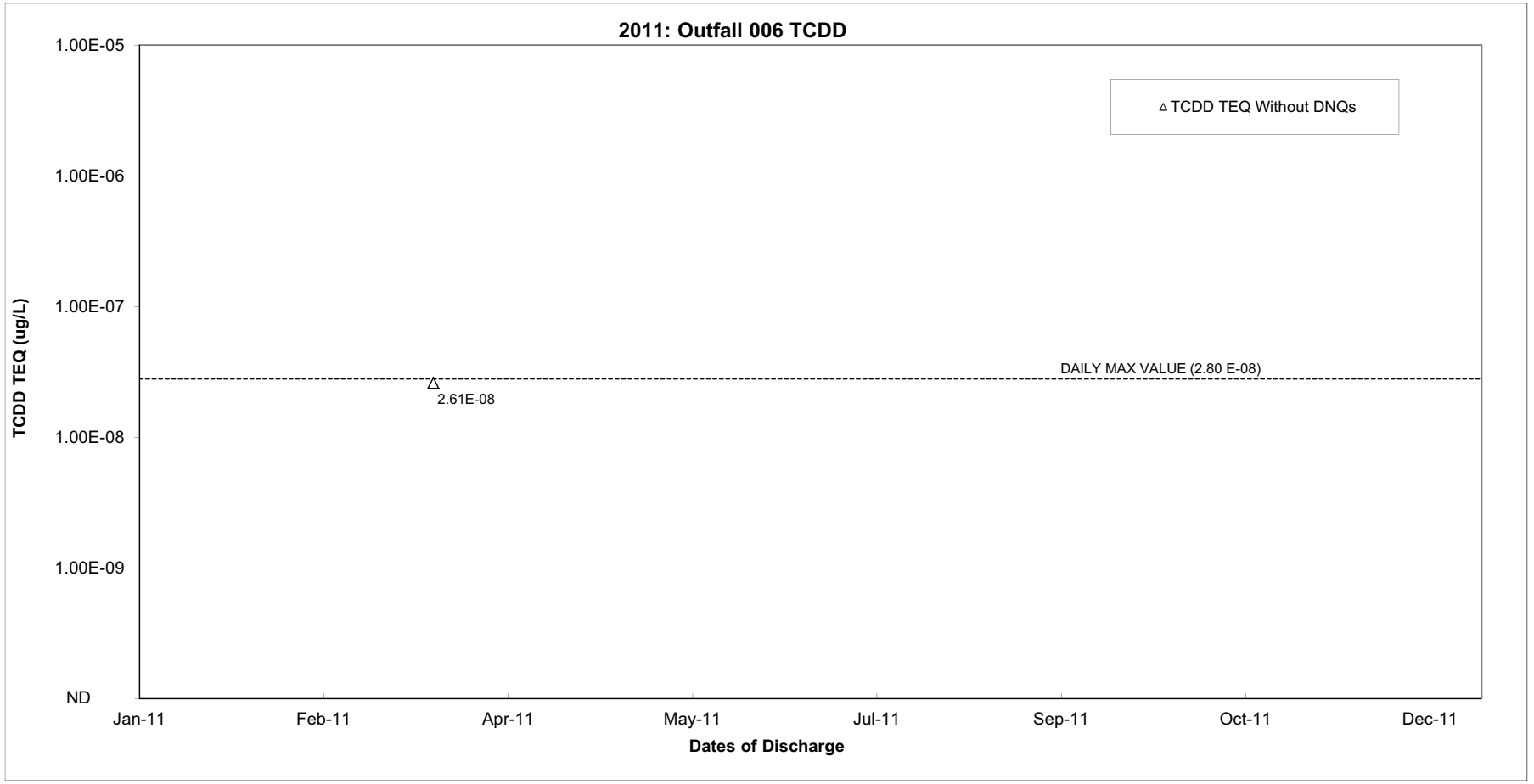


2011: OUTFALL 006 TRITIUM



2011: OUTFALL 006 URANIUM, TOTAL




2011: Outfall 006 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
2.61E-08
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 4

OUTFALL 008 (HAPPY VALLEY DRAINAGE)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Chloride	mg/L	150/-	Comp	12	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.59	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.59	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Sulfate	mg/L	300/-	Comp	12	*
Temperature	deg. F	86/-	Grab	42	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	200	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	14	--
Volume Discharged	MGD	17.8/-	Meas	0.007125	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.44	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*
Arsenic	ug/L	-/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.42	*
Copper, dissolved	ug/L	-/-	Comp	1.70	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.83	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Nickel	ug/L	100/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	5/-	Comp	0.58	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	-/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	159/-	Comp	22.2	*
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	*
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	Comp	ND < 11	*
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Chloride	mg/L	150/-	Comp	7.0	*
E. Coli	MPN/100 ml	-/-	Grab	170	*
Fecal Coliform	MPN/100 ml	-/-	Grab	170	*
Fluoride	mg/L	1.6/-	Comp	0.25	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.71	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.71	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	2.4	J (DNQ)
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Sulfate	mg/L	300/-	Comp	6.1	*
Temperature	deg. F	86/-	Grab	52	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	200	*
Hardness	mg/L	-/-	Comp	83	--
Hardness, dissolved	mg/L	-/-	Comp	74	--
Total Suspended Solids	mg/L	-/-	Comp	68	--
Volume Discharged	MGD	17.8/-	Meas	0.026685	*
METALS					
Aluminum	ug/L	-/-	Comp	4700	--
Aluminum, dissolved	ug/L	-/-	Comp	56	--
Antimony	ug/L	6.0/-	Comp	0.42	B, J*
Antimony, dissolved	ug/L	-/-	Comp	0.42	J* (DNQ)
Arsenic	ug/L	-/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	Comp	0.073	--
Boron, dissolved	mg/L	-/-	Comp	0.084	--
Cadmium	ug/L	(4.0) 3.1/-	Comp	0.46	B, J*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	25	--
Calcium, Dissolved	mg/L	-/-	Comp	24	--
Chromium	ug/L	-/-	Comp	6.9	--
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	Grab	ND < 1.00	U (B)
Copper	ug/L	14/-	Comp	9.33	*
Copper, dissolved	ug/L	-/-	Comp	1.47	J* (DNQ)
Iron	mg/L	-/-	Comp	6.0	--
Iron, dissolved	mg/L	-/-	Comp	0.027	J (DNQ)
Lead	ug/L	5.2/-	Comp	3.8	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	4.9	--
Magnesium, Dissolved	mg/L	-/-	Comp	3.5	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Nickel	ug/L	100/-	Comp	5.0	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Selenium	ug/L	5/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	-/-	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	12	--
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	159/-	Comp	28.4	--
Zinc, Dissolved	ug/L	-/-	Comp	25.9	--
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	-/-	Grab	ND < 0.42	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	-/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Vinyl chloride	ug/L	-/-	Grab	ND < 0.40	*
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 2.40	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.88	*
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 2.40	*
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.88	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.40	*
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
2,4,6-Trichlorophenol	ug/L	-/-	Comp	ND < 4.33	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 3.37	*
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 3.37	*
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 7.69	*
2,4-Dinitrotoluene	ug/L	-/-	Comp	ND < 3.37	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 1.92	*
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 2.88	*
2-Chlorophenol	ug/L	-/-	Comp	ND < 2.88	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 3.85	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			2/26/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Nitrophenol	ug/L	-/-	Comp	ND < 3.37	*
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 7.21	*
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	C*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0029	*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	C5*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 2.88	*
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 2.40	*
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 2.40	*
4-Nitrophenol	ug/L	-/-	Comp	ND < 5.29	*
Acenaphthene	ug/L	-/-	Comp	ND < 2.88	*
Acenaphthylene	ug/L	-/-	Comp	ND < 2.88	*
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	--
Aldrin	ug/L	-/-	Comp	ND < 0.0014	*
alpha-BHC	ug/L	-/-	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 2.40	*
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 9.62	*
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 2.40	*
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 2.88	*
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 1.92	*
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 3.85	*
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 2.40	*
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 2.88	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	Comp	ND < 3.85	*
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 2.88	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 2.40	C*
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 3.85	*
Chlordane	ug/L	-/-	Comp	ND < 0.077	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chlorpyrifos	ug/L	-/-	Comp	ND < 0.010	*
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 2.40	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0034	*
Diazinon	ug/L	-/-	Comp	ND < 0.10	*

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			2/26/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 2.88	*
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	Comp	ND < 3.37	*
Dimethylphthalate	ug/L	-/-	Comp	ND < 2.40	*
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 2.88	*
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 3.37	*
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0029	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0029	*
Endrin	ug/L	-/-	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 2.88	*
Fluorene	ug/L	-/-	Comp	ND < 2.88	*
Heptachlor	ug/L	-/-	Comp	ND < 0.0029	*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 2.88	*
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 3.85	*
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 4.81	*
Hexachloroethane	ug/L	-/-	Comp	ND < 3.37	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 3.37	*
Isophorone	ug/L	-/-	Comp	ND < 2.88	*
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0029	*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Naphthalene	ug/L	-/-	Comp	ND < 2.88	*
Nitrobenzene	ug/L	-/-	Comp	ND < 2.88	*
n-Nitrosodimethylamine	ug/L	-/-	Comp	ND < 2.40	*
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 3.37	*
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 1.92	*
Pentachlorophenol	ug/L	-/-	Comp	ND < 3.37	*
Phenanthrene	ug/L	-/-	Comp	ND < 3.37	*
Phenol	ug/L	-/-	Comp	ND < 1.92	*
Pyrene	ug/L	-/-	Comp	ND < 3.85	*
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*

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THE BOEING COMPANY
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			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	5.3	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.64	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.57	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Sulfate	mg/L	300/-	Comp	4.1	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	130	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	46	--
Volume Discharged	MGD	17.8/-	Meas	1.2756	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*
Arsenic	ug/L	-/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	4.78	*
Copper, dissolved	ug/L	-/-	Comp	2.04	*
Iron	mg/L	-/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.4	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Nickel	ug/L	100/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	5/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	-/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	159/-	Comp	14.3	J*
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	*
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR

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January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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OUTFALL 008 (Happy Valley Drainage)

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SANTA SUSANA FIELD LABORATORY
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Sample Type Composite
Sample Date January 3, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.40E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.20E-06	5.00E-05	ND	U		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.20E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.10E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	8.70E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.00E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	8.10E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	9.60E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.10E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.10E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.60E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	7.90E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.70E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.10E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.30E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.50E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	1.40E-06	1.00E-04	ND	U		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 26, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.80E-06	5.10E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.50E-06	5.10E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	2.40E-06	5.10E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.80E-06	5.10E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.10E-06	5.10E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.50E-06	5.10E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.90E-06	5.10E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.20E-06	5.10E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.80E-06	5.10E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	5.80E-06	5.10E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	6.90E-06	5.10E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.90E-06	5.10E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.10E-06	5.10E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.40E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.10E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.10E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	4.80E-06	1.00E-04	4.90E-06	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20-21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.30E-06	5.00E-05	2.10E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.90E-06	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.10E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.10E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.20E-06	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.90E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.10E-06	5.00E-05	8.00E-07	J (DNQ)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.70E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.60E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.70E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.80E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.20E-06	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.40E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.50E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.60E-06	1.00E-04	2.40E-04	--		0.0001	0.01	**2.40E-10**
OCDF	4.10E-06	1.00E-04	1.30E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.40E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/03/2011 (Comp)			02/26/2011 (Comp)			03/21/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	1.85 ± 0.54	0.511	J (C, DNQ)	3.52 ± 0.67	0.41	J (C)	2.98 ± 0.61	0.5	J (C, DNQ)
Gross Beta	pCi/L	50/-	2.49 ± 0.60	0.852	J (DNQ)	5.15 ± 0.67	0.829	--	5.81 ± 0.72	0.917	--
Strontium-90	pCi/L	8.0/-	-0.49 ± 0.93	2.38	UJ (C)	-0.423 ± 0.37	1.1	U	-0.335 ± 0.36	0.921	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.81 ± 0.48	1.12	U	0.44 ± 0.36	0.96	U	0.17 ± 0.52	1.32	U
Tritium	pCi/L	20000/-	-98.3 ± 150	265	U	-28.6 ± 100	170	U	22.7 ± 98	164	U
Uranium, Total	pCi/L	20/-	0.592 ± 0.064	0.016	J (DNQ)	0.838 ± 0.094	0.022	J (DNQ)	0.439 ± 0.051	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 15.7	15.7	U	ND < 24	24	U	ND < 16.5	16.5	U
Cesium 137	pCi/L	200/-	ND < 1.3	1.3	U	ND < 1.46	1.46	U	ND < 1.29	1.29	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.01612	
Ammonia as Nitrogen (N)	LBS/DAY	1,500/-	Comp	ND	*
Chloride	LBS/DAY	22,268/-	Comp	1.61	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,188/-	Comp	0.08	*
Nitrate as Nitrogen (N)	LBS/DAY	1,190/-	Comp	0.08	*
Nitrite-N	LBS/DAY	148/-	Comp	ND	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	*
Sulfate	LBS/DAY	44,536/-	Comp	1.61	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	141,029/-	Comp	26.89	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	Ja* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(0.59) 0.46/-	Comp	ND	*
Copper	LBS/DAY	2.1/-	Comp	0.0003	*
Lead	LBS/DAY	0.77/-	Comp	0.0001	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR
Selenium	LBS/DAY	0.7/-	Comp	0.0001	Ja* (DNQ)
Thallium	LBS/DAY	0.3/-	Comp	ND	*
Zinc	LBS/DAY	24/-	Comp	0.003	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.026685	
Ammonia as Nitrogen (N)	LBS/DAY	1,500/-	Comp	ND	*
Chloride	LBS/DAY	22,268/-	Comp	1.56	*
Fluoride	LBS/DAY	238/-	Comp	0.06	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,188/-	Comp	0.16	*
Nitrate as Nitrogen (N)	LBS/DAY	1,190/-	Comp	0.16	*
Nitrite-N	LBS/DAY	148/-	Comp	ND	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	0.001	J (DNQ)
Sulfate	LBS/DAY	44,536/-	Comp	1.36	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	141,029/-	Comp	44.51	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	B, J*
Boron	LBS/DAY	148/-	Comp	0.02	--
Cadmium	LBS/DAY	(0.59) 0.46/-	Comp	0.0001	B, J*
Copper	LBS/DAY	2.1/-	Comp	0.002	*
Lead	LBS/DAY	0.77/-	Comp	0.001	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	Comp	0.001	J (DNQ)
Selenium	LBS/DAY	0.7/-	Comp	ND	*
Thallium	LBS/DAY	0.3/-	Comp	ND	*
Zinc	LBS/DAY	24/-	Comp	0.01	--
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 008 (Happy Valley Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

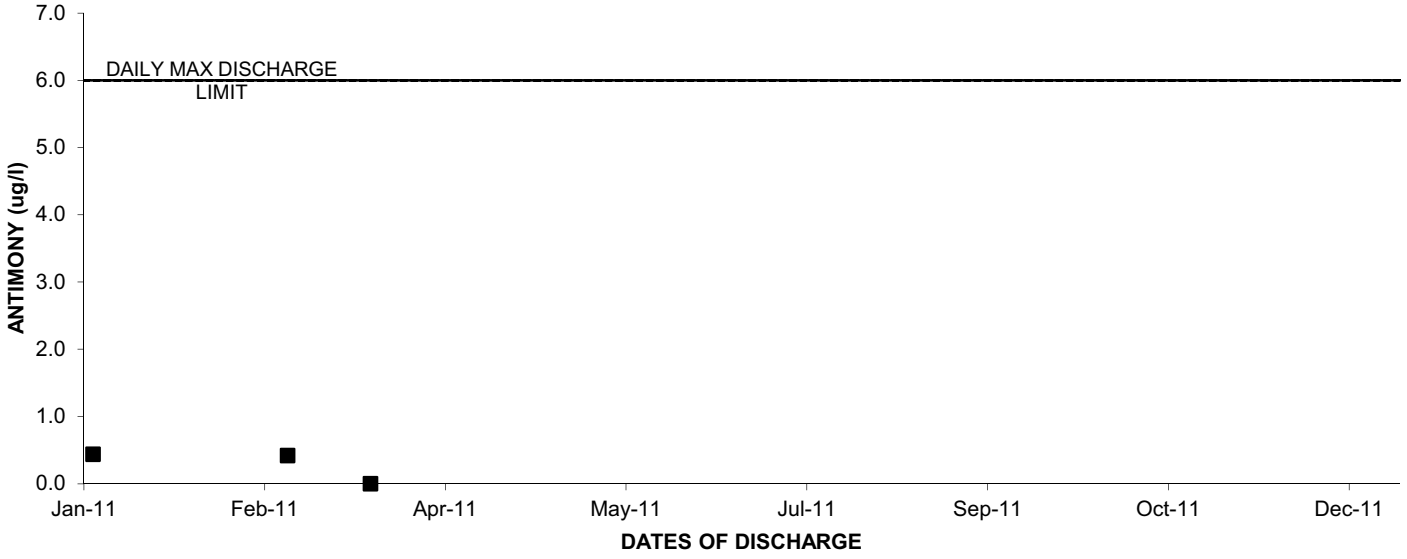
January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.70417	
Ammonia as Nitrogen (N)	LBS/DAY	1,500/-	Comp	ND	*
Chloride	LBS/DAY	22,268/-	Comp	31.13	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,188/-	Comp	3.76	*
Nitrate as Nitrogen (N)	LBS/DAY	1,190/-	Comp	3.35	*
Nitrite-N	LBS/DAY	148/-	Comp	ND	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	U
Sulfate	LBS/DAY	44,536/-	Comp	24.08	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	141,029/-	Comp	763.46	*
Antimony	LBS/DAY	0.89/-	Comp	ND	*
Boron	LBS/DAY	148/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(0.59) 0.46/-	Comp	ND	*
Copper	LBS/DAY	2.1/-	Comp	0.03	*
Lead	LBS/DAY	0.77/-	Comp	0.01	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR
Selenium	LBS/DAY	0.7/-	Comp	ND	*
Thallium	LBS/DAY	0.3/-	Comp	ND	*
Zinc	LBS/DAY	24/-	Comp	0.08	J*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	1.41E-12	--

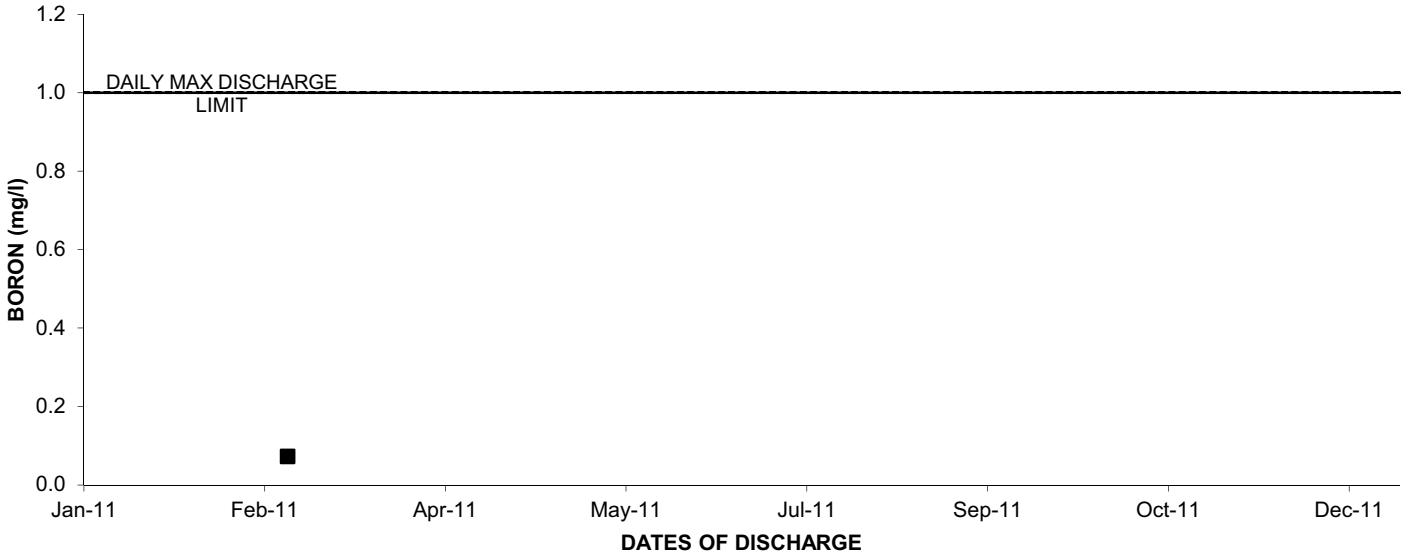
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

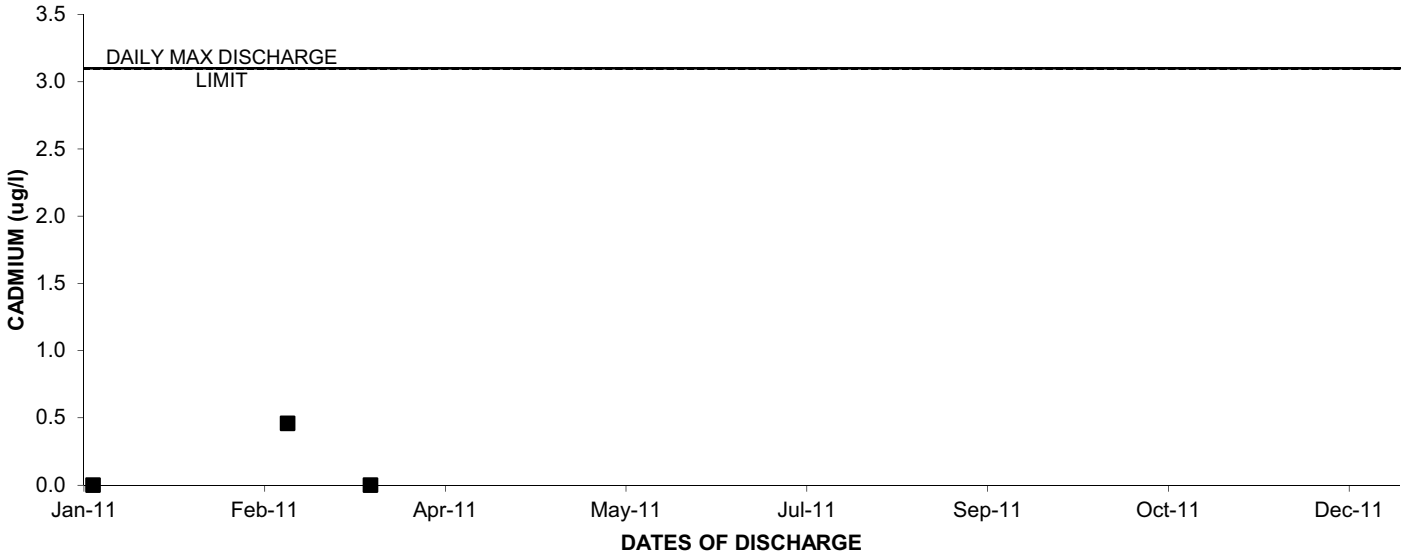
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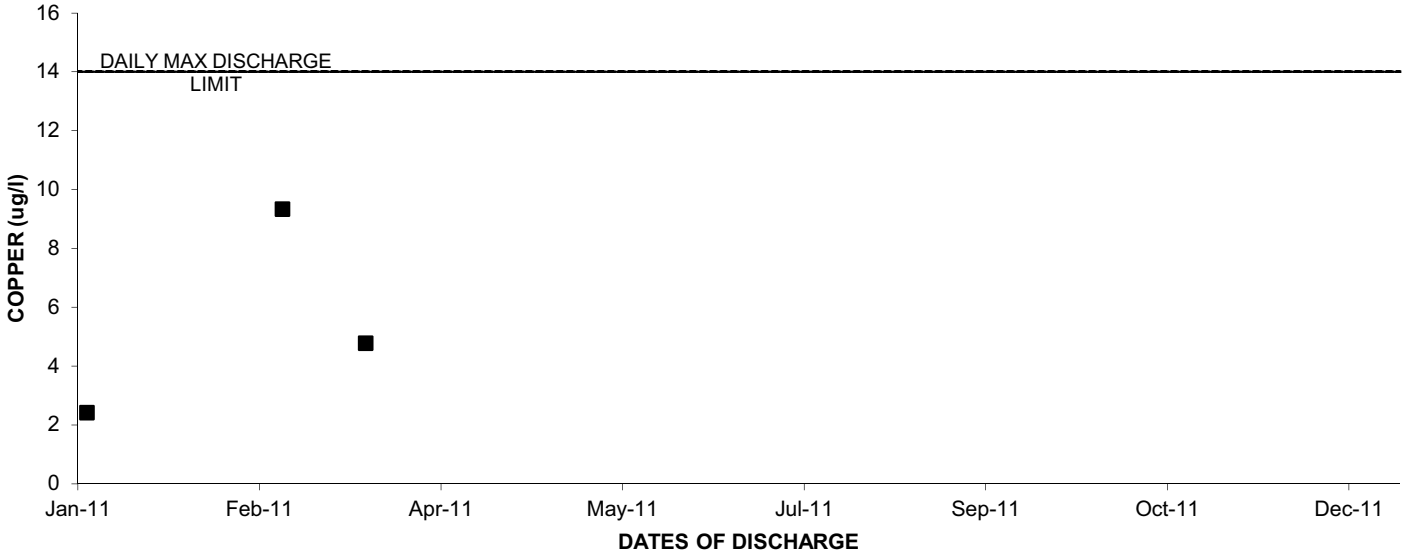
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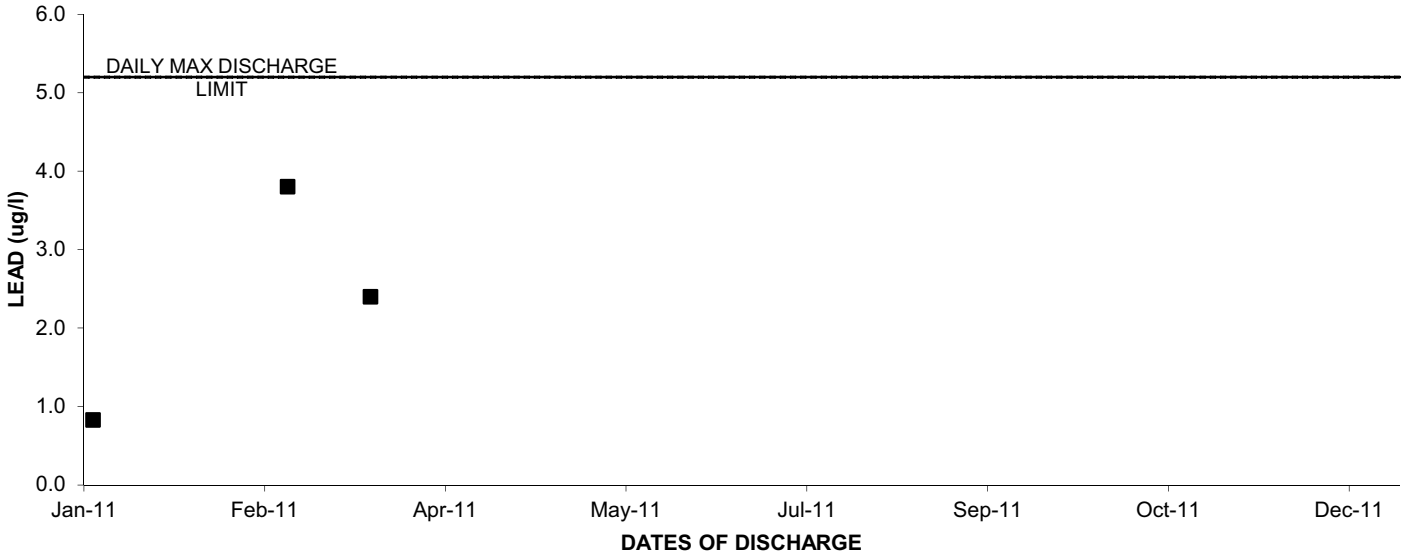
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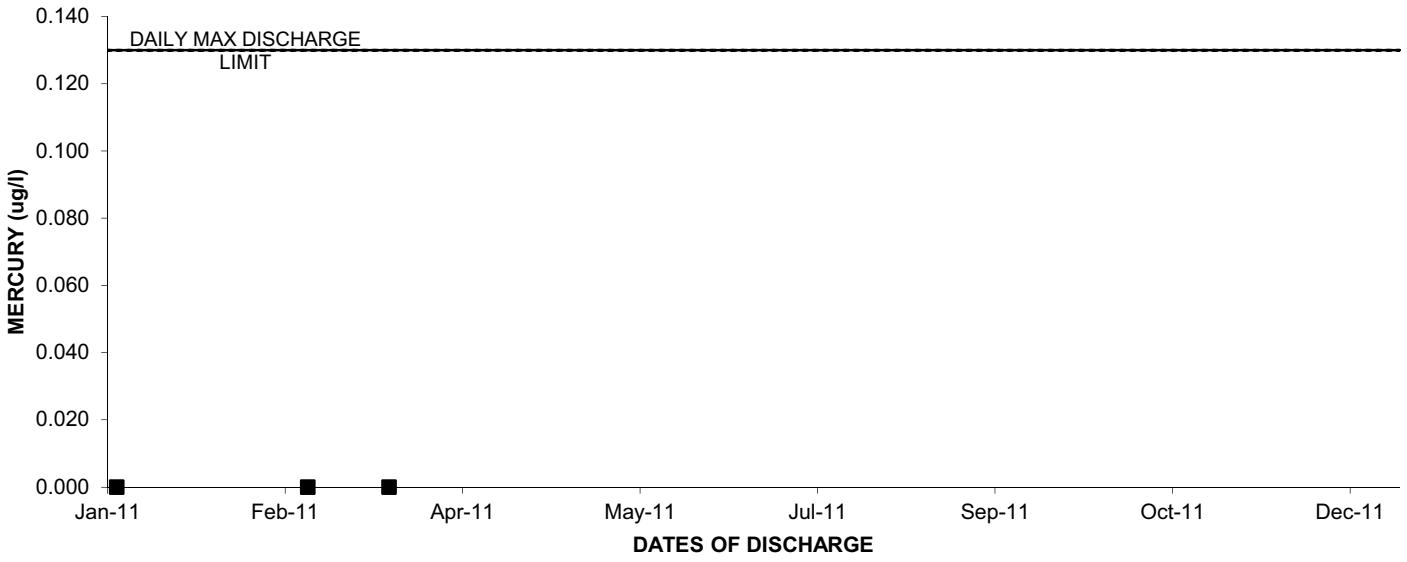
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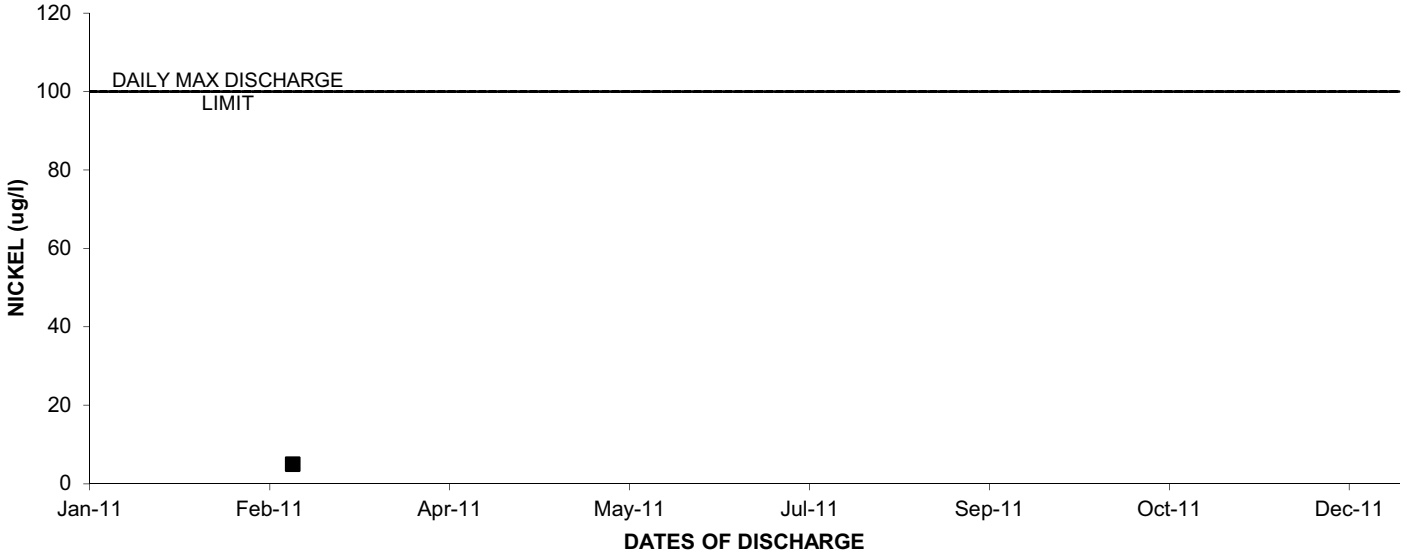
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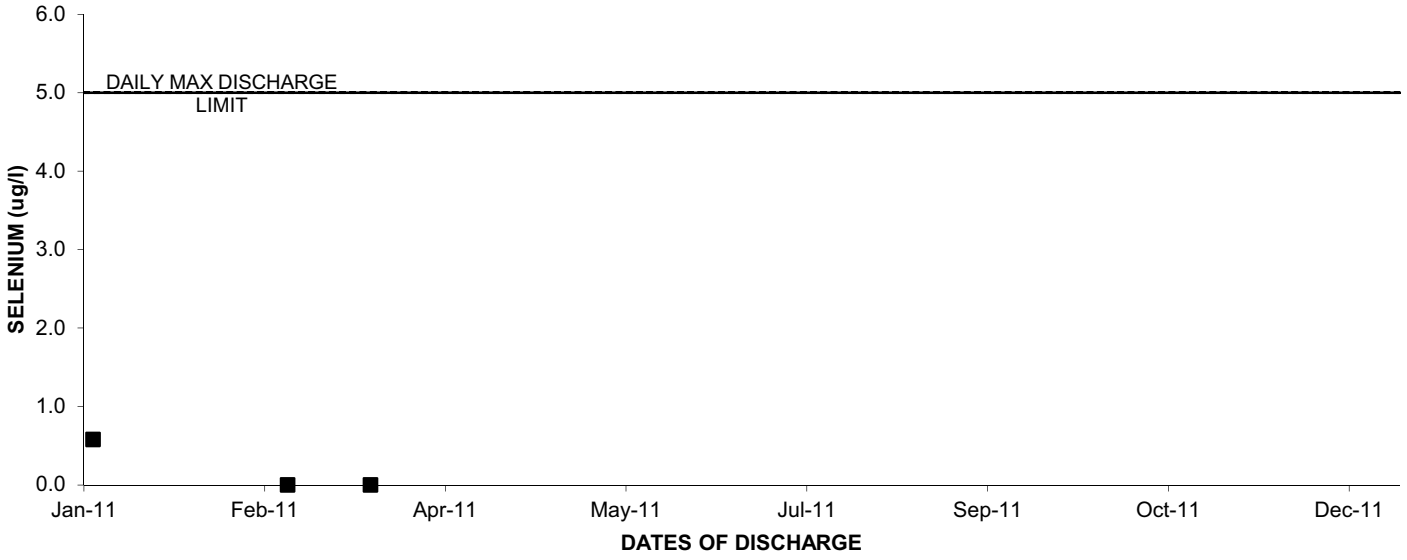
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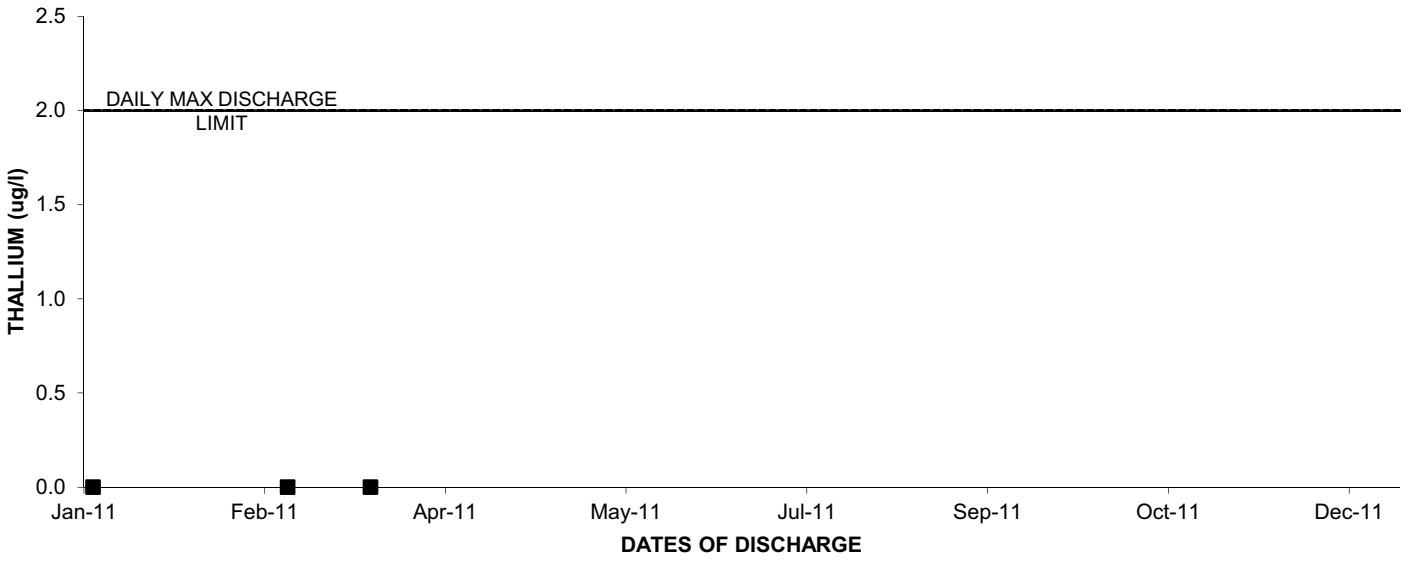
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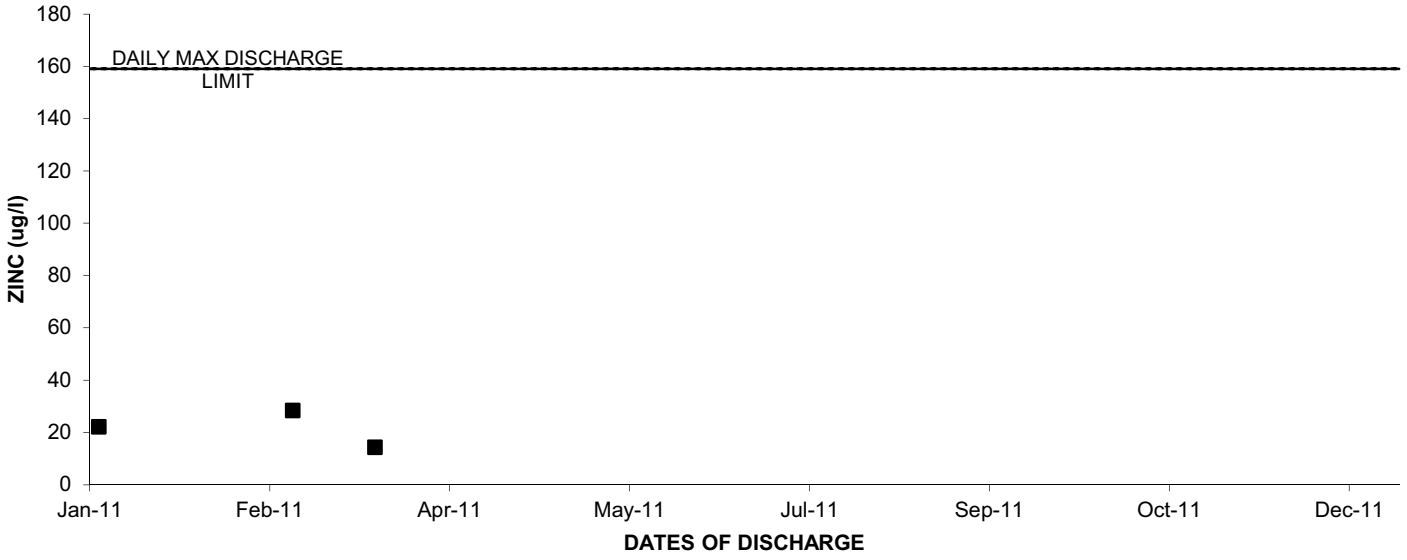
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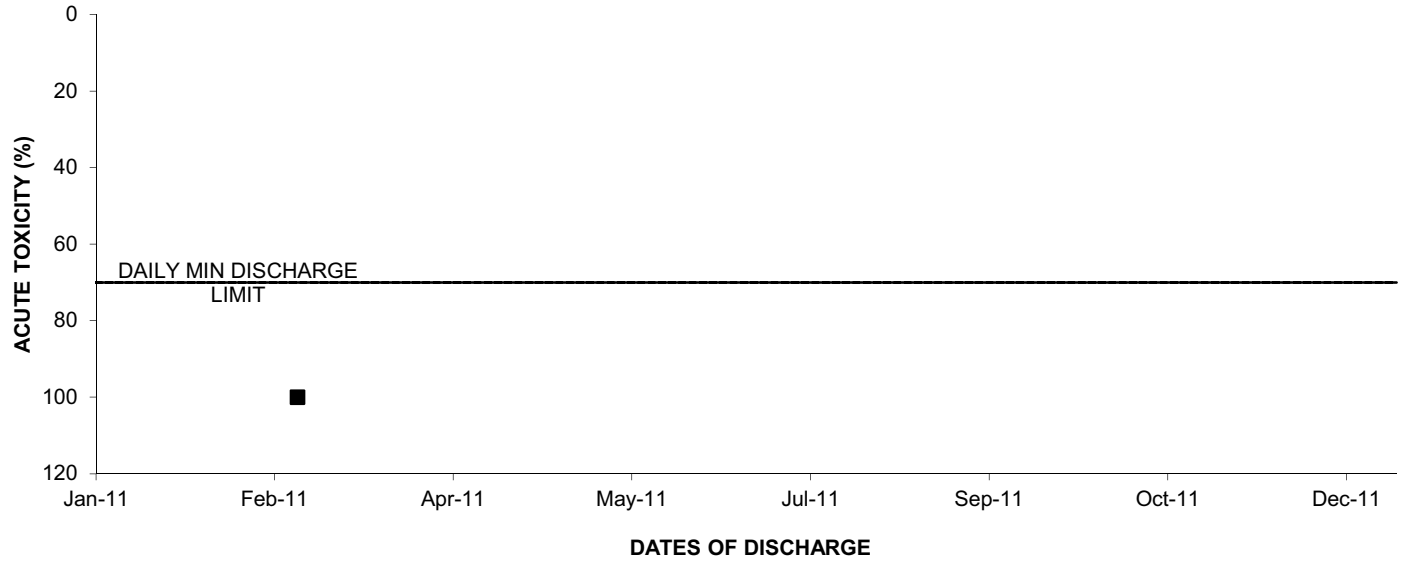
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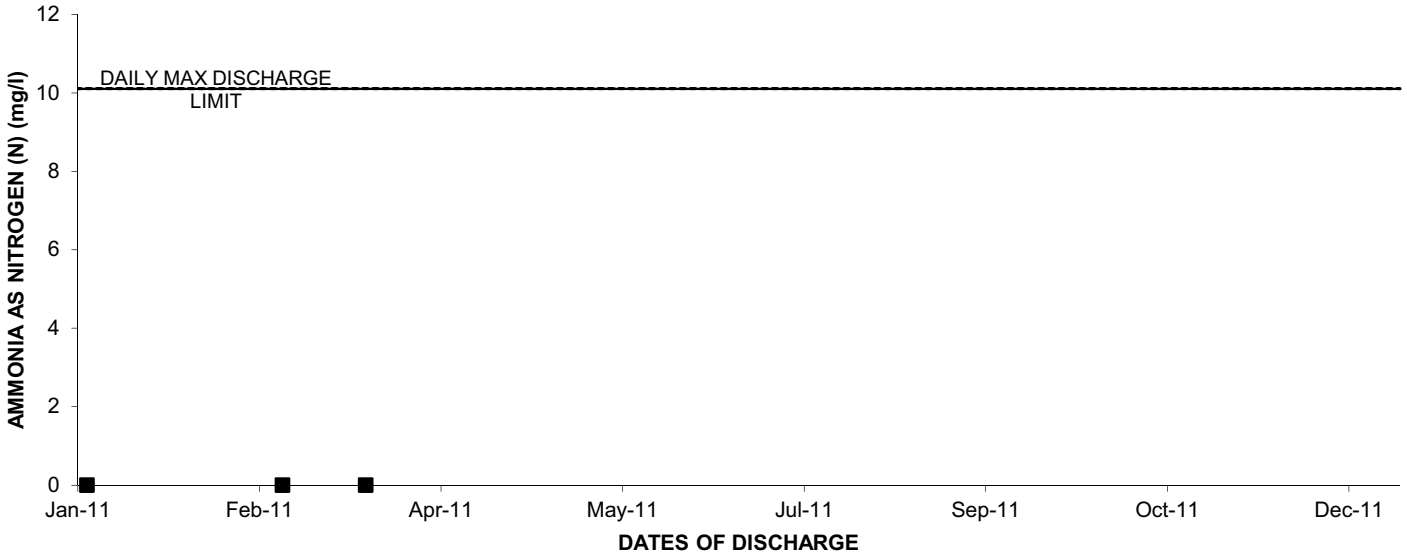
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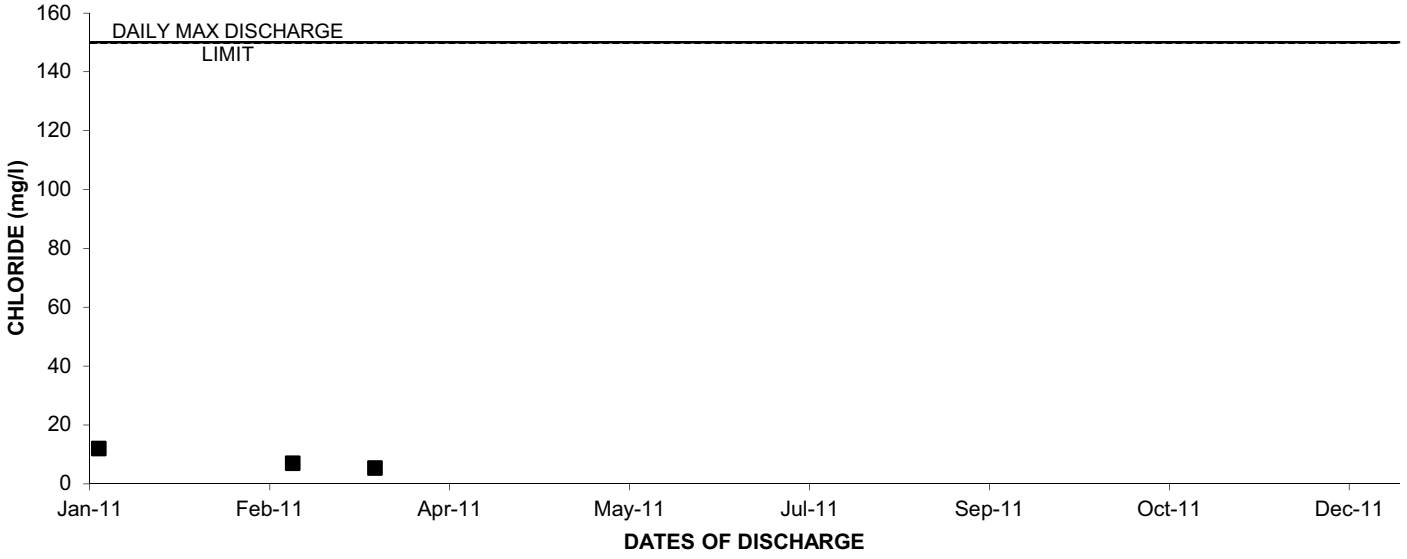
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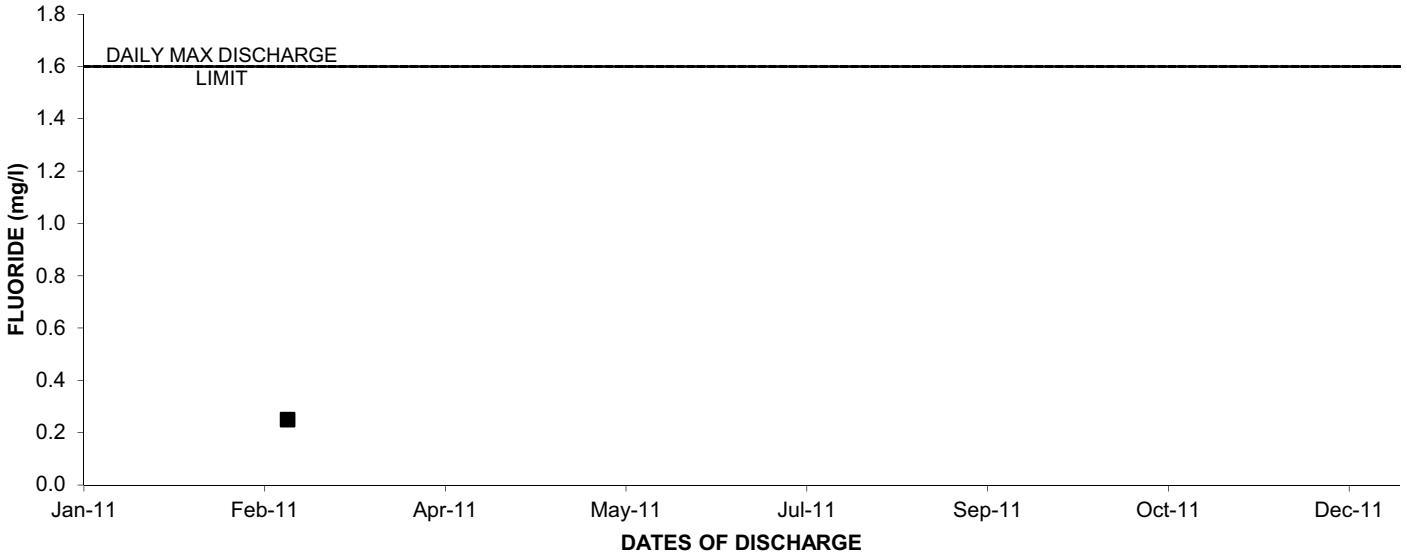
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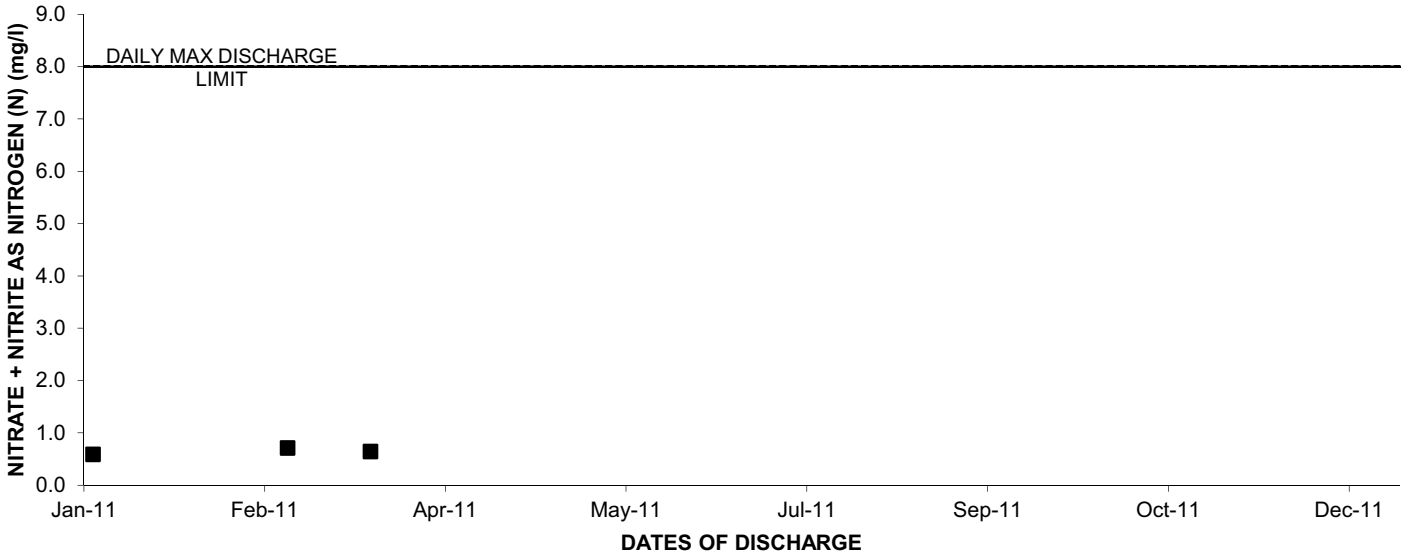
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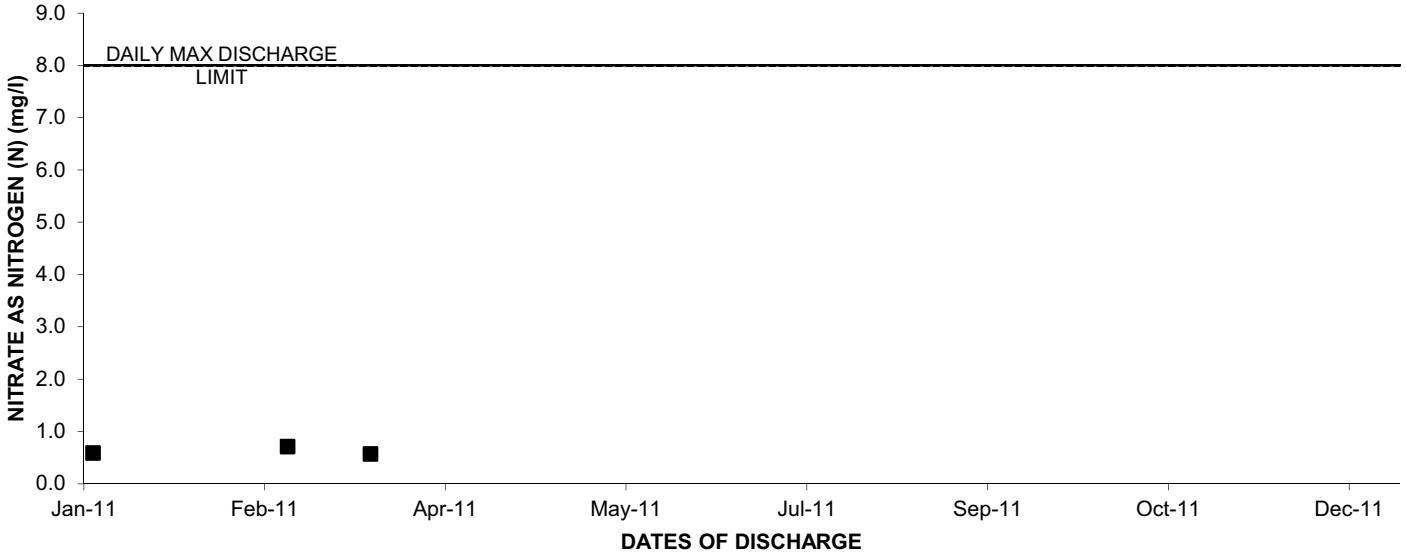
2011: OUTFALL 008 FLUORIDE



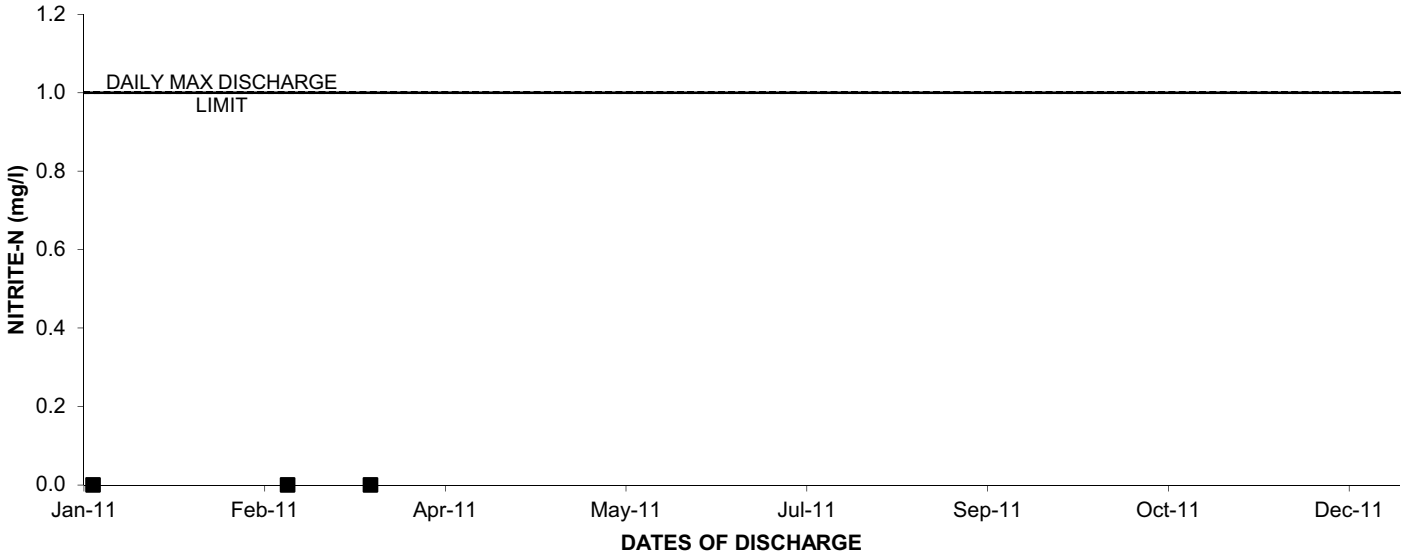
2011: OUTFALL 008 NITRATE + NITRITE AS NITROGEN (N)



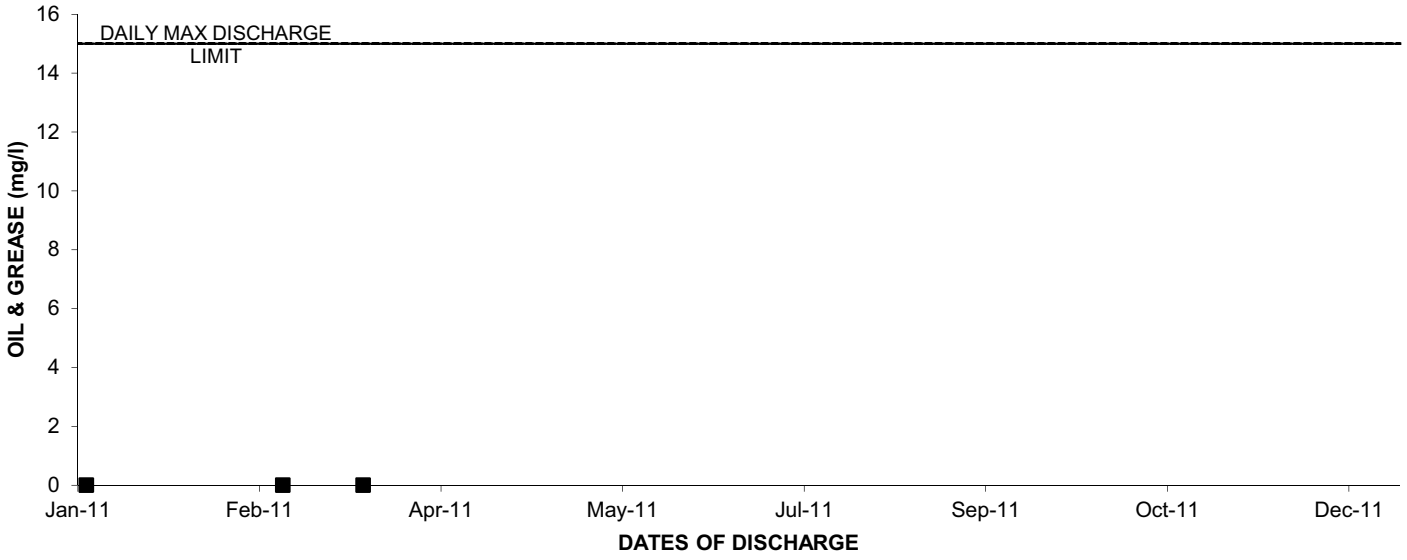
2011: OUTFALL 008 NITRATE AS NITROGEN (N)



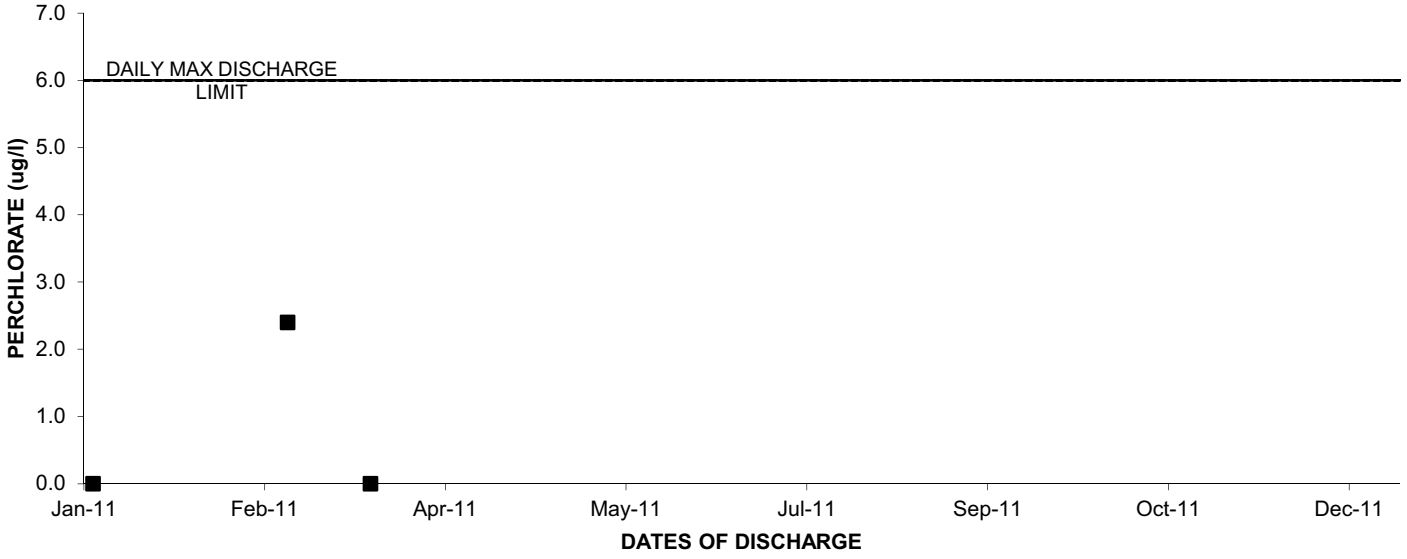
2011: OUTFALL 008 NITRITE-N



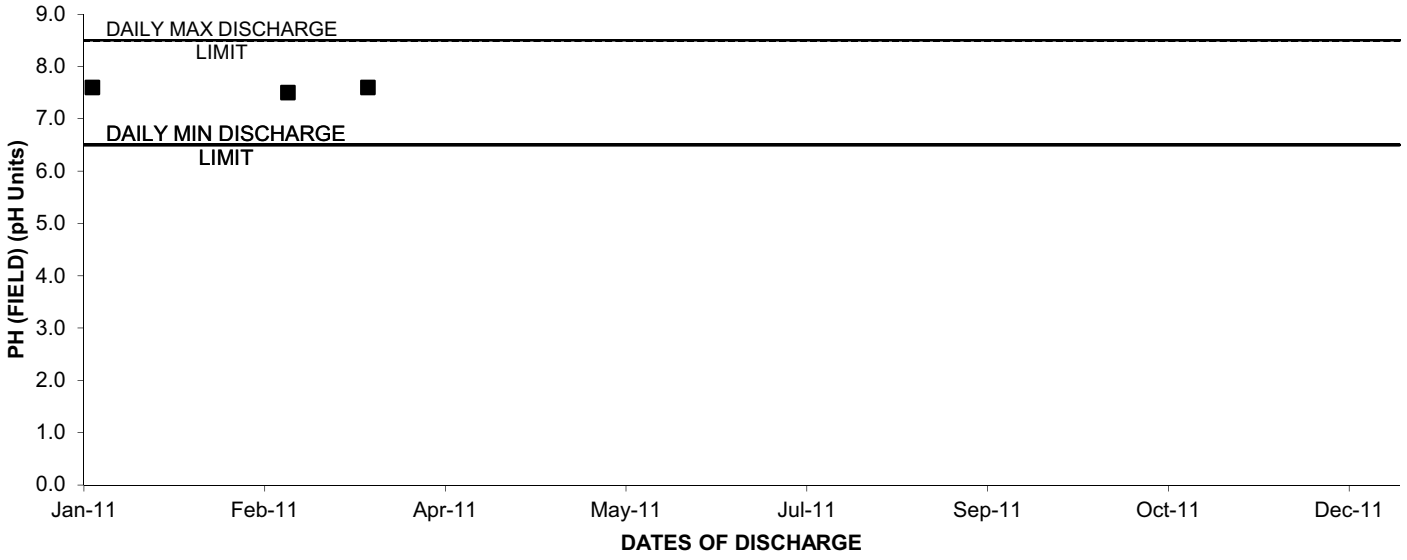
2011: OUTFALL 008 OIL & GREASE



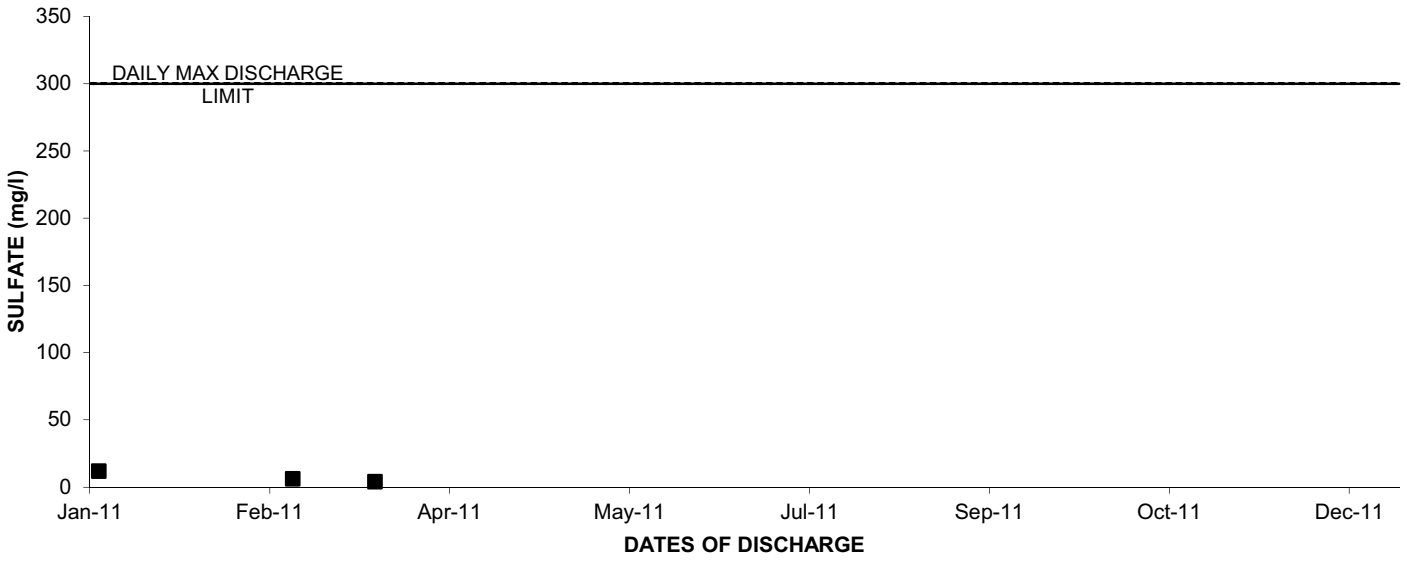
2011: OUTFALL 008 PERCHLORATE



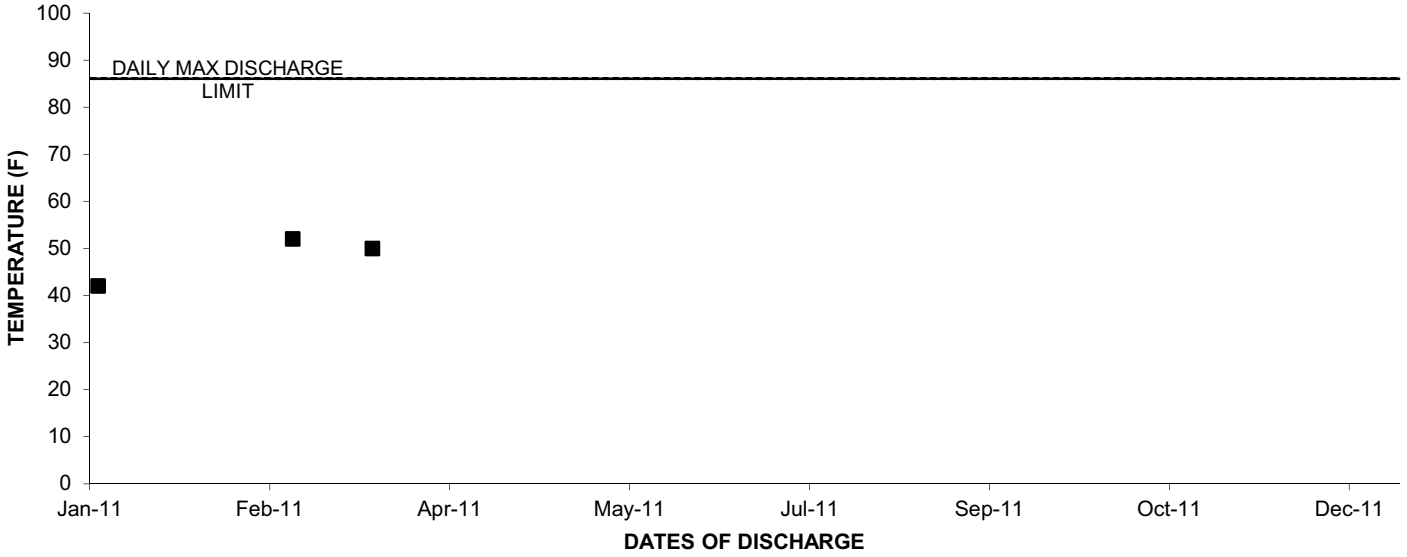
2011: OUTFALL 008 PH (FIELD)



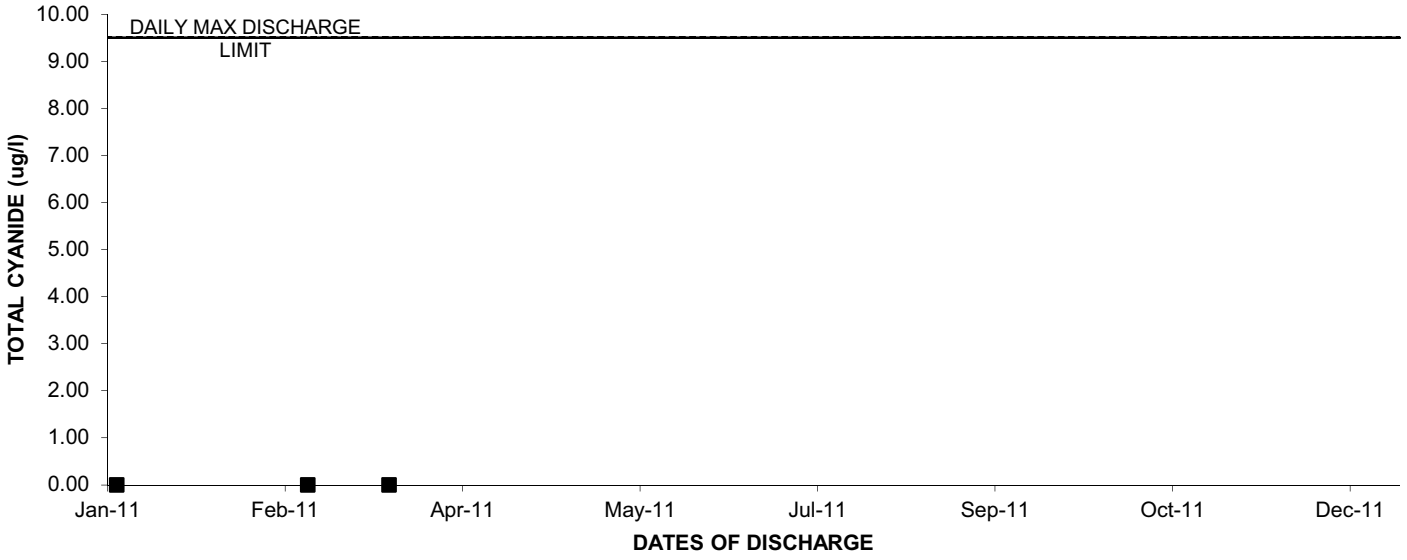
2011: OUTFALL 008 SULFATE



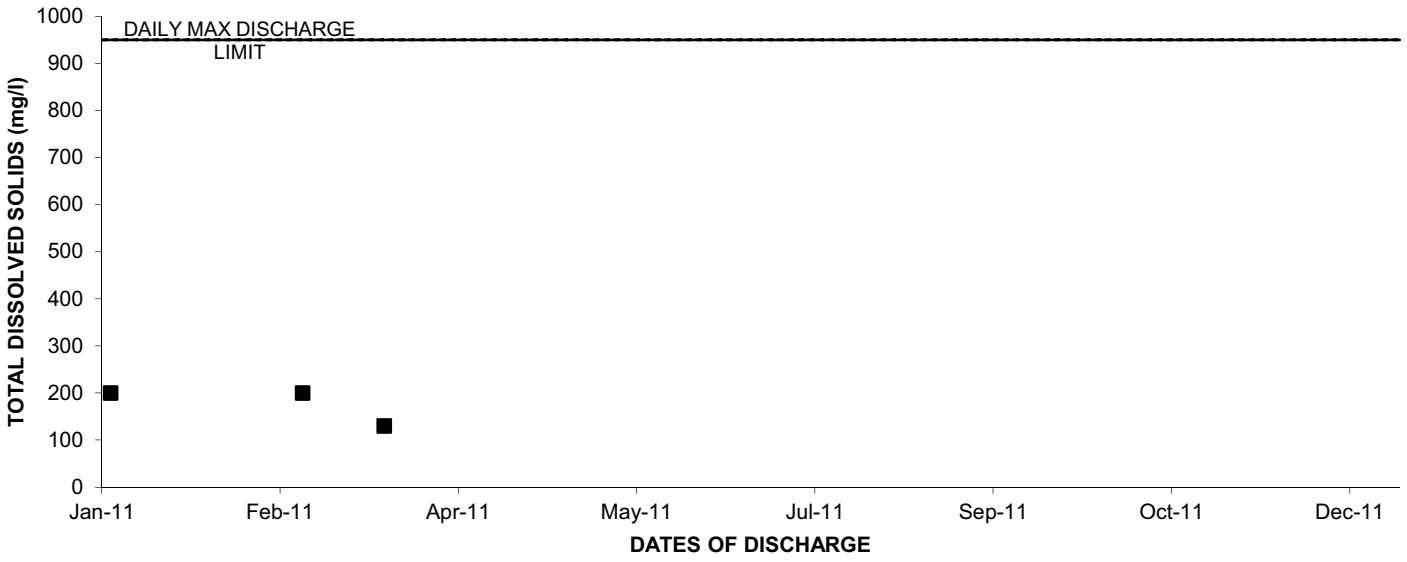
2011: OUTFALL 008 TEMPERATURE



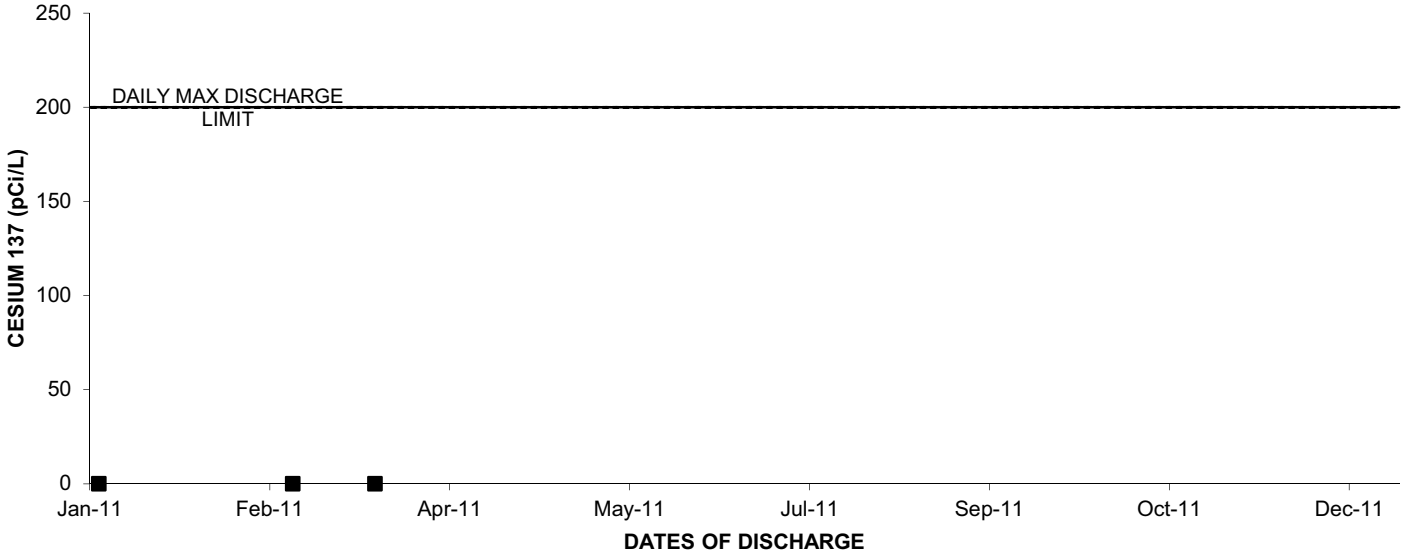
2011: OUTFALL 008 TOTAL CYANIDE



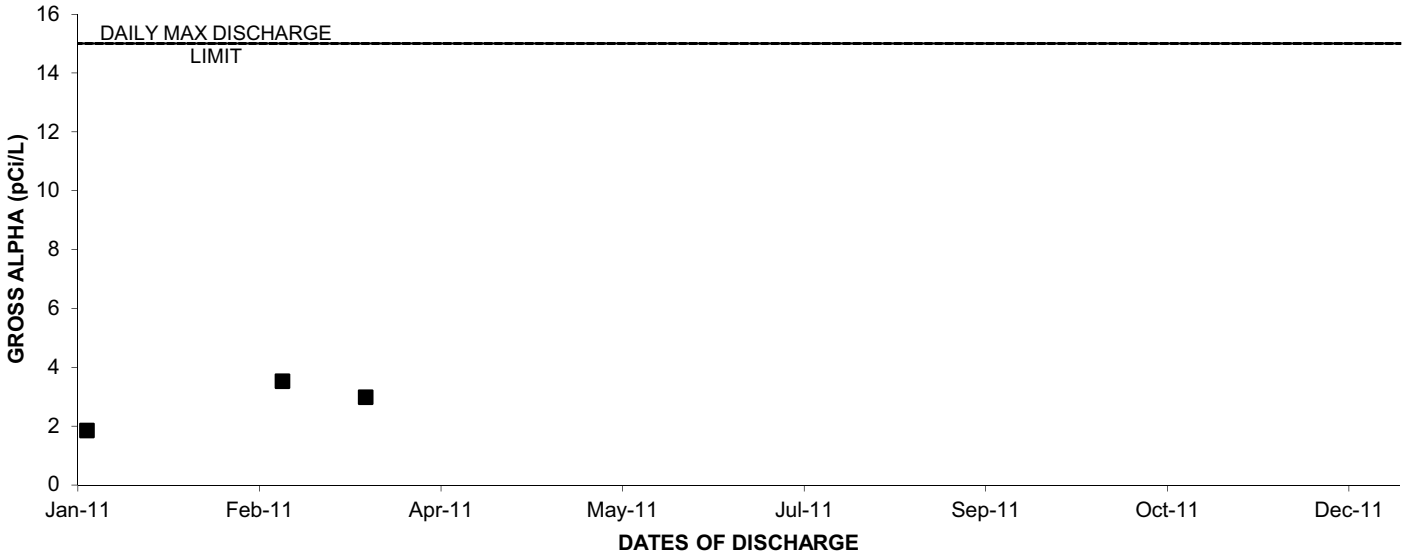
2011: OUTFALL 008 TOTAL DISSOLVED SOLIDS



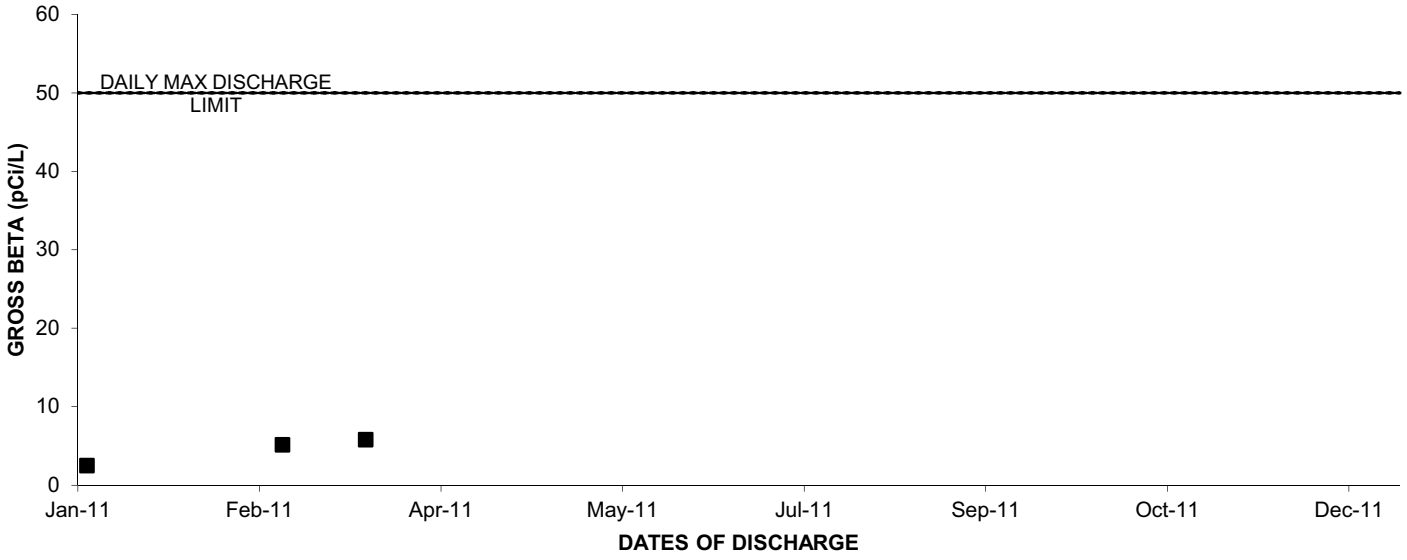
2011: OUTFALL 008 CESIUM 137



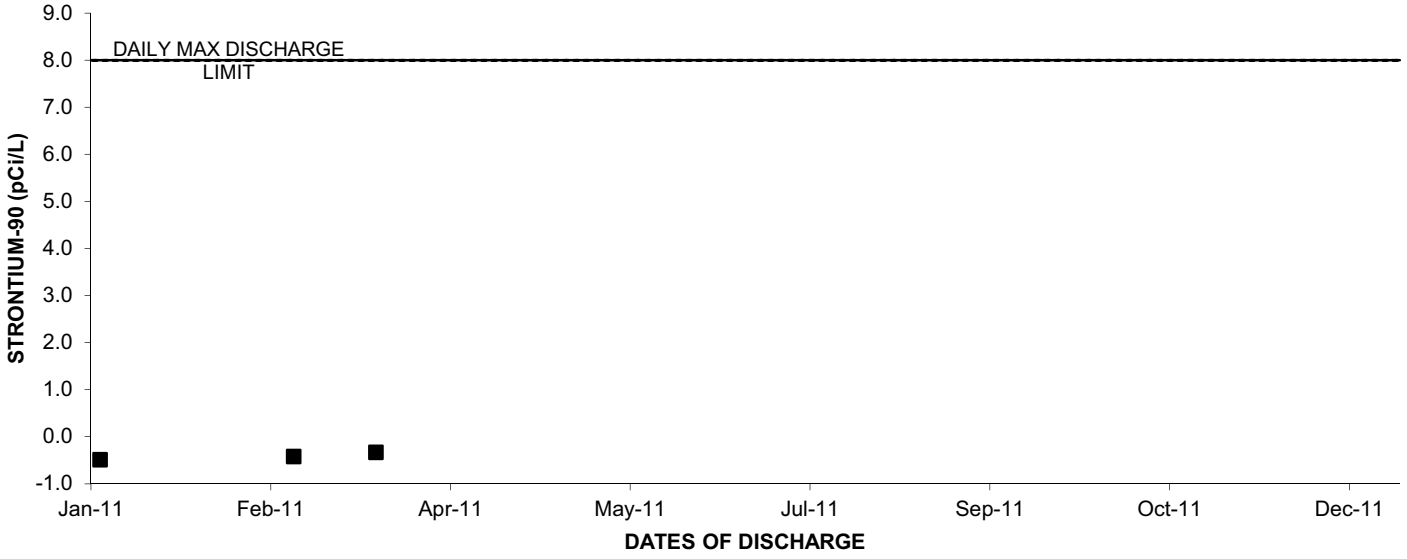
2011: OUTFALL 008 GROSS ALPHA



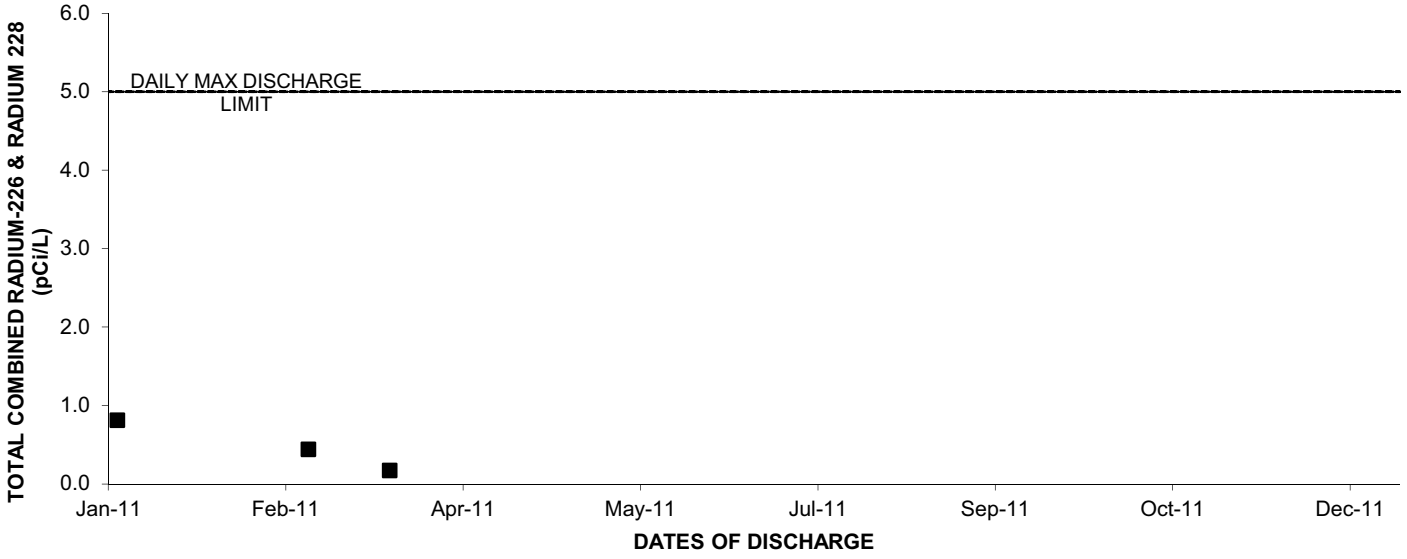
2011: OUTFALL 008 GROSS BETA



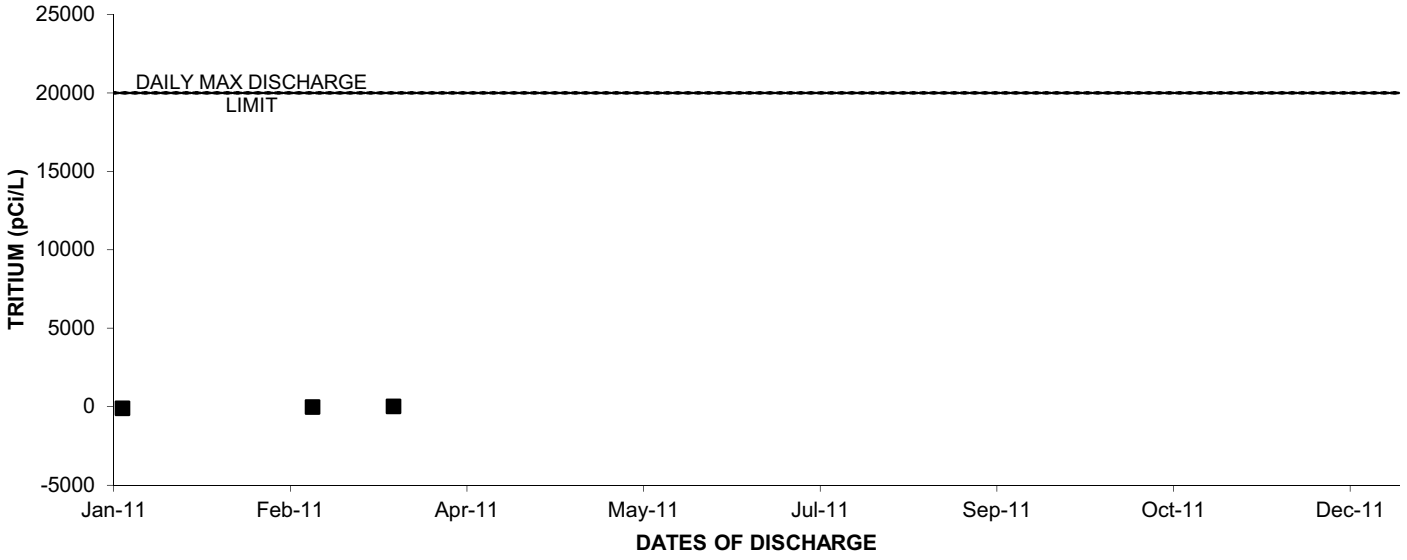
2011: OUTFALL 008 STRONTIUM-90

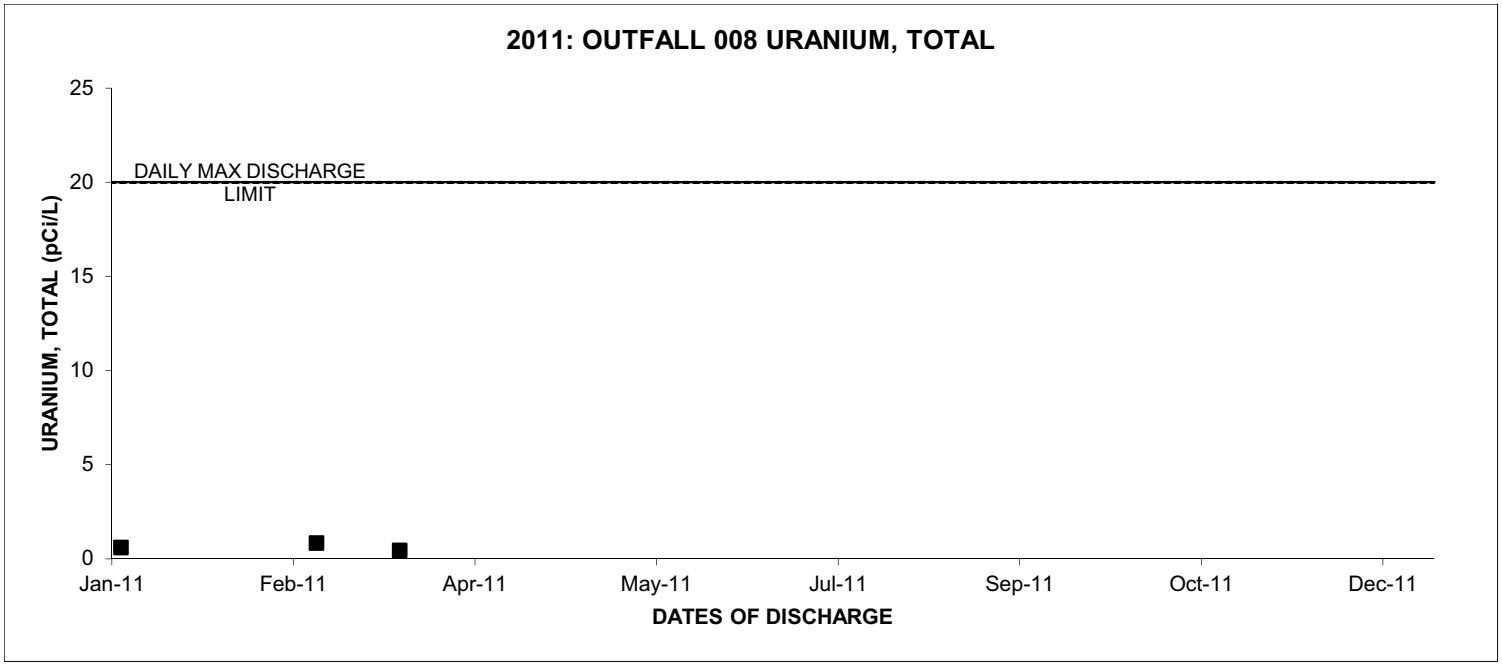


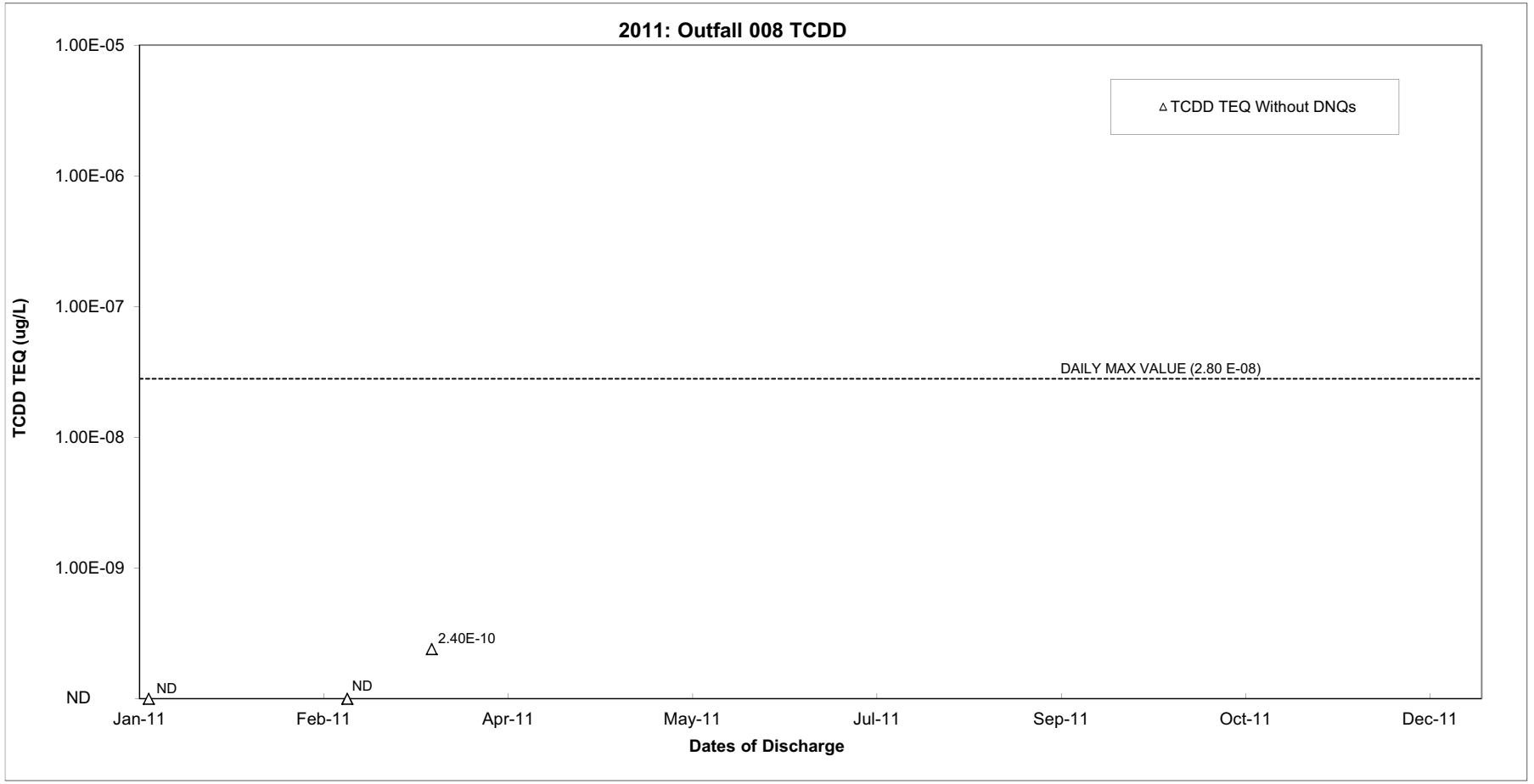
2011: OUTFALL 008 TOTAL COMBINED RADIUM-226 & RADIUM 228



2011: OUTFALL 008 TRITIUM




2011: OUTFALL 008 URANIUM, TOTAL
25
20
15
10
5
0
DAILY MAX DISCHARGE LIMIT
URANIUM, TOTAL (pCi/L)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 008 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
2.40E-10
ND
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 5

OUTFALL 009 (WS-13 DRAINAGE)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011			2/16/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	Comp	ND < 2.2	U
Chloride	mg/L	150/-	Comp	5.8	*	Comp	1.8	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	Comp	0.12	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.52	*	Comp	0.33	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	Grab	1200	*
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	Grab	1200	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.1	*	Grab	7.8	*
Sulfate	mg/L	250/-	Comp	7.4	*	Comp	3.9	*
Temperature	deg. F	86/-	Grab	41	*	Grab	52	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	75	*	Comp	66	*
Hardness	mg/L	-/-	ANR	ANR	ANR	Comp	23	--
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	23	--
Total Suspended Solids	mg/L	-/-	Comp	2.0	J (DNQ)	Comp	1.0	J (DNQ)
Volume Discharged	MGD	17.8/-	Meas	0.160945	*	Meas	0.00725	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	Comp	410	J (Q)
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	130	--
Antimony	ug/L	6.0/-	Comp	1.9	Ja* (DNQ)	Comp	0.32	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	1.7	Ja* (DNQ)	Comp	0.30	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	ANR	ANR	ANR	Comp	0.047	J (DNQ)
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.043	J (DNQ)
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	Comp	6.2	--
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	6.3	--
Chromium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	*
Copper	ug/L	14/-	Comp	3.34	*	Comp	3.06	*
Copper, dissolved	ug/L	-/-	Comp	2.59	*	Comp	2.11	*
Iron	mg/L	-/-	ANR	ANR	ANR	Comp	0.50	--
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	0.061	--
Lead	ug/L	5.2/-	Comp	1.87	*	Comp	1.2	*
Lead, dissolved	ug/L	-/-	Comp	0.29	Ja* (DNQ)	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	Comp	1.7	--
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	Comp	1.7	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.0	U
Selenium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.50	*
Silver	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.0	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011			2/16/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.0	U
Zinc	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.00	U
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 6.00	U
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	*
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
Toluene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.34	*
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.37	*
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.29	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.62	*
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.90	*
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 7.14	*
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0029	*
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 5.24	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011			2/16/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Acrolein	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	Grab	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0014	*
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 9.52	*
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.90	*
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
beta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	C*
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
Chlordane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.077	*
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.010	U
Chrysene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.22	*
delta-BHC	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0034	*
Diazinon	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.10	U
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0029	*
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0029	*
Endrin	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0019	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011			2/16/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Fluorene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Heptachlor	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0029	*
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 4.76	*
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Isophorone	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.0029	*
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.95	*
Naphthalene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.86	*
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 2.38	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	C*
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.90	*
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.33	*
Phenol	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 1.90	*
Pyrene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 3.81	*
Toxaphene	ug/L	-/-	ANR	ANR	ANR	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*

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OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/25/2011			3/3/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	4.3	*	Comp	7.2	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.62	*	Comp	0.35	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	5.0	*	Comp	11	*
Temperature	deg. F	86/-	Grab	49	*	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	95	*	Comp	130	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	6.0	Ja* (DNQ)	Comp	ND < 1.0	*
Volume Discharged	MGD	17.8/-	Meas	0.613675	*	Meas	0.044685	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.74	B, Ja* (DNQ)	Comp	0.73	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.80	Ja* (DNQ)	Comp	0.79	J* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	0.16	B, Ja* (DNQ)	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	0.13	J* (DNQ)
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	3.17	*	Comp	2.77	*
Copper, dissolved	ug/L	-/-	Comp	1.90	Ja*	Comp	2.72	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.94	Ja* (DNQ)	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	0.22	Ja* (DNQ)	Comp	0.23	J* (DNQ)
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/25/2011			3/3/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/25/2011			3/3/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/25/2011			3/3/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	7.7	*	Comp	2.8	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	ND < 0.15	*	Comp	0.54	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	Comp	1600	*
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	Comp	1600	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	7.6	*
Sulfate	mg/L	250/-	Comp	11	*	Comp	3.2	*
Temperature	deg. F	86/-	Grab	50	*	Grab	49	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	150	*	Comp	62	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	7.0	J (DNQ)	Comp	47	--
Volume Discharged	MGD	17.8/-	Meas	0.020805	*	Meas	11.64588	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.63	J* (DNQ)	Comp	0.84	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.88	J* (DNQ)	Comp	0.72	Ja* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	0.14	J* (DNQ)	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	3.24	*	Comp	4.92	*
Copper, dissolved	ug/L	-/-	Comp	2.86	*	Comp	1.96	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	0.42	J* (DNQ)	Comp	5.1	*
Lead, dissolved	ug/L	-/-	Comp	0.34	J* (DNQ)	Comp	0.55	Ja* (DNQ)
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/7/2011			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	0.20	J* (DNQ)	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			3/7/2011			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			3/25/2011			3/30/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	Grab	30.0	--	Grab	2.00	--
Fecal Coliform	MPN/100 ml	-/-	Grab	30.0	--	Grab	2.00	--
Oil & Grease	mg/L	15/-	ANR	ANR	ANR	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	mg/L	250/-	ANR	ANR	ANR	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Cyanide	ug/L	9.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	Meas	3.139235	*	Meas	0.125845	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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THE BOEING COMPANY
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January 1 through December 31, 2011

			3/25/2011			3/30/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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January 1 through December 31, 2011

			3/25/2011			3/30/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			3/25/2011			3/30/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			4/4/2011			4/8/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	Grab	8.00	*	Grab	2.00	*
Fecal Coliform	MPN/100 ml	-/-	Grab	8.00	*	Grab	2.00	*
Oil & Grease	mg/L	15/-	ANR	ANR	ANR	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	mg/L	250/-	ANR	ANR	ANR	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Cyanide	ug/L	9.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Dissolved Solids	mg/L	850/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Volume Discharged	MGD	17.8/-	ANR	ANR	ANR	ANR	ANR	ANR
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			4/4/2011			4/8/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			4/4/2011			4/8/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			4/4/2011			4/8/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			10/5/2011			11/6/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	2.6	*	Comp	2.0	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.70	*	Comp	0.65	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.1	*	Grab	7.9	*
Sulfate	mg/L	250/-	Comp	6.5	*	Comp	4.2	*
Temperature	deg. F	86/-	Grab	60	*	Grab	58	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	M1, pH, P*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	55	*	Comp	50	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	6.0	J (DNQ)	Comp	6.0	J (DNQ)
Volume Discharged	MGD	17.8/-	Meas	0.05181	*	Meas	0.03588	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.57	Ja* (DNQ)	Comp	0.54	J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.65	Ja* (DNQ)	Comp	0.35	J*
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	6.5	*	Comp	3.5	*
Copper, dissolved	ug/L	-/-	Comp	6.2	*	Comp	4.3	*
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.7	*	Comp	1.5	*
Lead, dissolved	ug/L	-/-	Comp	0.94	Ja* (DNQ)	Comp	0.40	J*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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			10/5/2011			11/6/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	0.23	J* (DNQ)
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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			10/5/2011			11/6/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Comp	1.0	*	Comp	1.0	*
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/5/2011			11/6/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/12/2011			11/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	1.7	*	Comp	1.8	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.59	*	Comp	0.40	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	6.9	*	Grab	7.4	*
Sulfate	mg/L	250/-	Comp	5.2	*	Comp	22	*
Temperature	deg. F	86/-	Grab	58	*	Grab	60	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	41	*	Comp	50	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	2.0	J (DNQ)	Comp	4.0	J (DNQ)
Volume Discharged	MGD	17.8/-	Meas	0.105005	*	Meas	0.088575	*
METALS								
Aluminum	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	Comp	ND < 0.30	*	Comp	ND < 0.30	*
Arsenic	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.8	*	Comp	1.6	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	2.1	*	Comp	1.8	Ja* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	2.4	*	Comp	1.1	*
Lead, dissolved	ug/L	-/-	Comp	0.52	J*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/12/2011			11/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/12/2011			11/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/12/2011			11/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

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THE BOEING COMPANY
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January 1 through December 31, 2011

			12/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Asbestos	MFL	-/-	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	1.2	--
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.40	--
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	U
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	6.9	*
Sulfate	mg/L	250/-	Comp	36	--
Temperature	deg. F	86/-	Grab	53	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	UJ (R)
Total Dissolved Solids	mg/L	850/-	Comp	69	--
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	6.0	J (DNQ)
Volume Discharged	MGD	17.8/-	Meas	0.09197	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	0.67	J (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.55	J (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.10	U
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.3	--
Copper, dissolved	ug/L	-/-	Comp	1.5	J (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	1.3	--
Lead, dissolved	ug/L	-/-	Comp	0.21	J (DNQ)
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			12/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Thallium	ug/L	2.0/-	Comp	ND < 1.0	U (B)
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	U
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			12/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			12/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date January 3, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.00E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	7.00E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	8.90E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	8.20E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.90E-07	5.00E-05	7.70E-07	J (DNQ)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	7.60E-07	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.10E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.50E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.20E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.90E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.10E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.50E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	5.70E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.00E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.60E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-06	1.00E-04	1.80E-04	--		0.0001	0.01	**1.80E-10**
OCDF	5.00E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**1.80E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 16, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	9.20E-07	5.00E-05	1.60E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	5.40E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	7.20E-07	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	6.50E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	4.20E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.20E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.30E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	5.60E-07	5.00E-05	6.50E-07	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.70E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.20E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	5.70E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	6.20E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	3.40E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	5.10E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.80E-06	1.00E-04	2.30E-04	--		0.0001	0.01	**2.30E-10**
OCDF	7.60E-07	1.00E-04	1.20E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 25, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.30E-06	5.00E-05	1.70E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	7.30E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.20E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	8.60E-07	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.30E-07	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	7.00E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	4.60E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	7.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	6.30E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.90E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.10E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.30E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.20E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	9.40E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	7.30E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.50E-06	1.00E-04	1.90E-04	--		0.0001	0.01	**1.90E-10**
OCDF	2.00E-06	1.00E-04	1.60E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**1.90E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 3, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.80E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.40E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.70E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.20E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.00E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.00E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	9.70E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.80E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.20E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.50E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.20E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	9.40E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	2.40E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.70E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	5.40E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.70E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	3.70E-06	1.00E-04	ND	U		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 7, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.00E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.90E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.00E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.90E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.00E-06	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.60E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.80E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.30E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	9.80E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	2.50E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.80E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.20E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.80E-06	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	4.10E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.20E-06	5.00E-05	1.50E-04	--		0.01	0.05	**7.50E-08**
1,2,3,4,6,7,8-HpCDF	5.00E-06	5.00E-05	5.40E-05	--		0.01	0.01	**5.40E-09**
1,2,3,4,7,8,9-HpCDF	7.40E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	2.20E-06	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.10E-06	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.00E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.90E-06	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.80E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.60E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.80E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.70E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	1.90E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.80E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.30E-06	1.00E-05	1.90E-06	J (DNQ)		1	1	**ND**
2,3,7,8-TCDF	1.70E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.10E-05	1.00E-04	1.90E-03	--		0.0001	0.01	**1.90E-09**
OCDF	6.60E-06	1.00E-04	1.30E-04	--		0.0001	0.02	**2.60E-10**

TCDD TEQ w/out DNQ Values	**8.26E-08**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type: Composite
Sample Date: October 5, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	5.50E-06	5.00E-05	2.50E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	7.30E-06	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.00E-05	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	6.40E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	8.00E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.40E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	7.20E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	5.40E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	9.00E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.20E-05	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.40E-05	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	7.20E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.60E-05	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	4.30E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	5.30E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.70E-05	1.00E-04	2.30E-04	--		0.0001	0.01	**2.30E-10**
OCDF	1.00E-05	1.00E-04	ND	UJ (*III)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type: Composite
Sample Date: November 6, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.10E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	3.50E-07	5.00E-05	6.70E-06	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	4.70E-07	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	5.20E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	3.50E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	4.60E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.20E-07	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	4.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.60E-07	5.00E-05	ND	U (B)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.00E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	9.40E-07	5.00E-05	1.60E-06	J (DNQ)		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.10E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.00E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	5.80E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	7.50E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.50E-06	1.00E-04	3.20E-04	--		0.0001	0.01	**3.20E-10**
OCDF	8.50E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**3.20E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type: Composite
Sample Date: November 12, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	1.80E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.10E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.50E-06	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.10E-06	5.00E-05	1.70E-06	J (DNQ)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	7.40E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.00E-06	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	7.00E-07	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.60E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	8.10E-07	5.00E-05	ND	U (B)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	2.80E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.30E-06	5.00E-05	ND	U (B)		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	6.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	2.40E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.30E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.80E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.80E-06	6.80E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	2.20E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type: Composite
Sample Date: November 20, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	8.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	8.10E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.20E-06	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	7.90E-07	5.00E-05	ND	U (B)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.40E-07	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	7.20E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	5.10E-07	5.00E-05	1.70E-06	J (DNQ)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	7.00E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	5.50E-07	5.00E-05	ND	U (B)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.60E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.60E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.60E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.80E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.40E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.10E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	3.40E-06	1.00E-04	4.20E-04	--		0.0001	0.01	**4.20E-10**
OCDF	2.20E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**4.20E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type: Composite
Sample Date: December 12, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	6.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	8.10E-07	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	1.10E-06	5.00E-05	ND	U (B)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.00E-06	5.00E-05	ND	U (B)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U (B)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	9.00E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	1.00E-06	5.00E-05	ND	U (B)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.10E-07	5.00E-05	ND	U (B)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.10E-06	5.00E-05	ND	U (B)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.90E-06	5.00E-05	ND	U (B)		1	0.9	**ND**
1,2,3,7,8-PeCDF	2.70E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	8.70E-07	5.00E-05	ND	U (B)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	3.20E-06	5.00E-05	ND	U (B)		0.5	1.6	**ND**
2,3,7,8-TCDD	1.10E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	2.10E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.60E-06	1.00E-04	2.00E-04	--		0.0001	0.01	**2.00E-10**
OCDF	1.30E-06	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.00E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/03/2011 (Comp)			02/16/2011 (Comp)			02/25/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.929 ± 0.34	0.378	J (C, DNQ)	0.515 ± 0.26	0.36	J (DNQ)	0.905 ± 0.30	0.343	J (C, DNQ)
Gross Beta	pCi/L	50/-	1.22 ± 0.58	0.891	J (DNQ)	1.13 ± 0.56	0.902	J (E, DNQ)	1.44 ± 0.57	0.903	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.02 ± 0.44	1.03	U	-0.121 ± 0.40	0.897	U	0.054 ± 0.43	0.997	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.63 ± 0.49	1.15	U	0.29 ± 0.42	1.11	U	0.83 ± 0.47	1.07	U
Tritium	pCi/L	20000/-	-84 ± 150	263	U	-103 ± 120	222	U	-50.6 ± 100	174	U
Uranium, Total	pCi/L	20/-	0.092 ± 0.012	0.016	J (DNQ)	0.092 ± 0.013	0.017	J (DNQ)	0.116 ± 0.016	0.022	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 23.9	23.9	U	ND < 16.8	16.8	U	ND < 21.5	21.5	U
Cesium 137	pCi/L	200/-	ND < 1.19	1.19	U	ND < 1.19	1.19	U	ND < 1.29	1.29	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/03/2011 (Comp)			03/07/2011 (Comp)			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.226 ± 0.22	0.341	UJ (C)	0.649 ± 0.31	0.359	J (C, DNQ)	2.29 ± 0.50	0.409	J (C, DNQ)
Gross Beta	pCi/L	50/-	1.42 ± 0.64	0.999	J (DNQ)	1.49 ± 0.65	1	J (DNQ)	8.13 ± 0.74	0.827	--
Strontium-90	pCi/L	8.0/-	-0.007 ± 0.49	1.11	U	-0.064 ± 0.44	1.04	U	-0.044 ± 0.34	0.798	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.42 ± 0.49	1.32	U	0.17 ± 0.47	1.23	U	0.09 ± 0.43	1.28	U
Tritium	pCi/L	20000/-	80.4 ± 89	146	U	81.6 ± 89	146	U	-35.9 ± 99	169	U
Uranium, Total	pCi/L	20/-	0.087 ± 0.032	0.025	J (DNQ)	0.141 ± 0.019	0.025	J (DNQ)	0.247 ± 0.030	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 21	21	U	ND < 24.7	24.7	U	ND < 30.8	30.8	U
Cesium 137	pCi/L	200/-	ND < 1.55	1.55	U	ND < 1.64	1.64	U	ND < 1.56	1.56	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/05/2011 (Comp)			11/06/2011 (Comp)			11/12/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	1.49 ± 0.39	0.327	J (DNQ)	0.563 ± 0.29	0.366	J (DNQ)	0.757 ± 0.29	0.335	J (L, DNQ)
Gross Beta	pCi/L	50/-	2.95 ± 0.58	0.798	J (DNQ)	1.7 ± 0.55	0.824	J (DNQ)	2.33 ± 0.64	0.945	J (DNQ)
Strontium-90	pCi/L	8.0/-	-0.047 ± 0.35	0.824	U	0.03 ± 0.26	0.511	U	0.015 ± 0.33	0.745	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.28 ± 0.44	1.09	U	0.33 ± 0.41	0.97	U	0.64 ± 0.44	1.04	U
Tritium	pCi/L	20000/-	-66.2 ± 120	206	U	-3.07 ± 92	156	U	-5.76 ± 220	142	U
Uranium, Total	pCi/L	20/-	0.07 ± 0.013	0.022	--	0.107 ± 0.014	0.017	J (DNQ)	0.061 ± 0.010	0.017	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 13	13	U	ND < 26.2	26.2	U	ND < 12.4	12.4	U
Cesium 137	pCi/L	200/-	ND < 1.06	1.06	U	ND < 0.966	0.966	U	ND < 1.07	1.07	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/20/2011 (Comp)			12/12/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	0.368 ± 0.19	0.209	J (DNQ)	0.621 ± 0.32	0.409	J (C, DNQ)
Gross Beta	pCi/L	50/-	1.64 ± 0.60	0.912	J (DNQ)	1.59 ± 0.59	0.896	J (DNQ)
Strontium-90	pCi/L	8.0/-	0.039 ± 0.37	0.798	U	0.094 ± 0.48	1.05	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.79 ± 0.53	1.35	U	0.11 ± 0.36	1.01	U
Tritium	pCi/L	20000/-	-20.4 ± 89	152	U	-33.7 ± 91	156	U
Uranium, Total	pCi/L	20/-	0.365 ± 0.040	0.017	J (DNQ)	0.05 ± 0.009	0.016	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 18	18	U	ND < 19.5	19.5	U
Cesium 137	pCi/L	200/-	ND < 1.25	1.25	U	ND < 1.6	1.6	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			1/3/2011			2/16/2011			2/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.26074		Meas	0.00725		Meas	0.61368	
Chloride	LBS/DAY	22,268/-	Comp	12.61	*	Comp	0.11	*	Comp	22.01	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	Comp	0.01	*	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	1.13	*	Comp	0.02	*	Comp	3.17	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	Comp	ND	*	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	16.09	*	Comp	0.24	*	Comp	25.59	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	163.09	*	Comp	3.99	*	Comp	486.21	*
Antimony	LBS/DAY	0.89/-	Comp	0.004	Ja* (DNQ)	Comp	0.00002	Ja* (DNQ)	Comp	0.004	B, Ja* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	Comp	0.003	J (DNQ)	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.01	*	Comp	0.0002	*	Comp	0.02	*
Lead	LBS/DAY	0.77/-	Comp	0.004	*	Comp	0.0001	*	Comp	0.005	Ja* (DNQ)
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	Comp	ND	U	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	3.91E-13	--	Comp	1.39E-14	--	Comp	9.72E-13	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/3/2011			3/7/2011			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.04469		Meas	0.02135		Meas	11.6459	
Chloride	LBS/DAY	22,268/-	Comp	2.68	*	Comp	1.37	*	Comp	271.95	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.13	*	Comp	ND	*	Comp	52.45	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	4.10	*	Comp	1.96	*	Comp	310.81	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	48.45	*	Comp	26.70	*	Comp	6021.85	*
Antimony	LBS/DAY	0.89/-	Comp	0.0003	J* (DNQ)	Comp	0.0001	J* (DNQ)	Comp	0.08	Ja* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.001	*	Comp	0.0006	*	Comp	0.48	*
Lead	LBS/DAY	0.77/-	Comp	ND	*	Comp	0.0001	J* (DNQ)	Comp	0.50	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	*	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	ND	--	Comp	ND	--	Comp	8.02E-09	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			10/5/2011			11/6/2011			11/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.05181		Meas	0.03588		Meas	0.10501	
Chloride	LBS/DAY	22,268/-	Comp	1.12	*	Comp	0.60	*	Comp	1.49	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.30	*	Comp	0.19	*	Comp	0.52	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	*	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	Comp	ND	U	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	2.81	*	Comp	1.26	*	Comp	4.55	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	M1, pH, P*	Comp	ND	*	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	23.77	*	Comp	14.96	*	Comp	35.91	*
Antimony	LBS/DAY	0.89/-	Comp	0.0002	Ja* (DNQ)	Comp	0.0002	J* (DNQ)	Comp	ND	*
Boron	LBS/DAY	148/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.003	*	Comp	0.001	*	Comp	0.002	*
Lead	LBS/DAY	0.77/-	Comp	0.001	*	Comp	0.0004	*	Comp	0.002	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	0.0001	J* (DNQ)	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	9.94E-14	--	Comp	9.58E-14	--	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 009 (WS-13 Drainage)

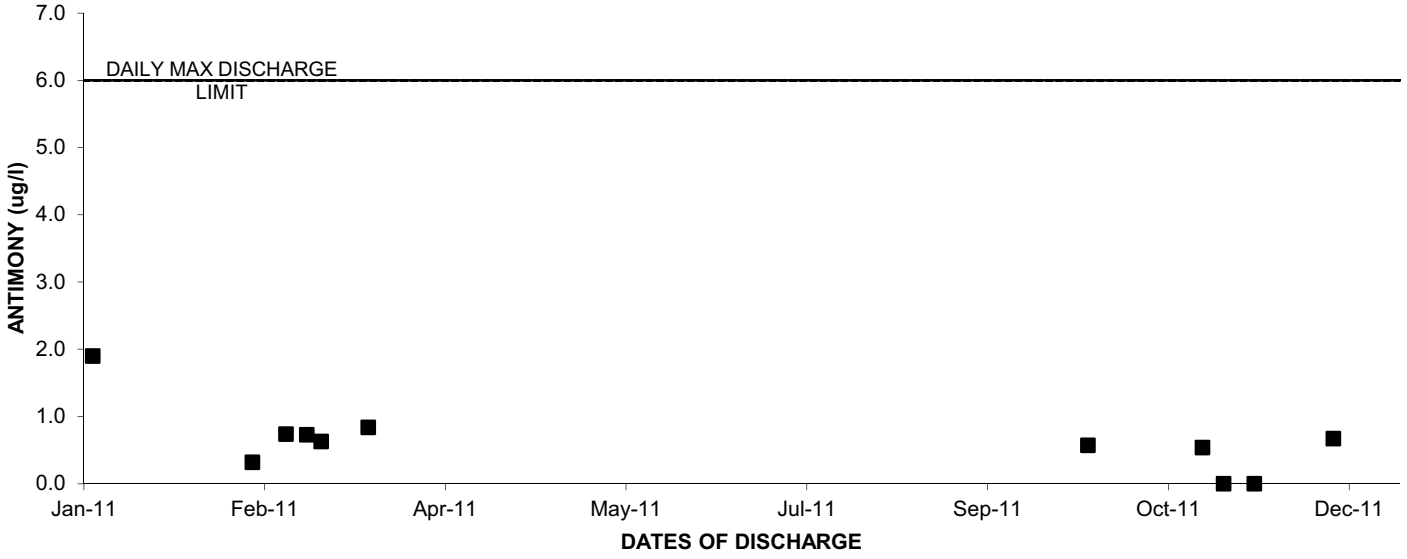
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

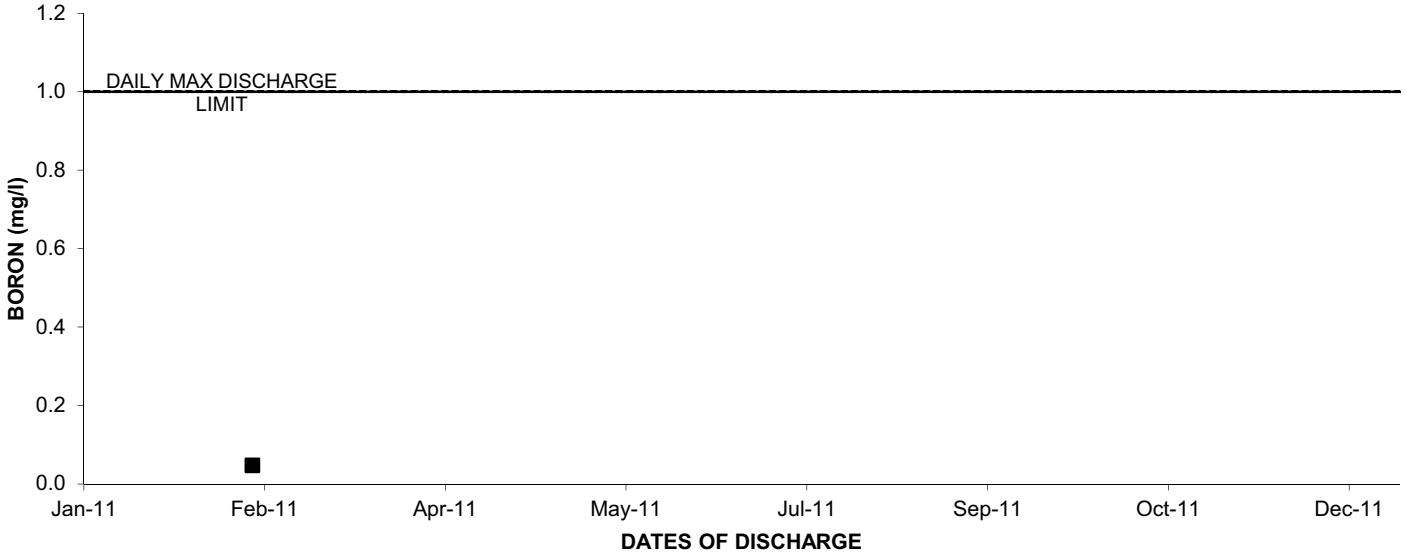
			11/20/2011			12/12/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.08858		Meas	0.09197	
Chloride	LBS/DAY	22,268/-	Comp	1.33	*	Comp	0.92	--
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.30	*	Comp	0.31	--
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*	Grab	ND	U
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	16.25	*	Comp	27.61	--
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*	Comp	ND	UJ (R)
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	36.94	*	Comp	52.93	--
Antimony	LBS/DAY	0.89/-	Comp	ND	*	Comp	0.001	J (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.001	Ja* (DNQ)	Comp	0.002	--
Lead	LBS/DAY	0.77/-	Comp	0.001	*	Comp	0.001	--
Mercury	LBS/DAY	0.02/-	Comp	ND	U	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	*	Comp	ND	U (B)
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	3.10E-13	--	Comp	1.53E-13	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

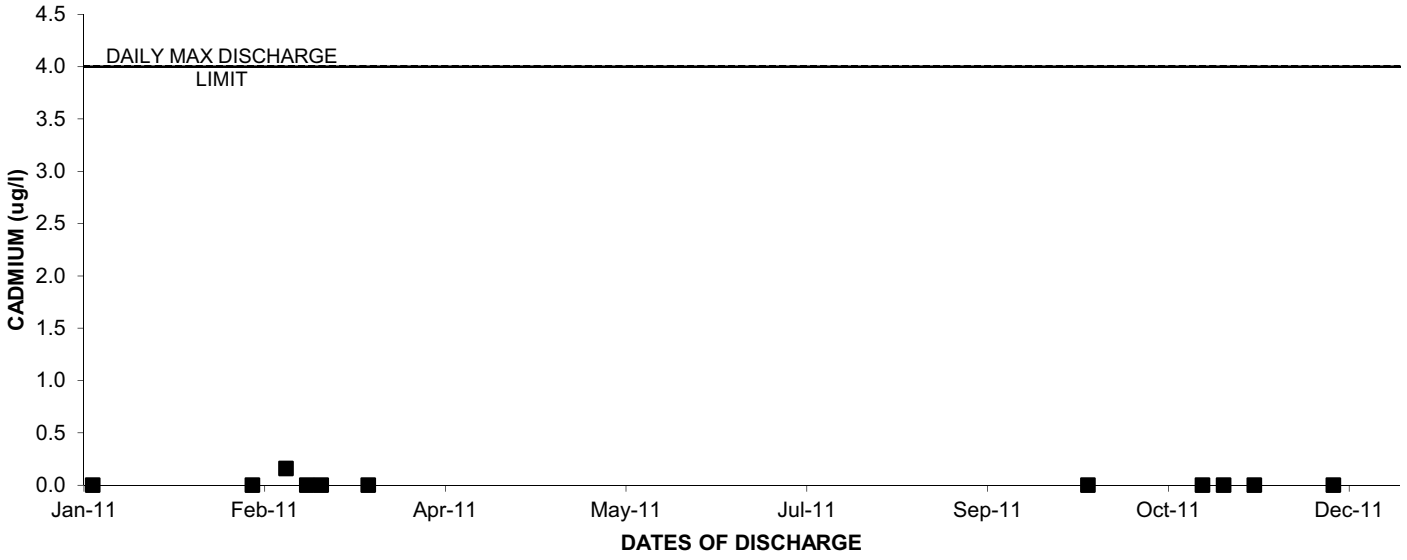
2011: OUTFALL 009 ANTIMONY



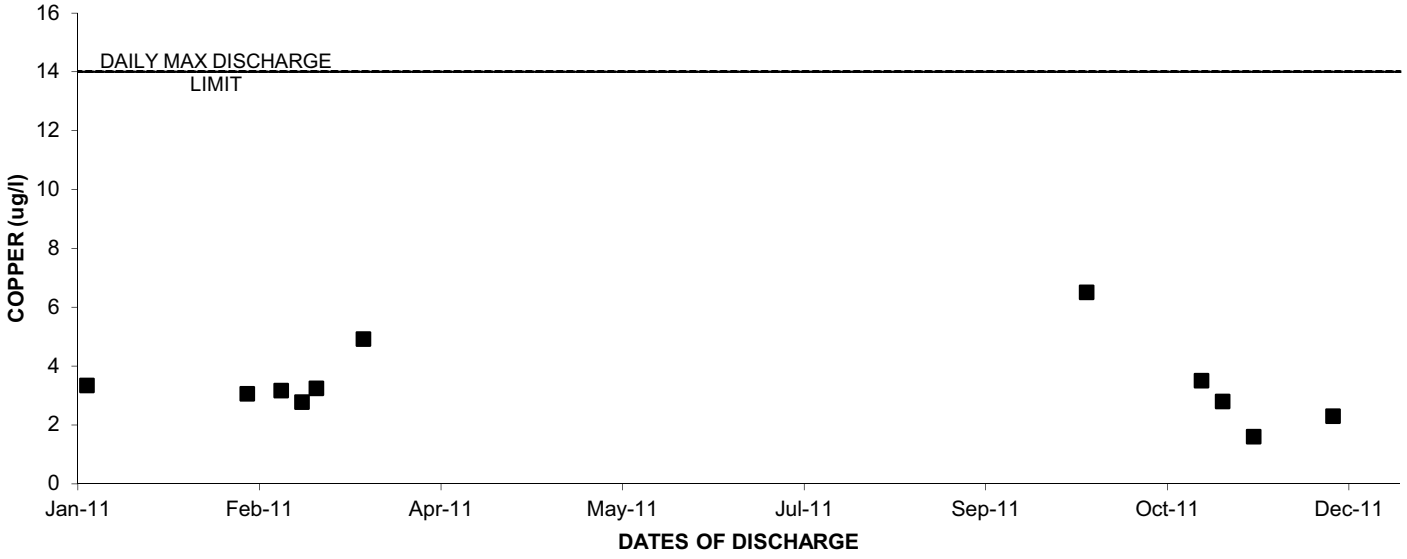
2011: OUTFALL 009 BORON



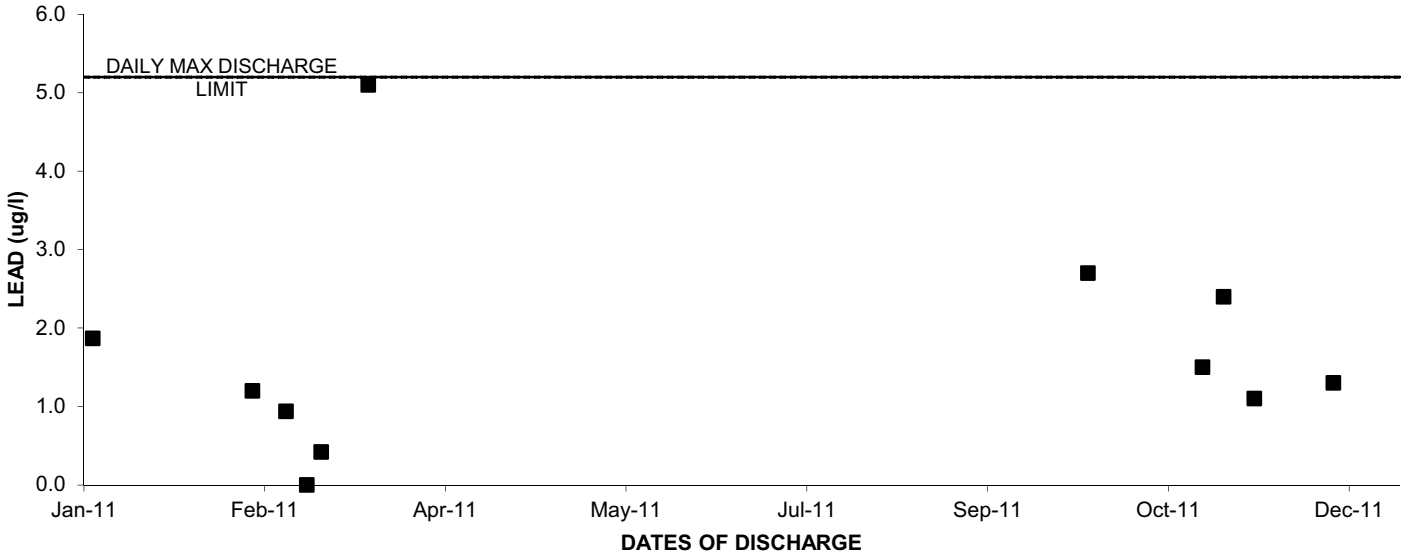
2011: OUTFALL 009 CADMIUM



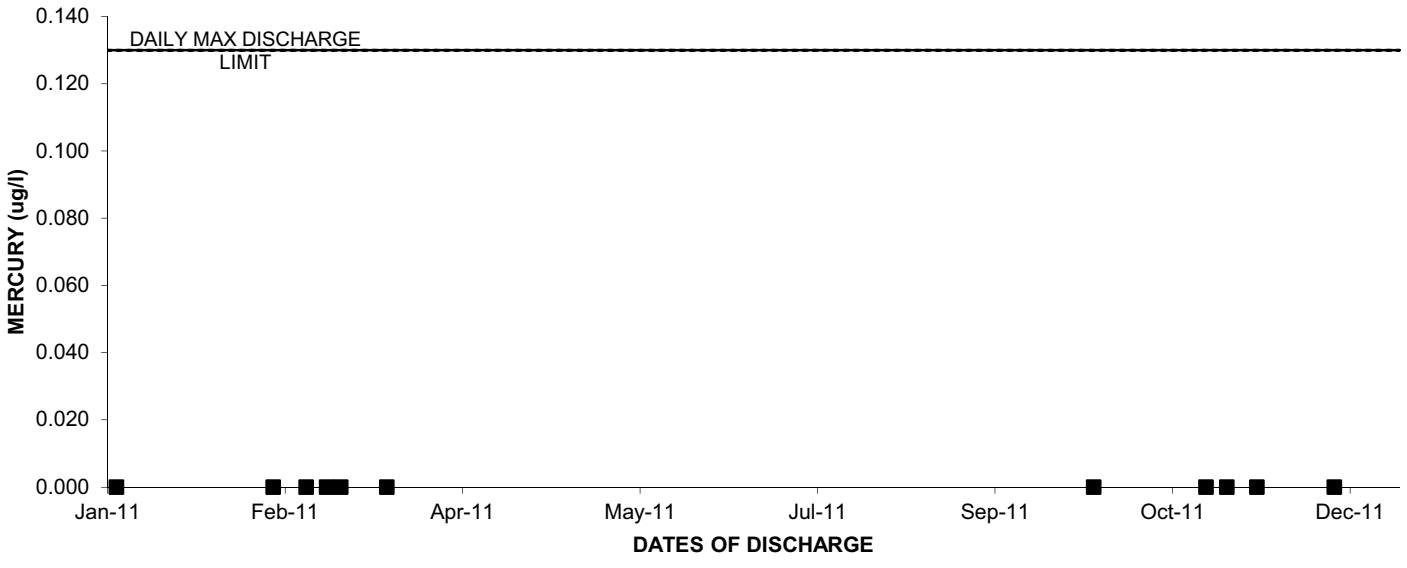
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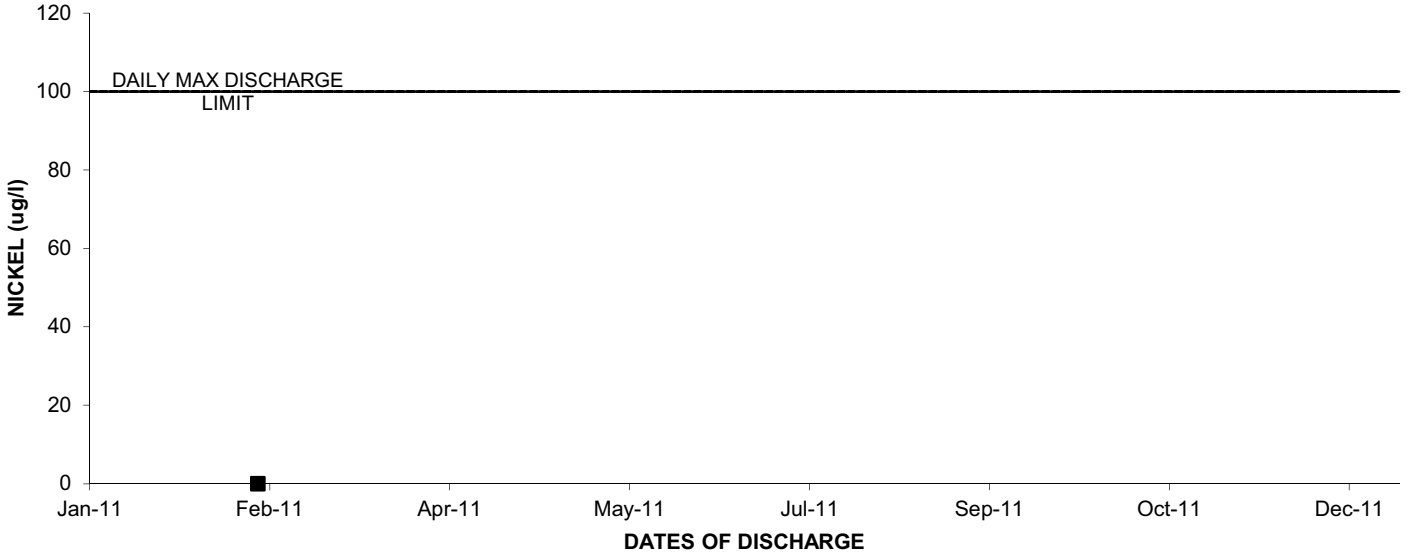
2011: OUTFALL 009 LEAD



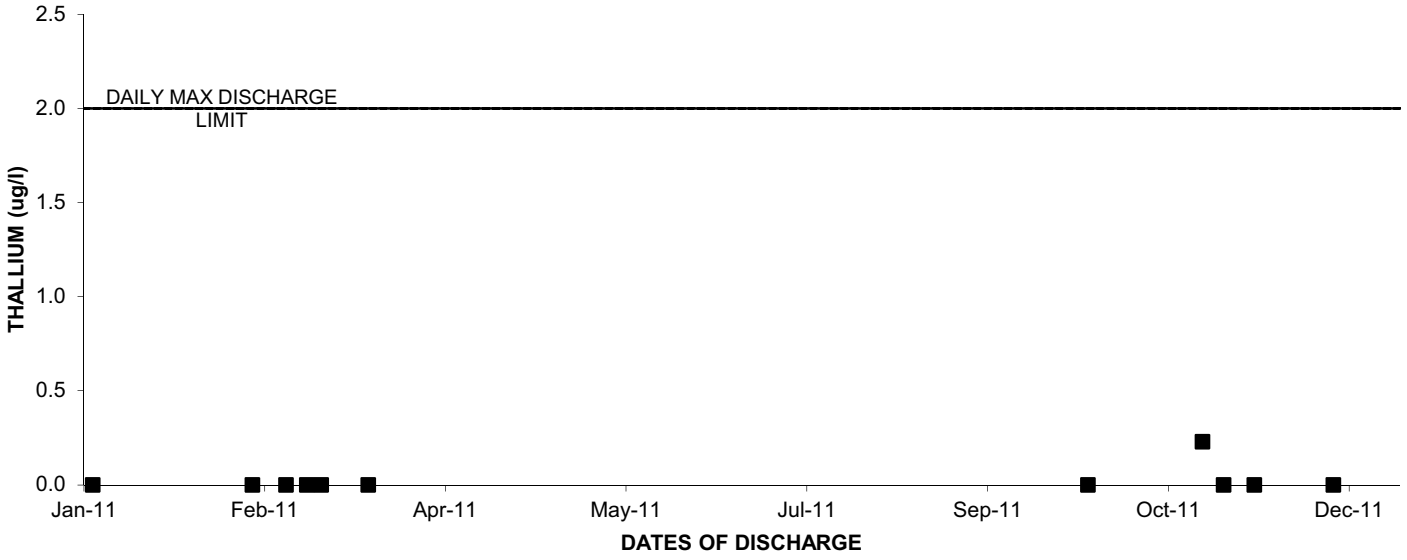
2011: OUTFALL 009 MERCURY



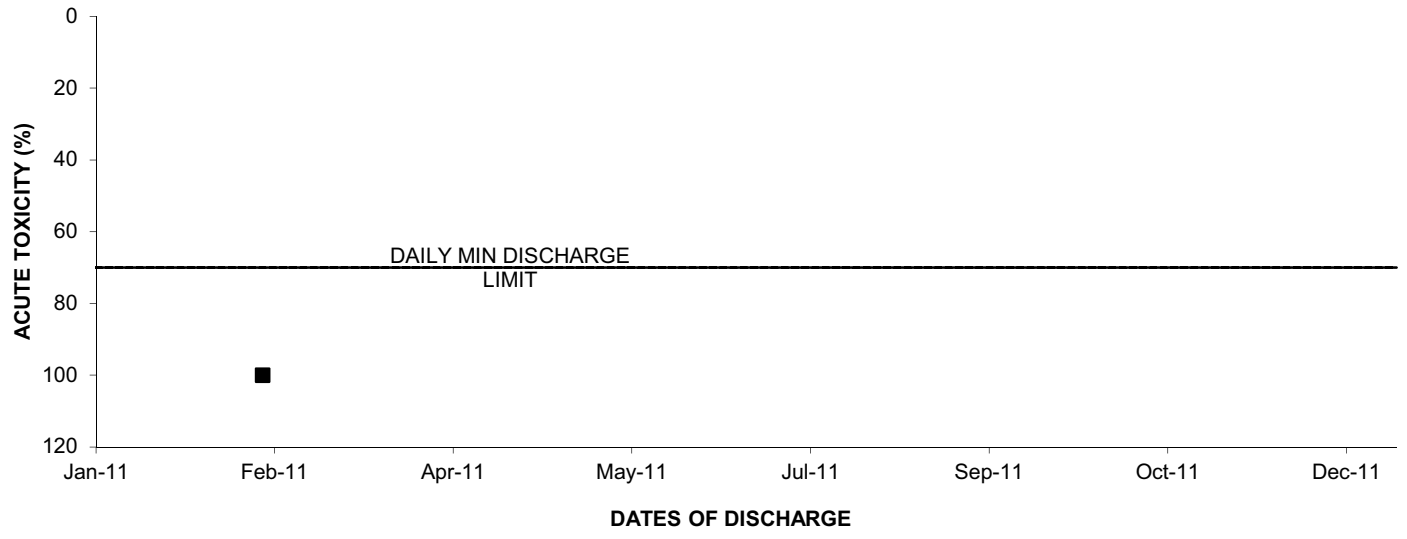
2011: OUTFALL 009 NICKEL



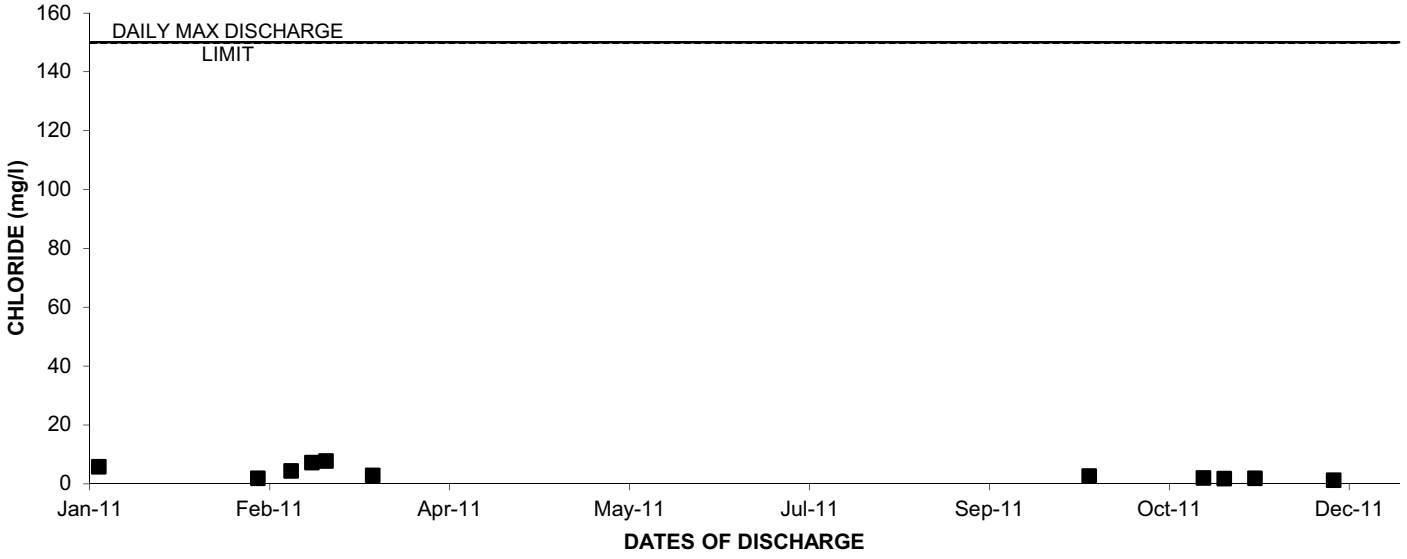
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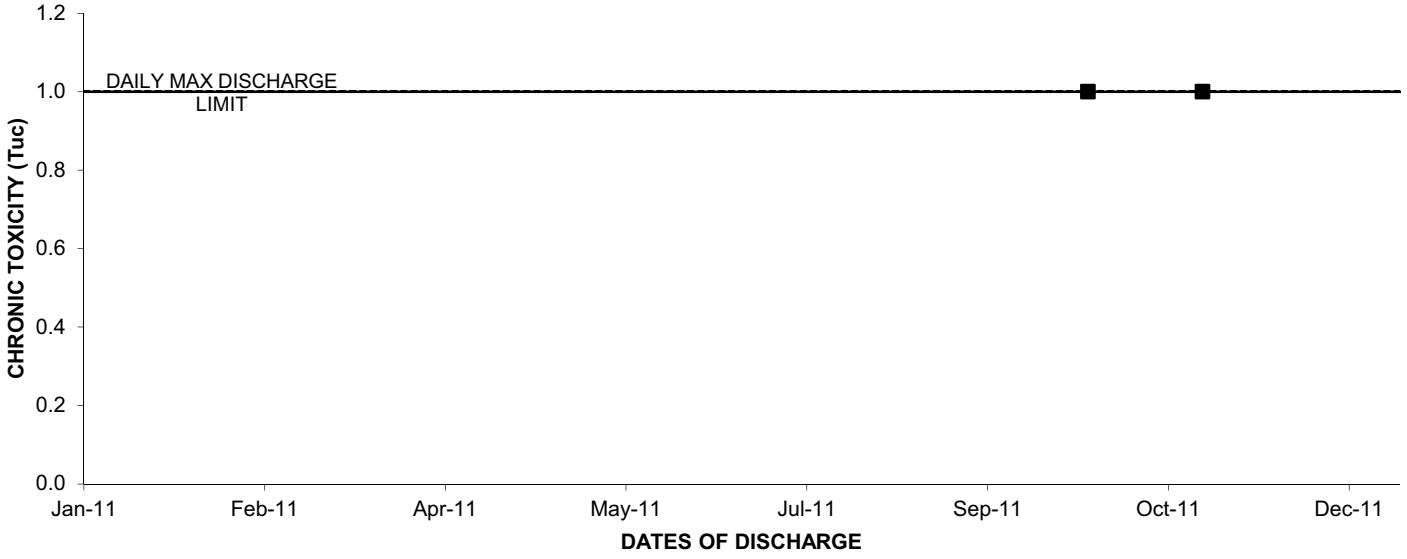
2011: OUTFALL 009 ACUTE TOXICITY



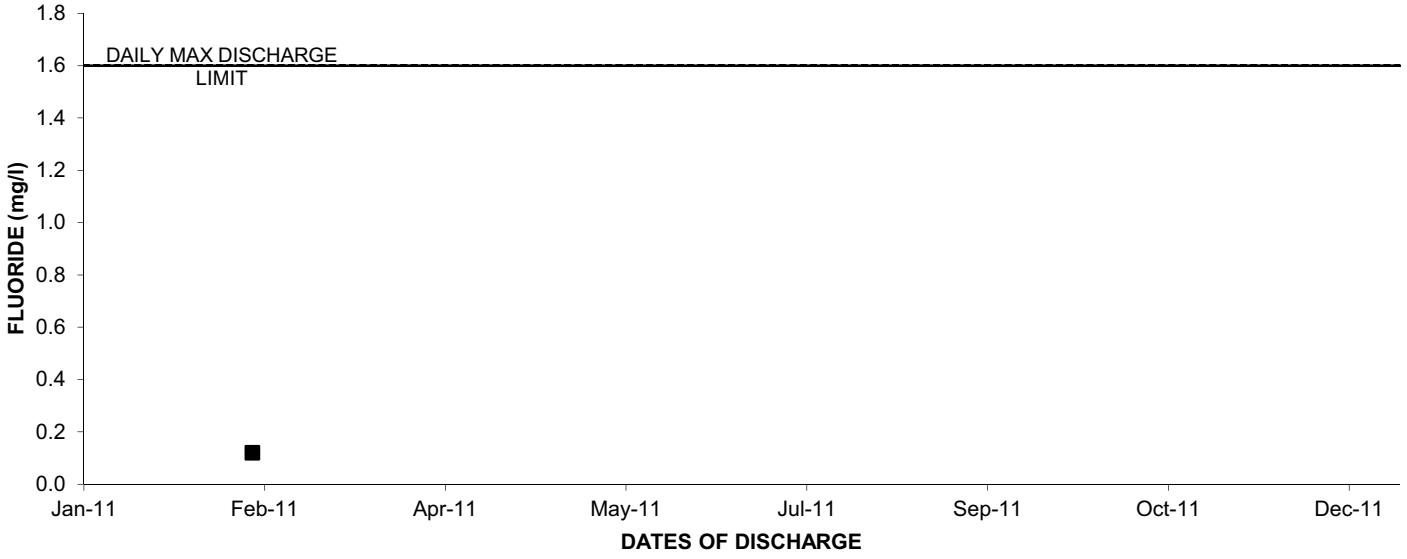
2011: OUTFALL 009 CHLORIDE



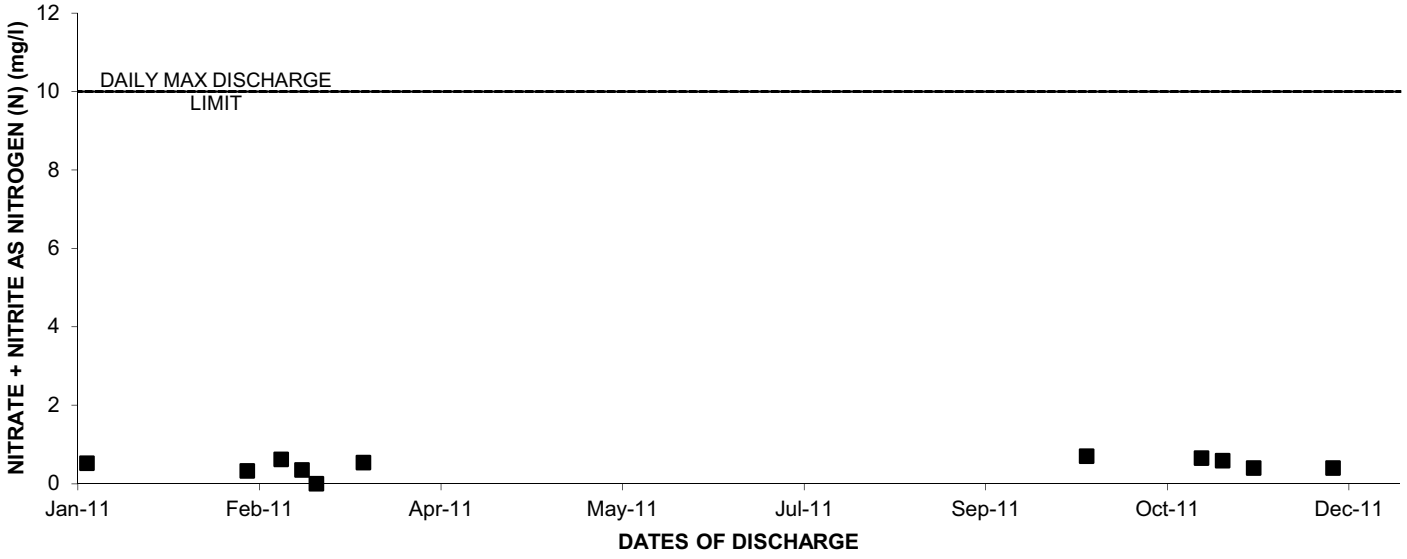
2011: OUTFALL 009 CHRONIC TOXICITY



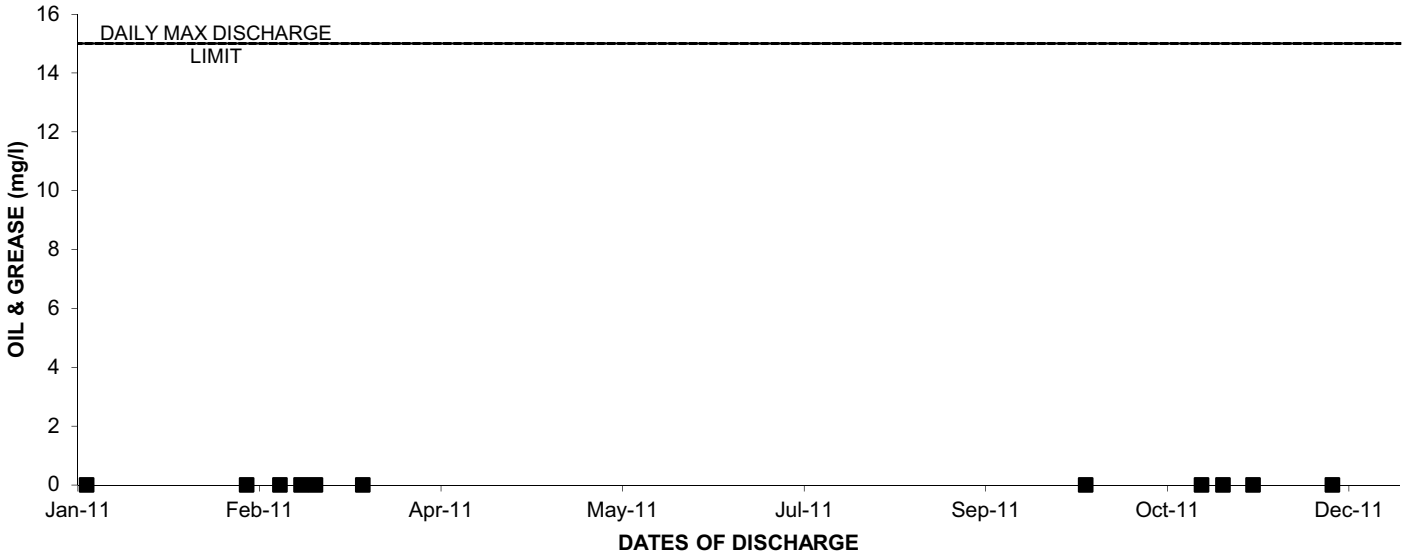
2011: OUTFALL 009 FLUORIDE



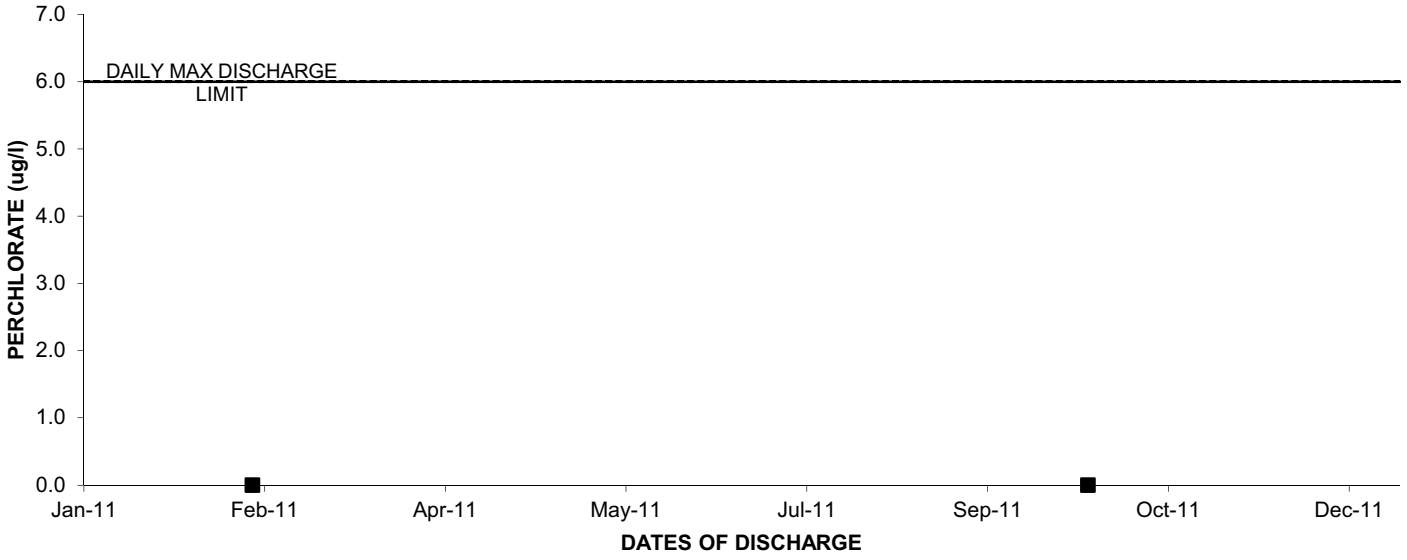
2011: OUTFALL 009 NITRATE + NITRITE AS NITROGEN (N)



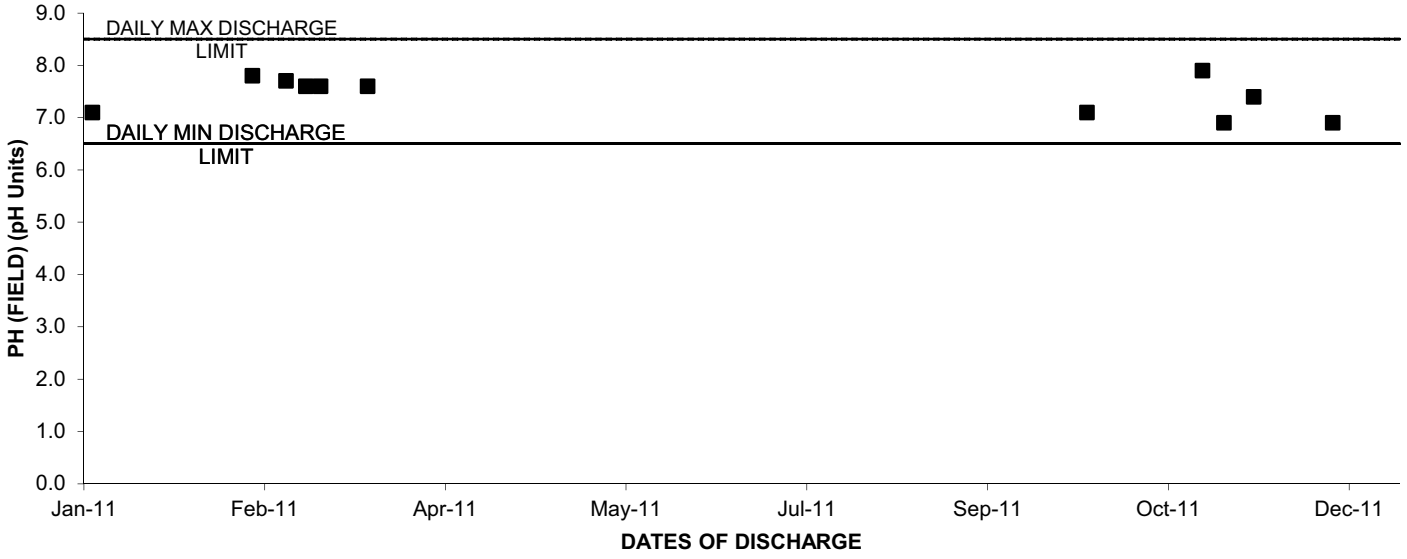
2011: OUTFALL 009 OIL & GREASE



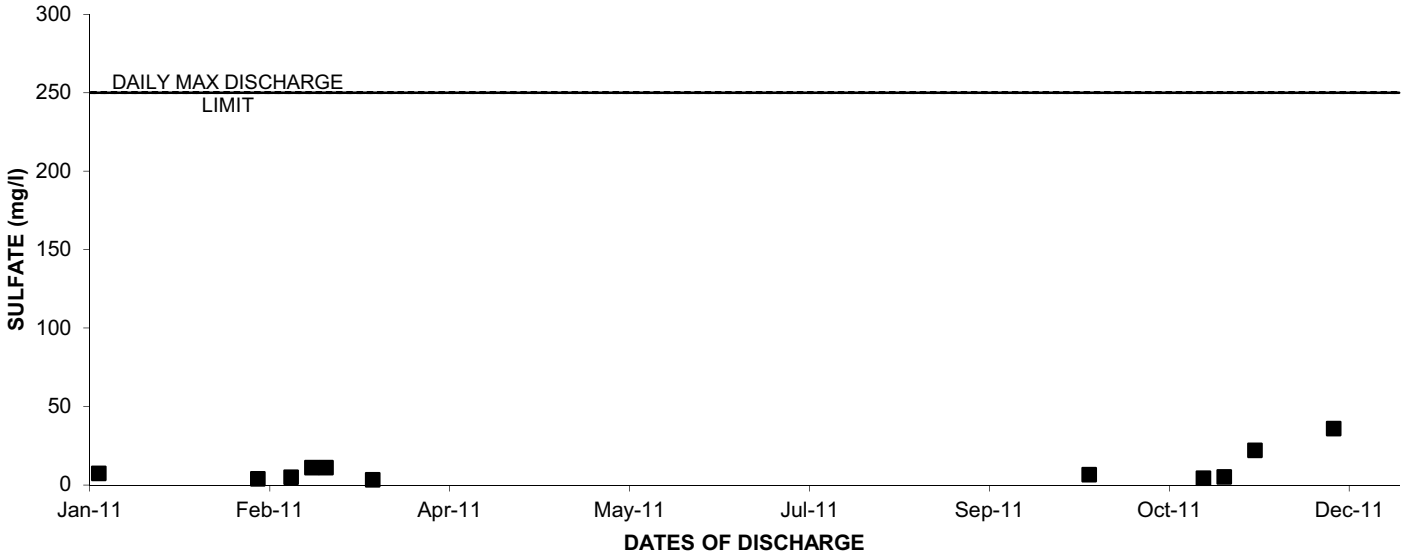
2011: OUTFALL 009 PERCHLORATE



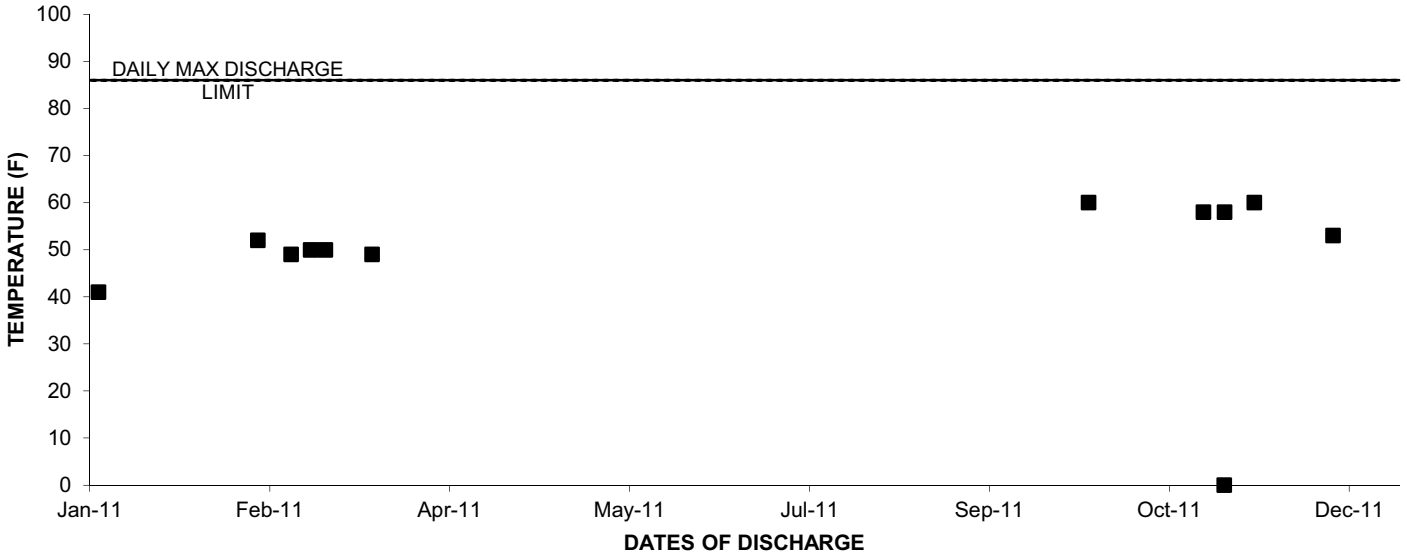
2011: OUTFALL 009 PH (FIELD)



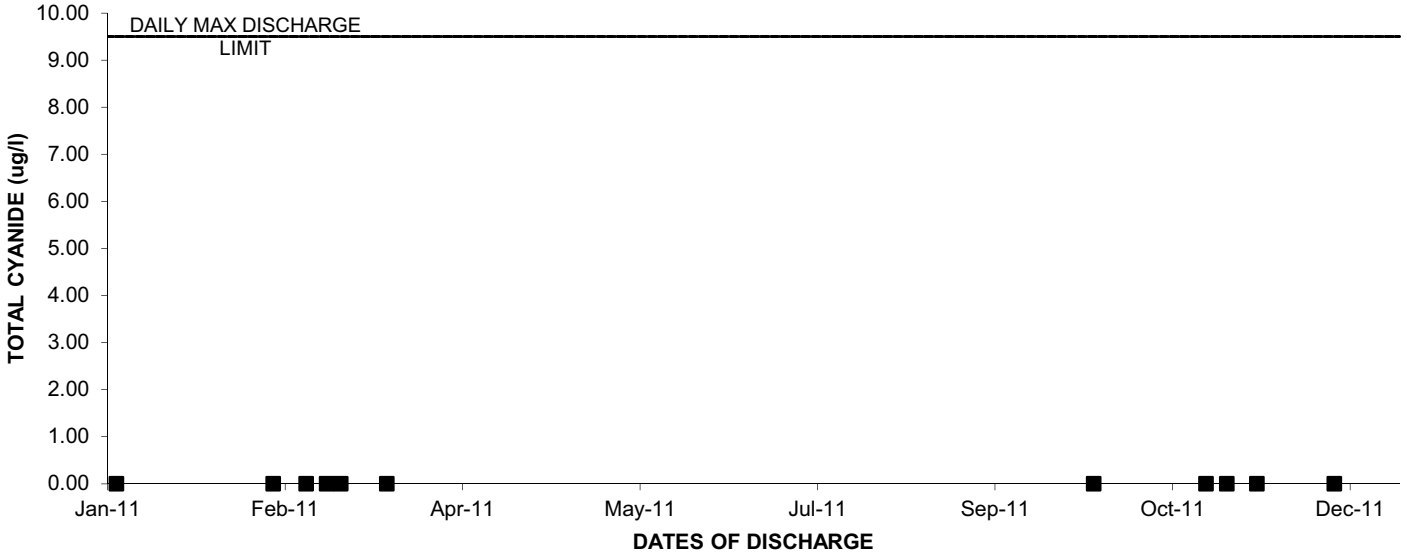
2011: OUTFALL 009 SULFATE



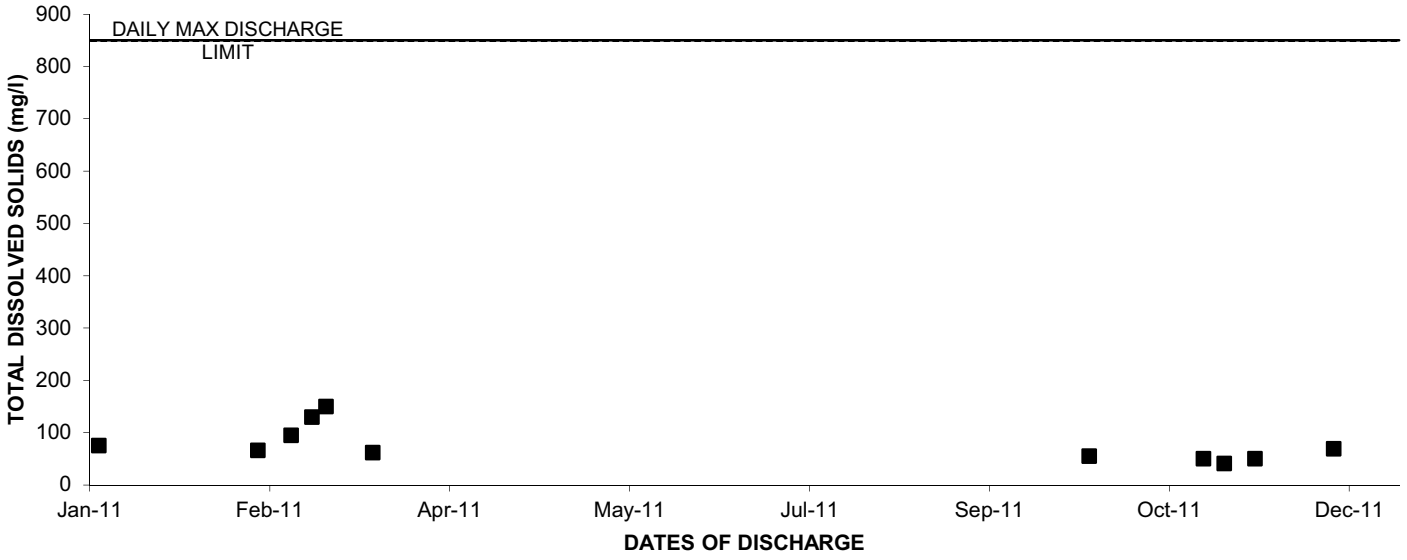
2011: OUTFALL 009 TEMPERATURE



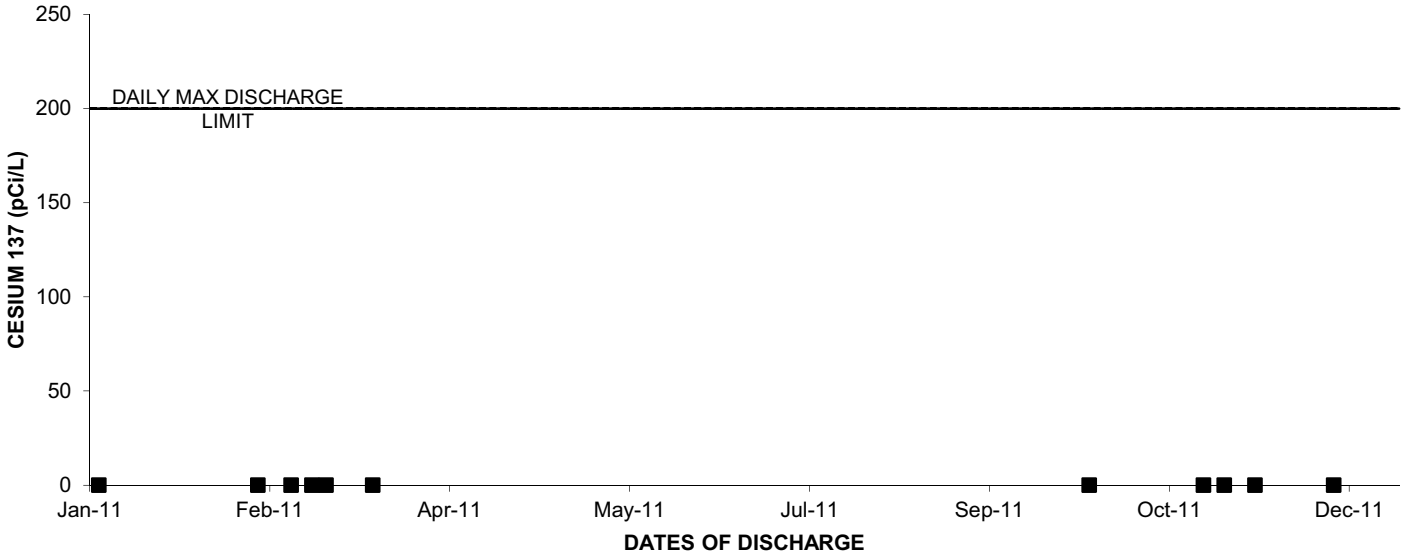
2011: OUTFALL 009 TOTAL CYANIDE



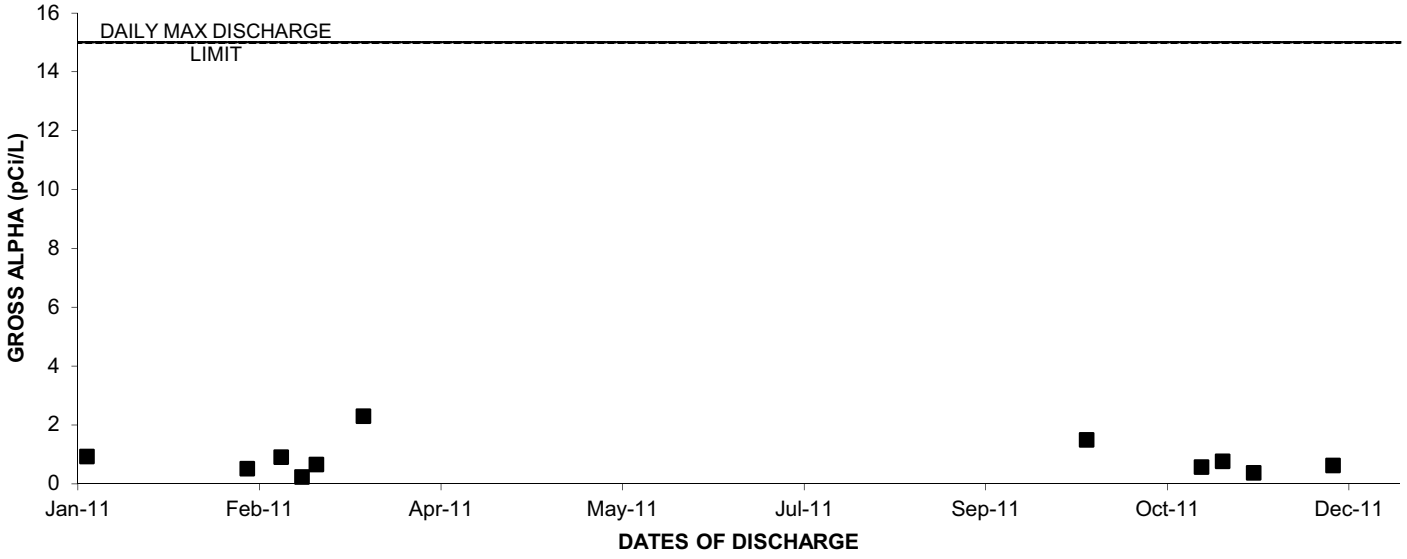
2011: OUTFALL 009 TOTAL DISSOLVED SOLIDS



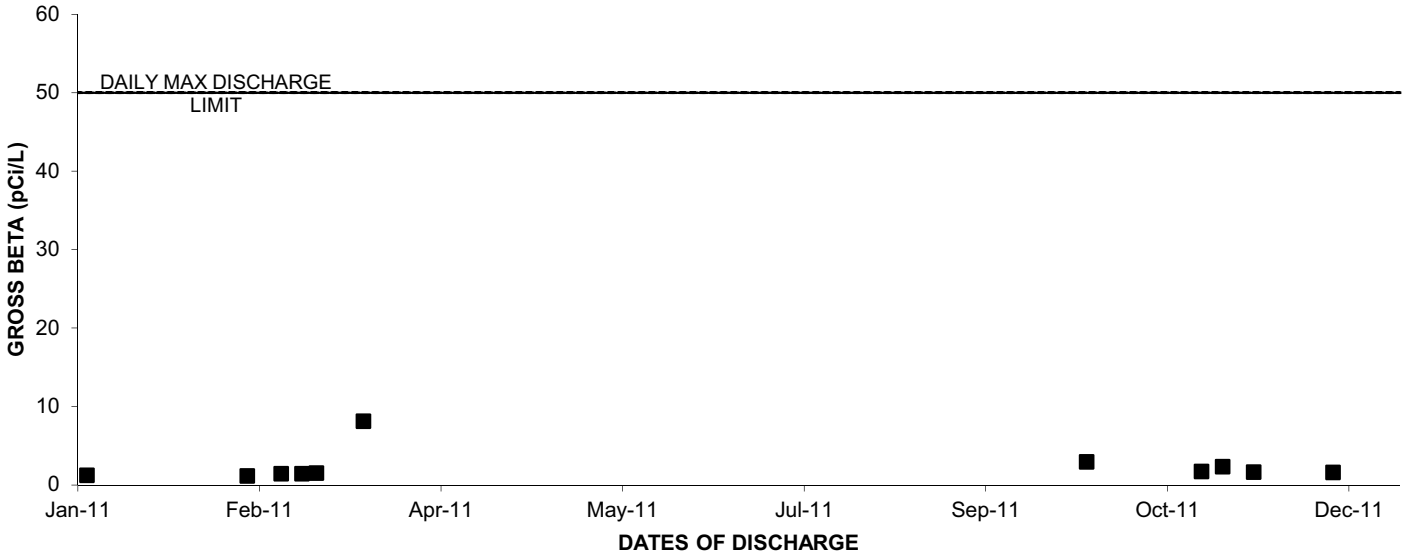
2011: OUTFALL 009 CESIUM 137



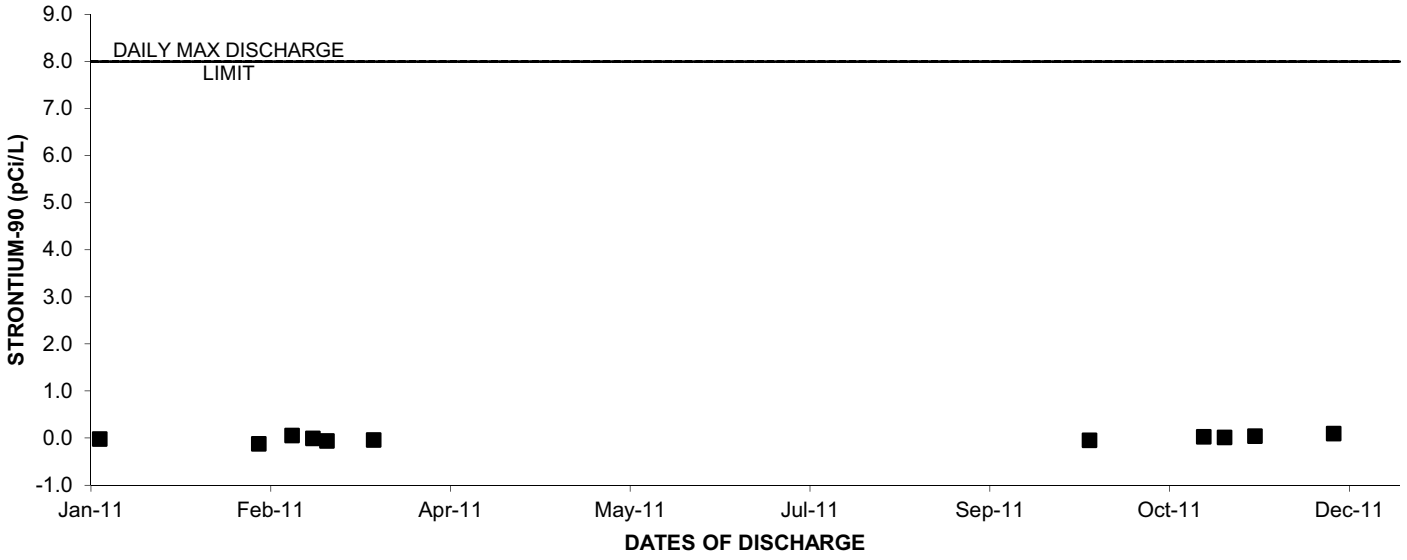
2011: OUTFALL 009 GROSS ALPHA



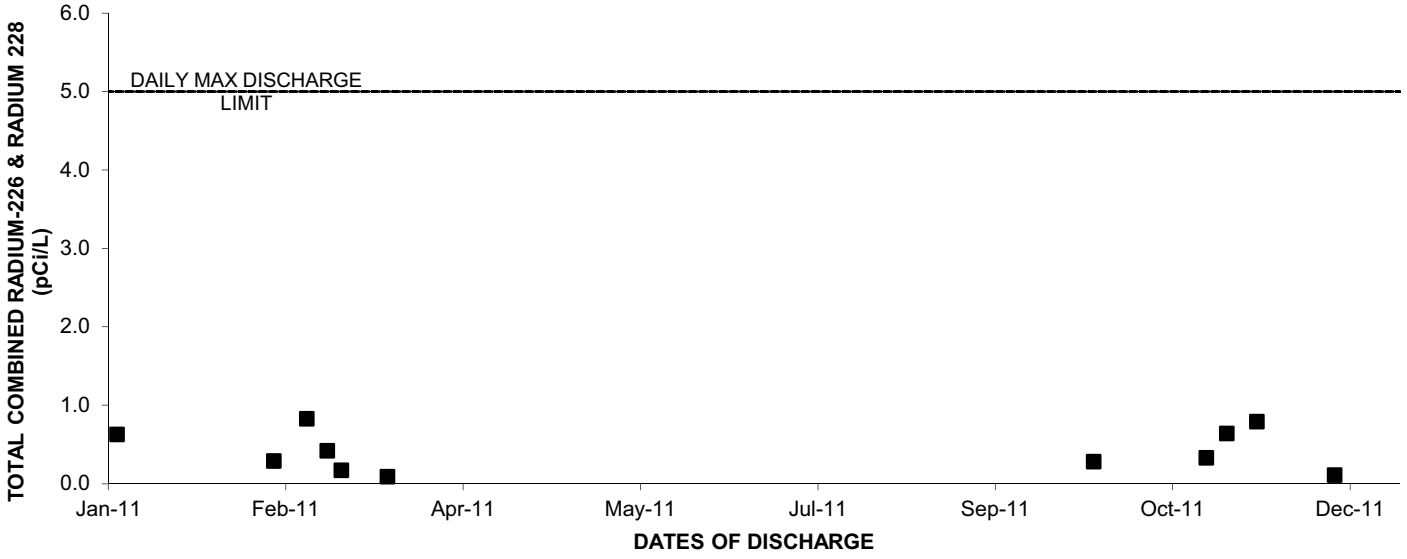
2011: OUTFALL 009 GROSS BETA



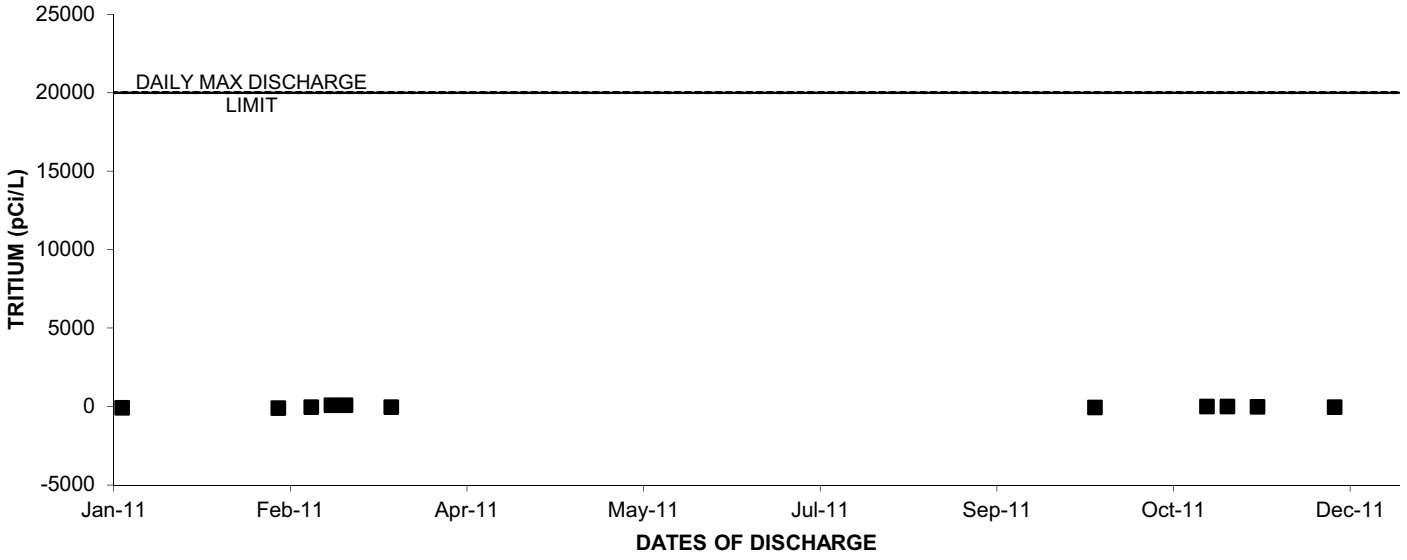
2011: OUTFALL 009 STRONTIUM-90



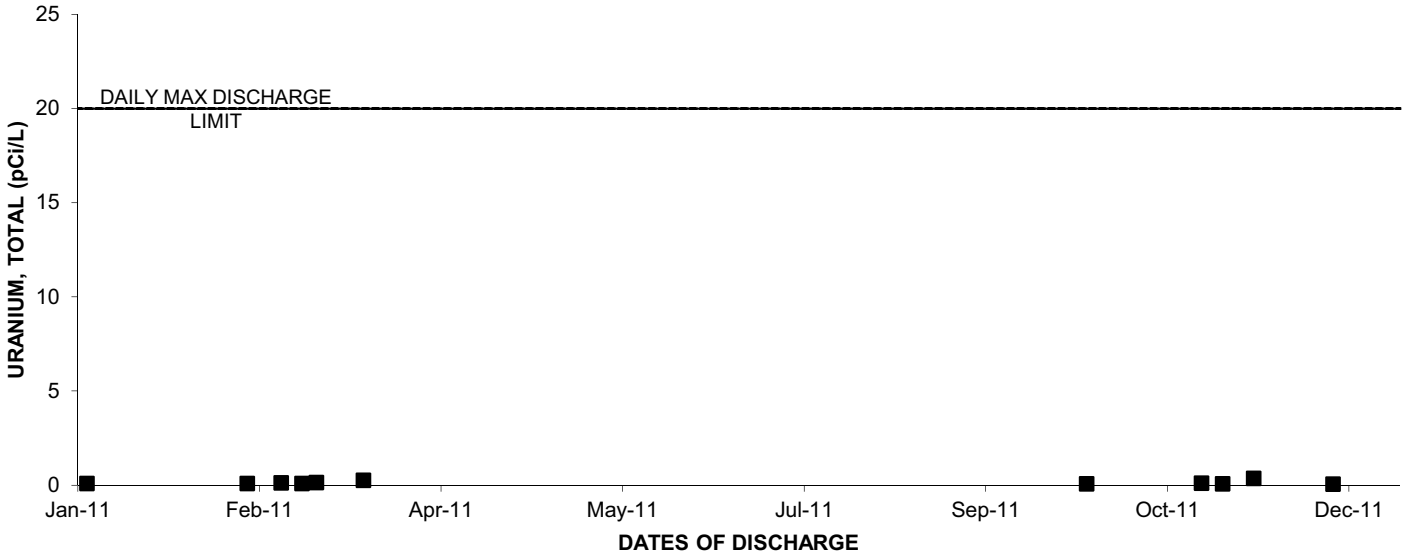
2011: OUTFALL 009 TOTAL COMBINED RADIUM-226 & RADIUM 228

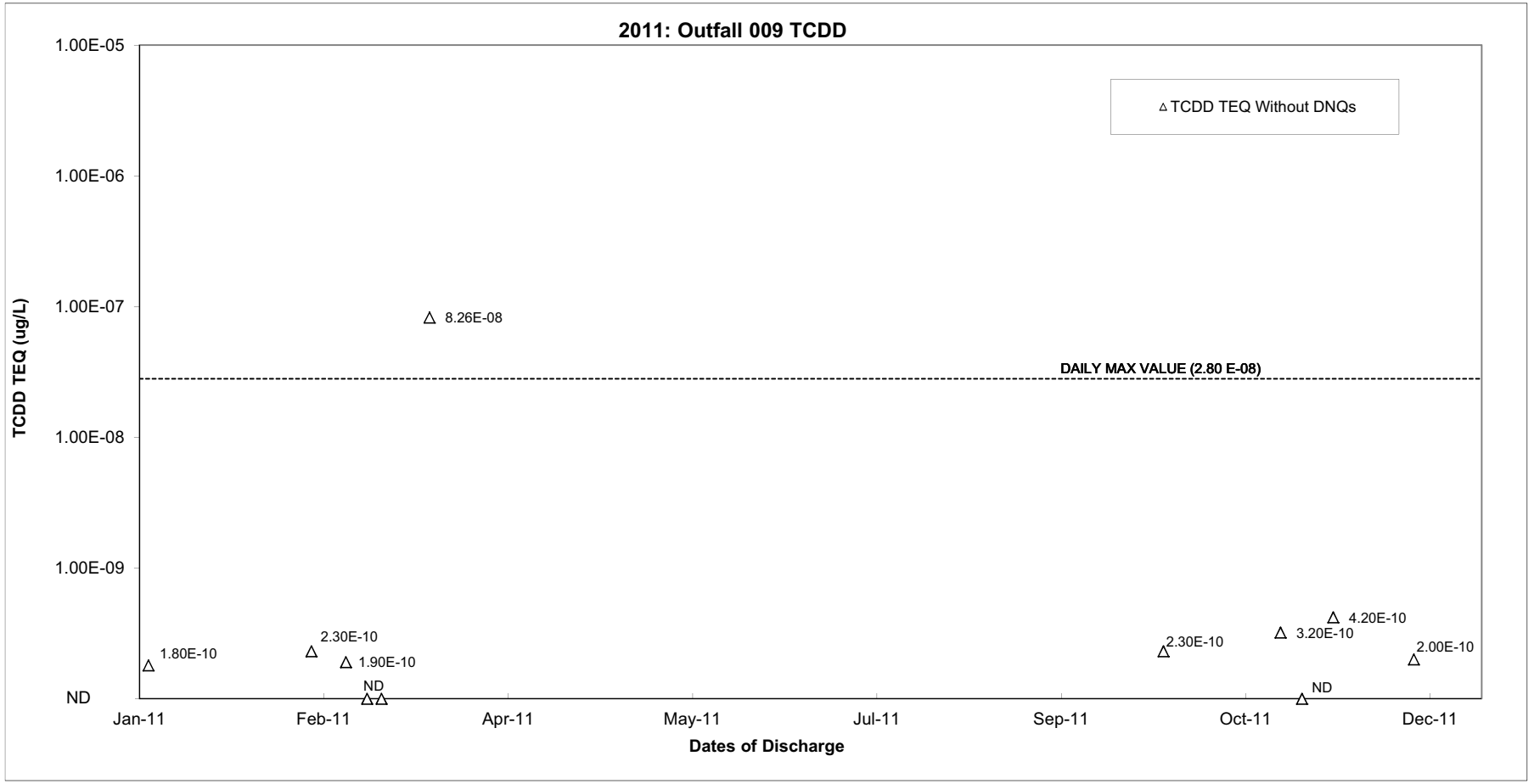


2011: OUTFALL 009 TRITIUM



2011: OUTFALL 009 URANIUM, TOTAL




2011: Outfall 009 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
8.26E-08
DAILY MAX VALUE (2.80 E-08)
1.80E-10
2.30E-10
1.90E-10
ND
2.30E-10
4.20E-10
3.20E-10
2.00E-10
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 6

OUTFALL 010 (BUILDING 203)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloride	mg/L	150/-	Comp	13	--
E. Coli	MPN/100 ml	-/-	Grab	22.0	*
Fecal Coliform	MPN/100 ml	-/-	Grab	22.0	*
Fluoride	mg/L	1.6/-	Comp	0.35	--
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.56	--
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	U
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.4	*
Sulfate	mg/L	250/-	Comp	6.3	--
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	U
Total Dissolved Solids	mg/L	850/-	Comp	230	--
Hardness	mg/L	-/-	Comp	86	--
Hardness, dissolved	mg/L	-/-	Comp	21	--
Total Suspended Solids	mg/L	-/-	Comp	25	--
Volume Discharged	MGD	17.8/-	Meas	0.00986	*
METALS					
Aluminum	ug/L	-/-	Comp	1500	--
Aluminum, dissolved	ug/L	-/-	Comp	ND < 40	U
Antimony	ug/L	6.0/-	Comp	ND < 2.0	U (B)
Antimony, dissolved	ug/L	-/-	Comp	ND < 2.0	U (B)
Arsenic	ug/L	-/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Beryllium	ug/L	-/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	1.0/-	Comp	0.020	J (DNQ)
Boron, dissolved	mg/L	-/-	Comp	ND < 0.020	U
Cadmium	ug/L	4.0/-	Comp	ND < 1.0	U (B)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Calcium	mg/L	-/-	Comp	29	--
Calcium, Dissolved	mg/L	-/-	Comp	7.3	--
Chromium	ug/L	-/-	Comp	2.8	J (DNQ)
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	-/-	Grab	ND < 0.250	U
Copper	ug/L	14/-	Comp	3.82	--
Copper, dissolved	ug/L	-/-	Comp	2.21	J (B)
Iron	mg/L	-/-	Comp	1.4	--
Iron, dissolved	mg/L	-/-	Comp	0.027	J (DNQ)
Lead	ug/L	5.2/-	Comp	1.3	J (*III)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	UJ (*III)

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Magnesium	mg/L	-/-	Comp	3.6	--
Magnesium, Dissolved	mg/L	-/-	Comp	0.72	--
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	Comp	2.2	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Selenium	ug/L	-/-	Comp	ND < 0.50	U
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	U
Silver	ug/L	-/-	Comp	ND < 6.0	U
Silver, dissolved	ug/L	-/-	Comp	ND < 6.0	U
Thallium	ug/L	2.0/-	Comp	ND < 0.20	UJ (*III)
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	UJ (*III)
Vanadium	ug/L	-/-	Comp	3.7	J (DNQ)
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	-/-	Comp	161	($)
Zinc, Dissolved	ug/L	-/-	Comp	70.5	($)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	U
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	U
Chloroform	ug/L	-/-	Grab	ND < 0.33	U
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	U
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	U
1,1-Dichloroethene	ug/L	-/-	Grab	ND < 0.42	U
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	U
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	U
Toluene	ug/L	-/-	Grab	ND < 0.36	U
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	U
Trichloroethene	ug/L	-/-	Grab	ND < 0.26	U
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Vinyl chloride	ug/L	-/-	Grab	ND < 0.40	U
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	U
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 2.48	U
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.97	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	U
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 2.48	U
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	U
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.97	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 2.48	U
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	U
2,4,6-Trichlorophenol	ug/L	-/-	Comp	ND < 4.46	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 3.47	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 3.47	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 7.92	UJ (C)
2,4-Dinitrotoluene	ug/L	-/-	Comp	ND < 3.47	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 1.98	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	U
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 2.97	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 2.97	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 3.96	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 3.47	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 7.43	U
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0039	UJ (C)
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0029	U
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0039	UJ (C)
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 2.97	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 2.48	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 2.48	U
4-Nitrophenol	ug/L	-/-	Comp	ND < 5.45	U
Acenaphthene	ug/L	-/-	Comp	ND < 2.97	U
Acenaphthylene	ug/L	-/-	Comp	ND < 2.97	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	U
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	U
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0015	U
alpha-BHC	ug/L	-/-	Comp	ND < 0.0025	U
Anthracene	ug/L	-/-	Comp	ND < 2.48	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1221	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1232	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1242	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1248	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1254	ug/L	-/-	Comp	ND < 0.25	U
Aroclor-1260	ug/L	-/-	Comp	ND < 0.25	U
Benzidine	ug/L	-/-	Comp	ND < 9.90	U
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 2.48	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 2.97	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 1.98	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 3.96	UJ (C)

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OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 2.48	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0039	U
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 2.97	U
bis (2-ethylhexyl) Phthalate	ug/L	-/-	Comp	ND < 3.96	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 2.97	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 2.48	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	U
Bromoform	ug/L	-/-	Grab	ND < 0.40	U
Bromomethane	ug/L	-/-	Grab	ND < 0.42	U
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 3.96	U
Chlordane	ug/L	-/-	Comp	ND < 0.078	U
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	U
Chloroethane	ug/L	-/-	Grab	ND < 0.40	U
Chloromethane	ug/L	-/-	Grab	ND < 0.40	U
Chlorpyrifos	ug/L	-/-	Comp	ND < 0.010	U
Chronic Toxicity	TUC	1/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 2.48	U
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	U
delta-BHC	ug/L	-/-	Comp	ND < 0.0034	U
Diazinon	ug/L	-/-	Comp	ND < 0.10	U
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 2.97	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	U
Dieldrin	ug/L	-/-	Comp	ND < 0.0020	U
Diethylphthalate	ug/L	-/-	Comp	ND < 3.47	U
Dimethylphthalate	ug/L	-/-	Comp	ND < 2.48	U
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 2.97	U
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 3.47	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0020	U
Endosulfan II	ug/L	-/-	Comp	ND < 0.0029	U
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0029	U
Endrin	ug/L	-/-	Comp	ND < 0.0020	U
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0020	U
Fluoranthene	ug/L	-/-	Comp	ND < 2.97	U
Fluorene	ug/L	-/-	Comp	ND < 2.97	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0029	U
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0025	U
Hexachlorobenzene	ug/L	-/-	Comp	ND < 2.97	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 3.96	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 4.95	U
Hexachloroethane	ug/L	-/-	Comp	ND < 3.47	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 3.47	UJ (C)

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OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Isophorone	ug/L	-/-	Comp	ND < 2.97	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0029	U
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	U
Naphthalene	ug/L	-/-	Comp	ND < 2.97	U
Nitrobenzene	ug/L	-/-	Comp	ND < 2.97	U
n-Nitrosodimethylamine	ug/L	-/-	Comp	ND < 2.48	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 3.47	U
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 1.98	U
Pentachlorophenol	ug/L	-/-	Comp	ND < 3.47	U
Phenanthrene	ug/L	-/-	Comp	ND < 3.47	U
Phenol	ug/L	-/-	Comp	ND < 1.98	U
Pyrene	ug/L	-/-	Comp	ND < 3.96	UJ (C)
Toxaphene	ug/L	-/-	Comp	ND < 0.25	U
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	U
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	U

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OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloride	mg/L	150/-	Comp	18	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	10/-	Comp	0.49	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	Grab	7.7	*
Sulfate	mg/L	250/-	Comp	8.5	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	9.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	850/-	Comp	200	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Comp	110	--
Volume Discharged	MGD	17.8/-	Meas	0.00699	*
METALS					
Aluminum	ug/L	-/-	ANR	ANR	ANR
Aluminum, dissolved	ug/L	-/-	ANR	ANR	ANR
Antimony	ug/L	6.0/-	Comp	2.3	RL1, J* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.33	J* (DNQ)
Arsenic	ug/L	-/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	-/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	1.0/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR
Cadmium	ug/L	4.0/-	Comp	ND < 0.20	RL1*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	-/-	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	6.4	*
Copper, dissolved	ug/L	-/-	Comp	1.7	J* (DNQ)
Iron	mg/L	-/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/-	Comp	4.4	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*

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OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.13/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	100/-	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	-/-	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	-/-	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.40	RL1*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	-/-	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	-/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Vinyl chloride	ug/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	-/-	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chlorpyrifos	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1/-	Comp	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Diazinon	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR

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OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	-/-	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 26, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.20E-06	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	1.80E-06	5.00E-05	ND	U (B)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.00E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.00E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.40E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.60E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.20E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.30E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	3.40E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.10E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	8.50E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.20E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	8.90E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	2.50E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	3.80E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.90E-06	1.00E-04	9.90E-05	--		0.0001	0.01	**9.90E-11**
OCDF	6.10E-06	1.00E-04	1.50E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**9.90E-11**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.50E-06	5.00E-05	3.30E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.20E-06	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.40E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.30E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.00E-07	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.20E-06	5.00E-05	1.20E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	4.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.10E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	6.00E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.50E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.20E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.40E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.20E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	9.10E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.10E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	5.90E-06	1.00E-04	5.00E-04	--		0.0001	0.01	**5.00E-10**
OCDF	3.80E-06	1.00E-04	5.50E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**5.00E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/26/2011 (Comp)			03/21/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY								
Gross Alpha	pCi/L	15/-	1.04 ± 0.53	0.645	J (C, DNQ)	3.19 ± 0.66	0.415	J (C)
Gross Beta	pCi/L	50/-	4.34 ± 0.69	0.934	--	5.56 ± 0.67	0.839	--
Strontium-90	pCi/L	8.0/-	-0.031 ± 0.62	1.35	U	-0.003 ± 0.30	0.72	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.45 ± 0.40	0.98	U	0.02 ± 0.66	1.34	U
Tritium	pCi/L	20000/-	-106 ± 98	172	U	-7.57 ± 97	164	U
Uranium, Total	pCi/L	20/-	0.618 ± 0.070	0.022	J (DNQ)	0.673 ± 0.078	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 19	19	U	ND < 33.4	33.4	U
Cesium 137	pCi/L	200/-	ND < 1.67	1.67	U	ND < 1.65	1.65	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/26/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.00986	
Chloride	LBS/DAY	22,268/-	Comp	1.07	--
Fluoride	LBS/DAY	238/-	Comp	0.03	--
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.05	--
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	U
Perchlorate	LBS/DAY	0.89/-	Comp	ND	U
Sulfate	LBS/DAY	37,113/-	Comp	0.52	--
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	U
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	18.91	--
Antimony	LBS/DAY	0.89/-	Comp	ND	U (B)
Boron	LBS/DAY	148/-	Comp	0.002	J (DNQ)
Copper	LBS/DAY	2.1/-	Comp	0.0003	--
Lead	LBS/DAY	0.77/-	Comp	0.0001	J (*III)
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	Comp	0.0002	J (DNQ)
Thallium	LBS/DAY	0.3/-	Comp	ND	UJ (*III)
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	8.14E-15	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 010 (Building 203)

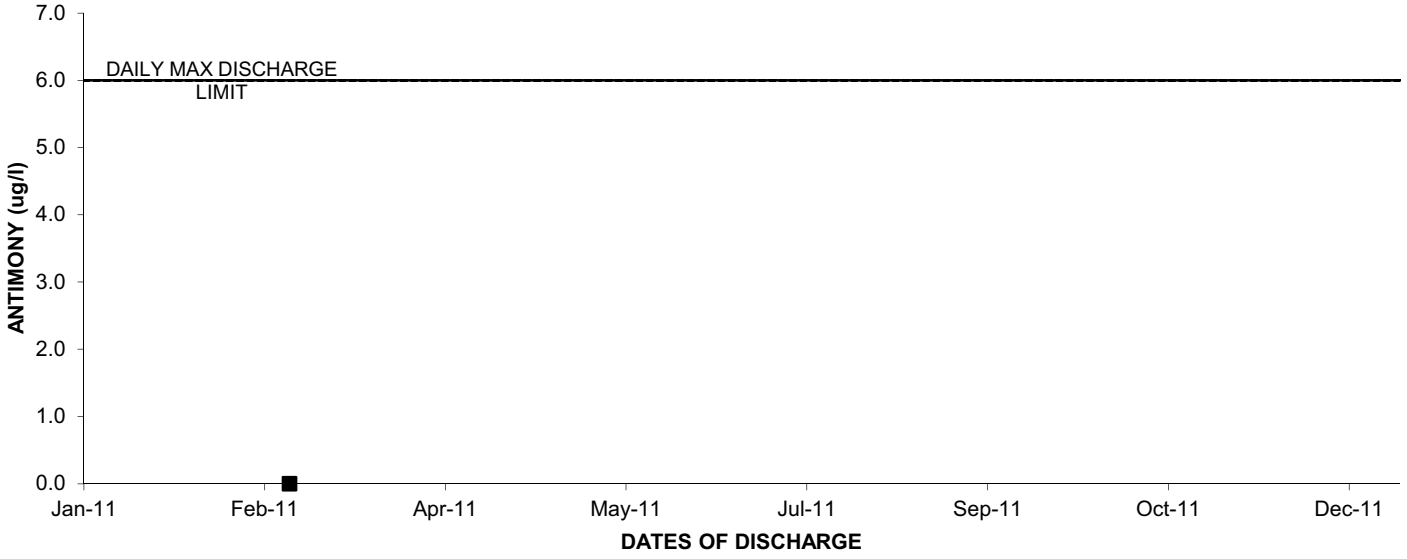
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

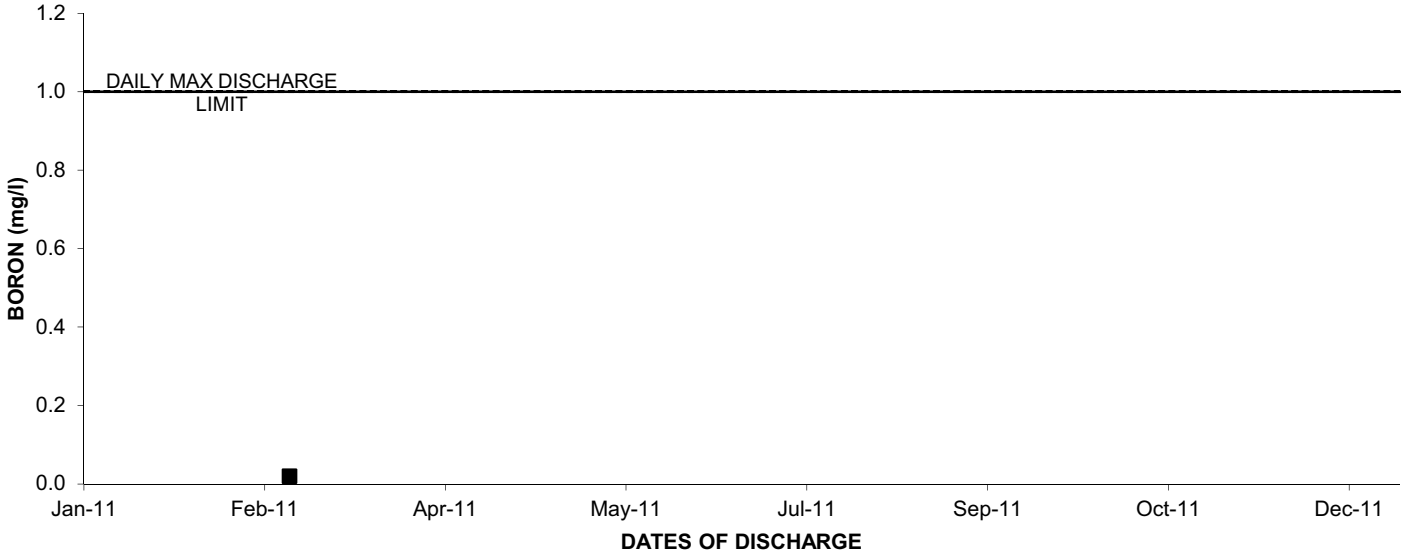
			3/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	17.8	Meas	0.00699	
Chloride	LBS/DAY	22,268/-	Comp	1.05	*
Fluoride	LBS/DAY	238/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	1,485/-	Comp	0.03	*
Oil & Grease	LBS/DAY	2,227/-	Grab	ND	*
Perchlorate	LBS/DAY	0.89/-	ANR	ANR	ANR
Sulfate	LBS/DAY	37,113/-	Comp	0.50	*
Total Cyanide	LBS/DAY	1.4/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	126,184/-	Comp	11.66	*
Antimony	LBS/DAY	0.89/-	Comp	0.0001	RL1, J* (DNQ)
Boron	LBS/DAY	148/-	ANR	ANR	ANR
Copper	LBS/DAY	2.1/-	Comp	0.0004	*
Lead	LBS/DAY	0.77/-	Comp	0.0003	*
Mercury	LBS/DAY	0.02/-	Comp	ND	U
Nickel	LBS/DAY	14.9/-	ANR	ANR	ANR
Thallium	LBS/DAY	0.3/-	Comp	ND	RL1*
TCDD TEQ_NoDNQ	LBS/DAY	4.20E-09/-	Comp	2.91E-14	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

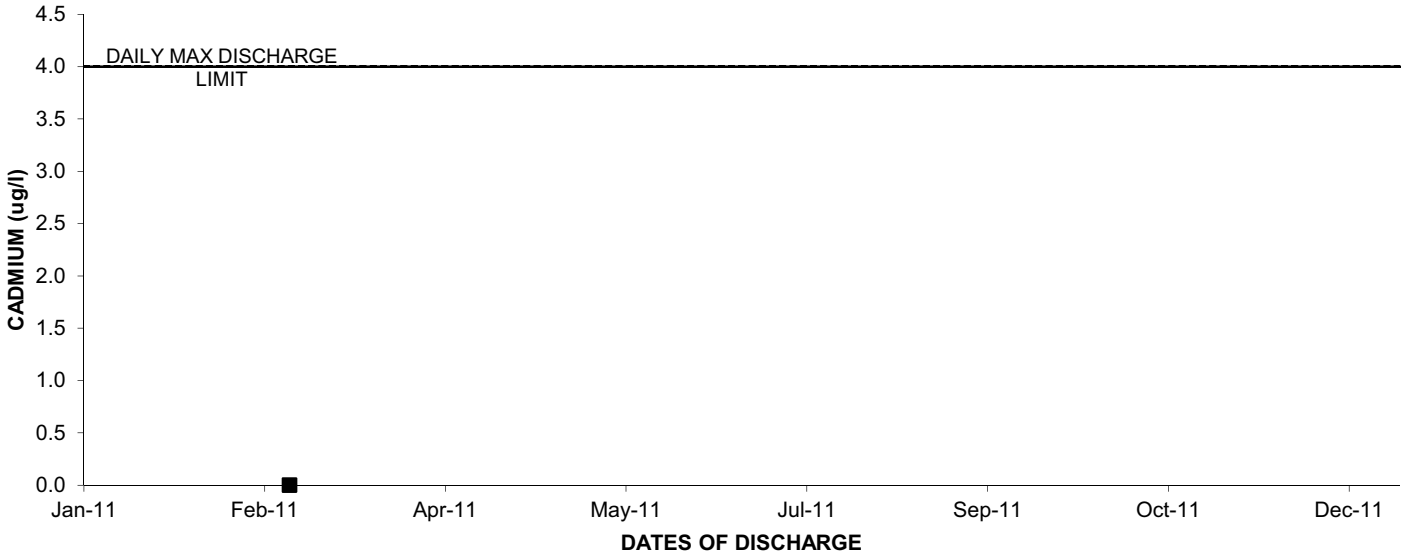
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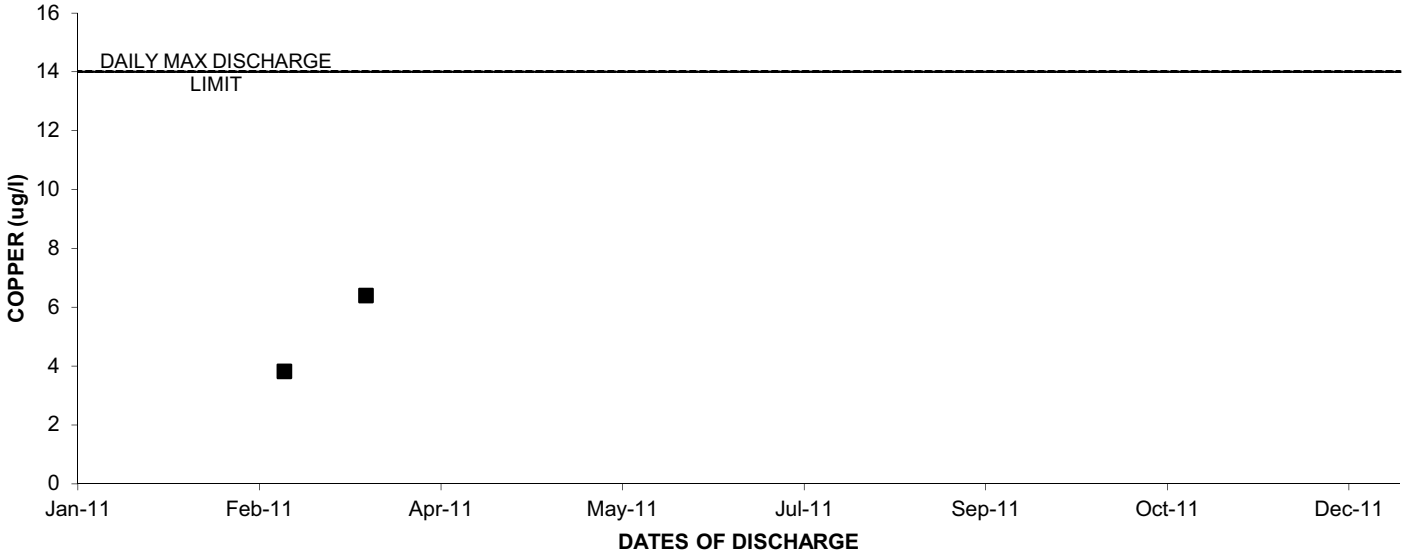
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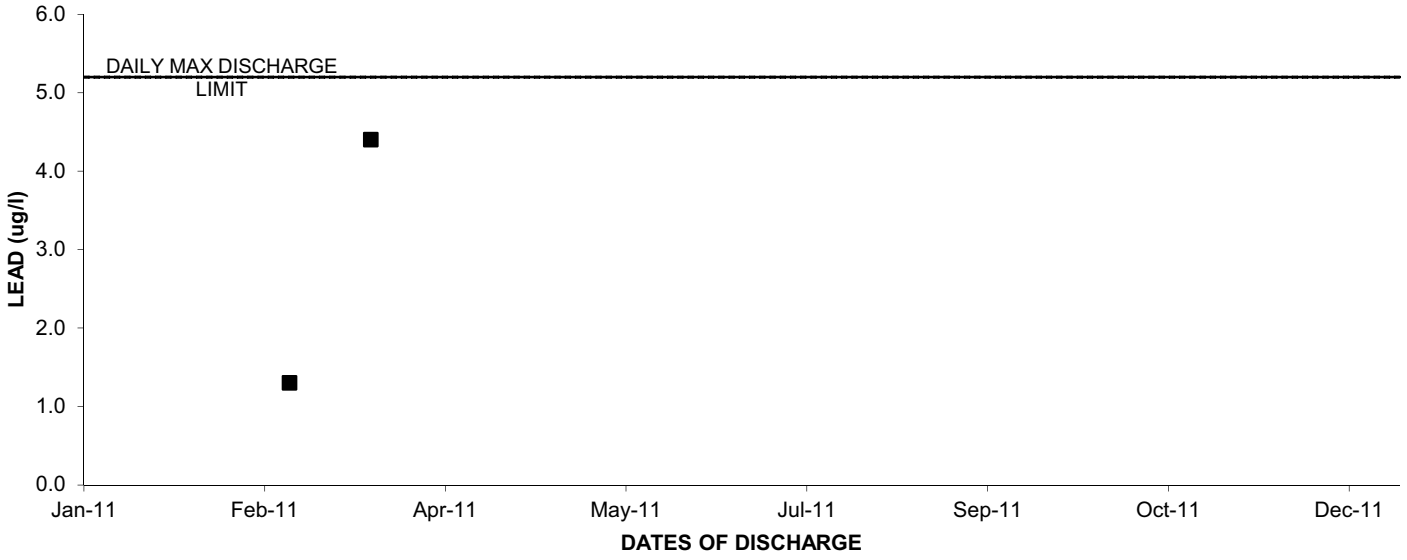
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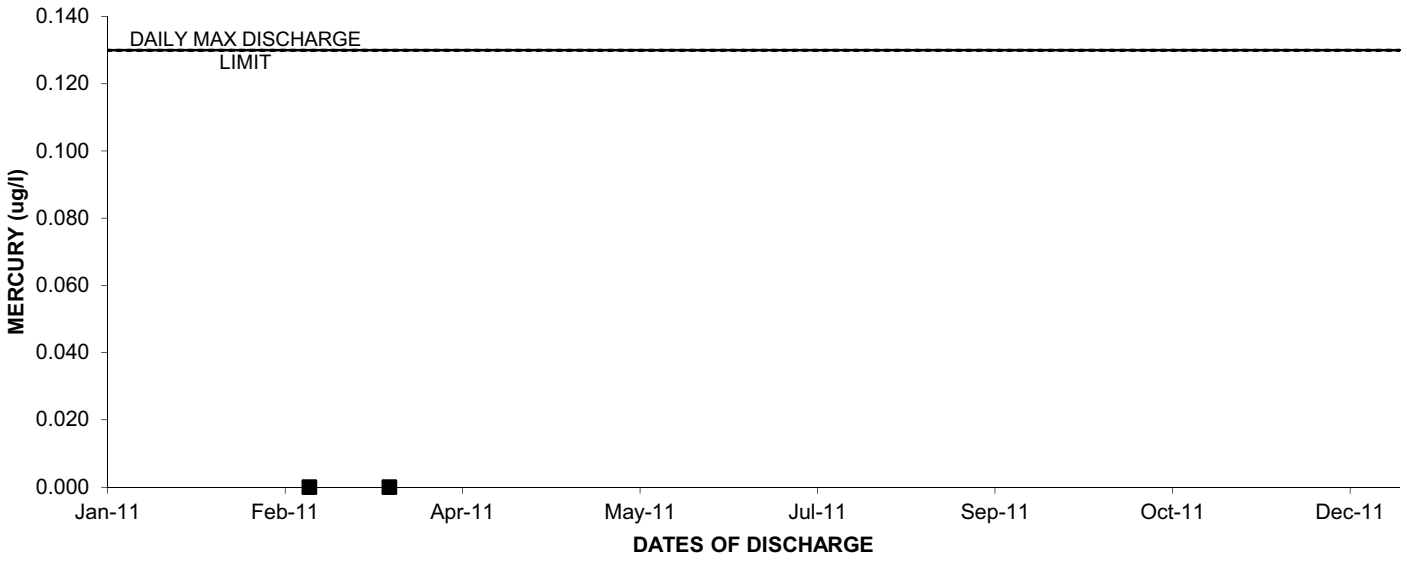
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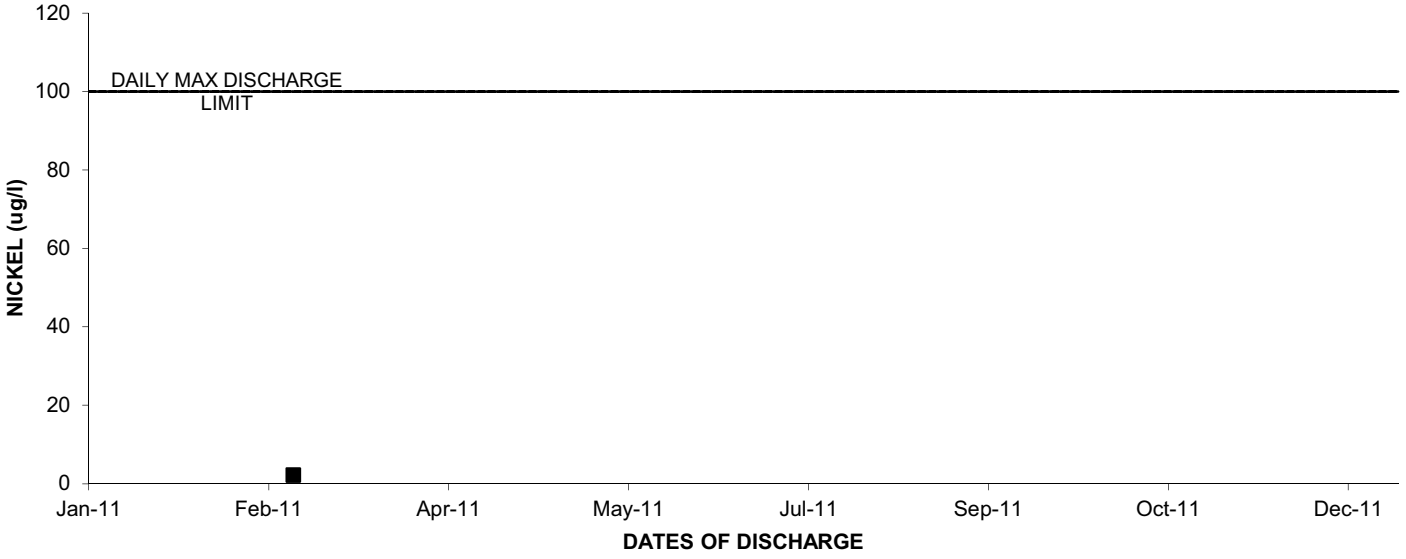
2011: OUTFALL 010 LEAD



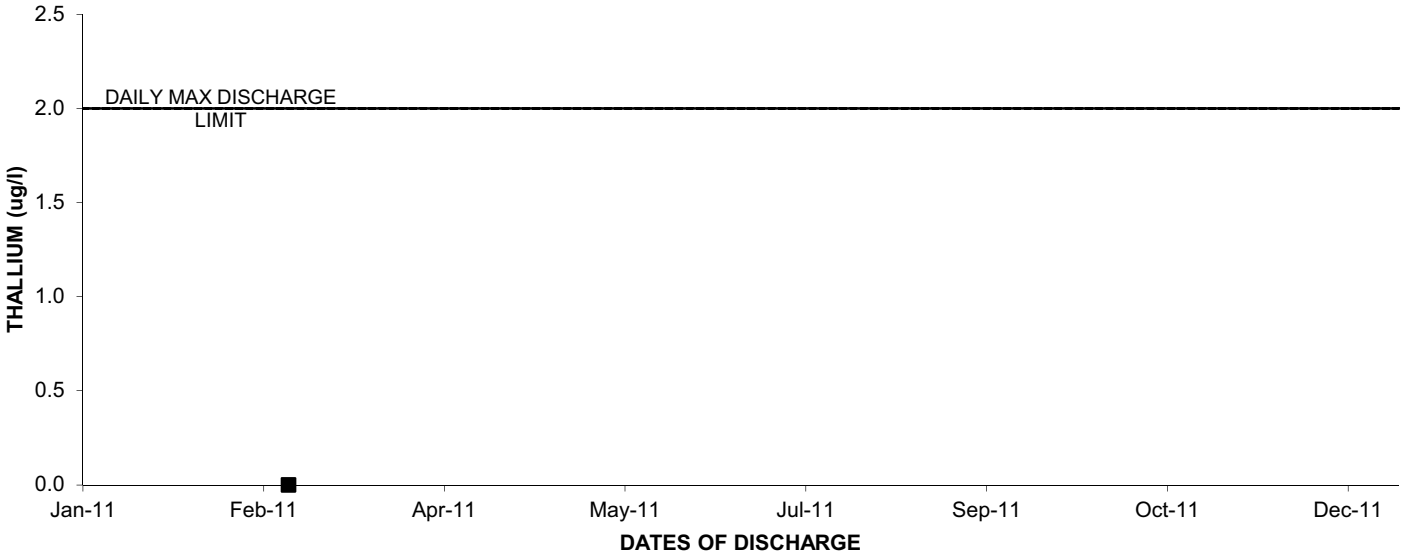
2011: OUTFALL 010 MERCURY



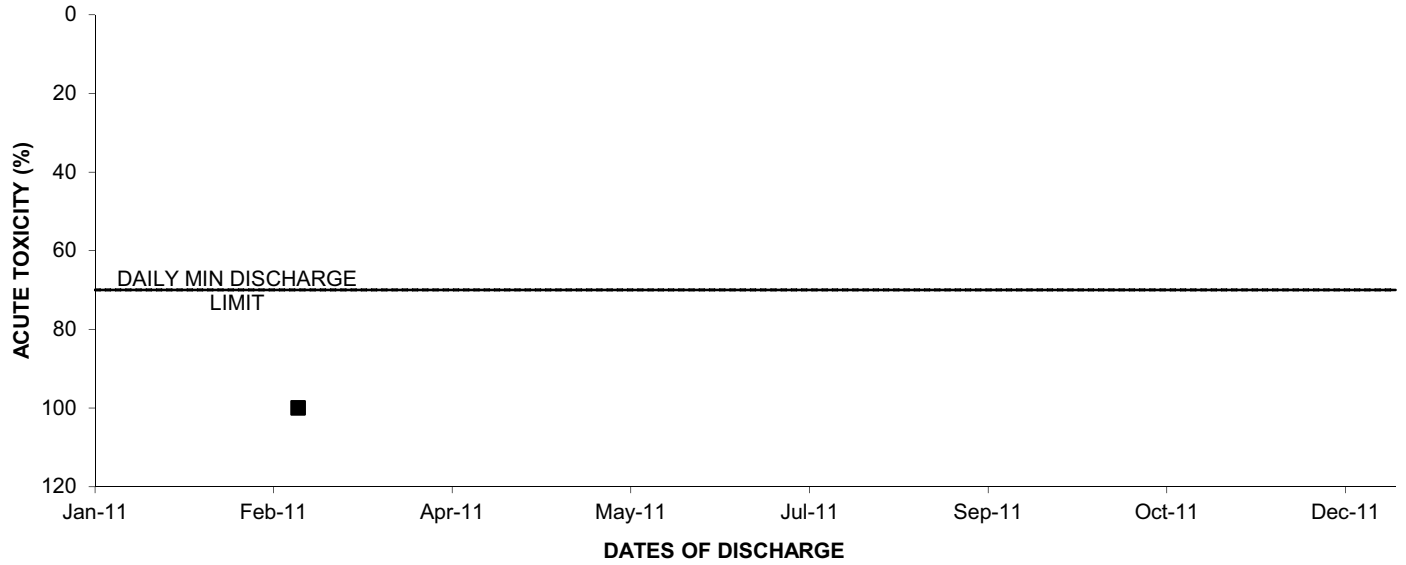
2011: OUTFALL 010 NICKEL



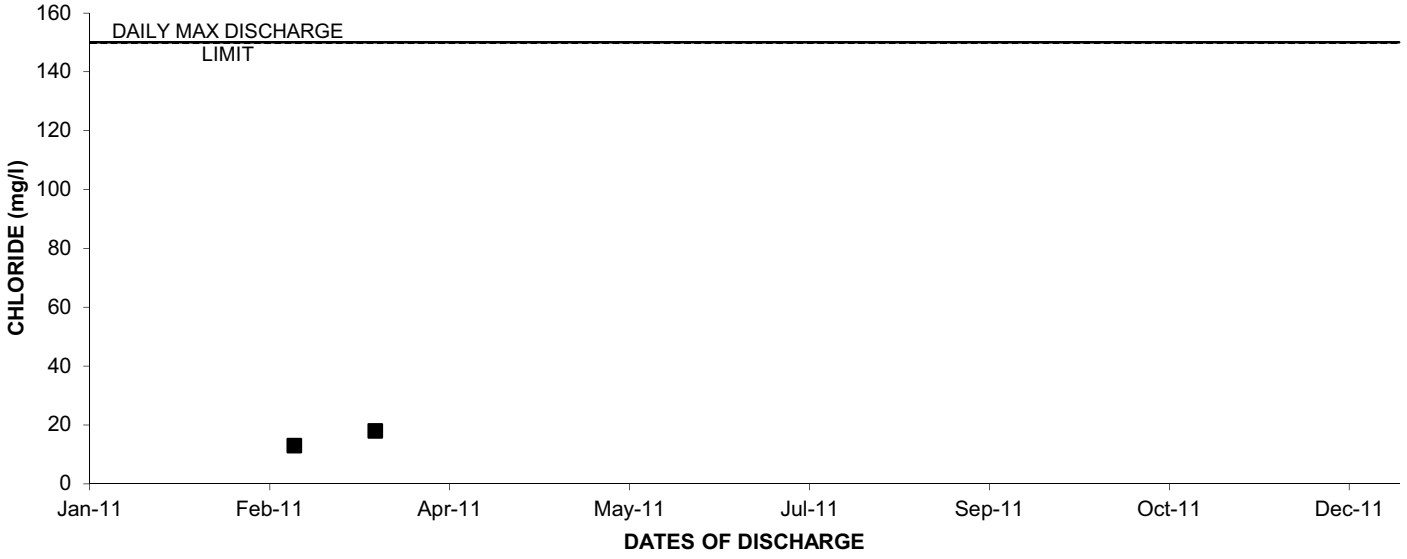
2011: OUTFALL 010 THALLIUM



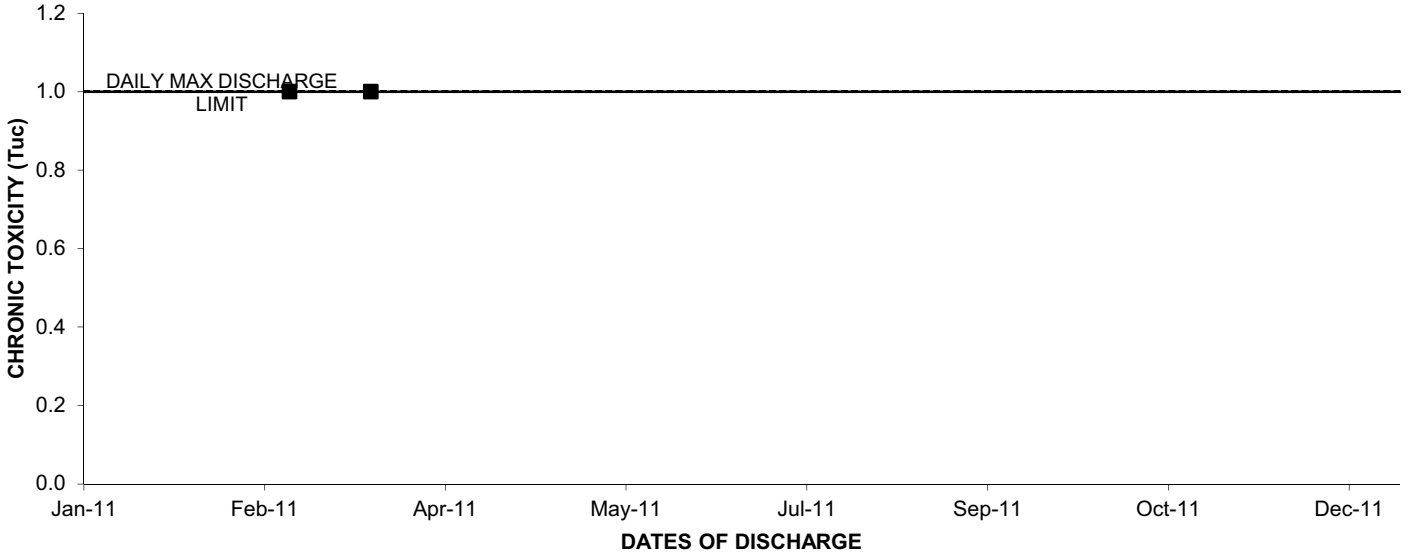
2011: OUTFALL 010 ACUTE TOXICITY



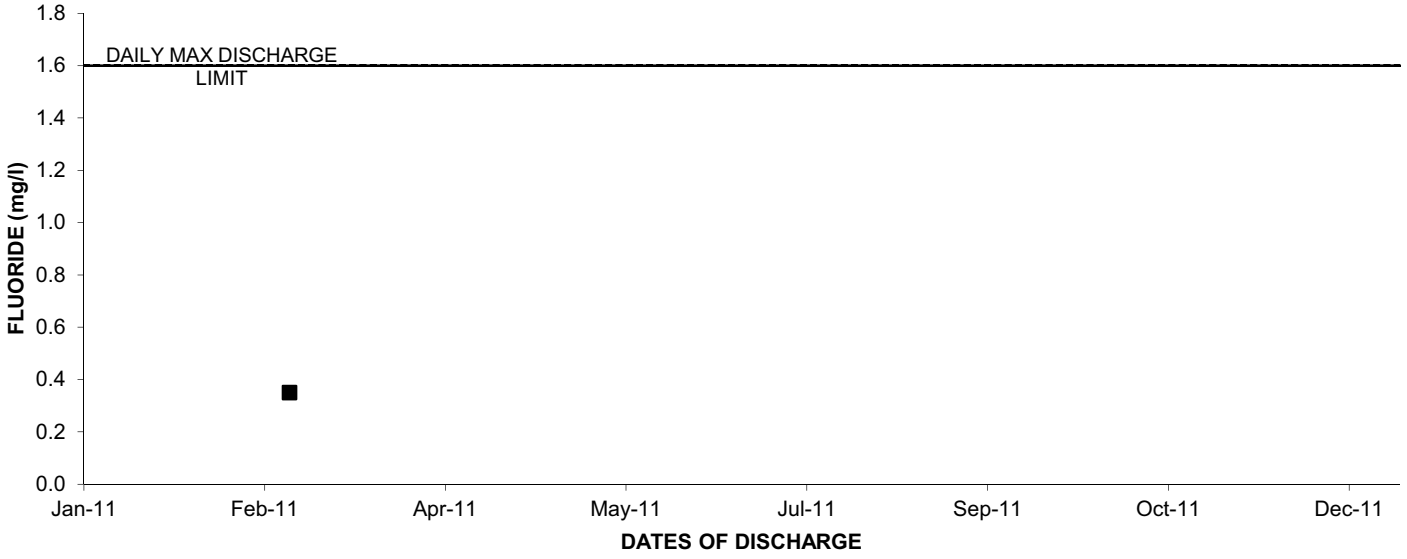
2011: OUTFALL 010 CHLORIDE



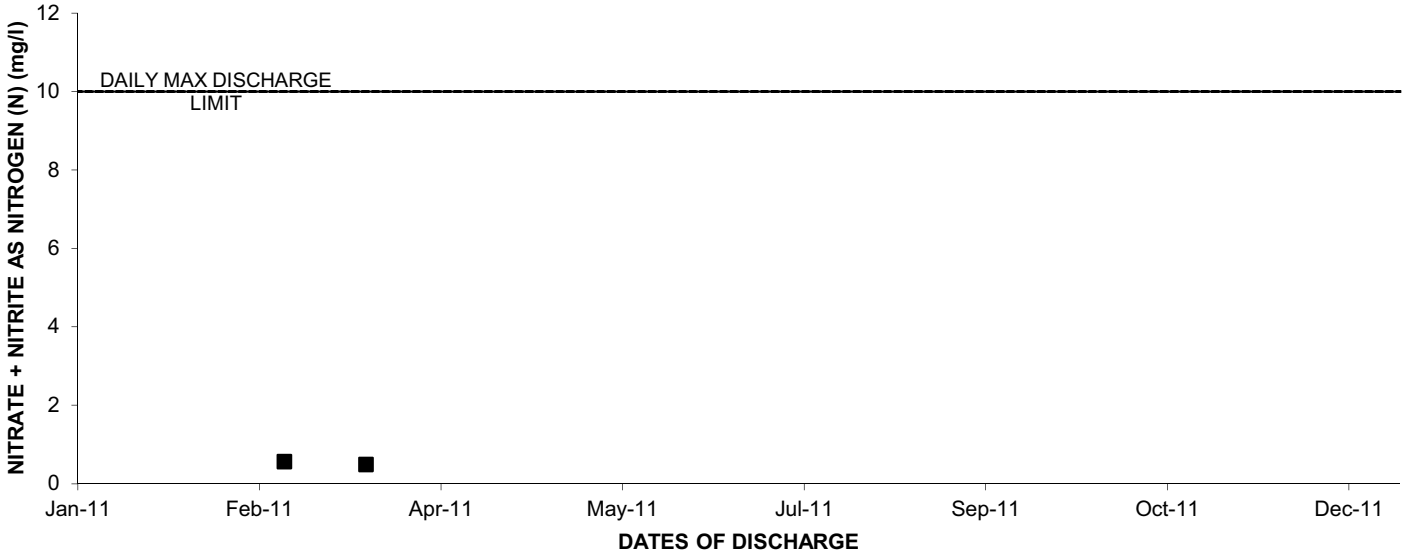
2011: OUTFALL 010 CHRONIC TOXICITY



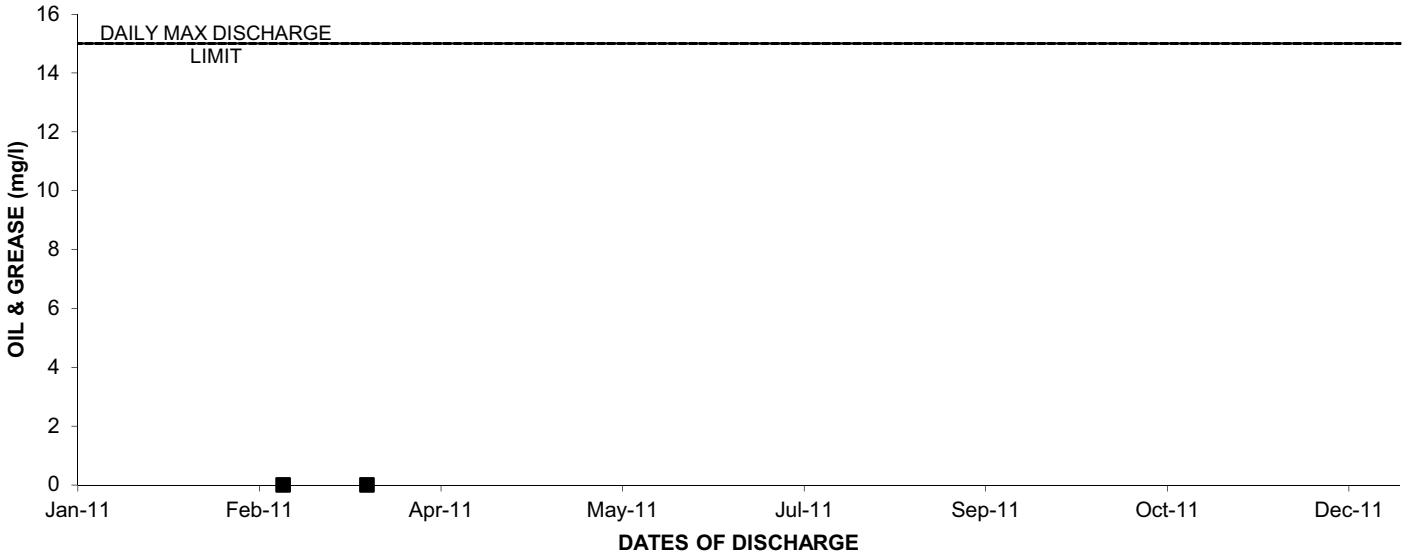
2011: OUTFALL 010 FLUORIDE



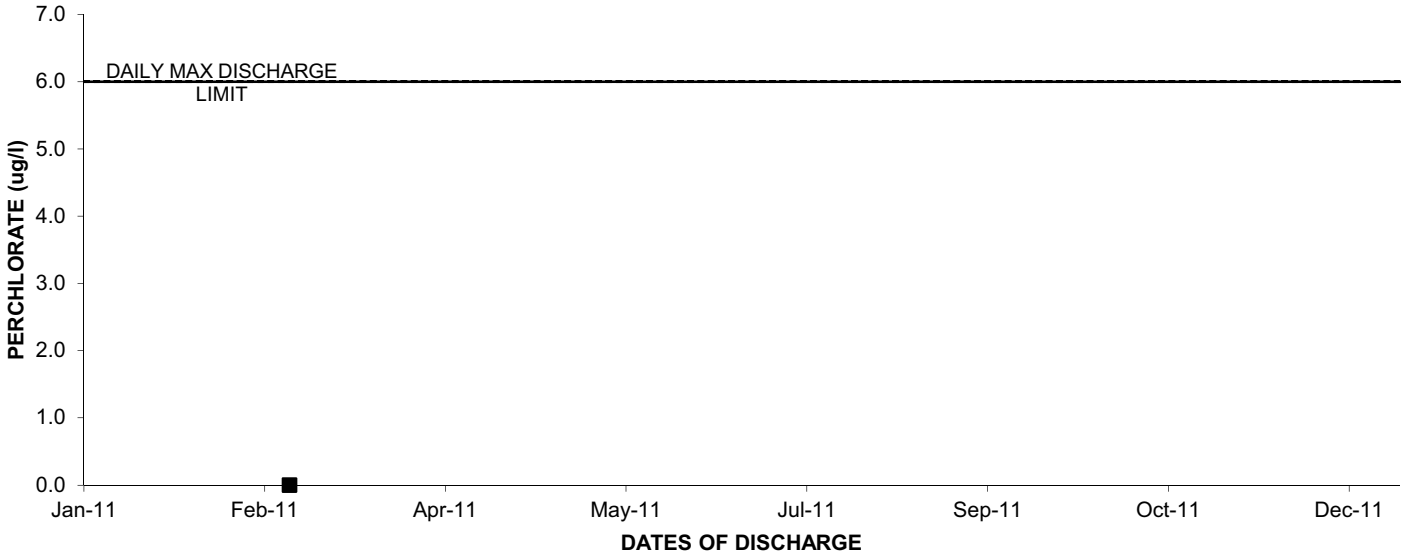
2011: OUTFALL 010 NITRATE + NITRITE AS NITROGEN (N)



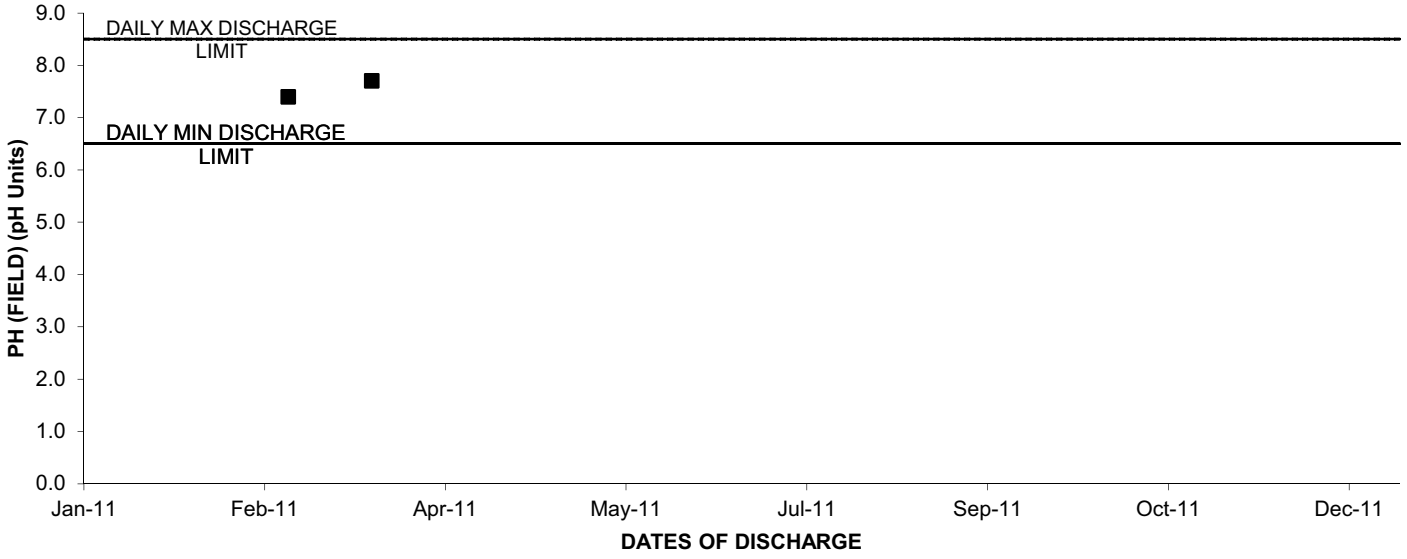
2011: OUTFALL 010 OIL & GREASE



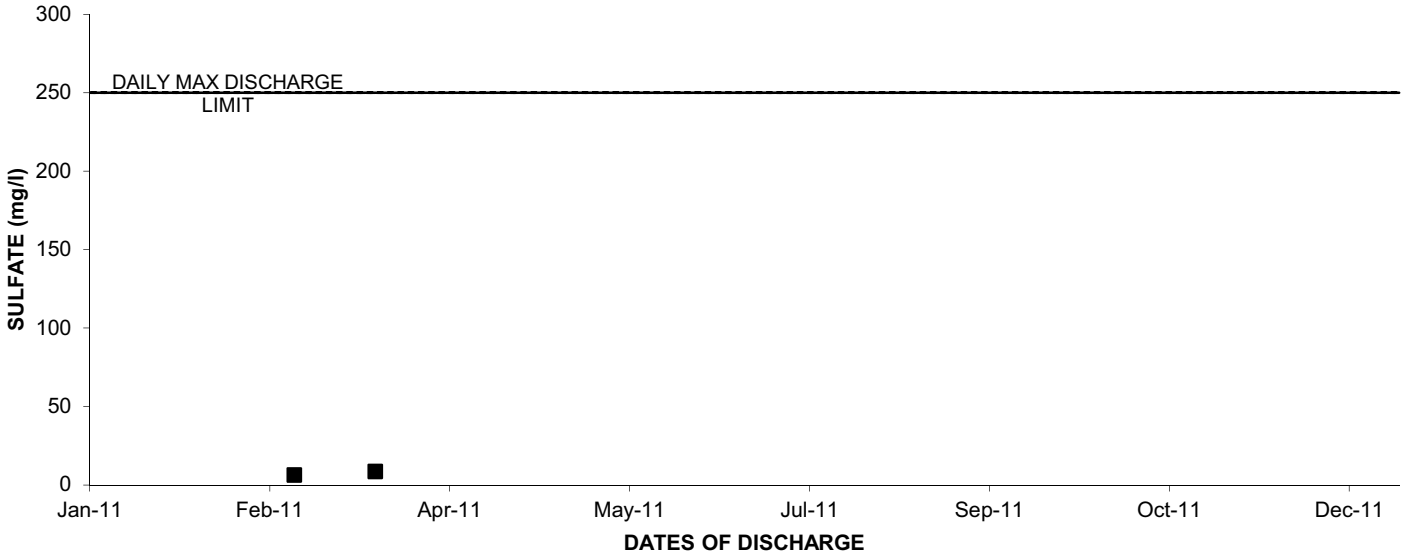
2011: OUTFALL 010 PERCHLORATE



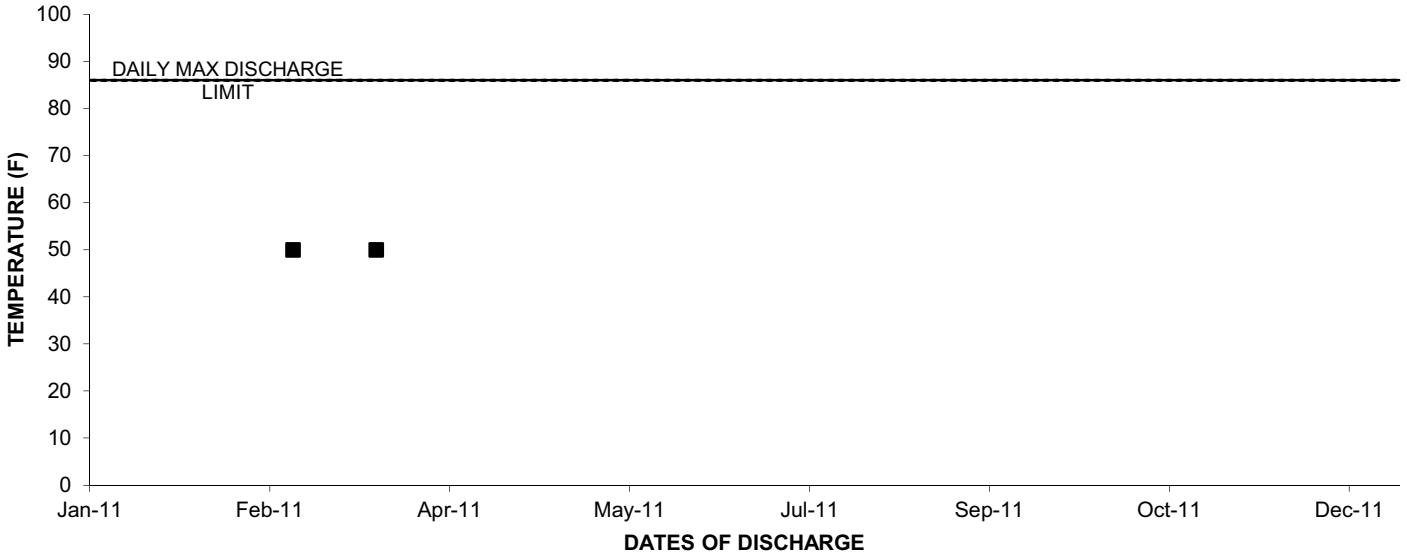
2011: OUTFALL 010 PH (FIELD)



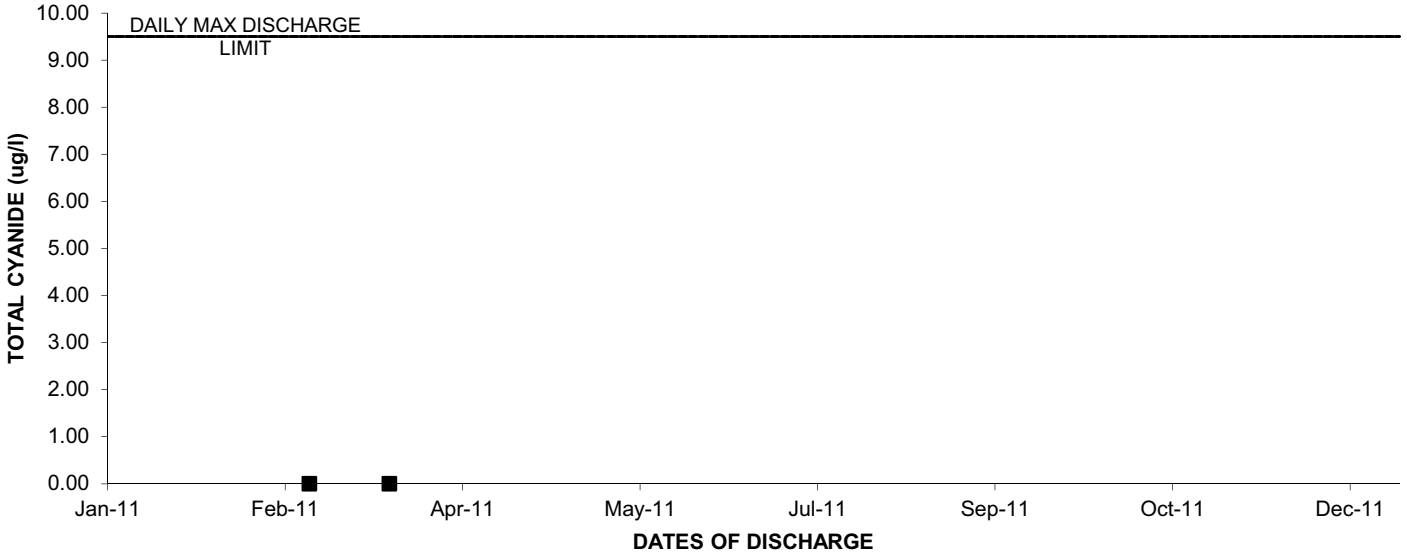
2011: OUTFALL 010 SULFATE



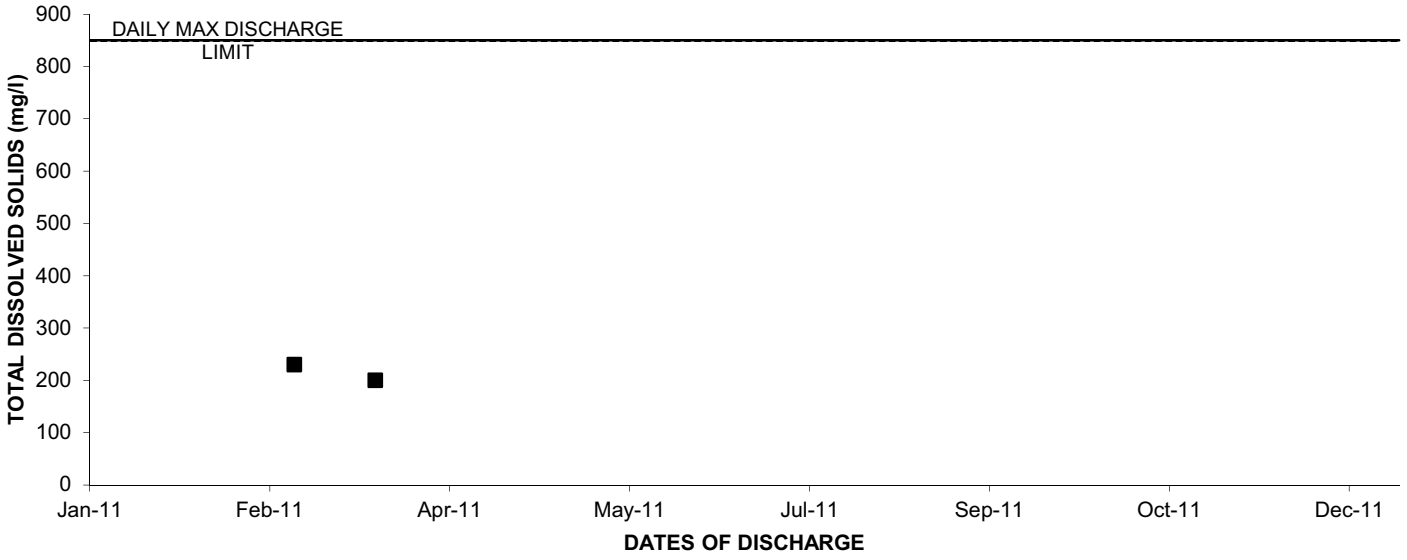
2011: OUTFALL 010 TEMPERATURE



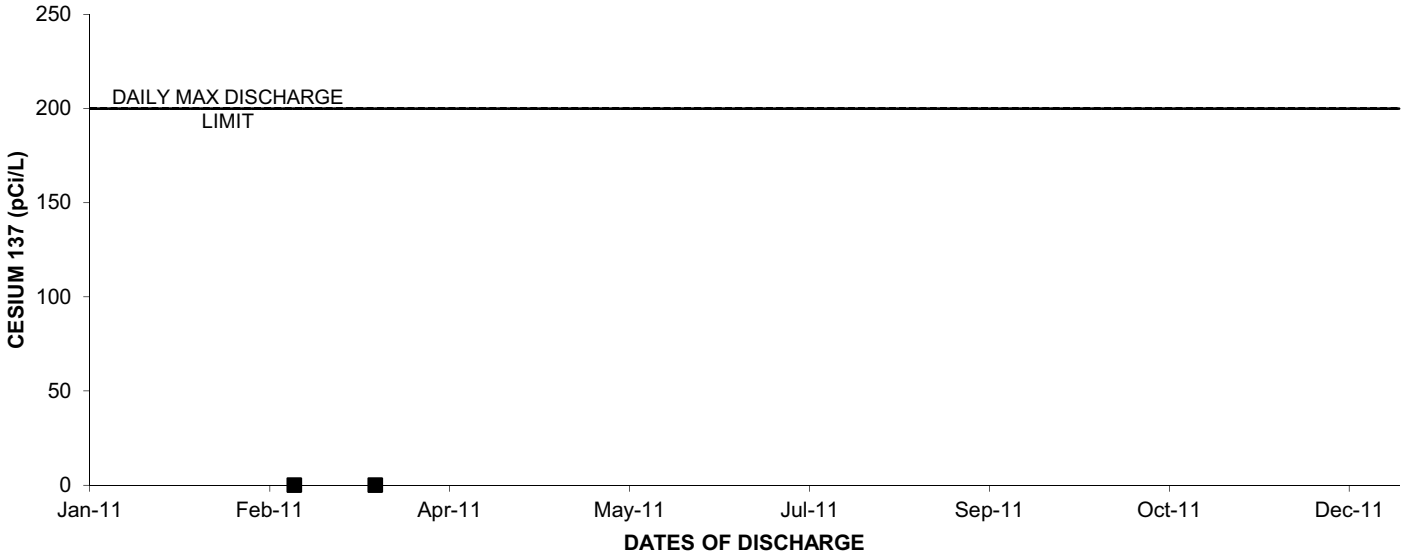
2011: OUTFALL 010 TOTAL CYANIDE



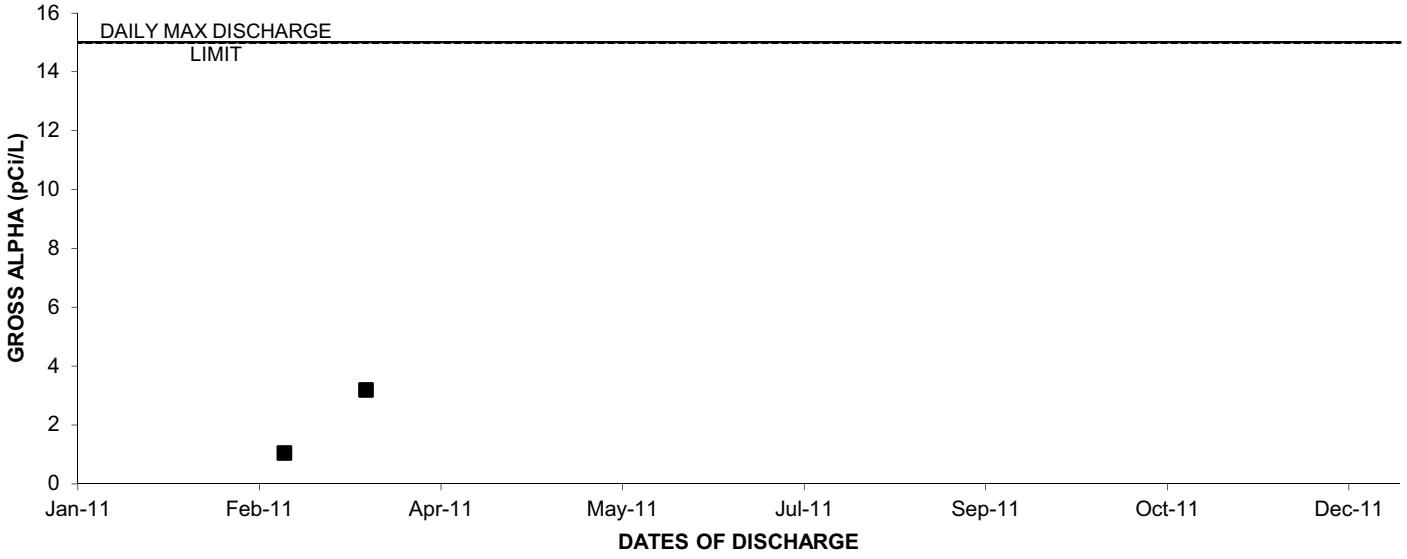
2011: OUTFALL 010 TOTAL DISSOLVED SOLIDS



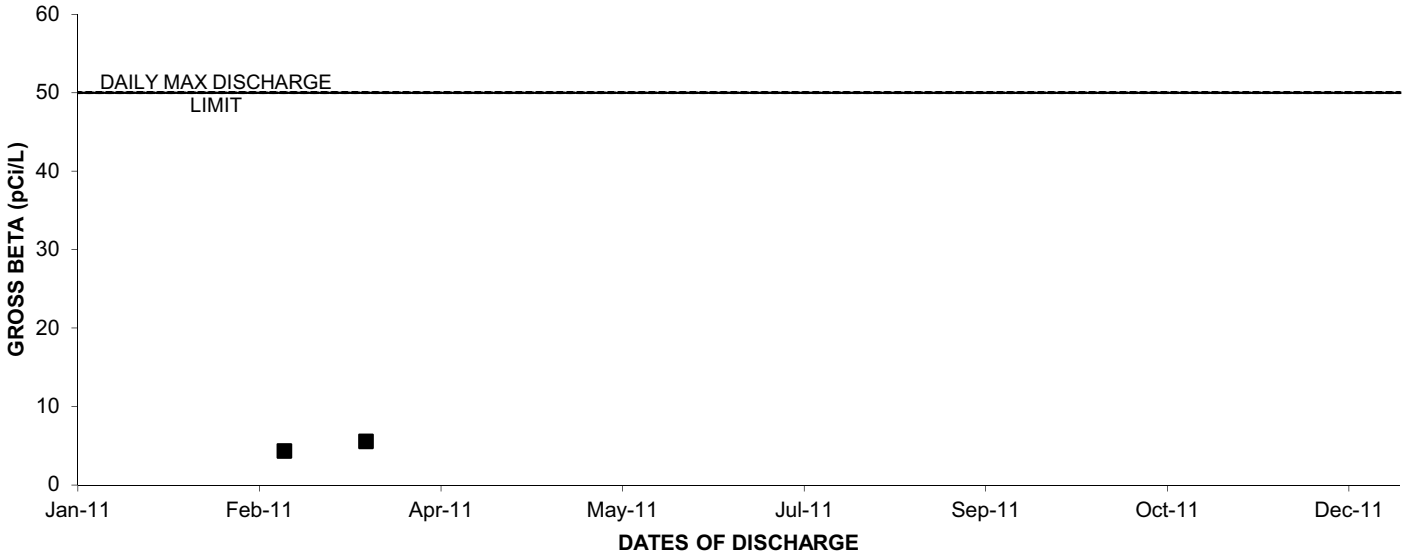
2011: OUTFALL 010 CESIUM 137



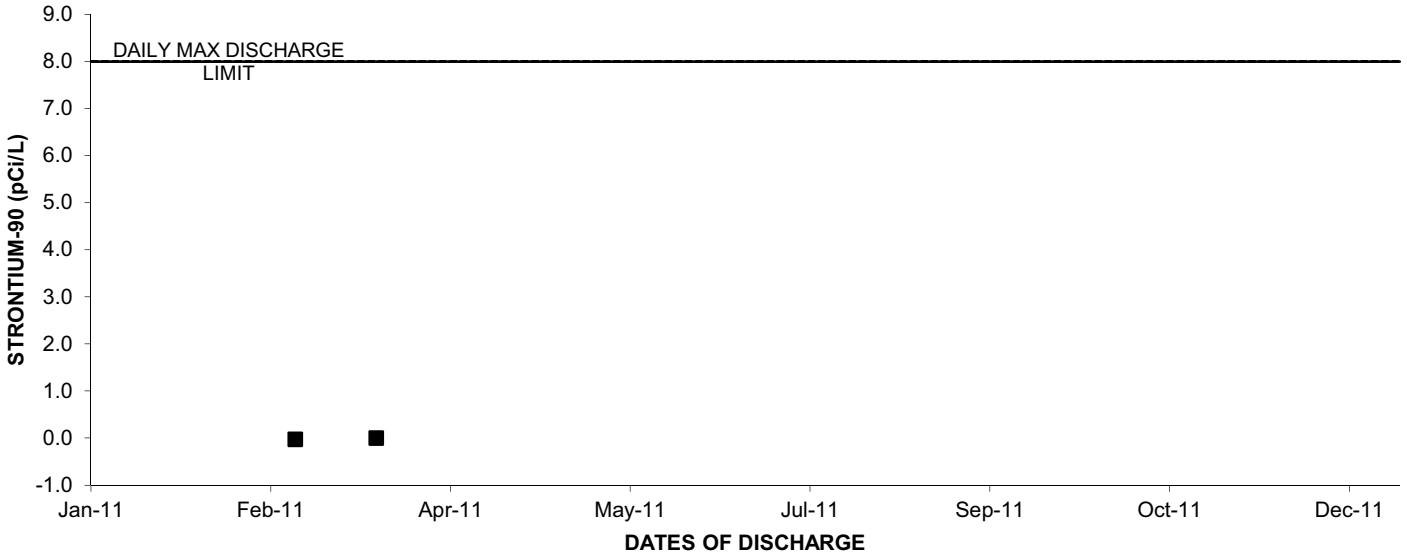
2011: OUTFALL 010 GROSS ALPHA



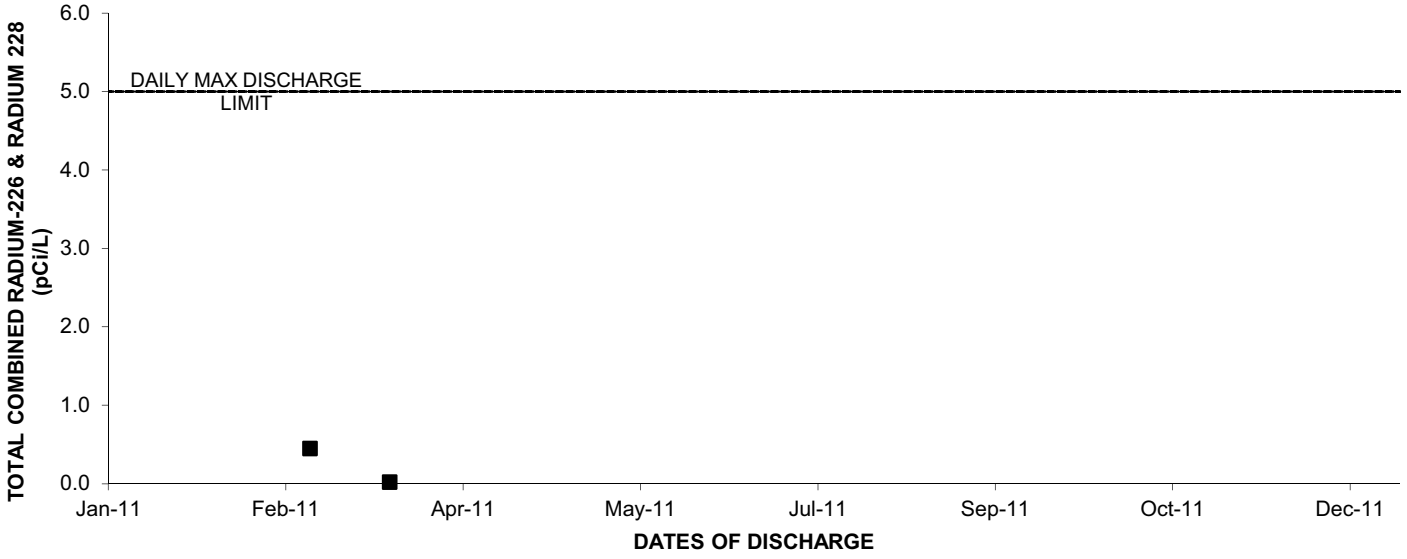
2011: OUTFALL 010 GROSS BETA



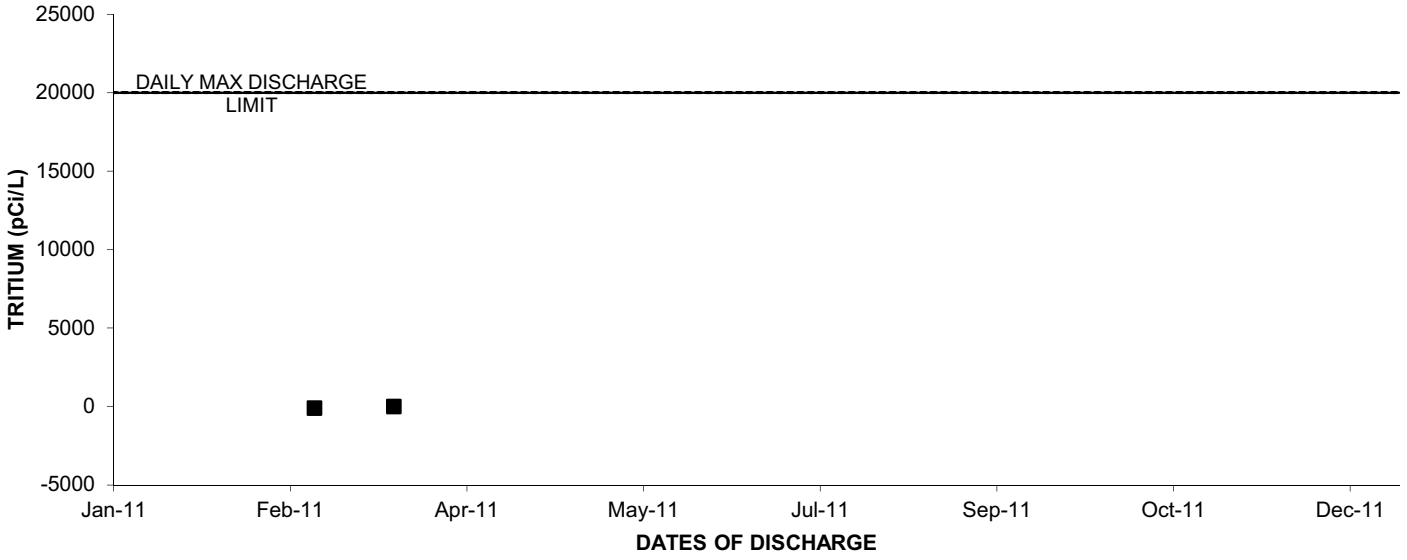
2011: OUTFALL 010 STRONTIUM-90



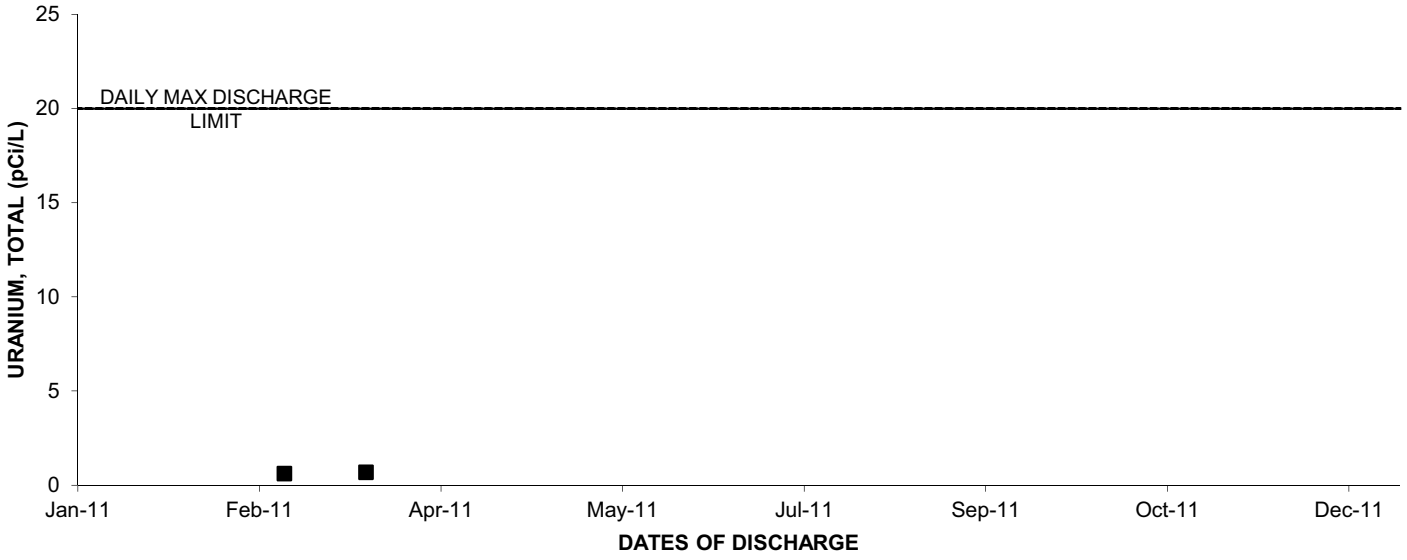
2011: OUTFALL 010 TOTAL COMBINED RADIUM-226 & RADIUM 228

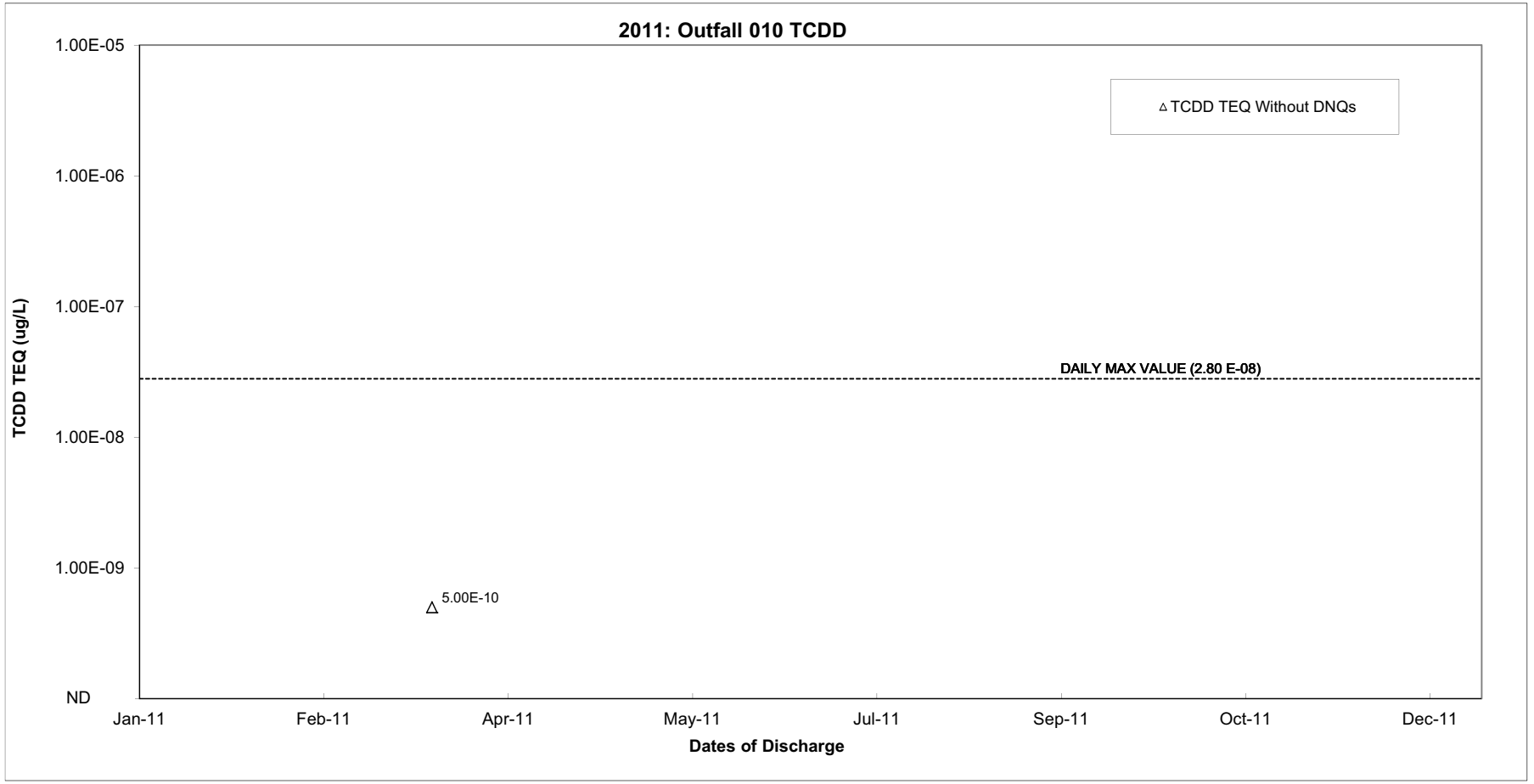


2011: OUTFALL 010 TRITIUM



2011: OUTFALL 010 URANIUM, TOTAL




2011: Outfall 010 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
△ TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
△ 5.00E-10
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 7

OUTFALL 011 (PERIMETER POND WEIR)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.0	*
Chloride	mg/L	150/-	Comp	2.5	*
Dissolved Oxygen	mg/L	-/-	Grab	9.12	*
E. Coli	MPN/100 ml	-/-	Grab	300	*
Fecal Coliform	MPN/100 ml	-/-	Grab	300	*
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Specific Conductivity (Lab)	umhos/cm	-/-	Comp	89	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	Comp	0.17	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.52	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.44	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	4.4	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	83	*
Hardness	mg/L	-/-	Comp	38	--
Hardness, dissolved	mg/L	-/-	Comp	32	--
Total Organic Carbon	mg/L	-/-	Comp	9.1	--
Total Suspended Solids	mg/L	45/-	Comp	35	--
Turbidity	NTU	-/-	Comp	97	--
Volume Discharged	MGD	160/-	Meas	7.22342	*
METALS					
Antimony	ug/L	6.0/-	Comp	0.81	Ja* (DNQ)
Antimony, dissolved	ug/L	-/-	Comp	0.64	Ja* (DNQ)
Arsenic	ug/L	10/-	Comp	8.9	J (DNQ)
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.028	--
Barium, dissolved	mg/L	-/-	Comp	0.017	--
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	0.039	J (C, DNQ)
Boron, dissolved	mg/L	-/-	Comp	0.044	J (DNQ)
Cadmium	ug/L	3.1/-	Comp	0.16	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Calcium	mg/L	-/-	Comp	10	--
Calcium, Dissolved	mg/L	-/-	Comp	9.4	--
Chromium	ug/L	16/-	Comp	5.9	--
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	16/-	Comp	ND < 0.250	H3*
Cobalt	ug/L	-/-	Comp	2.2	J (DNQ)
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/-	Comp	5.15	*
Copper, dissolved	ug/L	-/-	Comp	2.32	*
Iron	mg/L	0.3/-	Comp	3.6	--
Iron, dissolved	mg/L	-/-	Comp	0.059	--
Lead	ug/L	5.2/-	Comp	3.5	*
Lead, dissolved	ug/L	-/-	Comp	0.35	Ja* (DNQ)
Magnesium	mg/L	-/-	Comp	3.2	J (C)
Magnesium, Dissolved	mg/L	-/-	Comp	2.1	--
Manganese	ug/L	50/-	Comp	55	--
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/-	Comp	4.5	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	2.2	J (DNQ)
Selenium	ug/L	8.2/-	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	7.3	J (DNQ)
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/-	Comp	28.4	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*

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OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
ADDITIONAL ANALYTES					
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 4.72	U
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	C*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	C*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U

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OUTFALL 011 (Perimeter Pond Weir)

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	Comp	ND < 0.0014	C*
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	C*
Anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 4.72	R (L)
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 4.72	U (B)
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	C*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	C*
Diethylphthalate	ug/L	-/-	Comp	0.302	J (DNQ)
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	Comp	0.396	J (DNQ)
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	C*
Endrin	ug/L	-/-	Comp	ND < 0.0019	C*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	C*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachloroethane	ug/L	-/-	Comp	ND < 0.189	U
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	C*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	Comp	ND < 0.0943	U
Nitrobenzene	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	L*

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OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20-21, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	9.60E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.90E-07	5.00E-05	2.00E-05	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	9.20E-07	5.00E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	6.90E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	4.10E-07	5.00E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	3.80E-07	5.00E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	5.80E-07	5.00E-05	1.40E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.80E-07	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	9.50E-07	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	6.90E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	3.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.20E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	8.60E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	6.70E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	2.50E-06	1.00E-04	4.30E-04	--		0.0001	0.01	**4.30E-10**
OCDF	1.10E-06	1.00E-04	3.60E-05	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**4.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 011 (Perimeter Pond Weir)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	2.26 ± 0.46	0.276	J (C, DNQ)
Gross Beta	pCi/L	50/-	6.22 ± 0.70	0.866	--
Strontium-90	pCi/L	8.0/-	-0.018 ± 0.26	0.625	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.58 ± 0.47	0.96	U
Tritium	pCi/L	20000/-	-77.2 ± 96	167	U
Uranium, Total	pCi/L	20/-	0.321 ± 0.18	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 58.4	58.4	U
Cesium 137	pCi/L	200/-	ND < 3.25	3.25	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 011 (Perimeter Pond Weir)

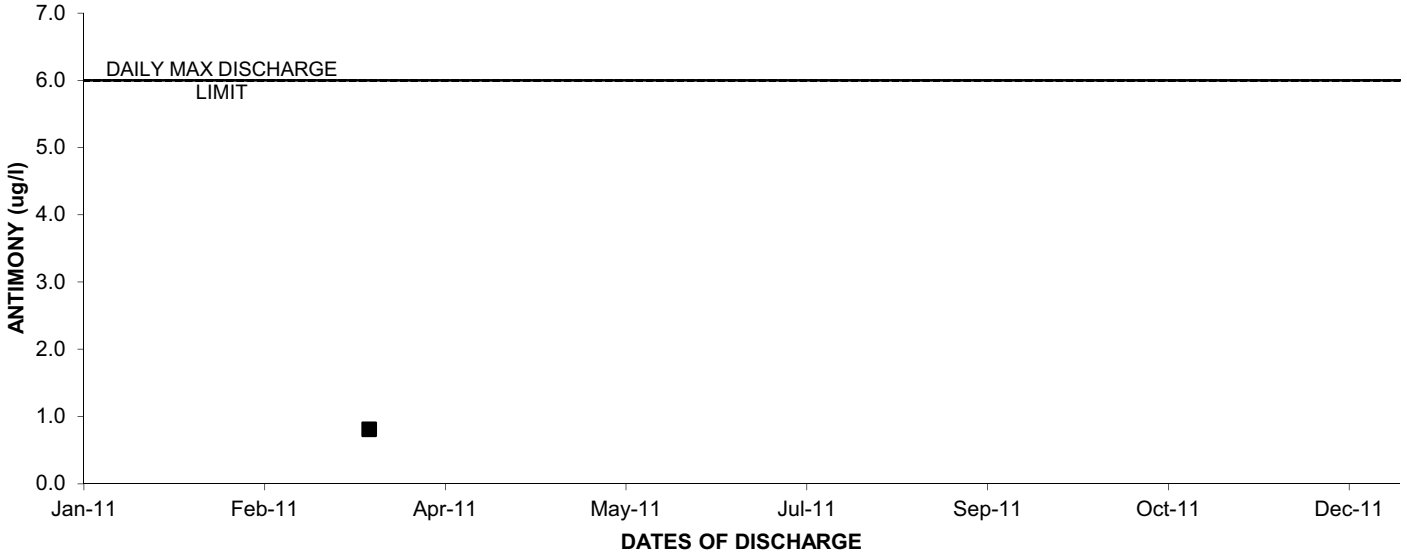
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

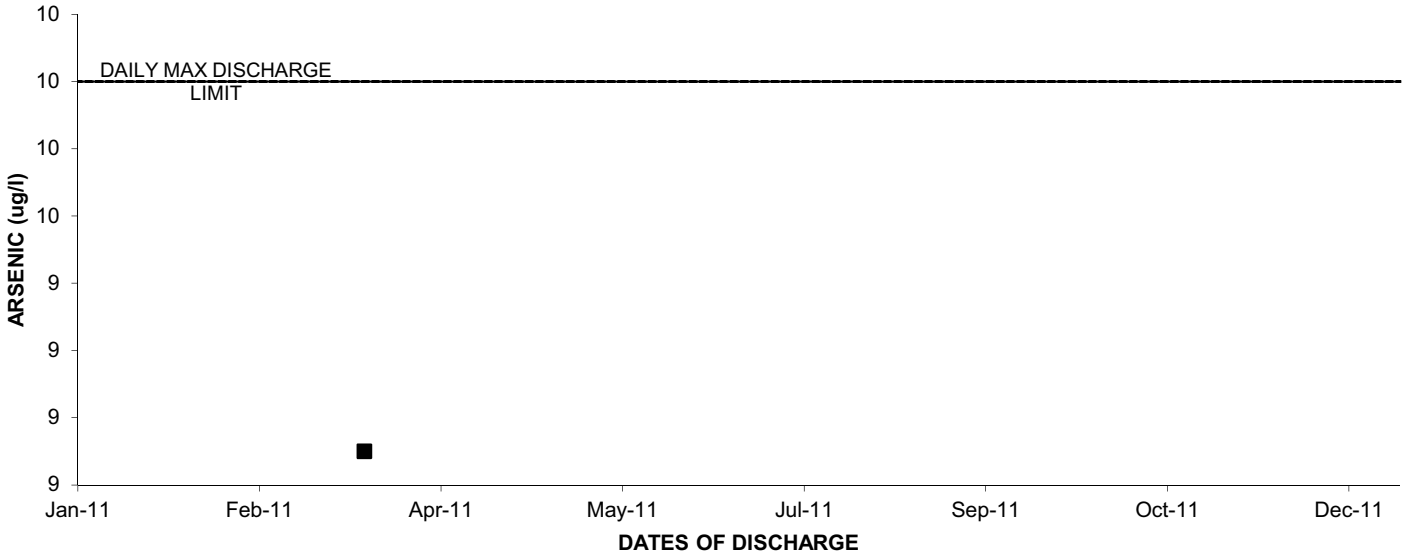
			03/20/2011-03/21/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	4.18256	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	69.77	*
Chloride	LBS/DAY	200,160/-	Comp	87.21	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	Comp	5.93	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	18.14	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	15.35	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	153.48	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	2895.25	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	1220.89	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	0.03	Ja* (DNQ)
Arsenic	LBS/DAY	67/-	Comp	0.31	J (DNQ)
Barium	LBS/DAY	1,330/-	Comp	0.98	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	4.1/-	Comp	0.01	Ja* (DNQ)
Chromium	LBS/DAY	22/-	Comp	0.21	--
Copper	LBS/DAY	19/-	Comp	0.18	*
Iron	LBS/DAY	400/-	Comp	125.58	--
Lead	LBS/DAY	6.9/-	Comp	0.12	*
Manganese	LBS/DAY	66.7/-	Comp	1.92	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	0.16	J (DNQ)
Selenium	LBS/DAY	11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.99	--
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	1.50E-11	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

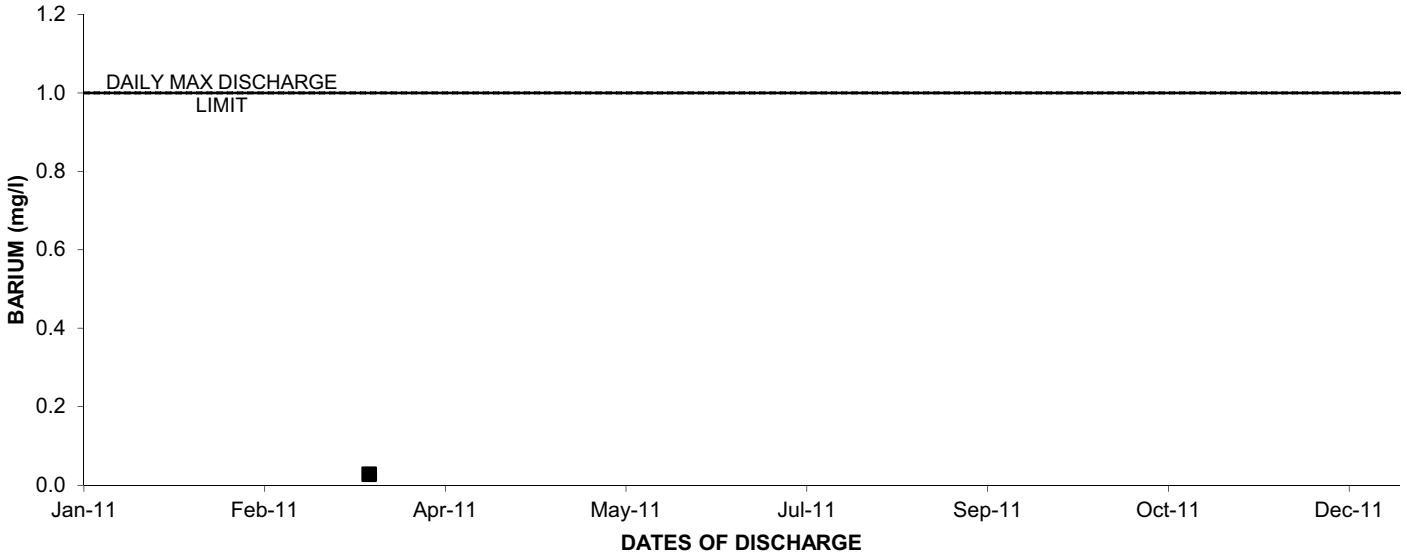
2011: OUTFALL 011 ANTIMONY



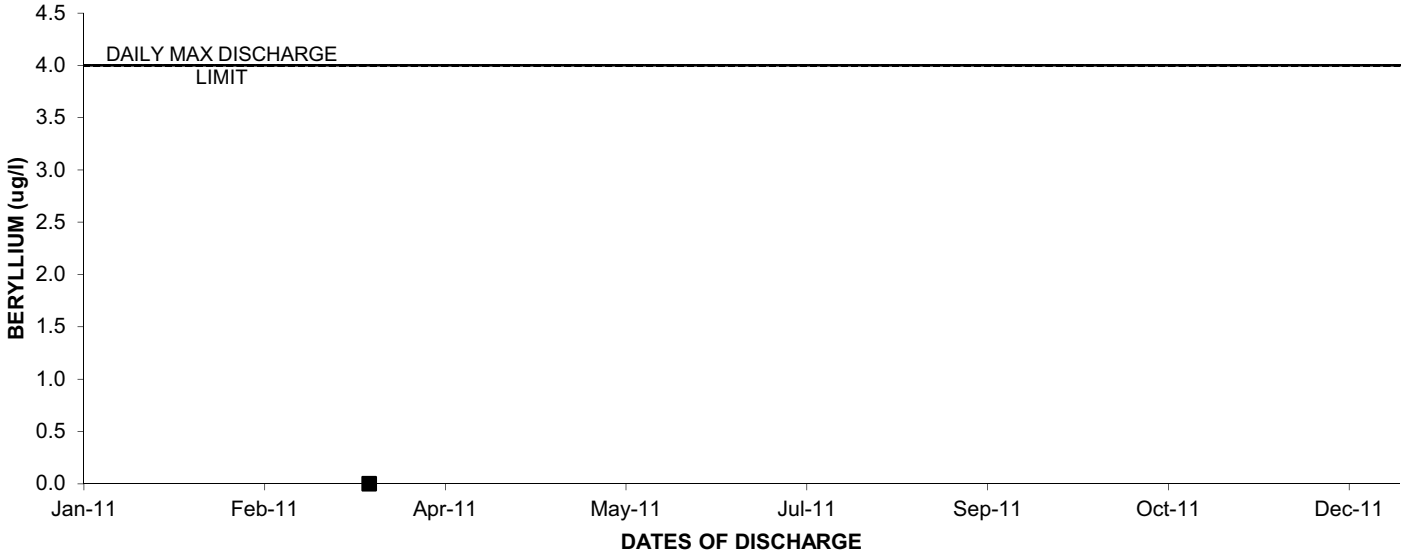
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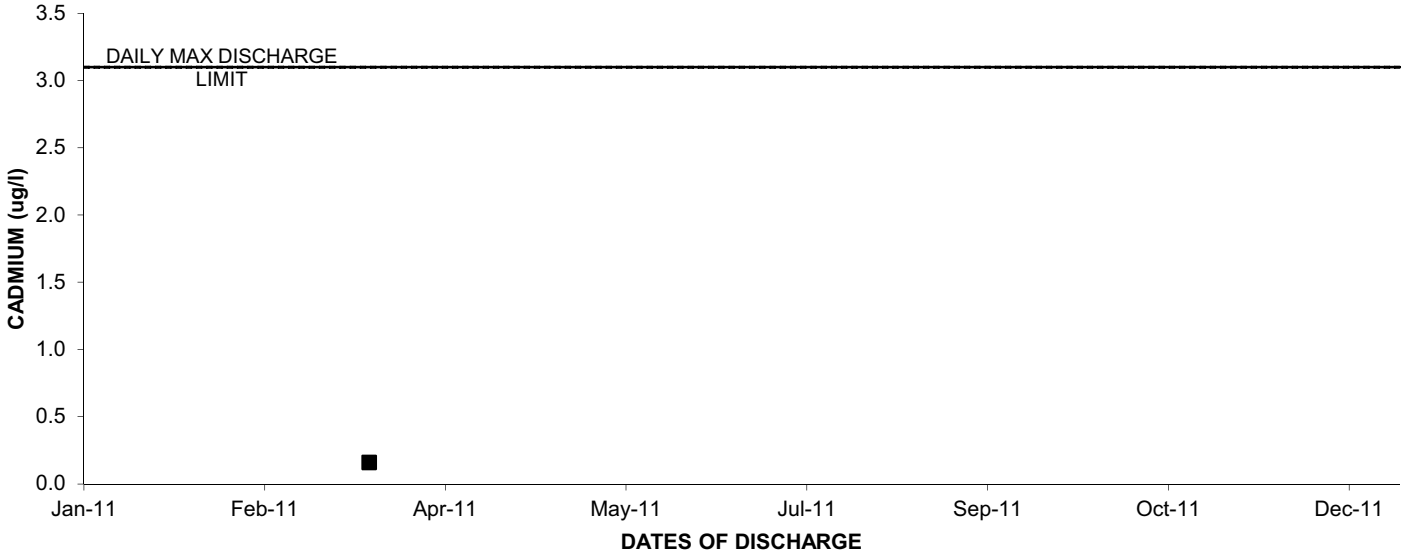
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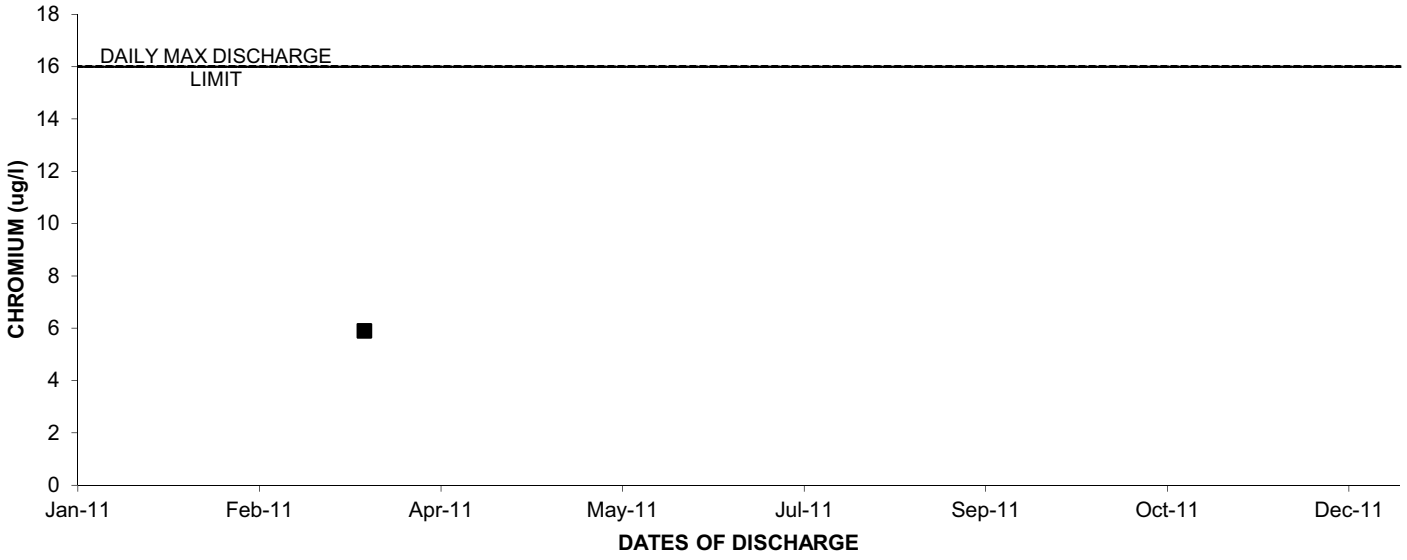
2011: OUTFALL 011 BERYLLIUM



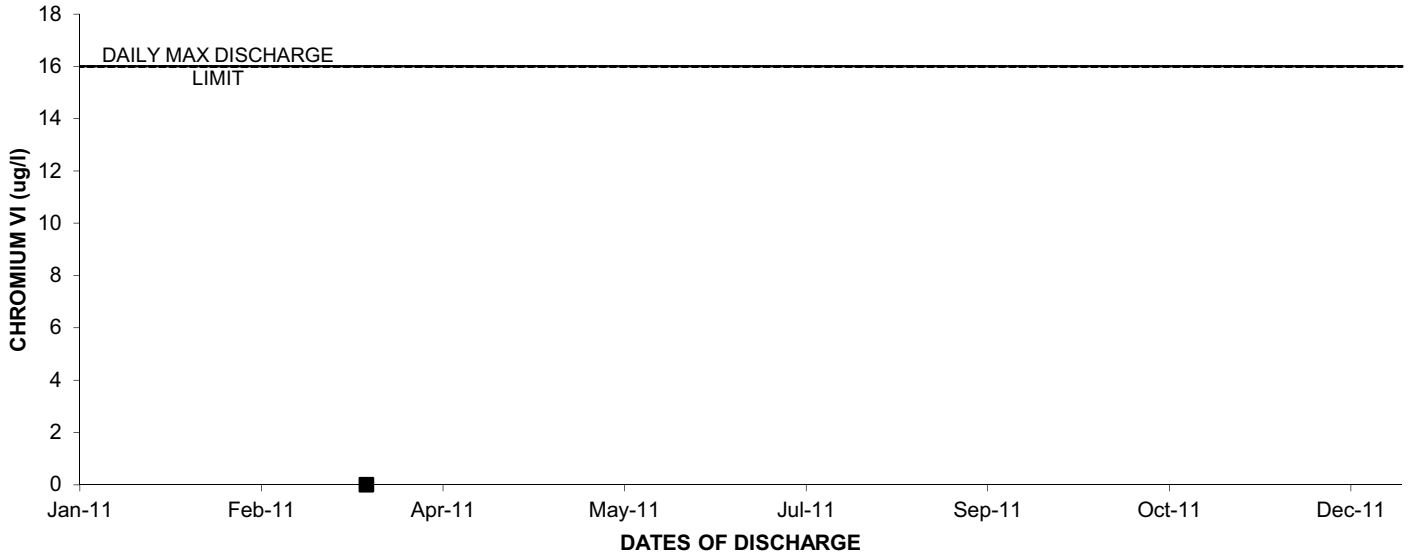
2011: OUTFALL 011 CADMIUM



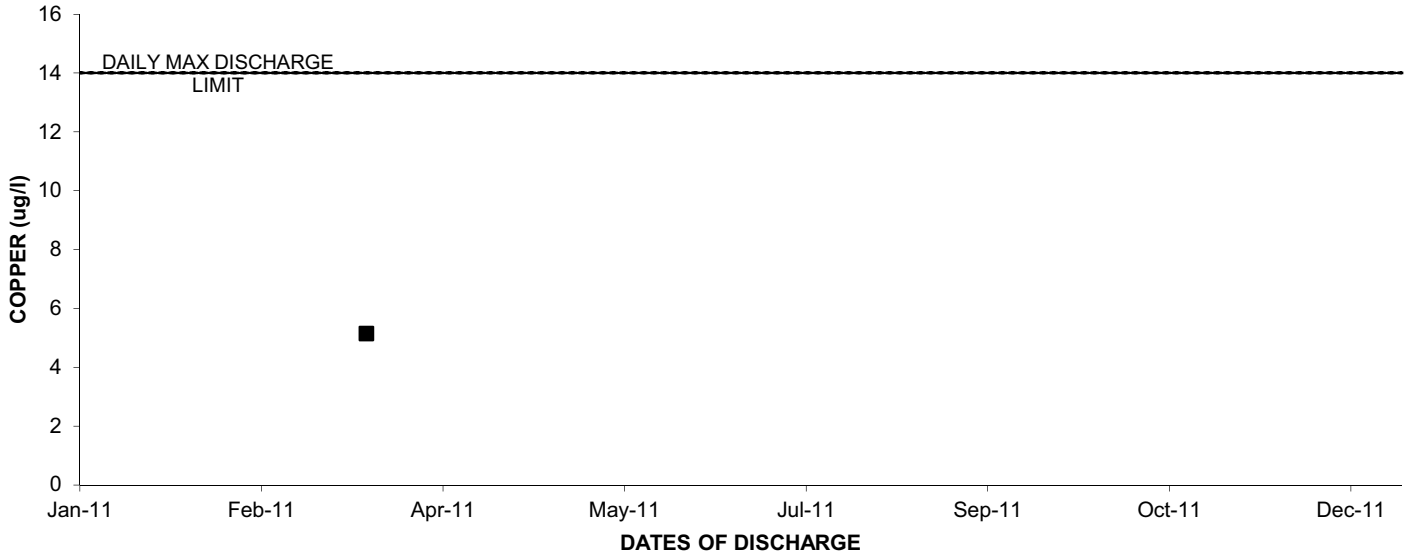
2011: OUTFALL 011 CHROMIUM



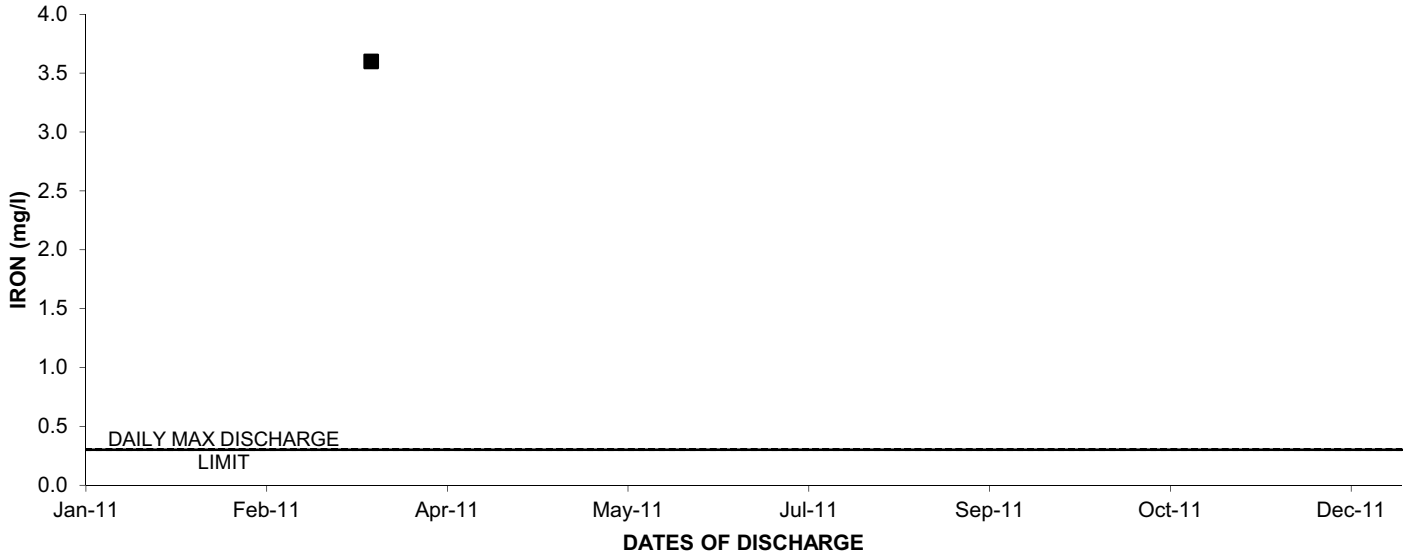
2011: OUTFALL 011 CHROMIUM VI



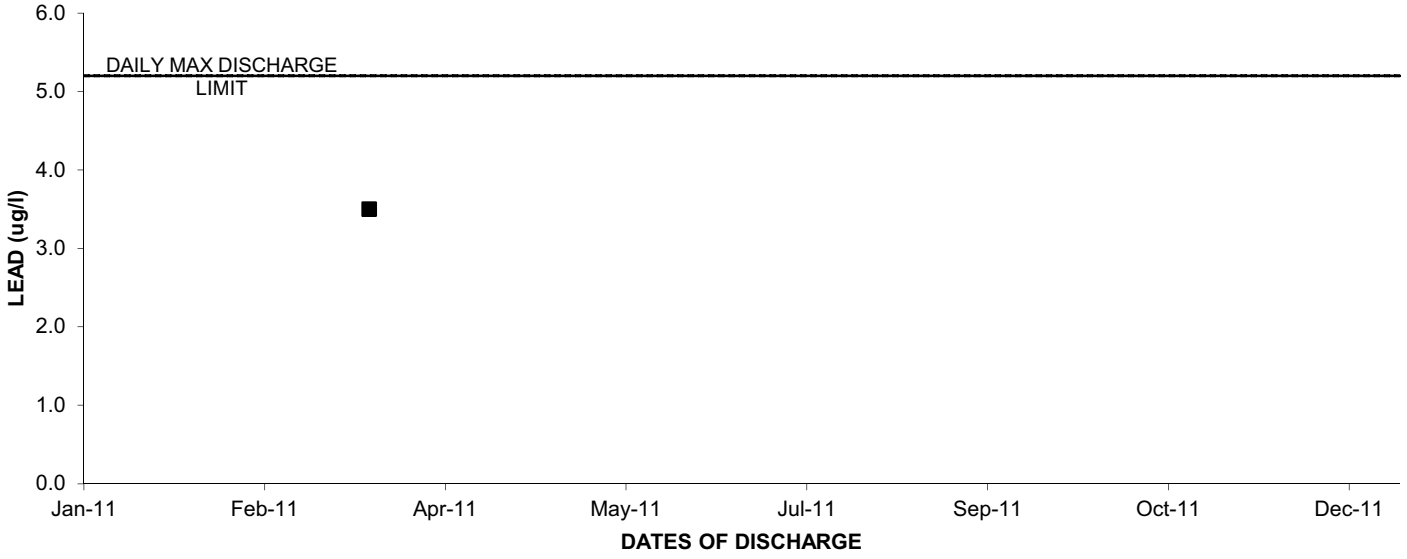
2011: OUTFALL 011 COPPER



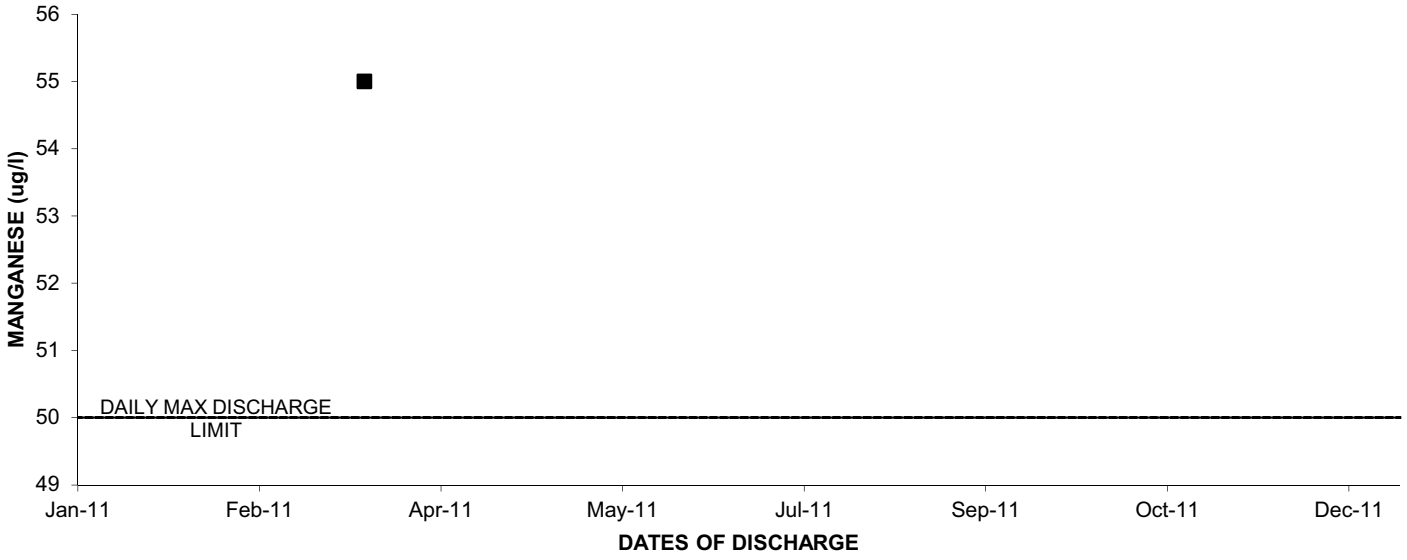
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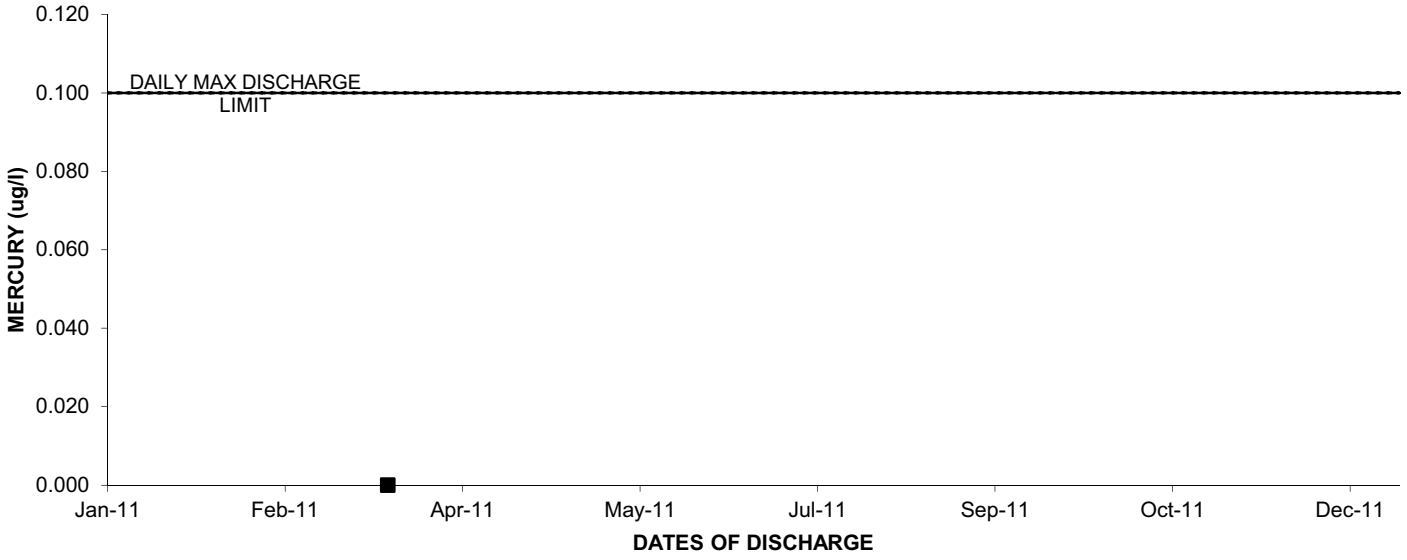
2011: OUTFALL 011 LEAD



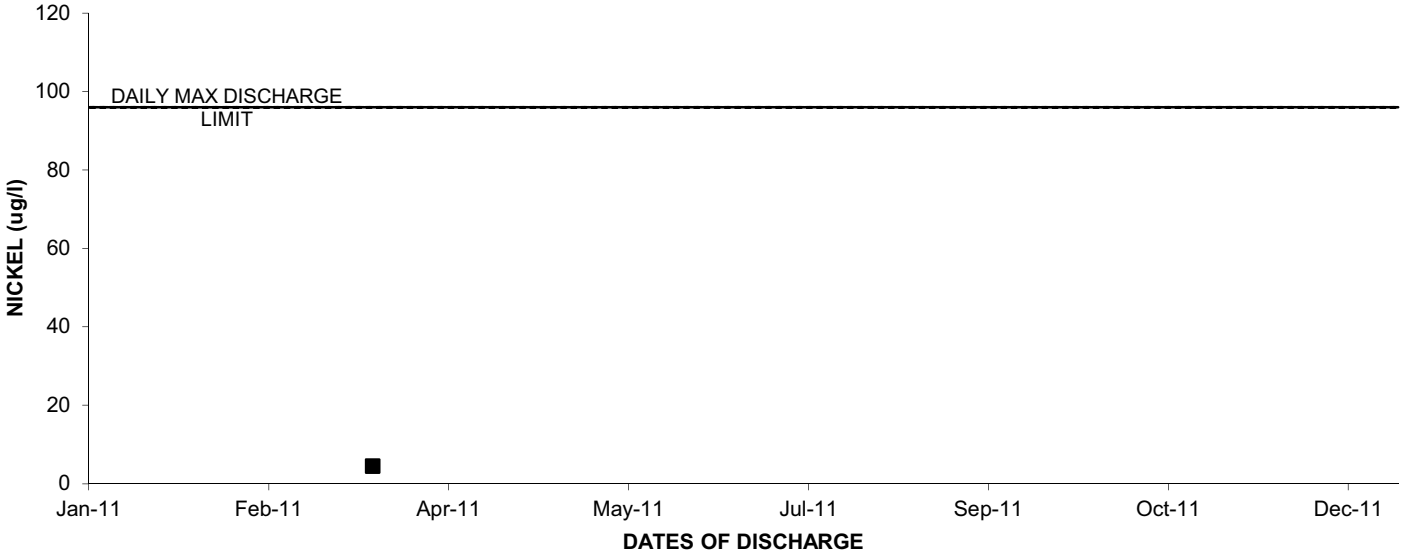
2011: OUTFALL 011 MANGANESE



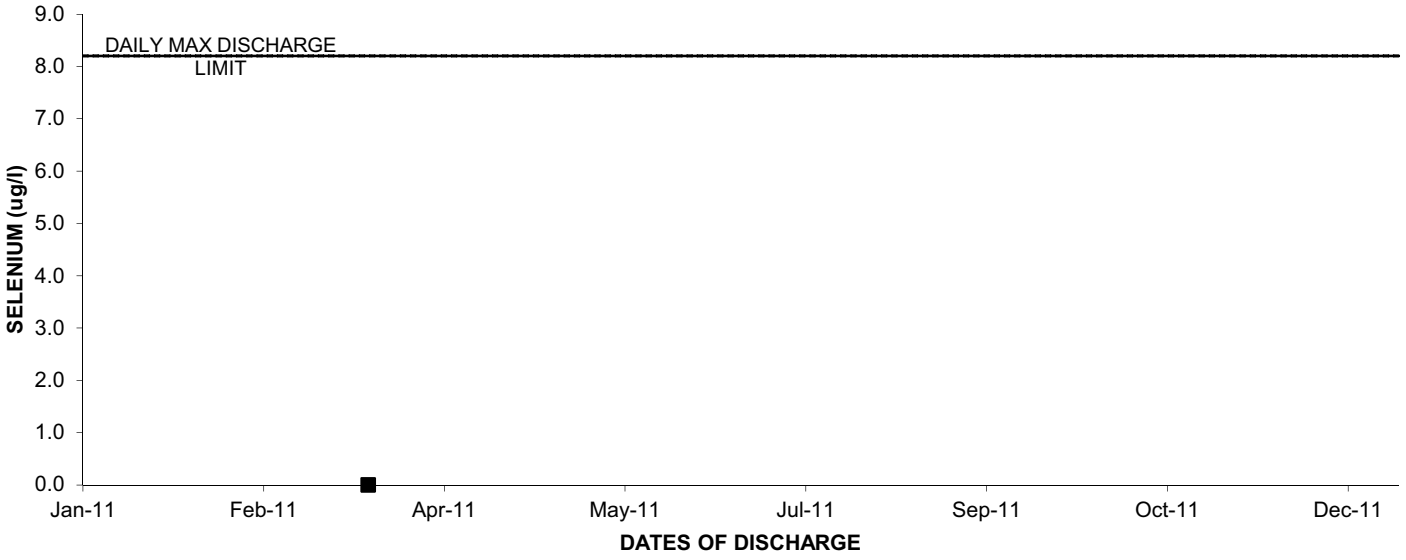
2011: OUTFALL 011 MERCURY



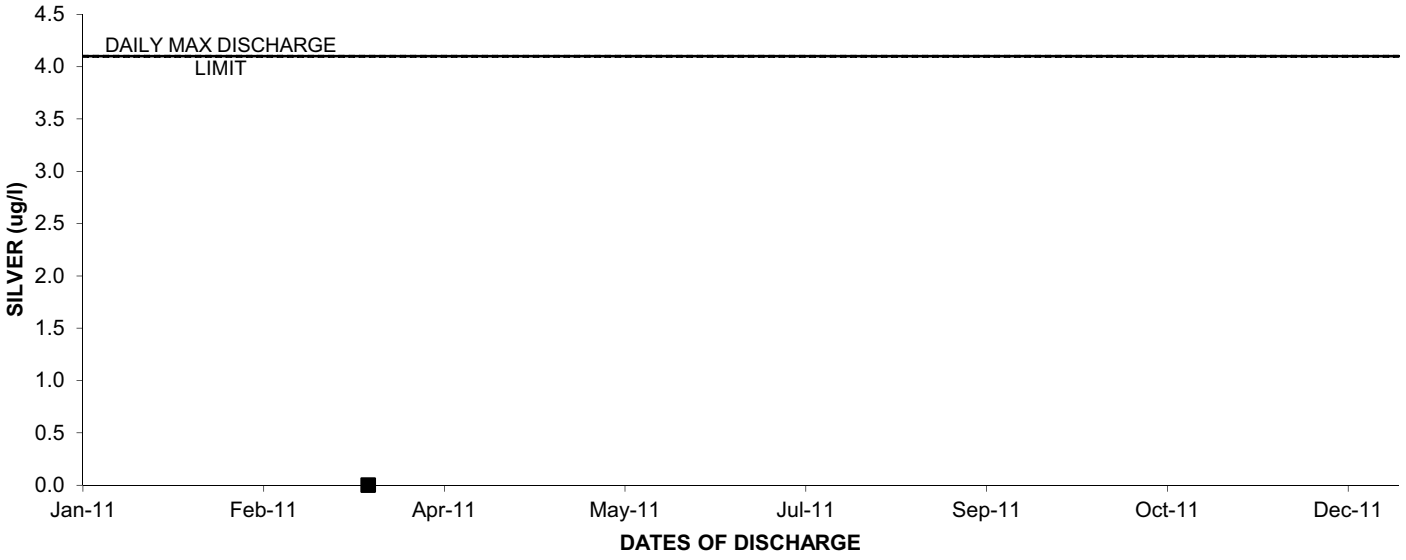
2011: OUTFALL 011 NICKEL



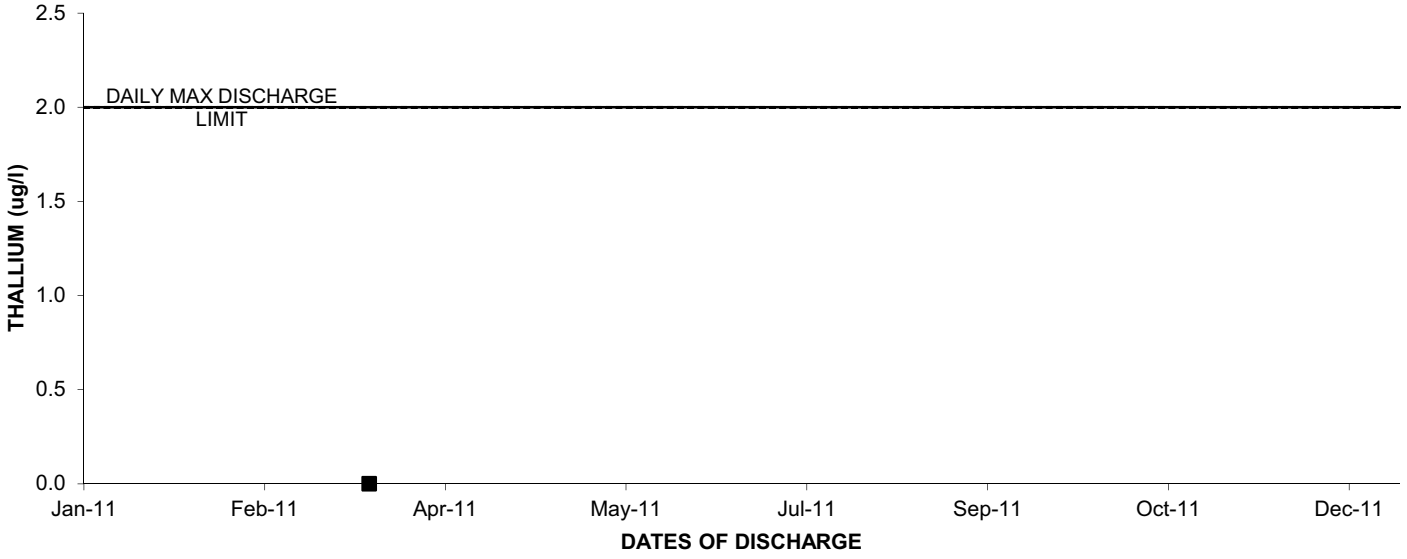
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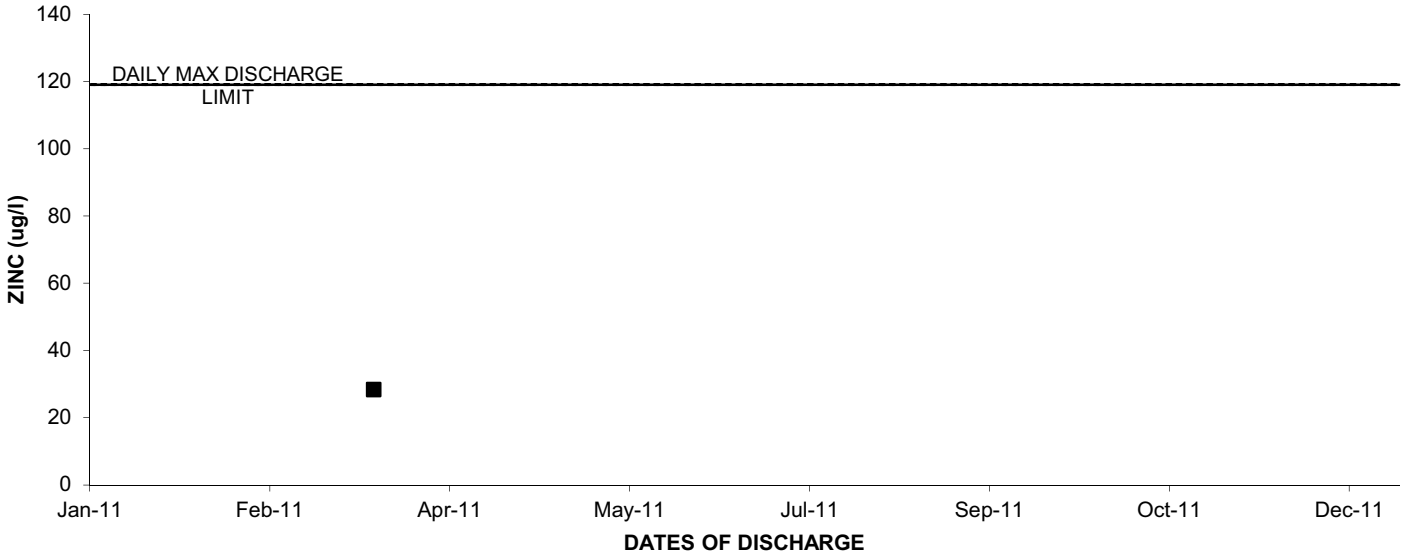
2011: OUTFALL 011 SILVER



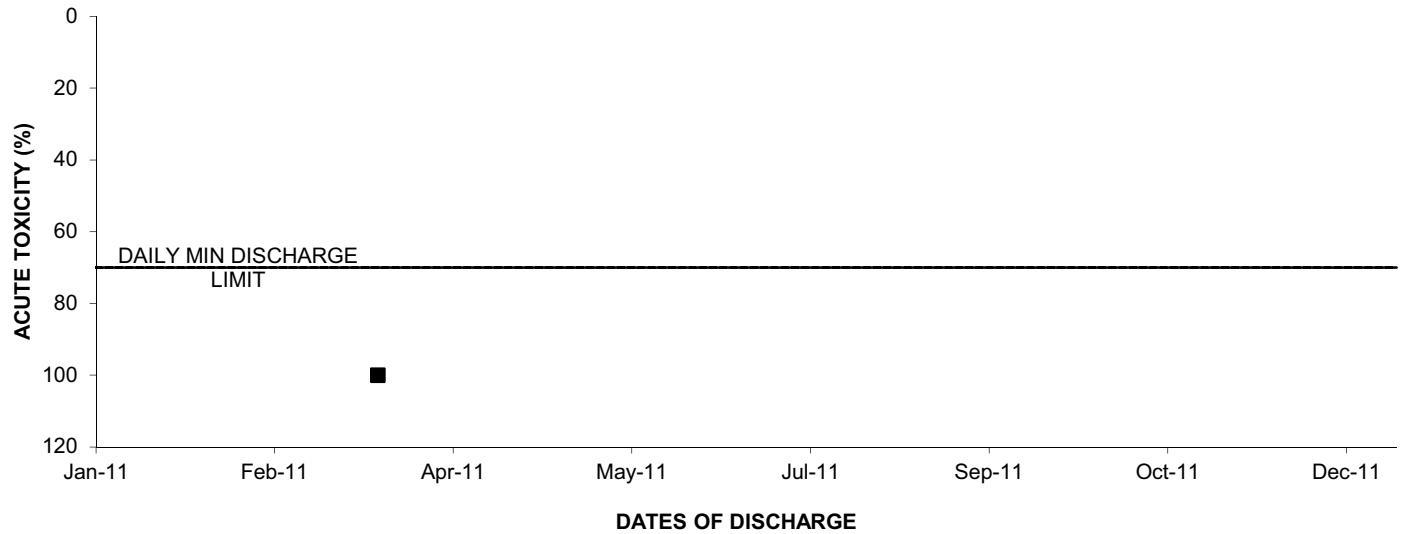
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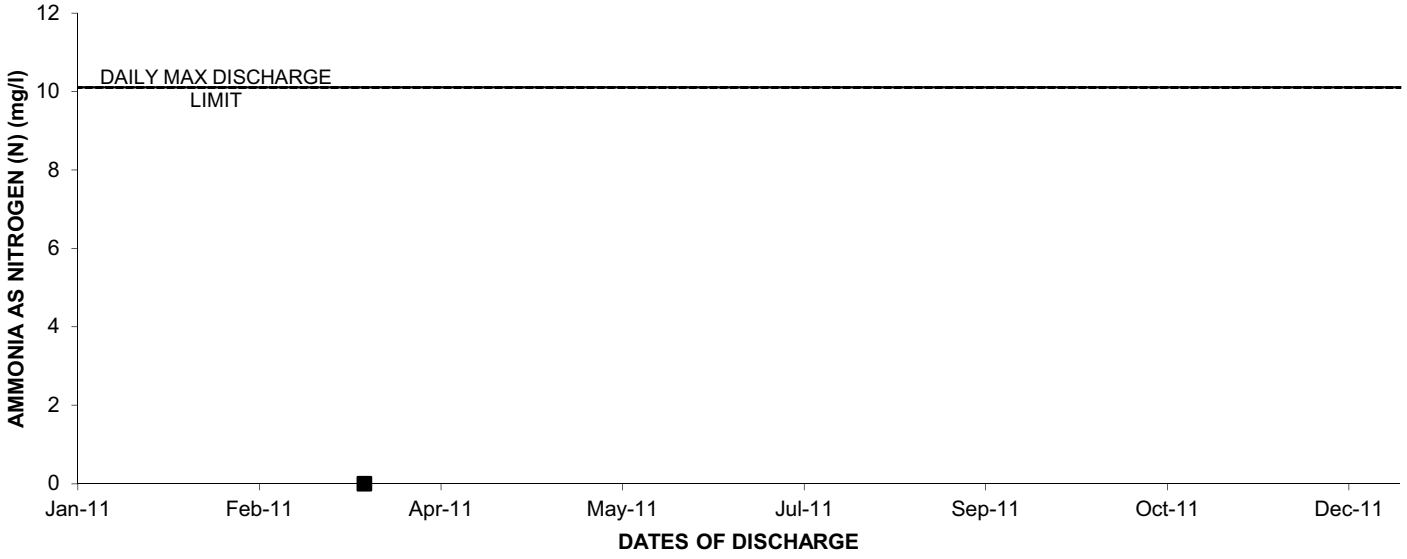
2011: OUTFALL 011 ZINC



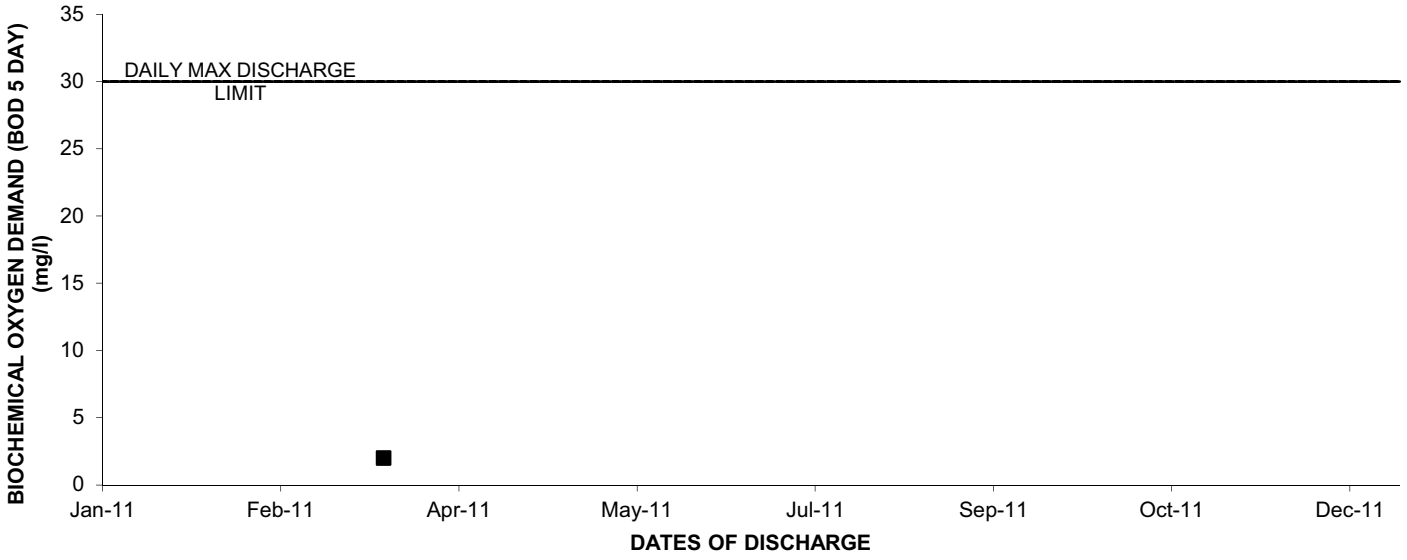
2011: OUTFALL 011 ACUTE TOXICITY



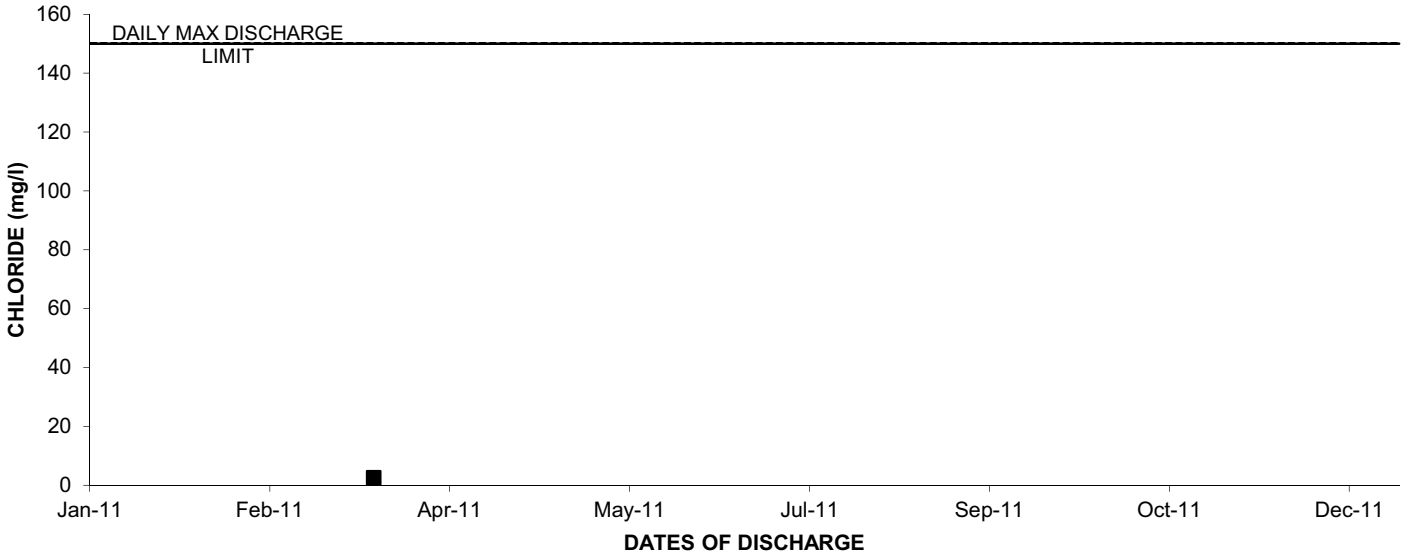
2011: OUTFALL 011 AMMONIA AS NITROGEN (N)



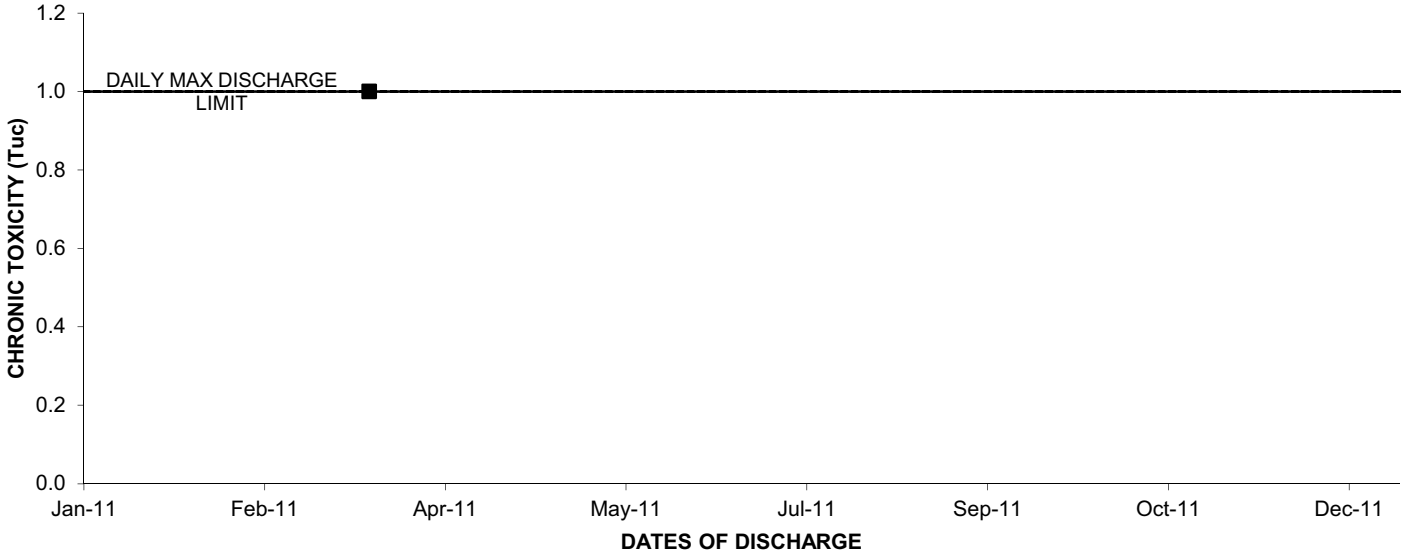
2011: OUTFALL 011 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



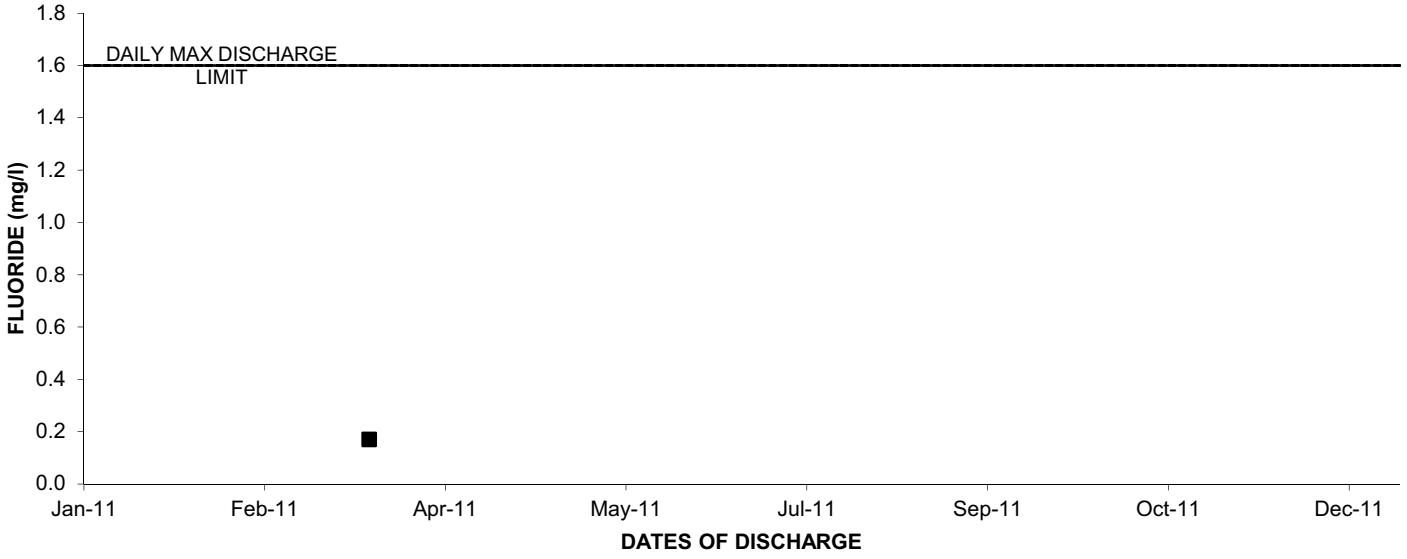
2011: OUTFALL 011 CHLORIDE



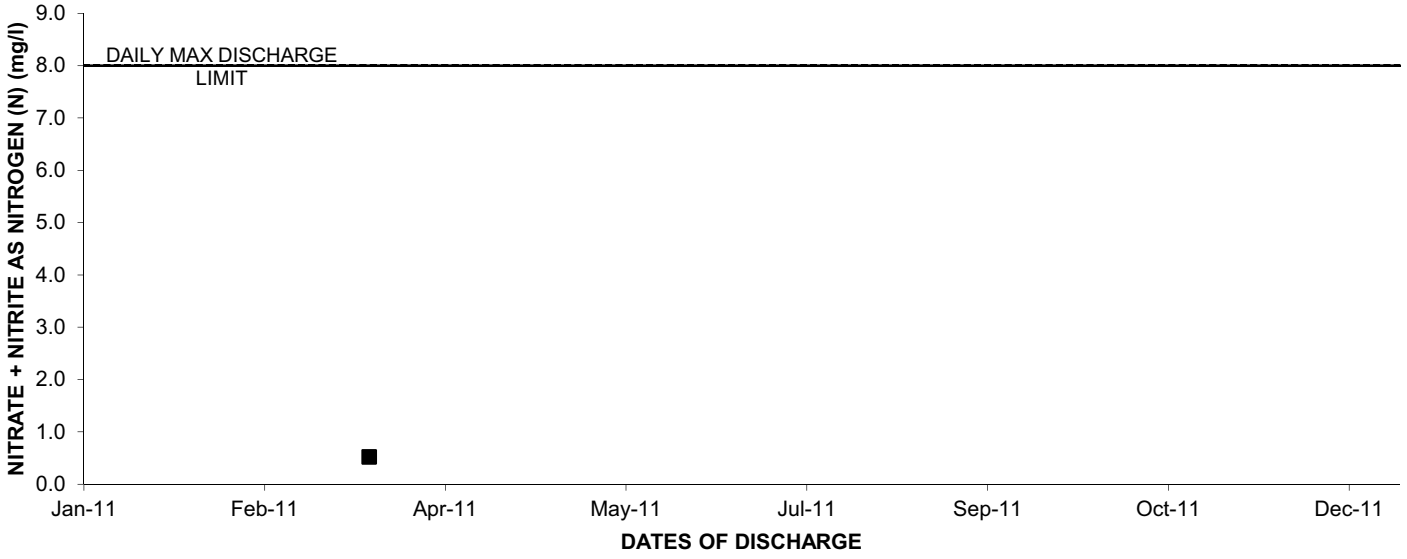
2011: OUTFALL 011 CHRONIC TOXICITY



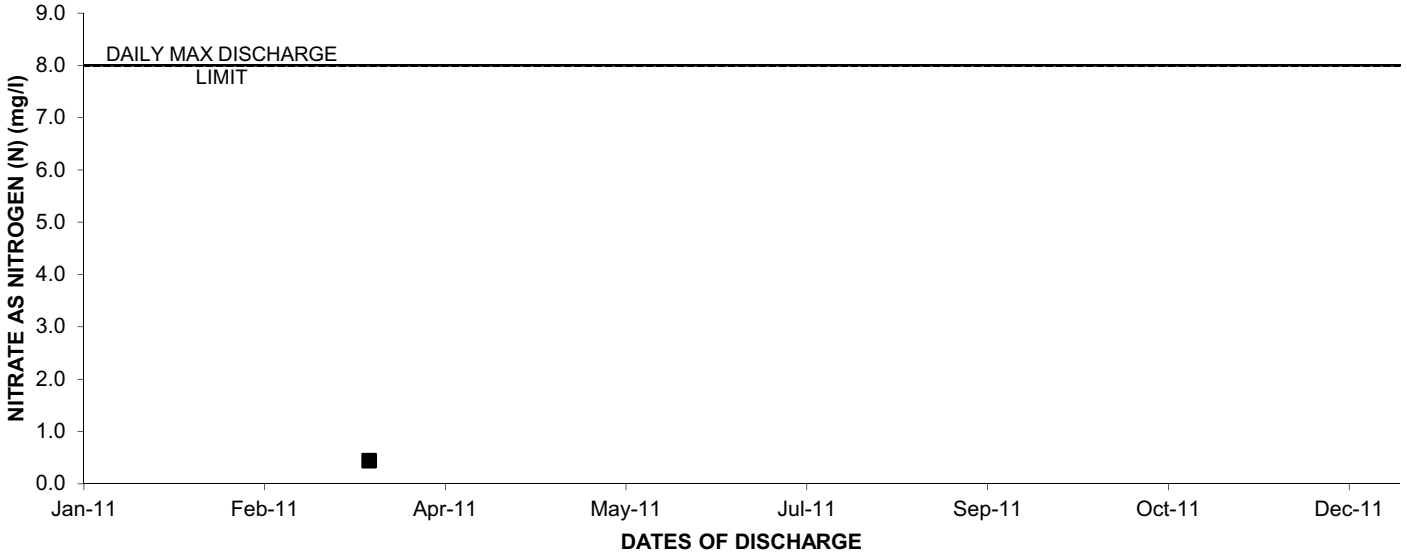
2011: OUTFALL 011 FLUORIDE



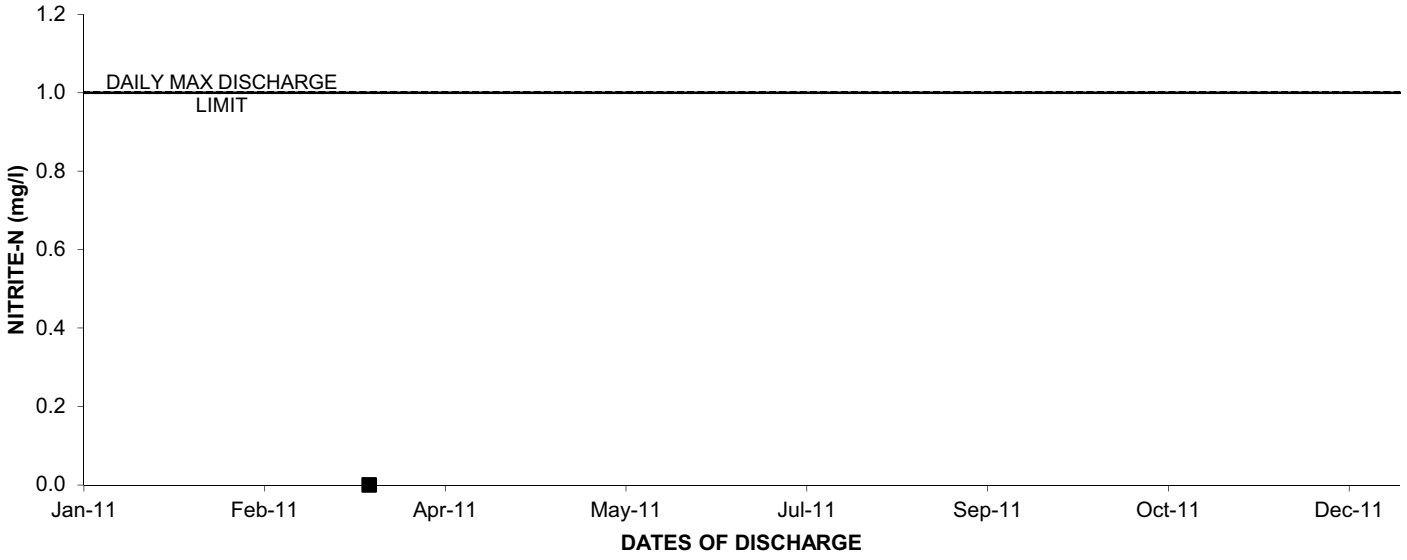
2011: OUTFALL 011 NITRATE + NITRITE AS NITROGEN (N)



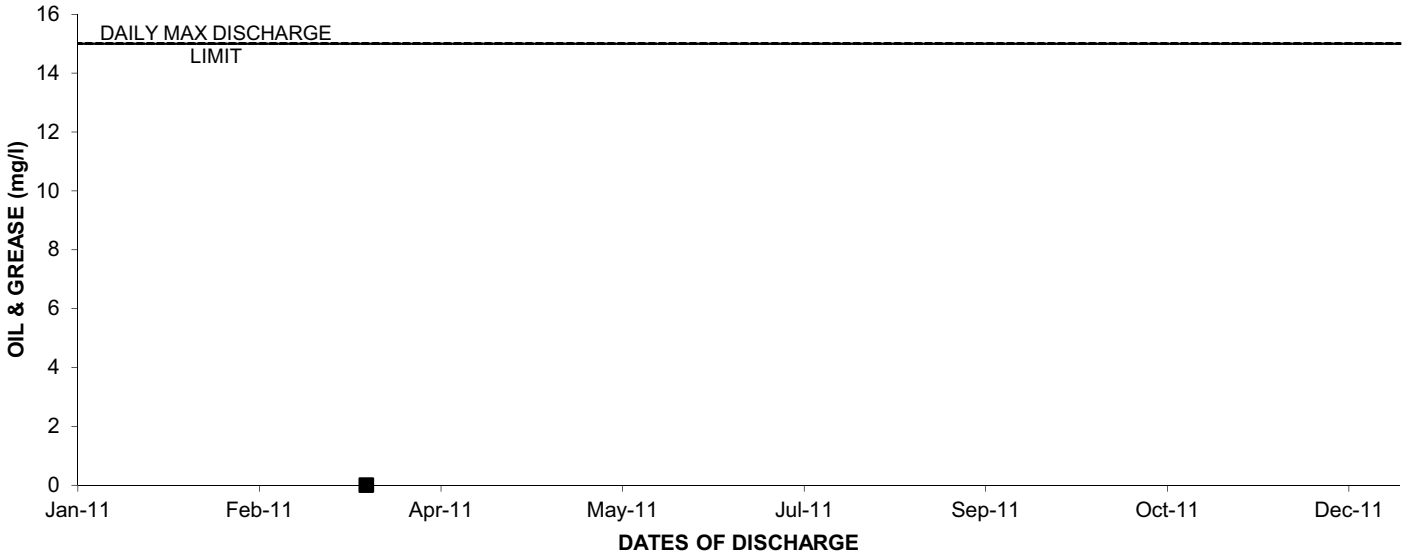
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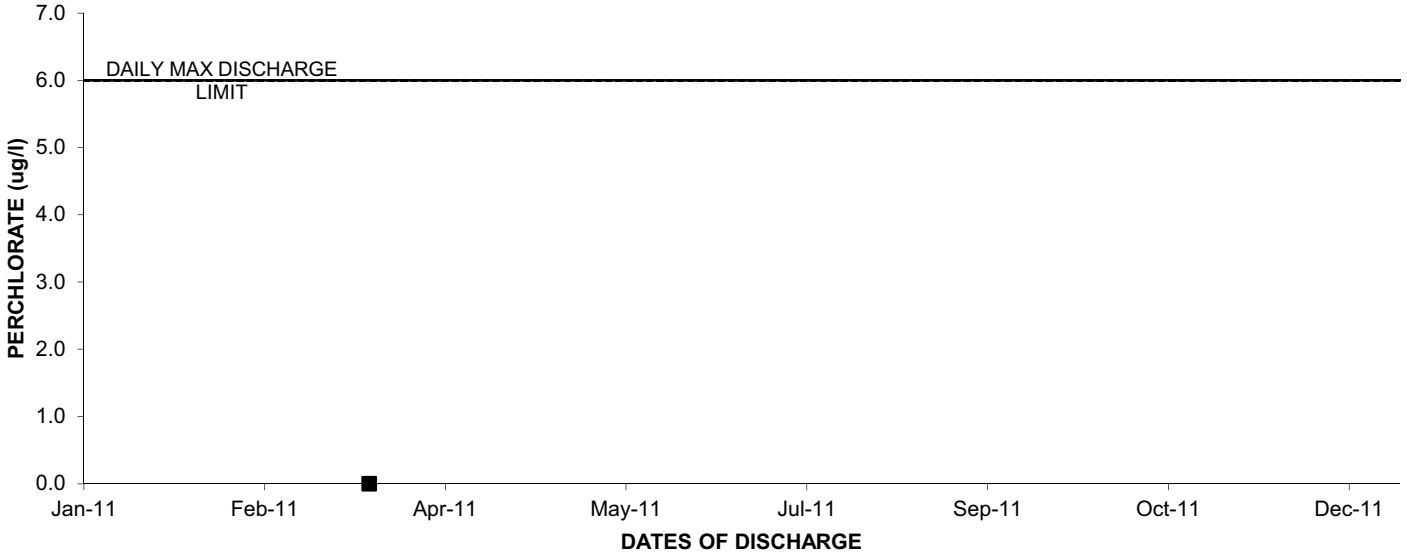
2011: OUTFALL 011 NITRITE-N



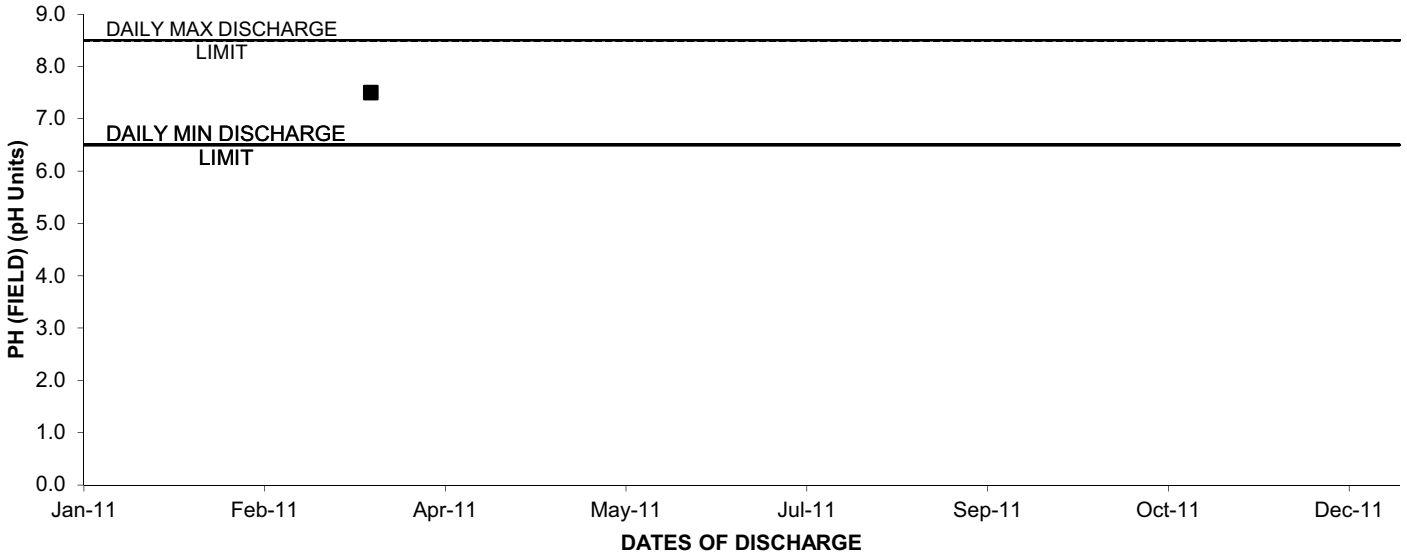
2011: OUTFALL 011 OIL & GREASE



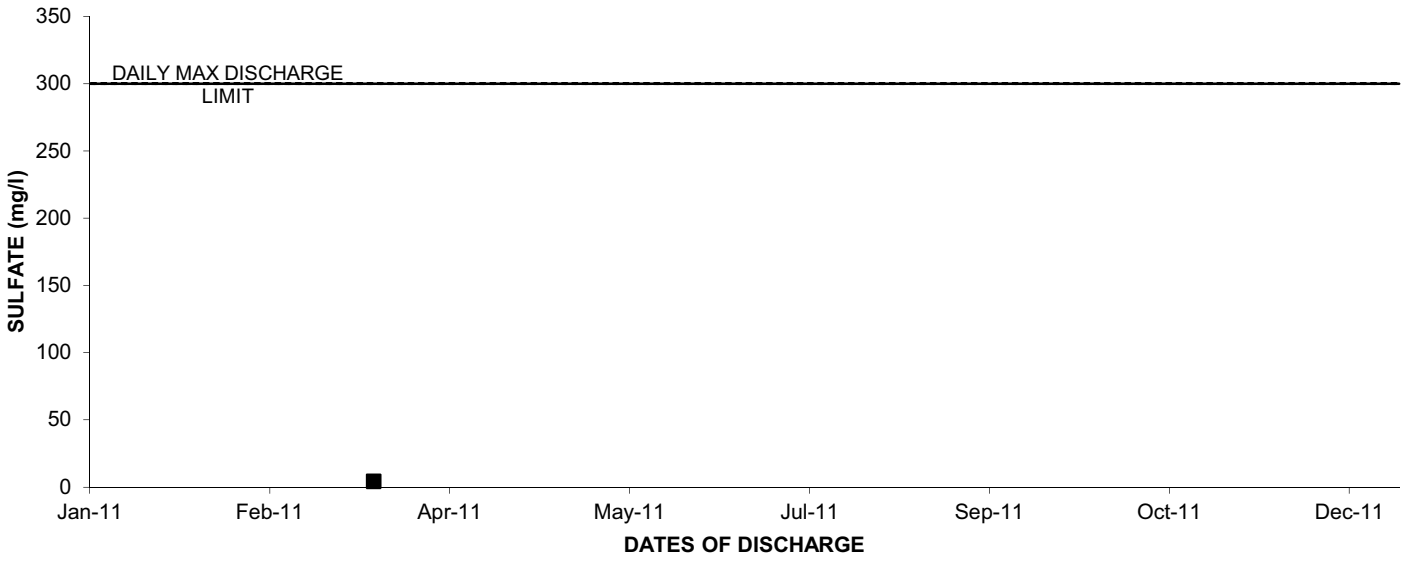
2011: OUTFALL 011 PERCHLORATE



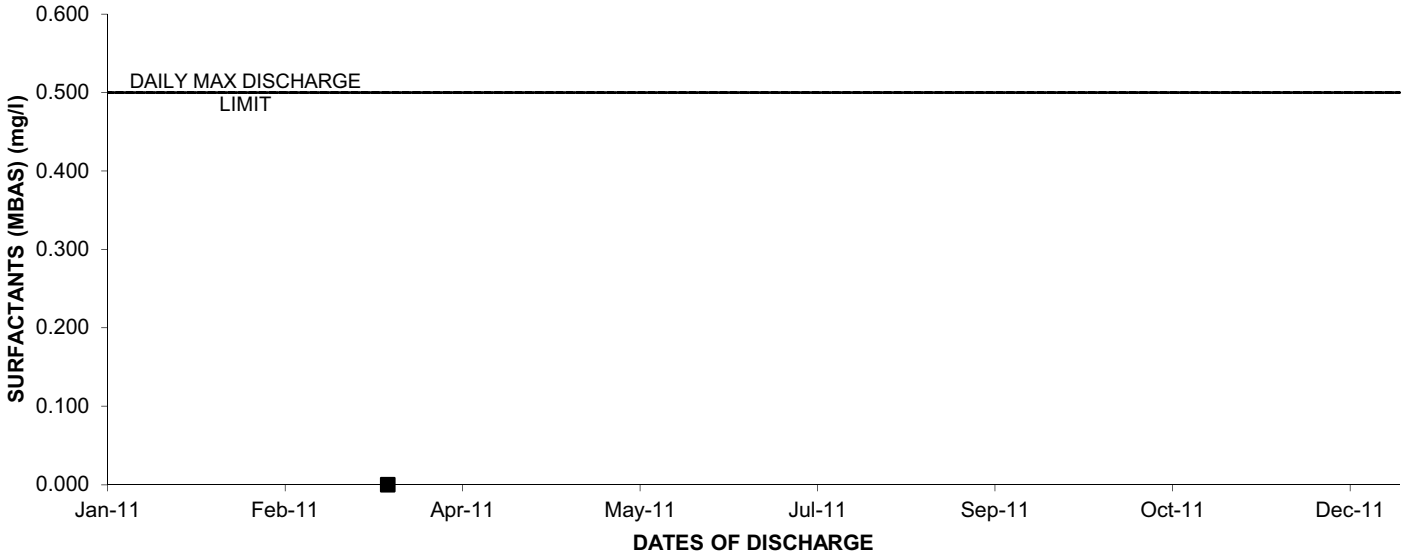
2011: OUTFALL 011 PH (FIELD)



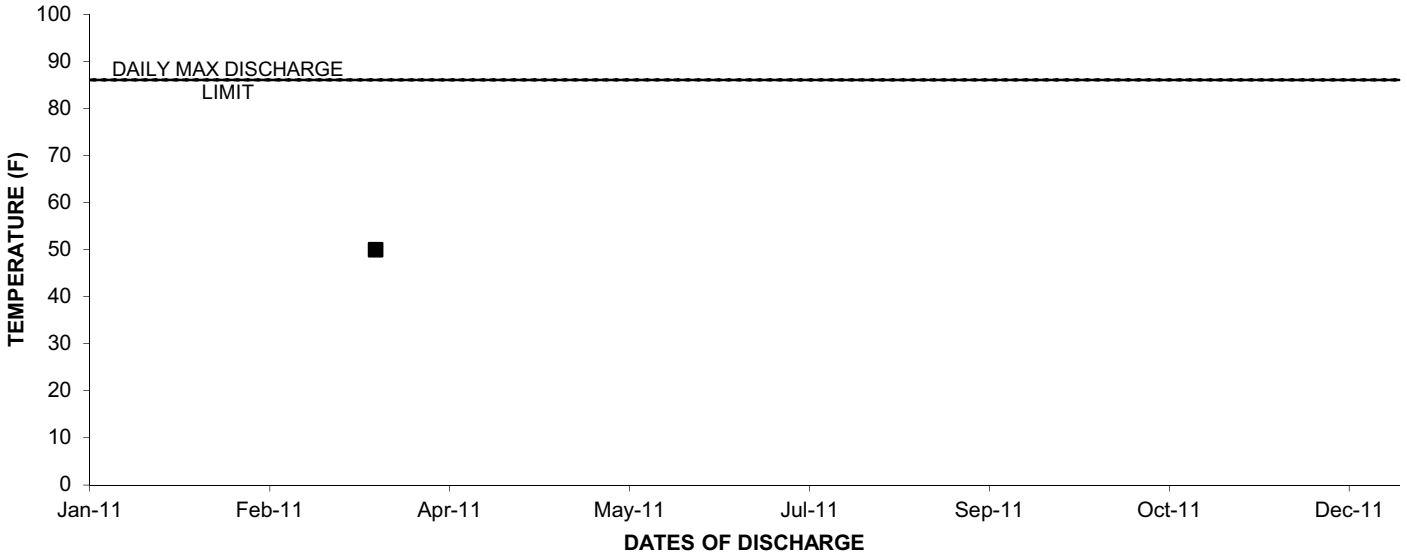
2011: OUTFALL 011 SULFATE



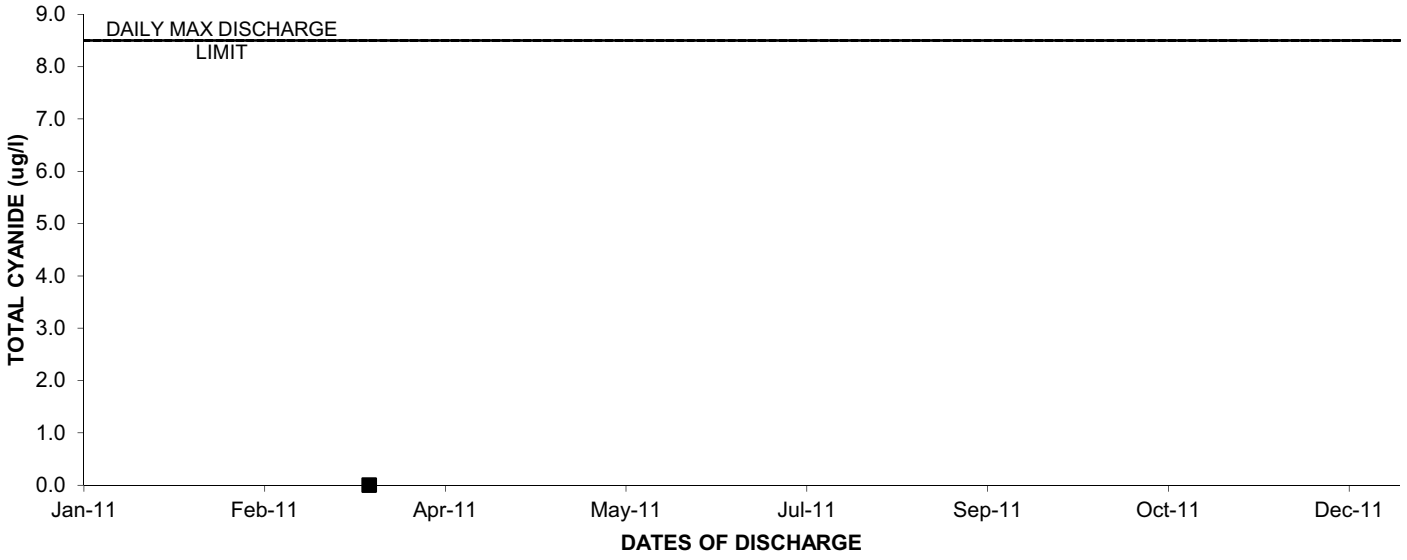
2011: OUTFALL 011 SURFACTANTS (MBAS)



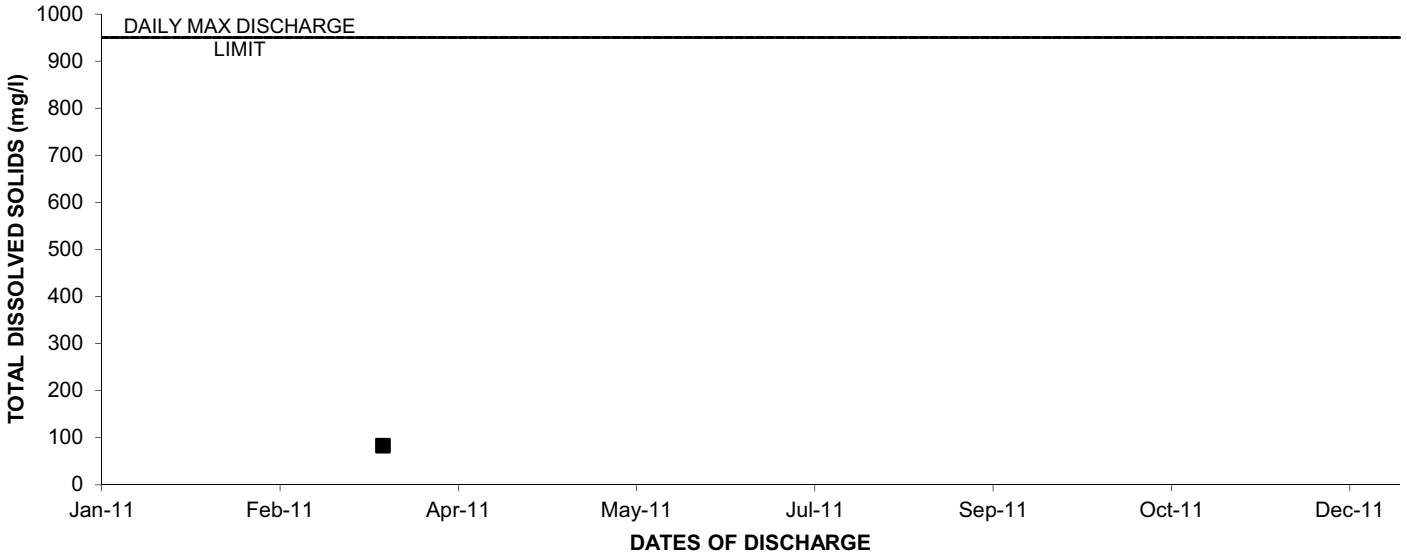
2011: OUTFALL 011 TEMPERATURE



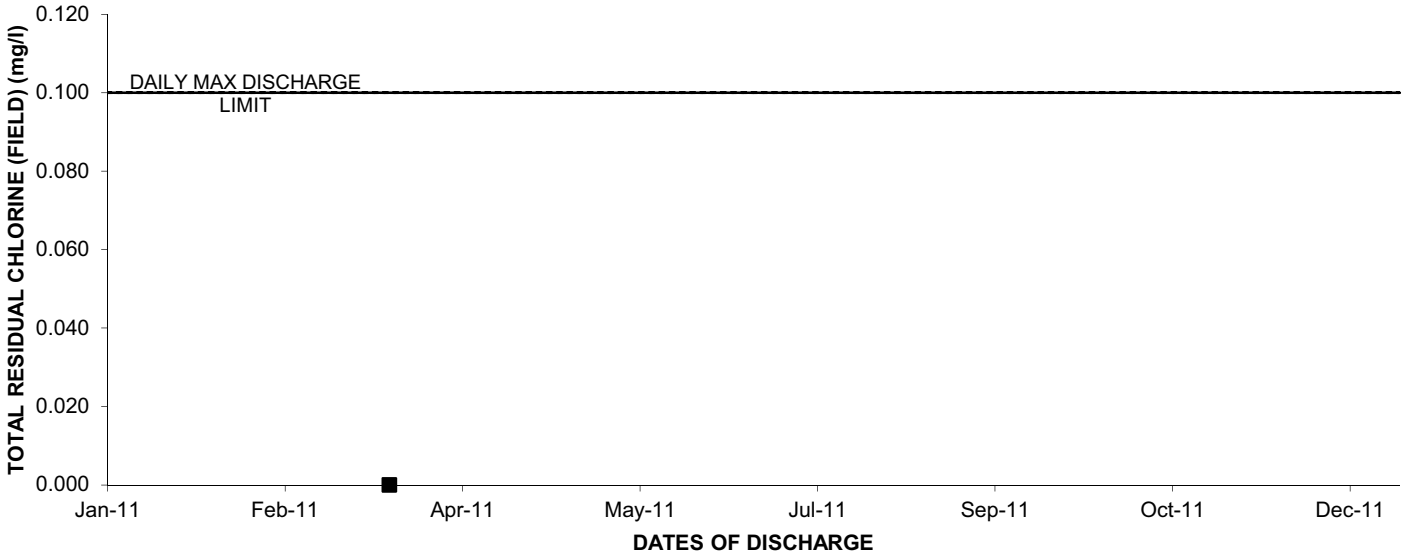
2011: OUTFALL 011 TOTAL CYANIDE



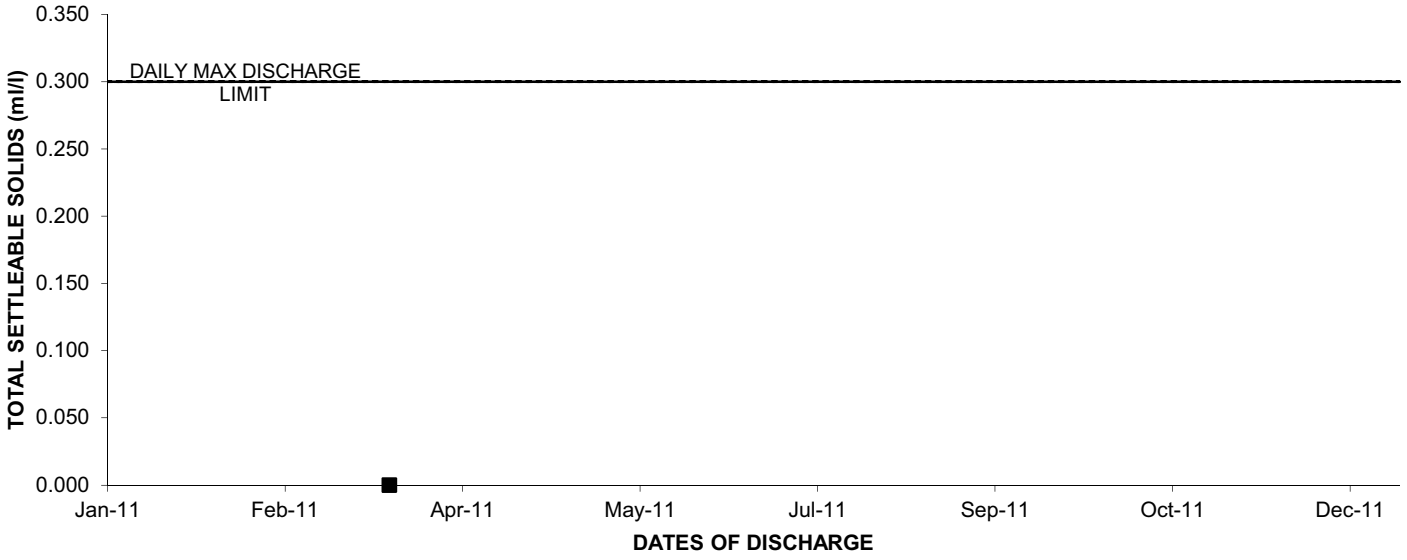
2011: OUTFALL 011 TOTAL DISSOLVED SOLIDS



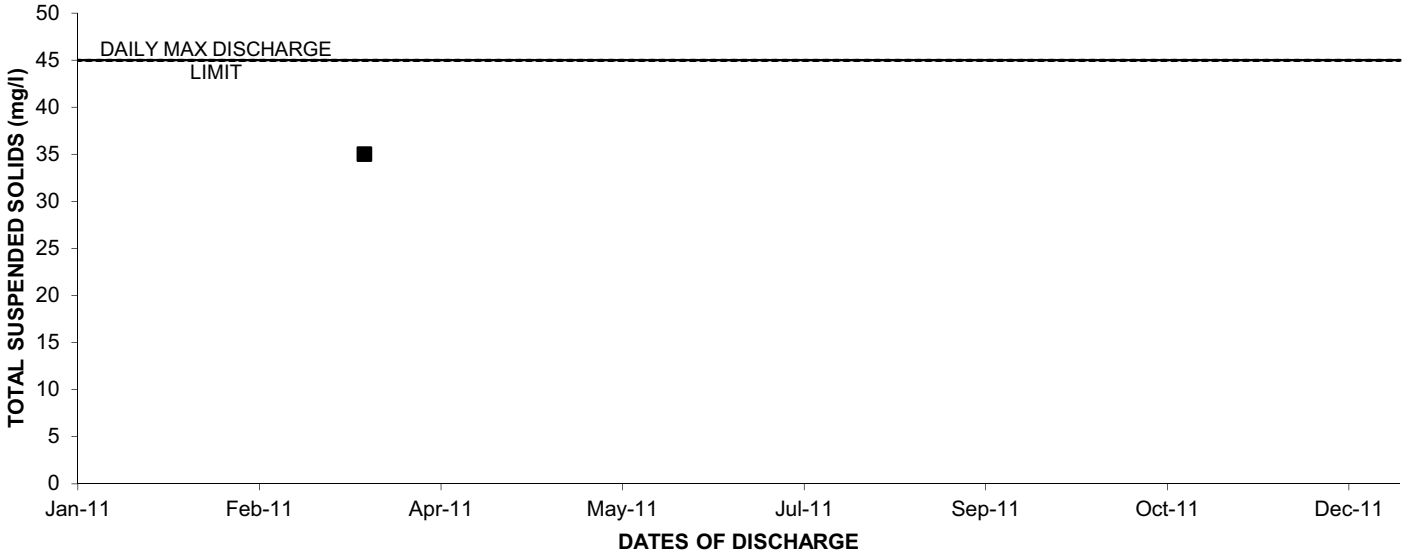
2011: OUTFALL 011 TOTAL RESIDUAL CHLORINE (FIELD)



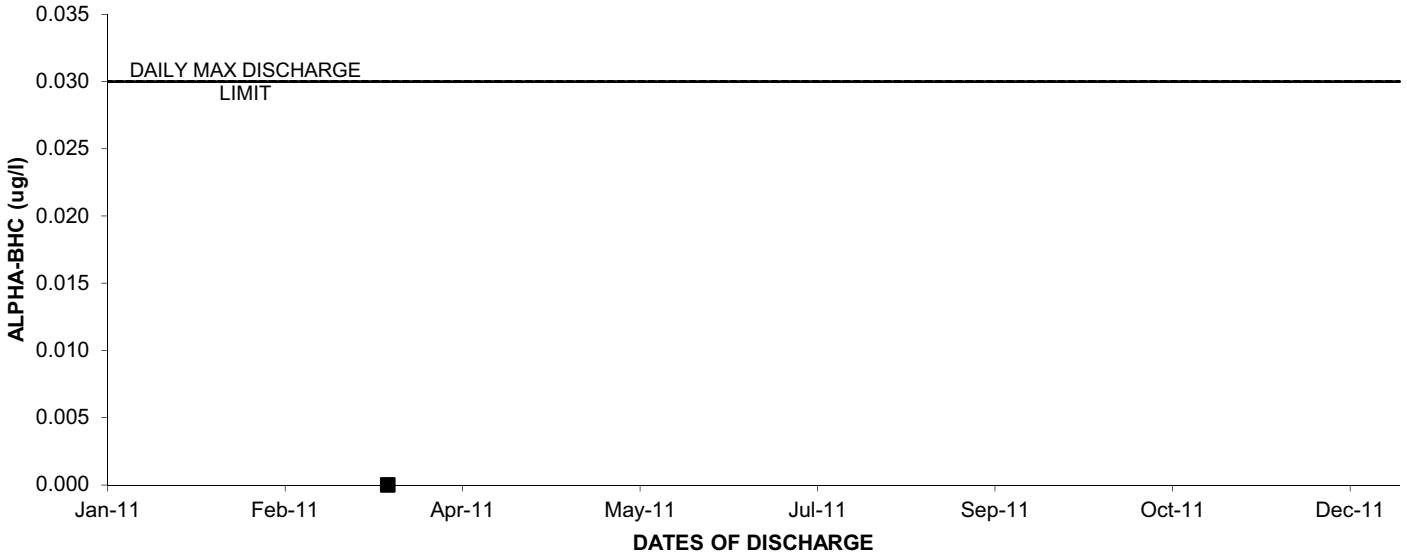
2011: OUTFALL 011 TOTAL SETTLEABLE SOLIDS



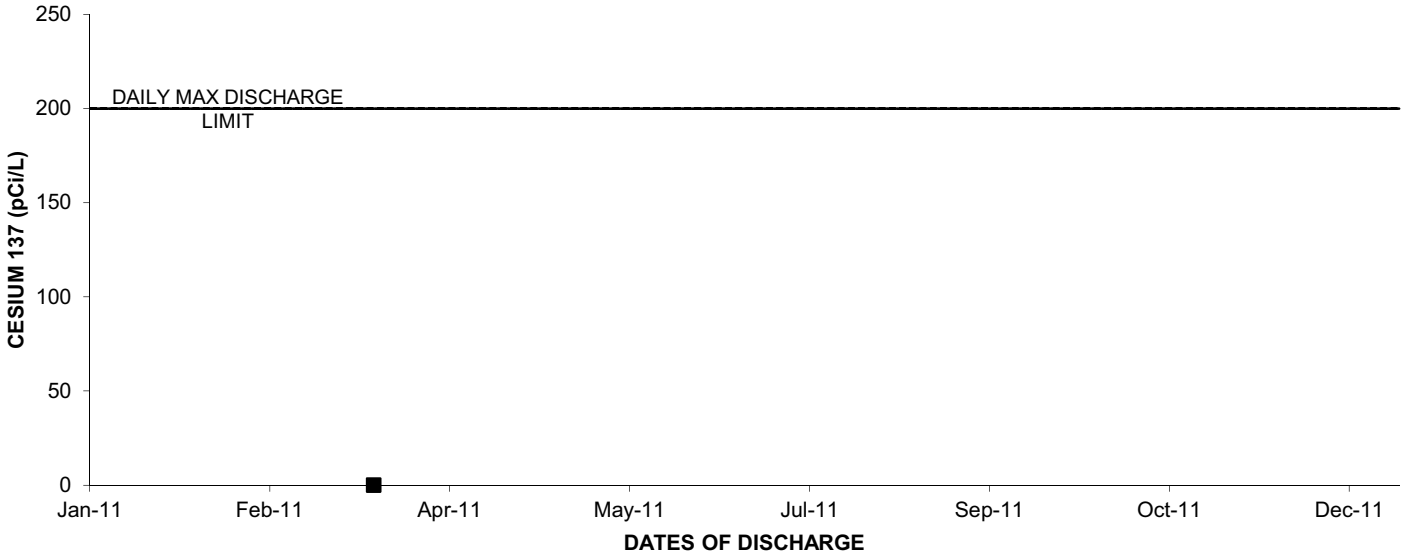
2011: OUTFALL 011 TOTAL SUSPENDED SOLIDS



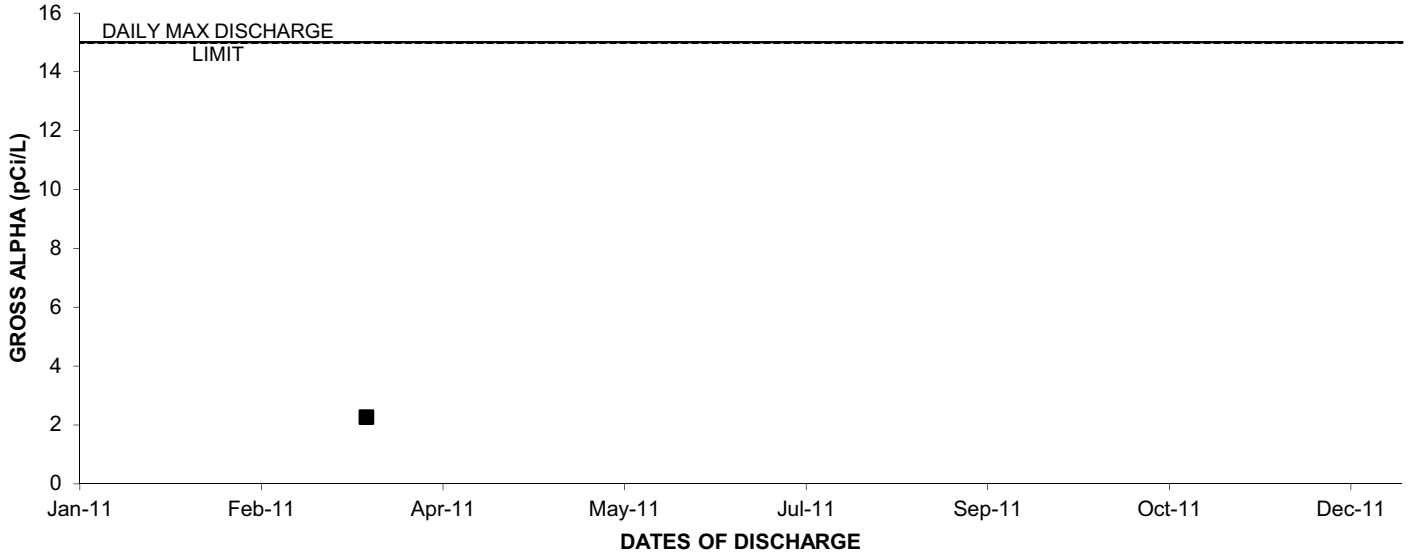
2011: OUTFALL 011 ALPHA-BHC



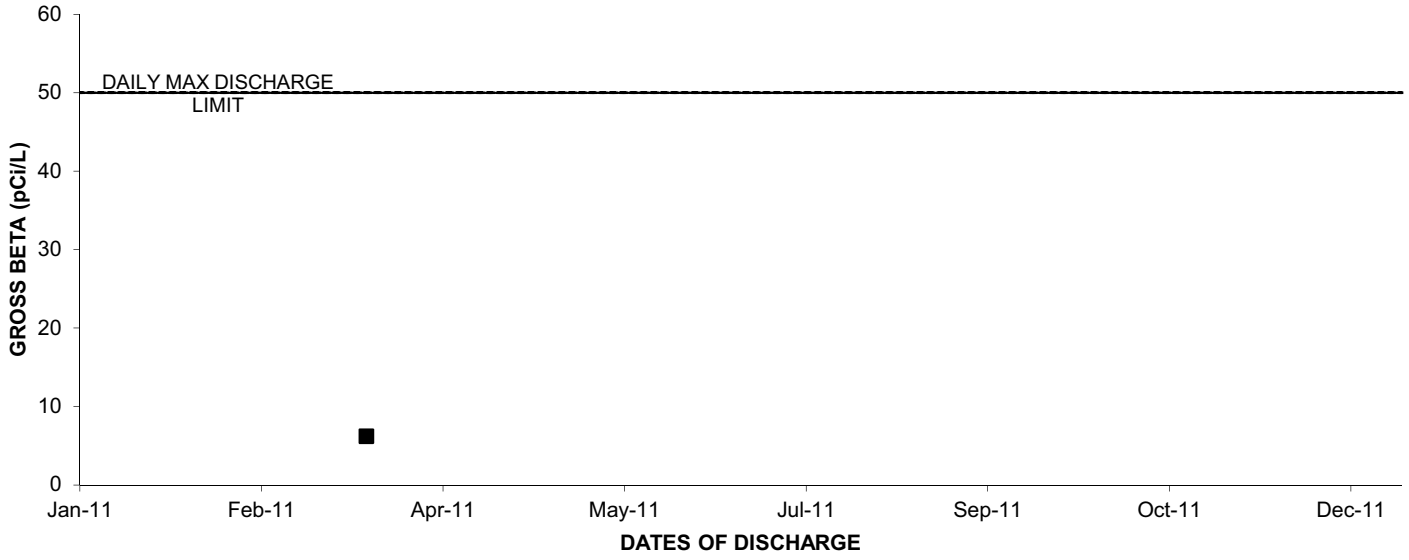
2011: OUTFALL 011 CESIUM 137



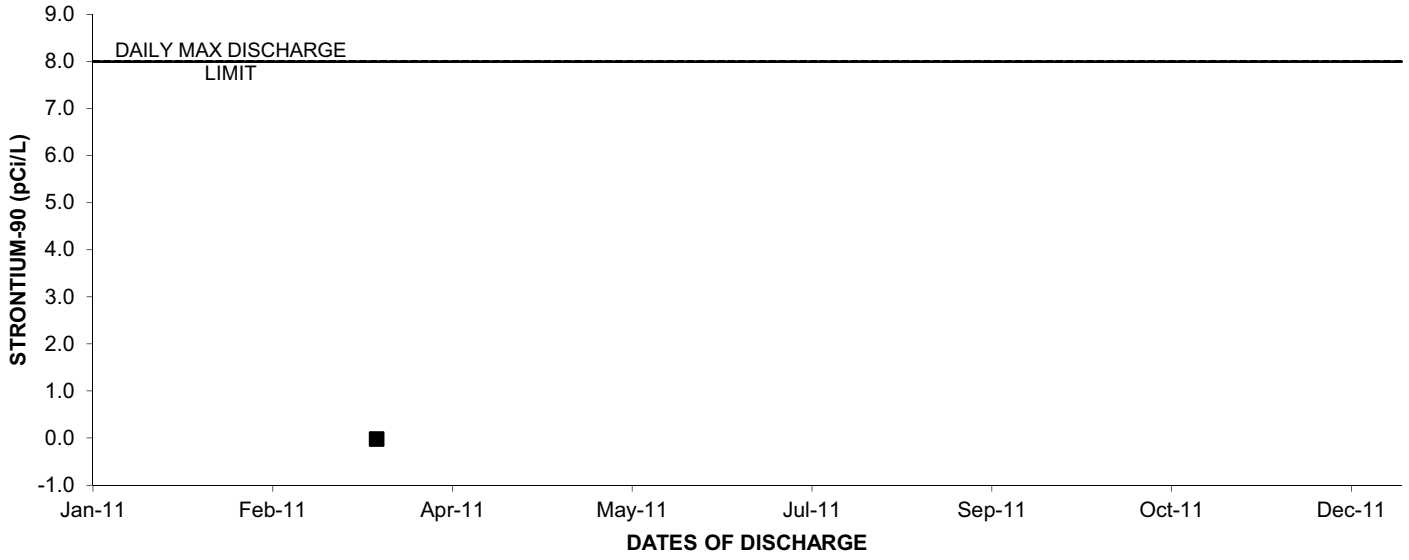
2011: OUTFALL 011 GROSS ALPHA



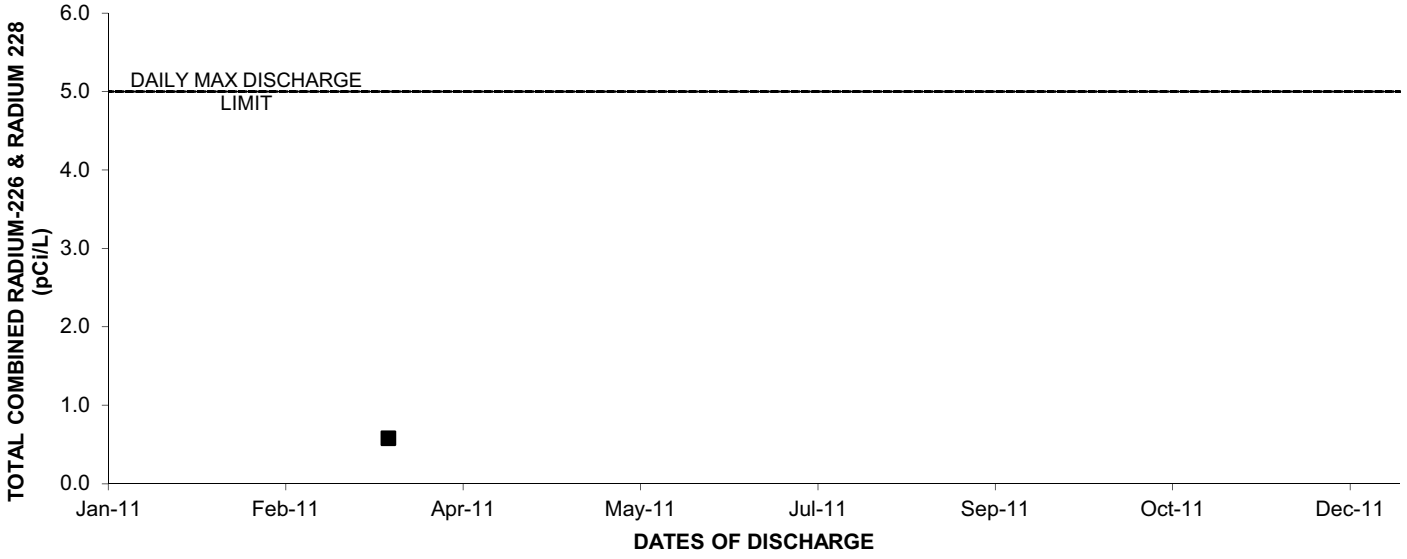
2011: OUTFALL 011 GROSS BETA



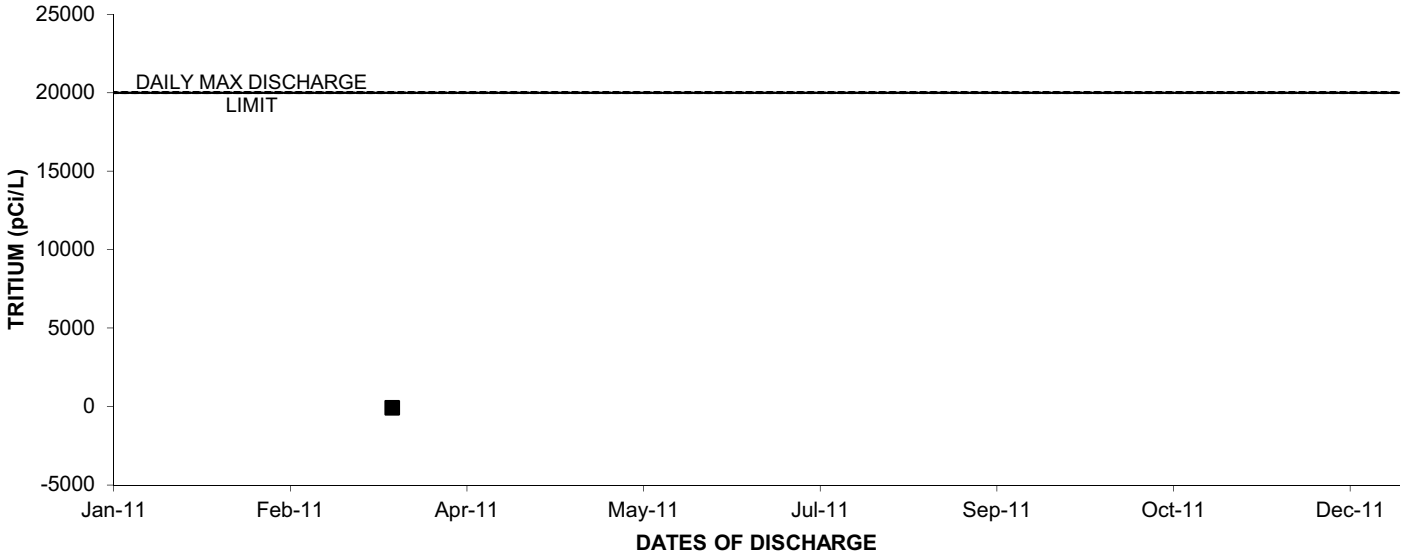
2011: OUTFALL 011 STRONTIUM-90



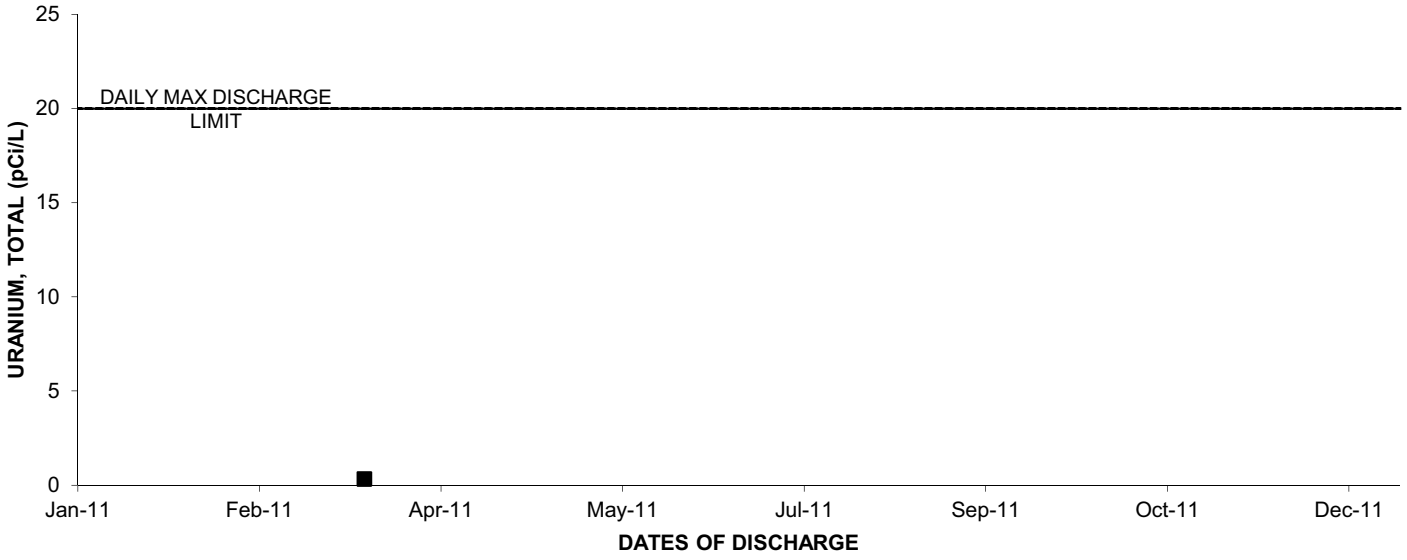
2011: OUTFALL 011 TOTAL COMBINED RADIUM-226 & RADIUM 228



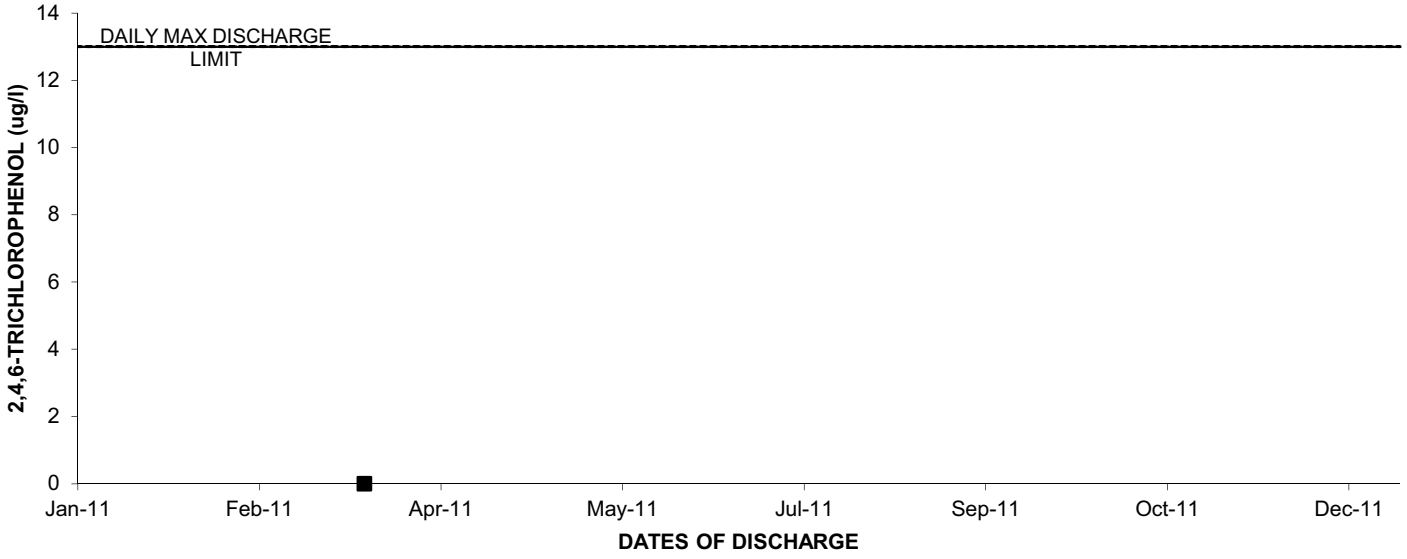
2011: OUTFALL 011 TRITIUM



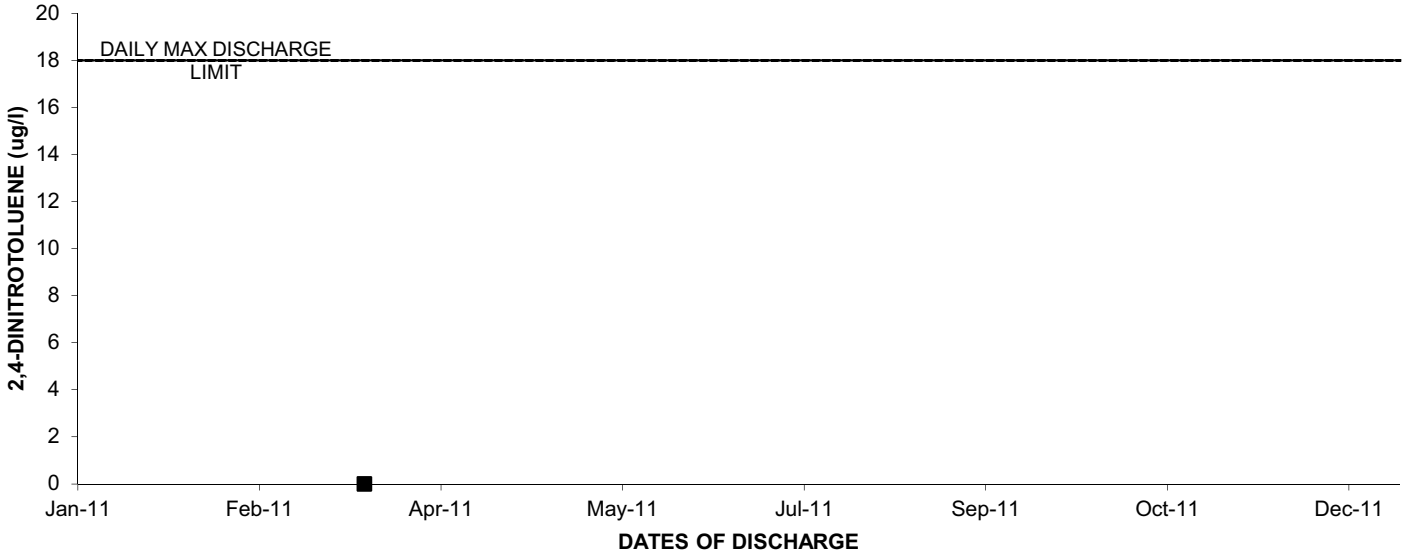
2011: OUTFALL 011 URANIUM, TOTAL



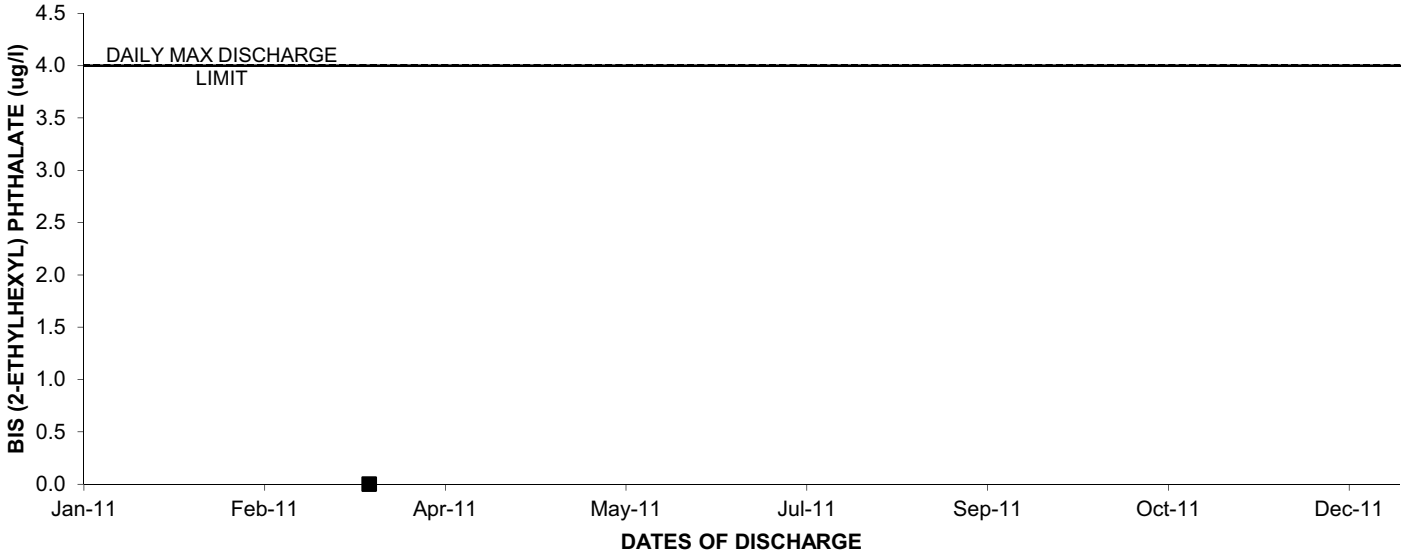
2011: OUTFALL 011 2,4,6-TRICHLOROPHENOL



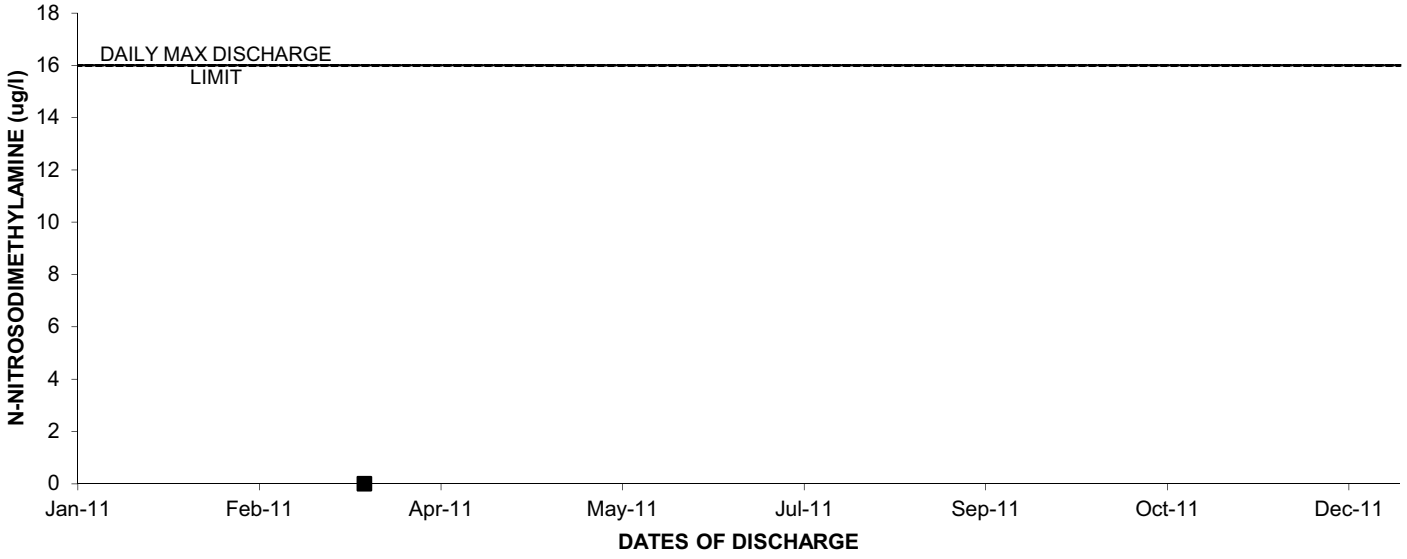
2011: OUTFALL 011 2,4-DINITROTOLUENE



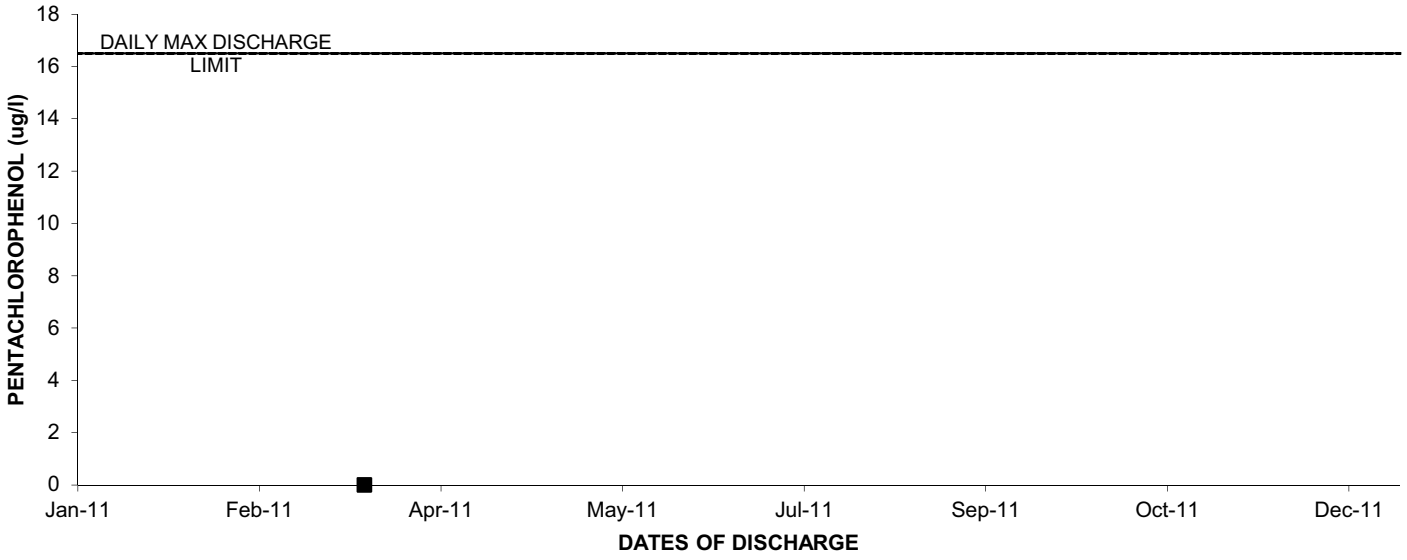
2011: OUTFALL 011 BIS (2-ETHYLHEXYL) PHTHALATE



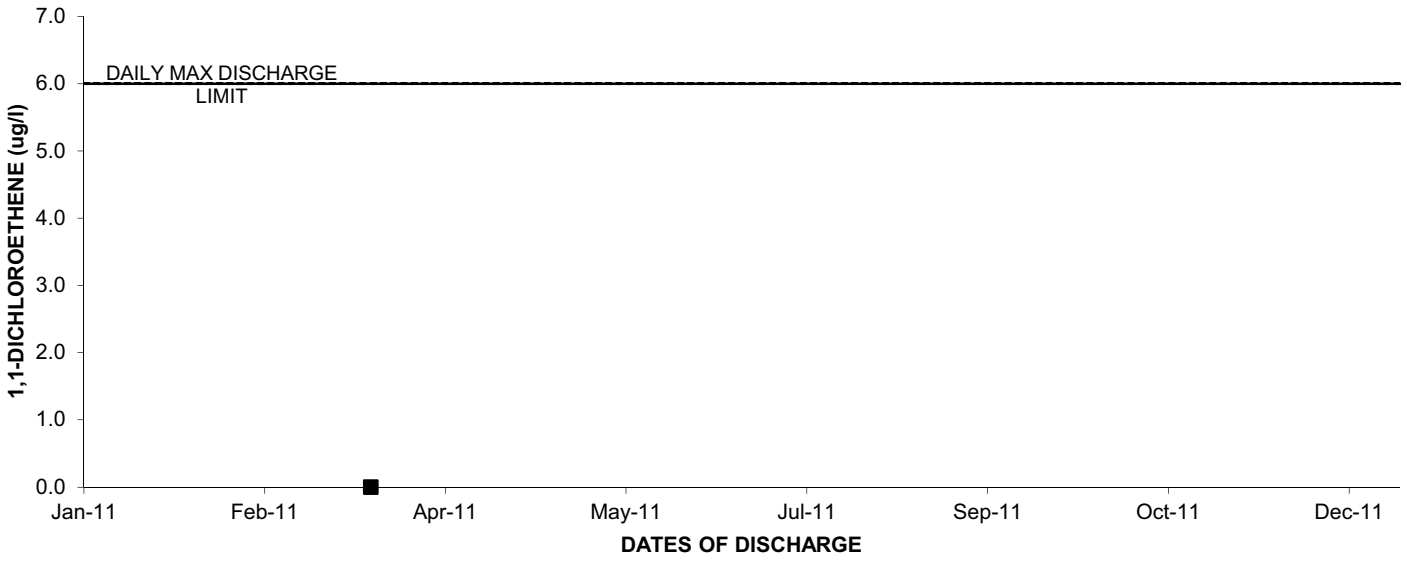
2011: OUTFALL 011 N-NITROSODIMETHYLAMINE



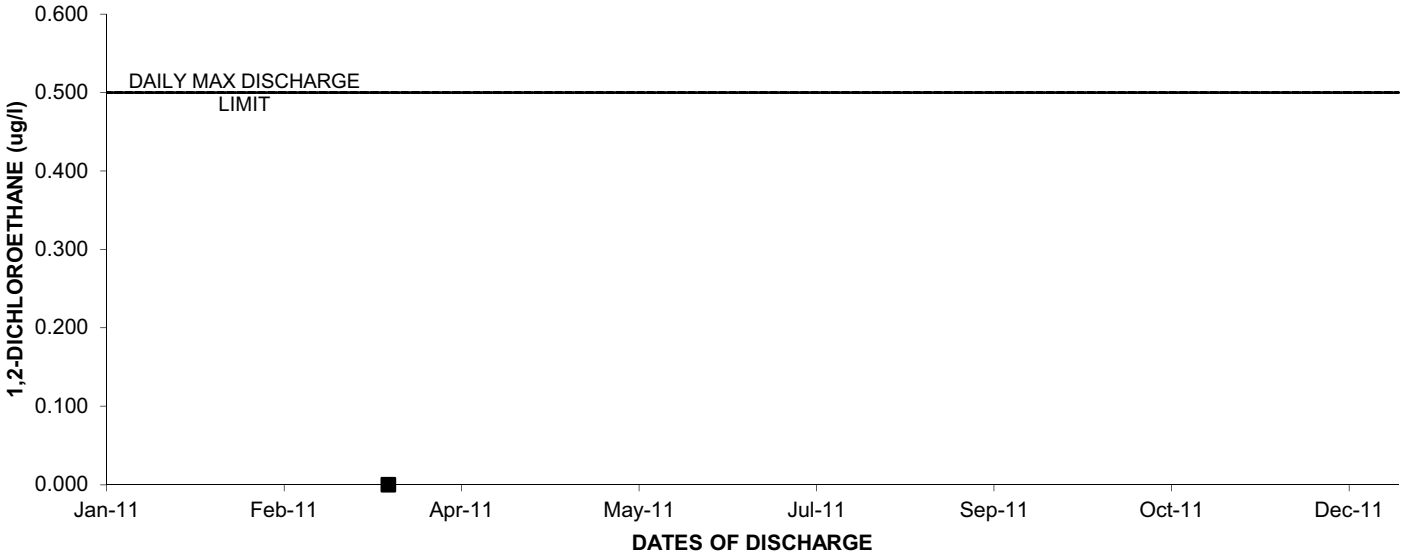
2011: OUTFALL 011 PENTACHLOROPHENOL



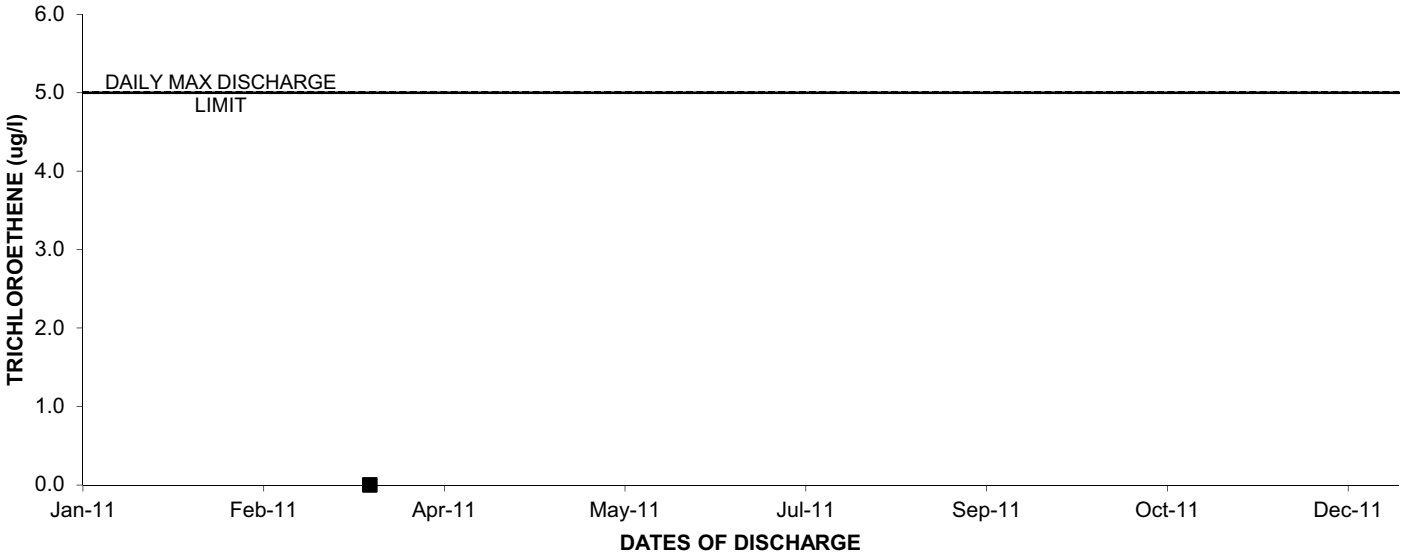
2011: OUTFALL 011 1,1-DICHLOROETHENE

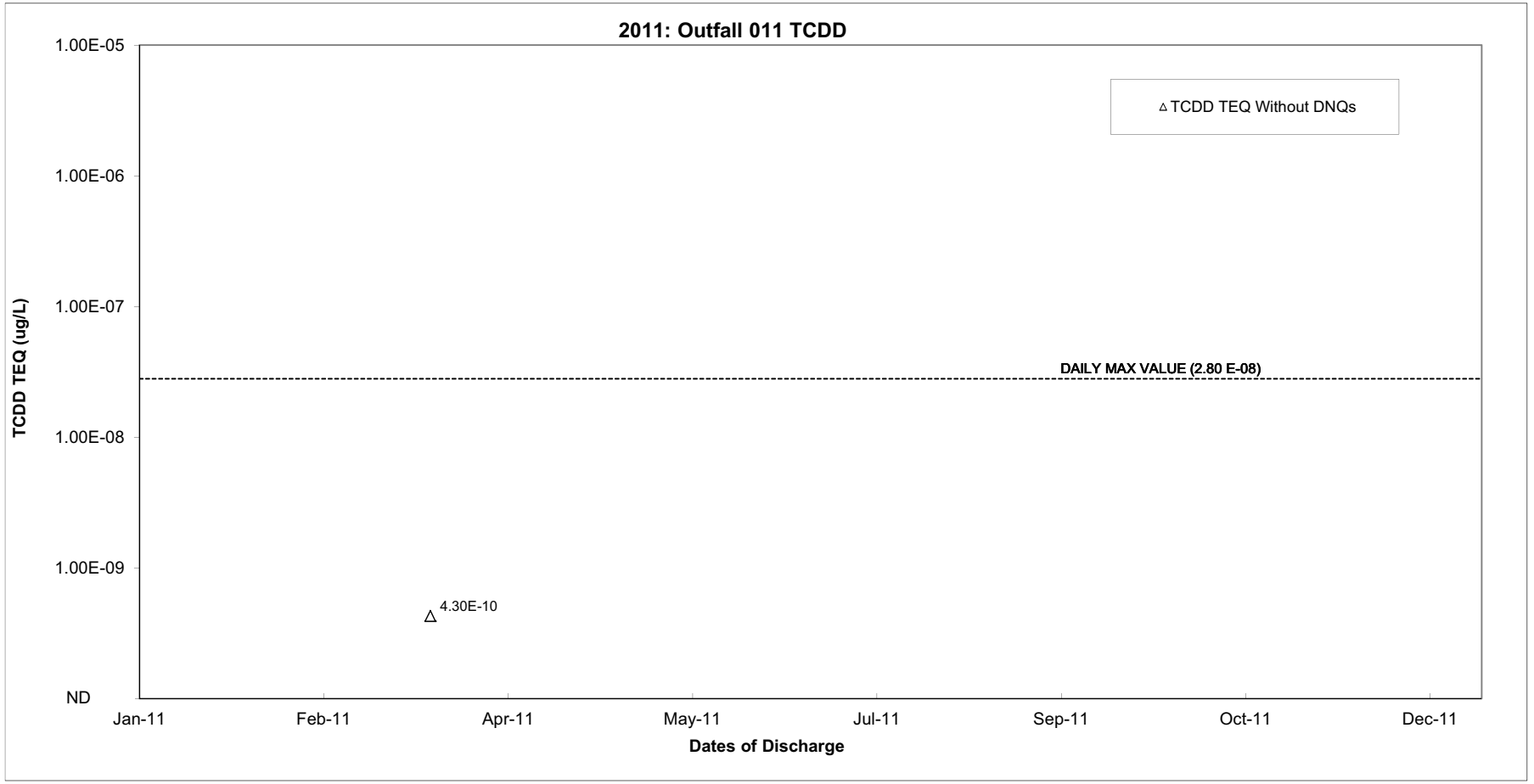


2011: OUTFALL 011 1,2-DICHLOROETHANE



2011: OUTFALL 011 TRICHLOROETHENE




2011: Outfall 011 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
△ TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
△ 4.30E-10
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 8

OUTFALL 018 (R-2 SPILLWAY)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.50	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.2	*	Comp	1.4	J* (DNQ)
Chloride	mg/L	150/-	Comp	11	*	Comp	11	*
Dissolved Oxygen	mg/L	-/-	Grab	8.30	*	Grab	8.41	*
E. Coli	MPN/100 ml	-/-	Grab	ND < 2.00	*	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	Grab	ND < 2.00	*	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	250	--	Grab	310	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.061	J* (DNQ)	Comp	0.068	J* (DNQ)
Fluoride	mg/L	1.6/-	Comp	0.19	*	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.37	*	Comp	0.15	J* (DNQ)
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.37	*	Comp	0.15	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.4	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/-	Grab	0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	64	*	Comp	48	*
Temperature	deg. F	86/-	Grab	55	*	Grab	48	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	220	*	Comp	220	*
Hardness	mg/L	-/-	Comp	110	--	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	110	--	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	10	--	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	ND < 1.0	*	Comp	8.0	J* (DNQ)
Turbidity	NTU	-/-	Comp	3.1	--	Comp	18	--
Volume Discharged	MGD	160/-	Meas	0.59796	*	Meas	0.68671	*
METALS								
Antimony	ug/L	6.0/-	Comp	0.33	J* (DNQ)	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	Comp	0.30	J* (DNQ)	ANR	ANR	ANR
Arsenic	ug/L	10/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Barium	mg/L	1.0/-	Comp	0.010	--	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	Comp	0.010	--	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U	ANR	ANR	ANR
Boron	mg/L	-/-	Comp	0.055	--	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	Comp	0.060	--	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	33	--	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	Comp	32	--	ANR	ANR	ANR
Chromium	ug/L	16/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Chromium VI	ug/L	16/-	Comp	ND < 0.25	*	ANR	ANR	ANR
Cobalt	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	1.71	J* (DNQ)	Comp	2.6	*
Copper, dissolved	ug/L	-/-	Comp	1.91	B, J* (DNQ)	Comp	1.2	J* (DNQ)
Iron	mg/L	0.3/-	Comp	0.073	--	Comp	0.74	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.026	J (DNQ)	Comp	0.060	--
Lead	ug/L	5.2/-	Comp	ND < 0.20	*	Comp	0.49	J* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	7.7	--	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	Comp	7.6	--	ANR	ANR	ANR
Manganese	ug/L	50/-	Comp	49	--	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U	ANR	ANR	ANR
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/-	Comp	2.3	J (DNQ)	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	Comp	2.0	J (DNQ)	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	Comp	ND < 0.10	*	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*	ANR	ANR	ANR
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*	ANR	ANR	ANR
Vanadium	ug/L	-/-	Comp	ND < 3.0	U	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U	ANR	ANR	ANR
Zinc	ug/L	119/-	Comp	6.72	J (DNQ)	Comp	6.36	J (DNQ, *III)
Zinc, Dissolved	ug/L	-/-	Comp	ND < 6.00	U	Comp	11.2	J (DNQ, *III)
ORGANICS								
Benzene	ug/L	-/-	Grab	ND < 0.28	*	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*	ANR	ANR	ANR
Chloroform	ug/L	-/-	Grab	ND < 0.33	*	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 2.0	U (B)	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
Toluene	ug/L	-/-	Grab	ND < 0.36	*	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
TPH								
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.10	U	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	Grab	0.036	J (DNQ)	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.100	UJ (C)	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.300	U	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.900	U	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.200	U	Comp	ND < 0.191	*
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 5.00	U	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.50	U	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Acrolein	ug/L	-/-	Grab	ND < 4.0	C*	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*	ANR	ANR	ANR
Aldrin	ug/L	-/-	Comp	ND < 0.0016	*	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0027	*	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
Benzidine	ug/L	-/-	Comp	ND < 5.00	U	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
beta-BHC	ug/L	-/-	Comp	ND < 0.0043	*	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.70	U	Comp	ND < 1.63	*
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
Bromoform	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011			02/26/2011-02/27/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 5.00	U (B)	ANR	ANR	ANR
Chlordane	ug/L	-/-	Comp	ND < 0.086	*	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*	ANR	ANR	ANR
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*	ANR	ANR	ANR
Chrysene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	*	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
delta-BHC	ug/L	-/-	Comp	ND < 0.0038	*	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*	ANR	ANR	ANR
Dieldrin	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	Comp	0.200	J (DNQ)	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Endrin	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0022	*	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Fluorene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Heptachlor	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0027	L*	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	Comp	ND < 0.200	U	ANR	ANR	ANR
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Isophorone	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0032	*	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U	ANR	ANR	ANR
Naphthalene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.100	U	Comp	ND < 0.0957	*
Phenanthrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Phenol	ug/L	-/-	Comp	ND < 0.300	U	ANR	ANR	ANR
Pyrene	ug/L	-/-	Comp	ND < 0.100	U	ANR	ANR	ANR
Toxaphene	ug/L	-/-	Comp	ND < 0.27	*	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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OUTFALL 018 (R-2 Spillway)

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NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Ammonia as Nitrogen (N)	mg/L	10.1/-	Comp	ND < 0.500	*	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/-	Comp	2.8	*	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	9.7	*	Comp	42	*
Dissolved Oxygen	mg/L	-/-	Grab	8.38	*	Grab	4.98	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	280	--	Grab	570	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*	Comp	0.057	Ja* (DNQ)
Fluoride	mg/L	1.6/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	0.58	*	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.58	*	Comp	0.089	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/-	Grab	ND < 1.3	*	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*	Grab	6.8	*
Total Settleable Solids	ml/L	0.3/-	Grab	ND < 0.10	*	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	40	*	Comp	140	*
Temperature	deg. F	86/-	Grab	49	*	Grab	77	*
Total Cyanide	ug/L	8.5/-	Comp	ND < 2.2	*	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	190	*	Comp	400	*
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/-	Comp	17	*	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	30	--	Comp	0.090	J (DNQ)
Volume Discharged	MGD	160/-	Meas	1.15245	*	Meas	1.701645	*
METALS								
Antimony	ug/L	6.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cadmium	ug/L	(4.0) 3.1/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chromium VI	ug/L	16/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Copper	ug/L	14/-	Comp	2.7	*	Comp	0.665	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	1.6	Ja*	Comp	1.08	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	1.1	--	Comp	ND < 0.015	*

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			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Iron, dissolved	mg/L	-/-	Comp	0.061	--	Comp	0.038	Ja* (DNQ)
Lead	ug/L	5.2/-	Comp	0.72	Ja*	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Mercury	ug/L	0.10/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U	Comp	ND < 0.10	U
Nickel	ug/L	96/-	ANR	ANR	ANR	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*	Comp	ND < 0.50	*
Silver	ug/L	4.1/-	ANR	ANR	ANR	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Zinc	ug/L	119/-	Comp	15.5	J (DNQ)	Comp	ND < 6.00	*
Zinc, Dissolved	ug/L	-/-	Comp	ND < 20.0	U (B)	Comp	ND < 6.00	*
ORGANICS								
Benzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	0.5/-	Grab	ND < 0.28	*	Grab	ND < 0.28	*
1,1-Dichloroethene	ug/L	6.0/-	Grab	ND < 0.42	*	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.32	*
Toluene	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR	Grab	ND < 0.40	*
TPH								
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
ADDITIONAL ANALYTES								
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/-	Comp	ND < 0.189	*	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/-	Comp	ND < 0.0024	C*	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011			07/19/2011-07/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/-	Comp	ND < 0.0943	*	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 17-18, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	7.00E-07	5.70E-05	4.30E-06	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.10E-07	5.70E-05	2.50E-06	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	7.90E-07	5.70E-05	ND	UJ (*III)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	7.20E-07	5.70E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.60E-07	5.70E-05	ND	UJ (*III)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	6.70E-07	5.70E-05	1.10E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.40E-07	5.70E-05	ND	UJ (*III)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	6.10E-07	5.70E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	2.90E-07	5.70E-05	ND	UJ (*III)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	6.50E-07	5.70E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	7.70E-07	5.70E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.30E-07	5.70E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.80E-07	5.70E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.20E-07	1.10E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	9.60E-07	1.10E-05	ND	U		0.1	0.8	**ND**
OCDD	1.20E-06	1.10E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	1.00E-06	1.10E-04	5.00E-06	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date February 26-27, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	2.60E-06	5.00E-05	2.00E-05	J (DNQ)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.30E-06	5.00E-05	4.20E-06	J (DNQ)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.50E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	3.20E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	2.90E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	2.80E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	2.70E-06	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	2.50E-06	5.00E-05	ND	U		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	4.00E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	7.00E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	7.60E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	2.60E-06	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.70E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	7.00E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.30E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	1.10E-05	1.00E-04	2.30E-04	--		0.0001	0.01	**2.30E-10**
OCDF	4.30E-06	1.00E-04	9.80E-06	J (DNQ)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**2.30E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Type Composite
Sample Date March 20, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	4.30E-06	5.00E-05	ND	UJ (*III)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	2.00E-06	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	3.10E-06	5.00E-05	ND	U		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	1.30E-06	5.00E-05	ND	U		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	1.10E-06	5.00E-05	ND	U		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	1.70E-06	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	9.70E-07	5.00E-05	ND	U		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	1.50E-06	5.00E-05	2.90E-06	J (DNQ)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	1.30E-06	5.00E-05	ND	U		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.20E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	1.30E-06	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	9.50E-07	5.00E-05	ND	U		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	1.30E-06	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	1.20E-06	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	1.40E-06	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	8.20E-06	1.00E-04	6.00E-04	--		0.0001	0.01	**6.00E-10**
OCDF	4.10E-06	1.00E-04	ND	UJ (*III)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**6.00E-10**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 018

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Sample Date July 19-20, 2011

ANALYTE	LAB LOD (ug/L)	LAB RL (ug/L)	LAB RESULT (ug/L)	VALIDATION QUALIFIER		1998 WHO TEF	BEF Great Lakes Water Quality Initiative	TCDD Equivalent (w/out DNQ Values) (ug/L)
1,2,3,4,6,7,8-HpCDD	7.80E-07	5.00E-05	ND	U (B)		0.01	0.05	**ND**
1,2,3,4,6,7,8-HpCDF	6.20E-07	5.00E-05	ND	UJ (*III)		0.01	0.01	**ND**
1,2,3,4,7,8,9-HpCDF	8.20E-07	5.00E-05	1.90E-06	J (DNQ)		0.01	0.4	**ND**
1,2,3,4,7,8-HxCDD	9.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.3	**ND**
1,2,3,4,7,8-HxCDF	5.00E-07	5.00E-05	1.70E-06	J (DNQ)		0.1	0.08	**ND**
1,2,3,6,7,8-HxCDD	8.50E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,6,7,8-HxCDF	5.20E-07	5.00E-05	2.00E-06	J (DNQ)		0.1	0.2	**ND**
1,2,3,7,8,9-HxCDD	8.70E-07	5.00E-05	ND	UJ (*III)		0.1	0.1	**ND**
1,2,3,7,8,9-HxCDF	5.20E-07	5.00E-05	1.60E-06	J (DNQ)		0.1	0.6	**ND**
1,2,3,7,8-PeCDD	1.50E-06	5.00E-05	ND	U		1	0.9	**ND**
1,2,3,7,8-PeCDF	6.40E-07	5.00E-05	ND	U		0.05	0.2	**ND**
2,3,4,6,7,8-HxCDF	4.40E-07	5.00E-05	ND	UJ (*III)		0.1	0.7	**ND**
2,3,4,7,8-PeCDF	7.00E-07	5.00E-05	ND	U		0.5	1.6	**ND**
2,3,7,8-TCDD	8.40E-07	1.00E-05	ND	U		1	1	**ND**
2,3,7,8-TCDF	6.90E-07	1.00E-05	ND	U		0.1	0.8	**ND**
OCDD	7.10E-07	1.00E-04	ND	U (B)		0.0001	0.01	**ND**
OCDF	8.20E-07	1.00E-04	ND	U (B)		0.0001	0.02	**ND**

TCDD TEQ w/out DNQ Values	**ND**

TCDD TEQ PERMIT LIMIT = 2.80E-08

See attached notes for abbreviations, definitions, and other explanations for the data presented in this table.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/18/2011 (Comp)			02/27/2011 (Comp)			03/20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY											
Gross Alpha	pCi/L	15/-	0.49 ± 0.30	0.367	J (C, E, DNQ)	0.345 ± 0.34	0.516	UJ (C)	1.08 ± 0.40	0.364	J (C, DNQ)
Gross Beta	pCi/L	50/-	3.7 ± 0.71	1.01	J (DNQ)	3.1 ± 0.70	1.02	J (DNQ)	4.79 ± 0.68	0.886	--
Strontium-90	pCi/L	8.0/-	-0.162 ± 0.29	0.728	U	-0.256 ± 0.37	0.999	U	-0.103 ± 0.28	0.723	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	-0.16 ± 0.38	1.08	U	0.66 ± 0.42	0.99	U	0.67 ± 0.63	1.21	U
Tritium	pCi/L	20000/-	-33.1 ± 130	218	U	-78.4 ± 99	170	U	-42 ± 98	168	U
Uranium, Total	pCi/L	20/-	0.104 ± 0.015	0.02	J (DNQ)	0.322 ± 0.037	0.022	J (DNQ)	0.267 ± 0.032	0.02	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 29.1	29.1	U	ND < 24.3	24.3	U	ND < 24.7	24.7	U
Cesium 137	pCi/L	200/-	ND < 1.25	1.25	U	ND < 1.69	1.69	U	ND < 1.7	1.7	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			07/19-20/2011 (Comp)		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**RESULT**	**MDA**	**VALIDATION QUALIFIER**
RADIOACTIVITY					
Gross Alpha	pCi/L	15/-	0.276 ± 0.72	1.18	UJ (C)
Gross Beta	pCi/L	50/-	5.2 ± 0.80	1.06	--
Strontium-90	pCi/L	8.0/-	0.316 ± 0.44	0.873	U
Total Combined Radium-226 & Radium 228	pCi/L	5.0/-	0.06 ± 0.35	1.02	U
Tritium	pCi/L	20000/-	12.1 ± 83	141	U
Uranium, Total	pCi/L	20/-	0.025 ± 0.011	0.023	J (DNQ)
Potassium-40	pCi/L	-/-	ND < 66.2	66.2	U
Cesium 137	pCi/L	200/-	ND < 2.06	2.06	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/17/2011-02/18/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.444195	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	8.15	*
Chloride	LBS/DAY	200,160/-	Comp	40.75	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.23	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	Comp	0.70	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.37	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	1.37	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	237.09	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	815.01	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Antimony	LBS/DAY	8.0/-	Comp	0.0012	J* (DNQ)
Arsenic	LBS/DAY	67/-	Comp	ND	U
Barium	LBS/DAY	1,330/-	Comp	0.04	--
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	Comp	ND	U
Copper	LBS/DAY	19/-	Comp	0.01	J* (DNQ)
Iron	LBS/DAY	400/-	Comp	0.27	--
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	Comp	0.18	--
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	Comp	0.01	J (DNQ)
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/-	Comp	0.02	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			02/26/2011-02/27/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.423225	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	4.94	J* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	38.83	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.24	J* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.53	J* (DNQ)
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.53	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	169.43	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	776.53	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	28.24	J* (DNQ)
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.01	*
Iron	LBS/DAY	400/-	Comp	2.61	--
Lead	LBS/DAY	6.9/-	Comp	0.002	J* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	0.02	J (DNQ, *III)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	8.12E-13	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/20/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.15245	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	26.91	*
Chloride	LBS/DAY	200,160/-	Comp	93.23	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	5.57	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	5.57	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	384.46	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1826.17	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	163.39	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.03	*
Iron	LBS/DAY	400/-	Comp	10.57	--
Lead	LBS/DAY	6.9/-	Comp	0.01	Ja*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	0.15	J (DNQ)
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	C*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	5.77E-12	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 018 (R-2 Spillway)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

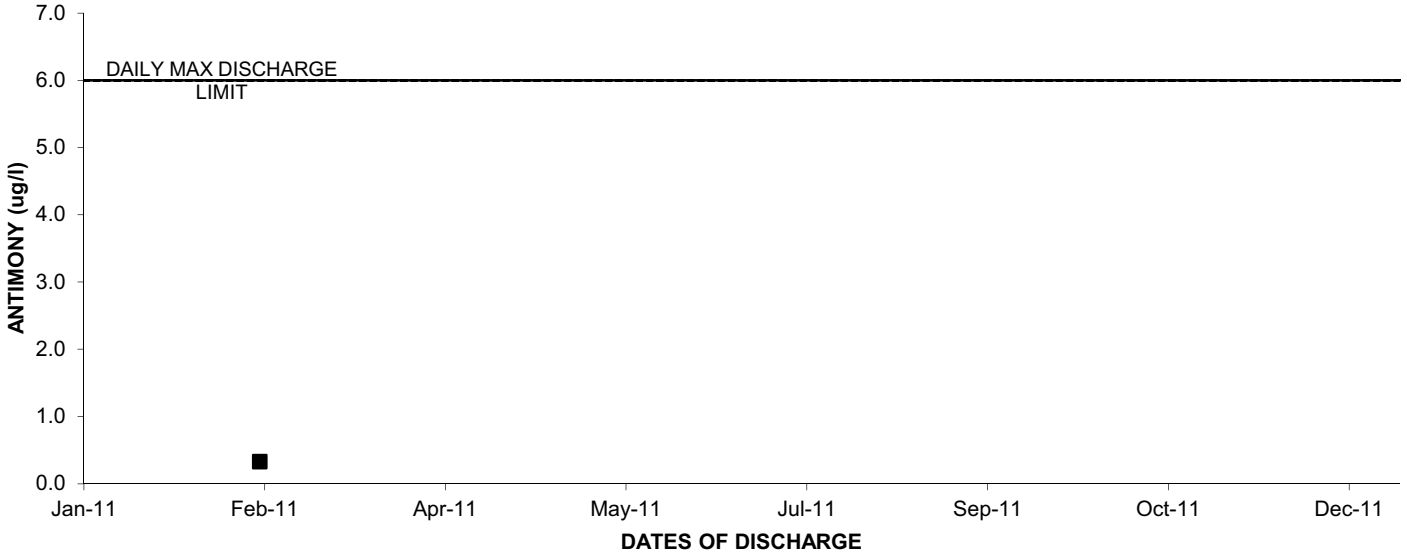
January 1 through December 31, 2011

			07/19/2011-07/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	1.08246	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/-	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/-	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	379.16	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.51	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.80	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/-	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	1263.88	*
Total Cyanide	LBS/DAY	11/-	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	3611.09	*
Total Suspended Solids	LBS/DAY	60,048/-	Comp	ND	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/-	Comp	ND	*
Chromium	LBS/DAY	22/-	ANR	ANR	ANR
Copper	LBS/DAY	19/-	Comp	0.01	Ja* (DNQ)
Iron	LBS/DAY	400/-	Comp	ND	*
Lead	LBS/DAY	6.9/-	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/-	Comp	ND	U
Nickel	LBS/DAY	128/-	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/-	Comp	ND	*
Silver	LBS/DAY	5.5/-	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/-	Comp	ND	*
1,2-Dichloroethane	LBS/DAY	0.67/-	Grab	ND	*
1,1-Dichloroethene	LBS/DAY	8.0/-	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
2,4,6-Trichlorophenol	LBS/DAY	17/-	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/-	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/-	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/-	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/-	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/-	Comp	ND	--

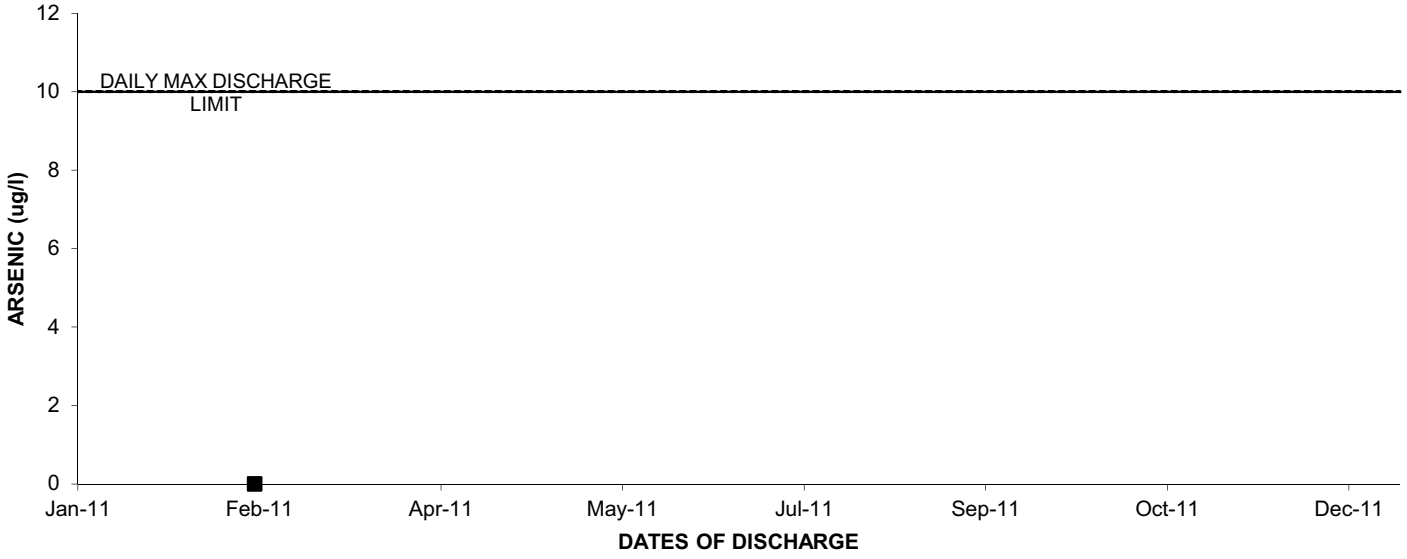
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

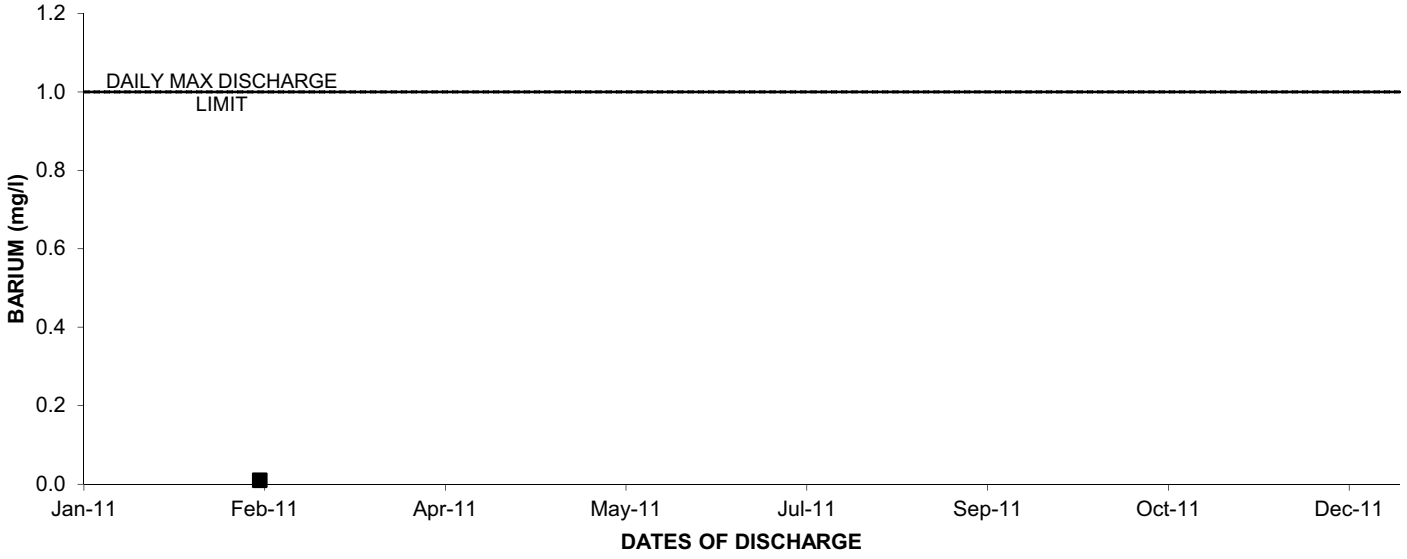
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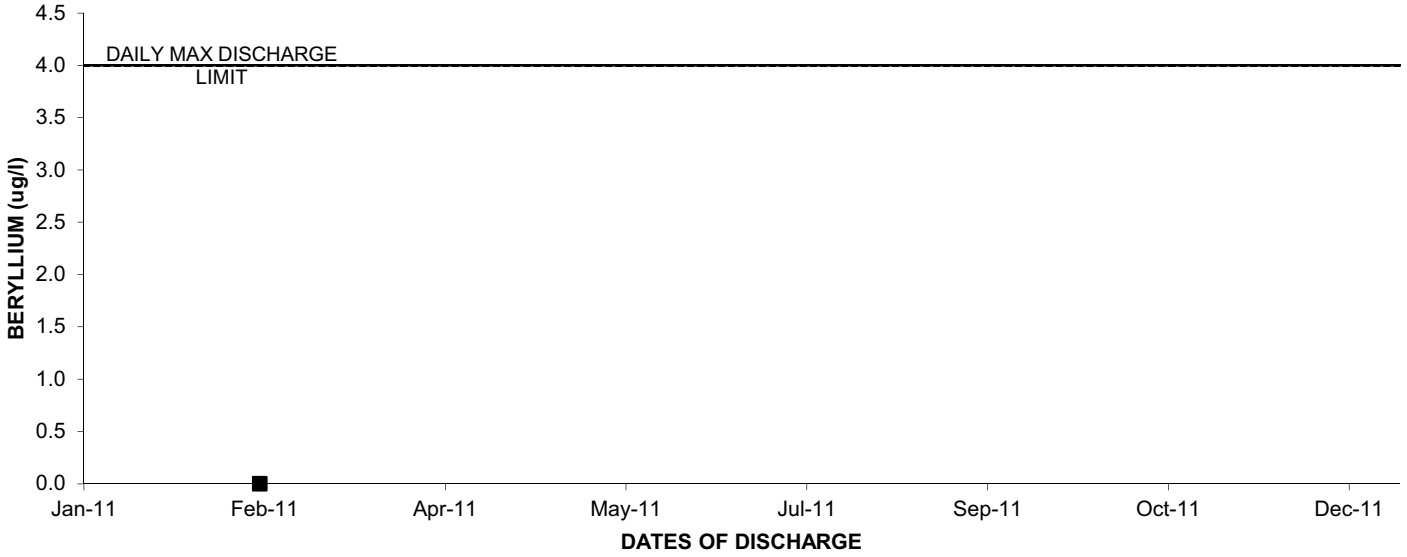
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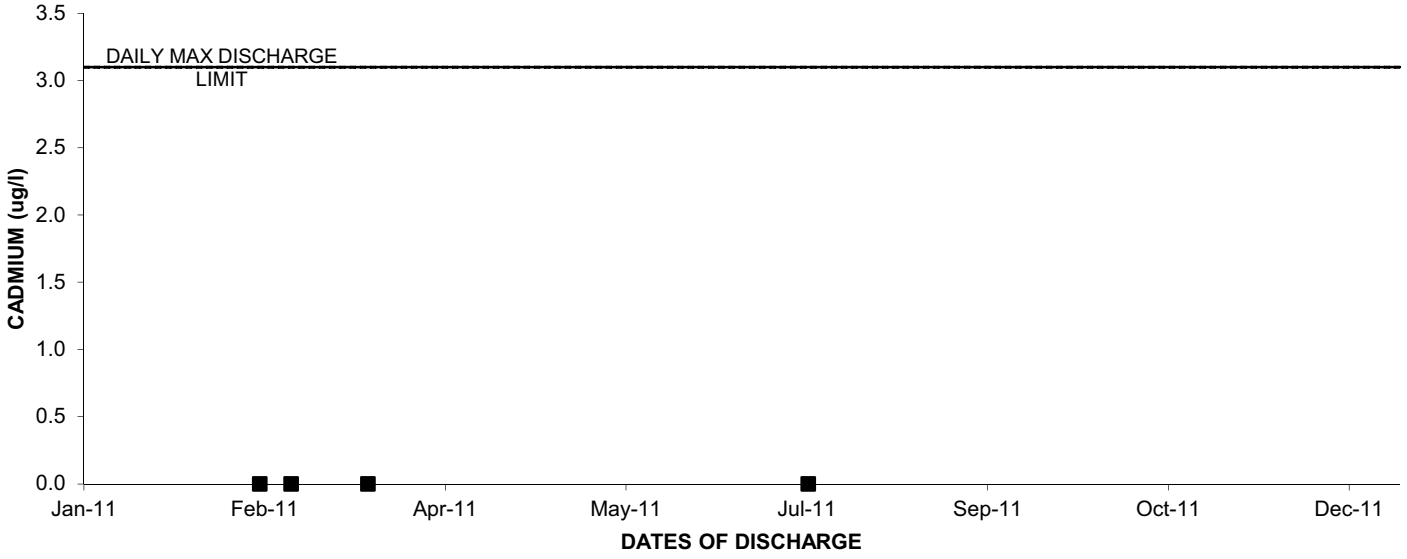
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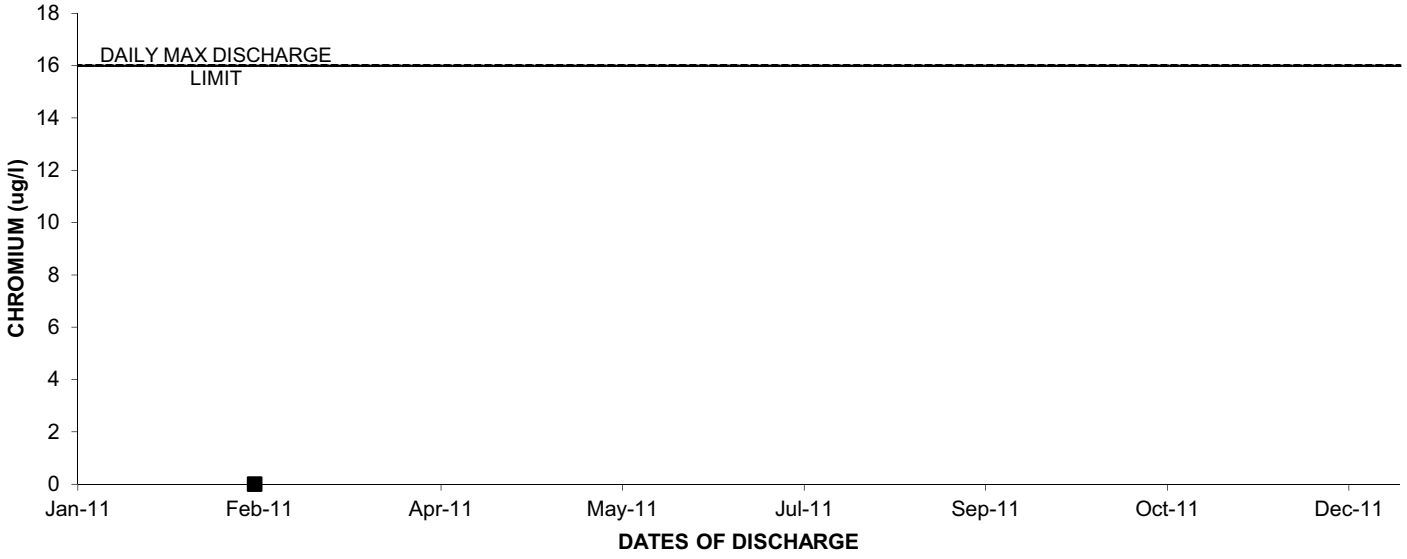
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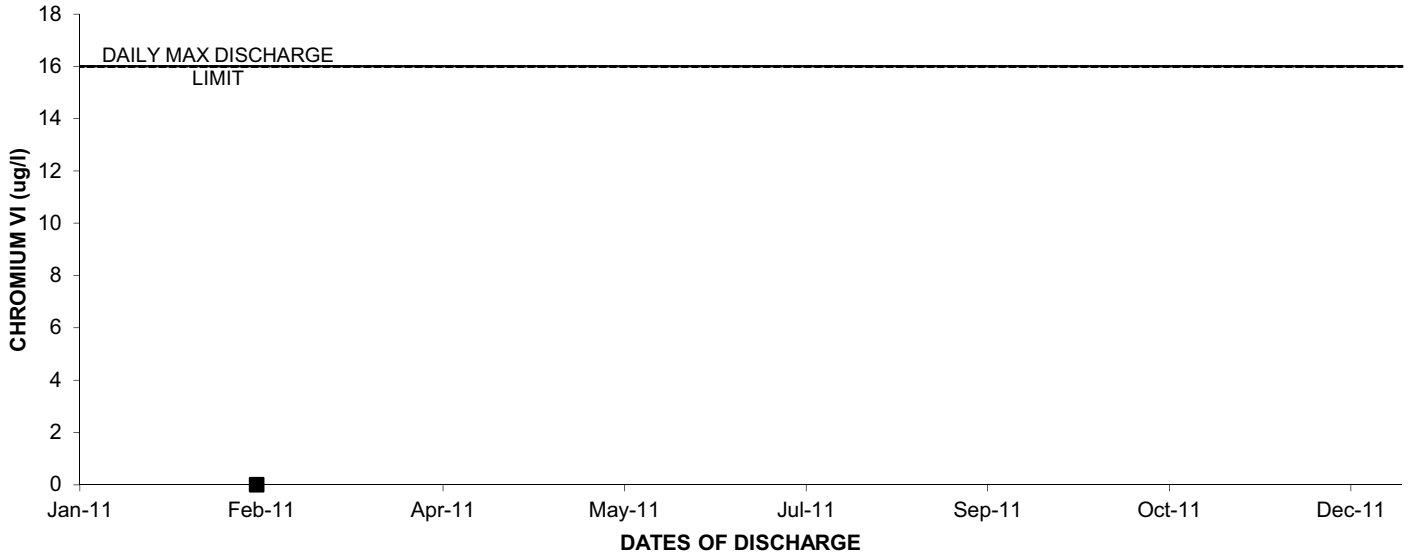
2011: OUTFALL 018 CADMIUM



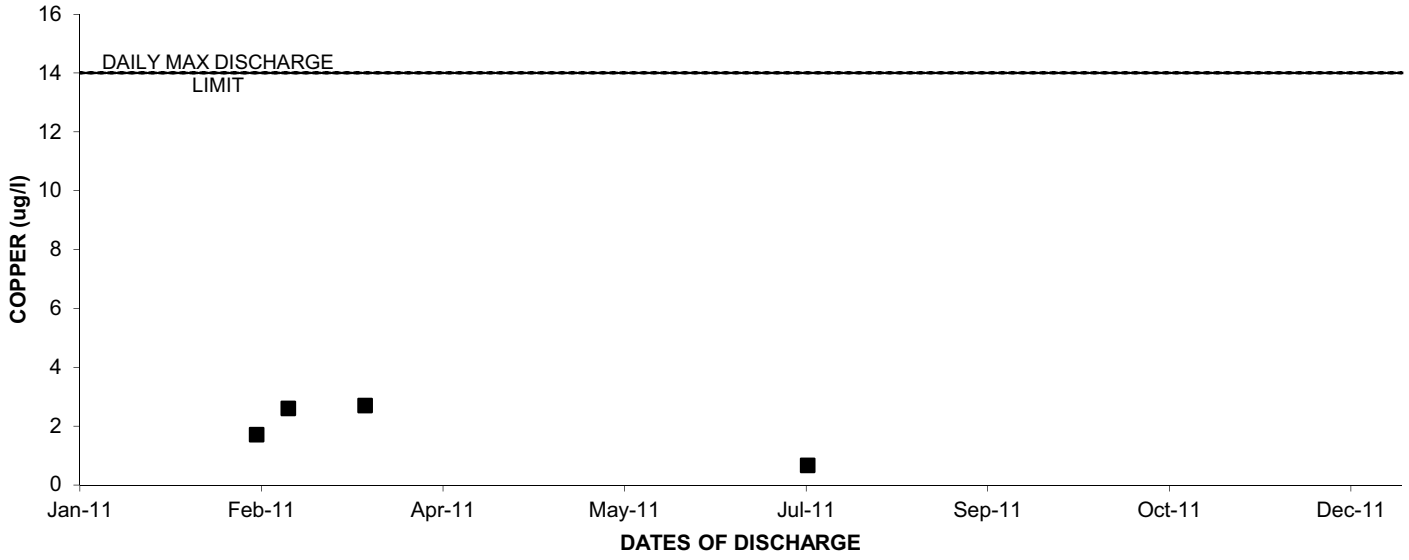
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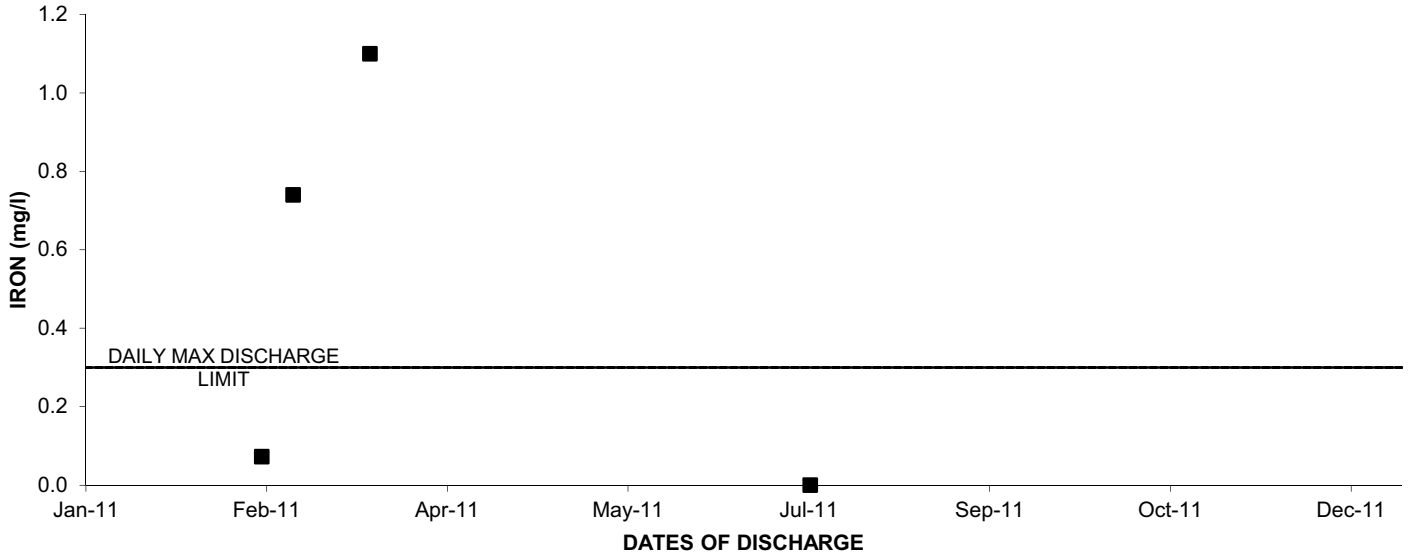
2011: OUTFALL 018 CHROMIUM VI



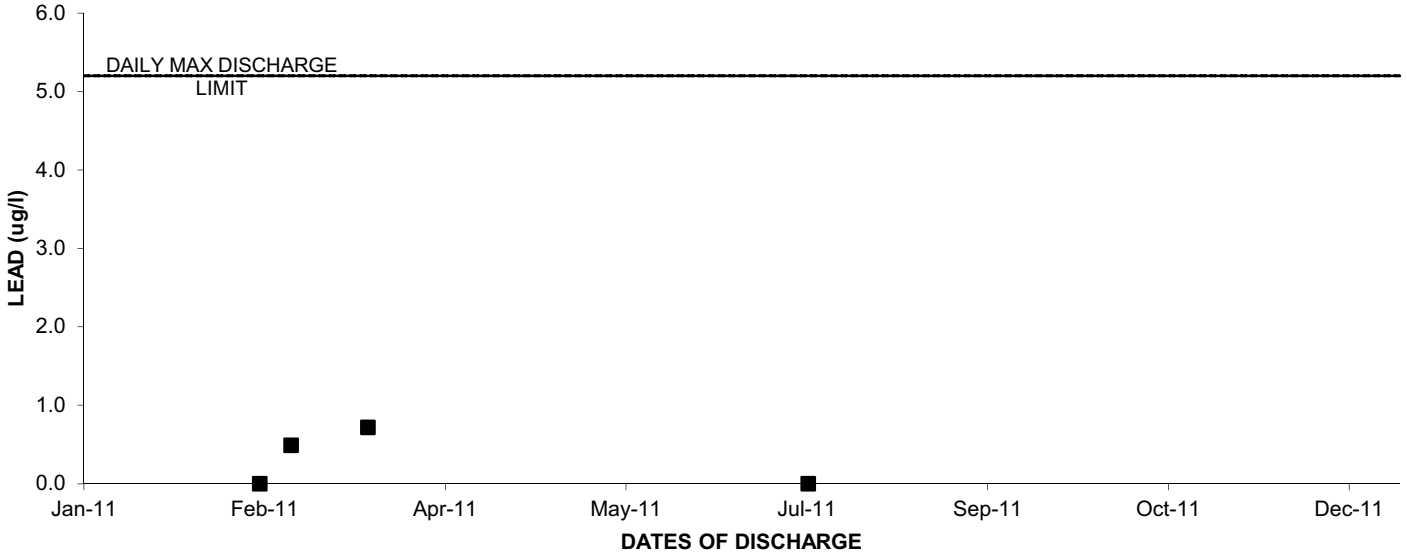
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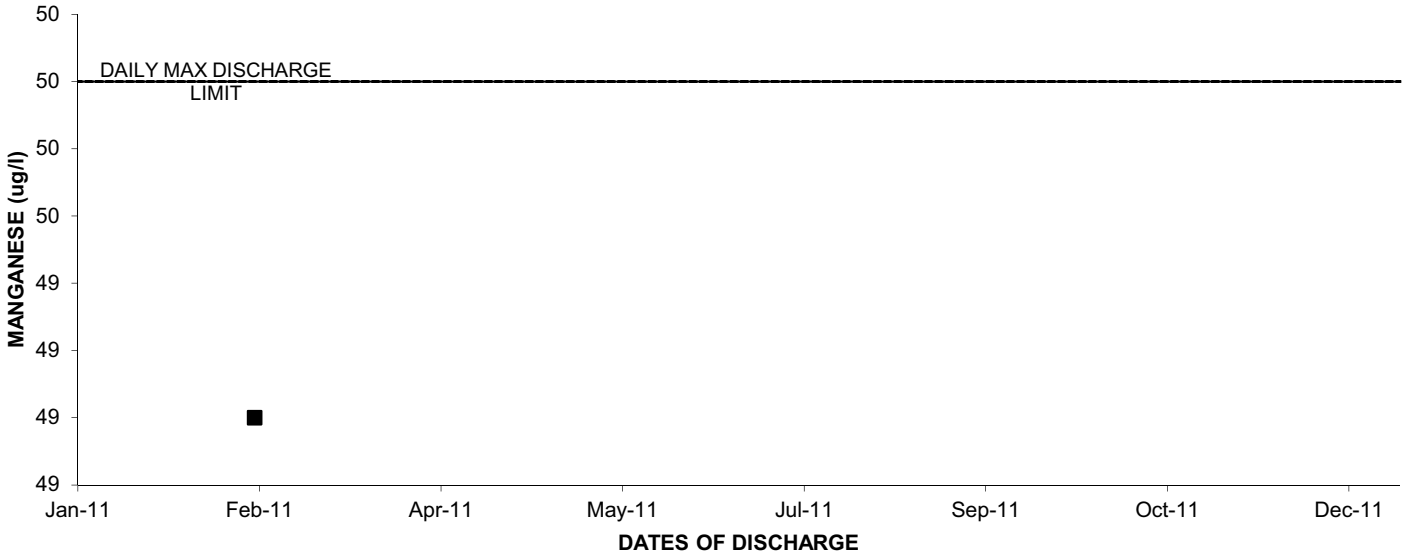
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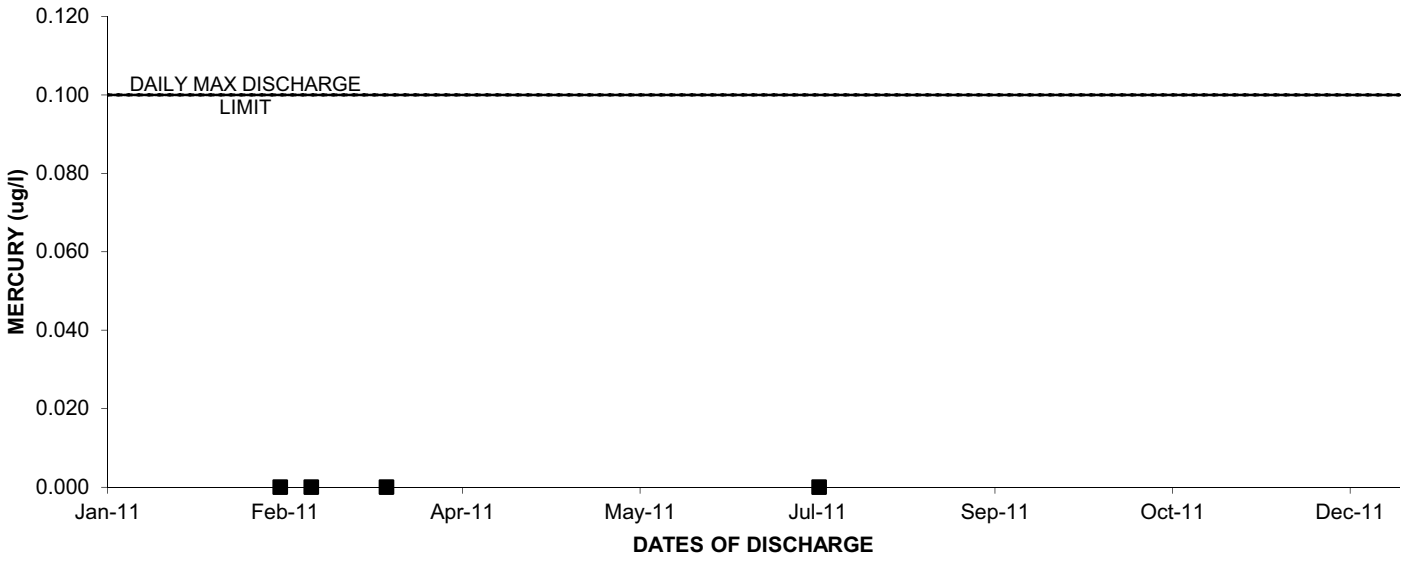
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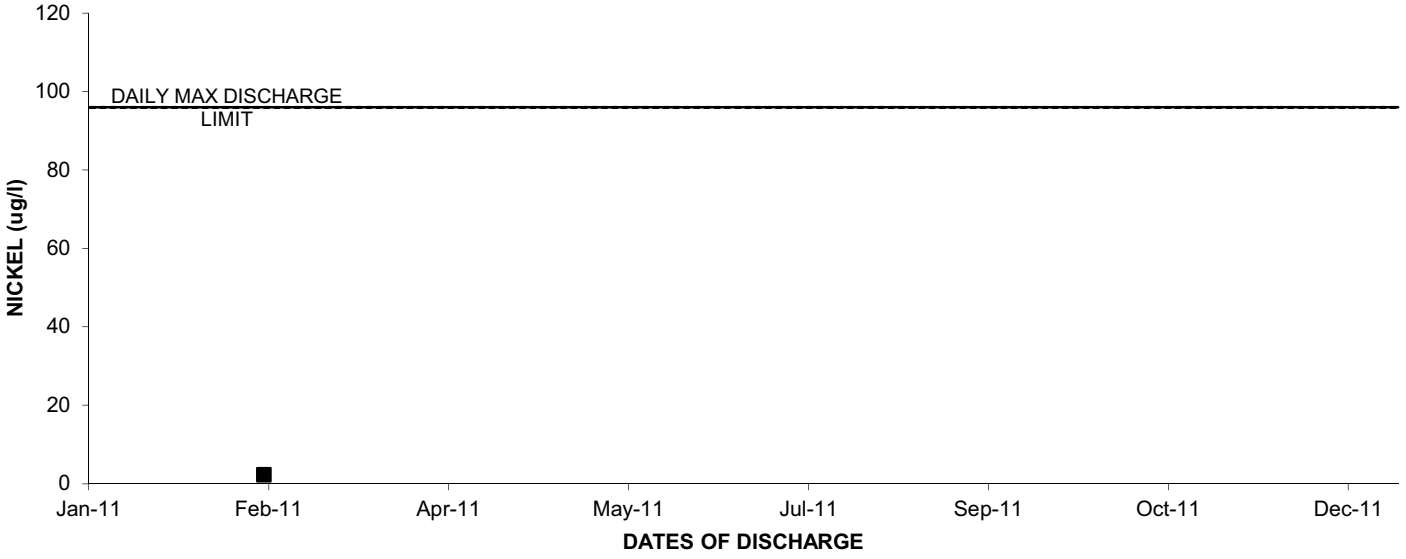
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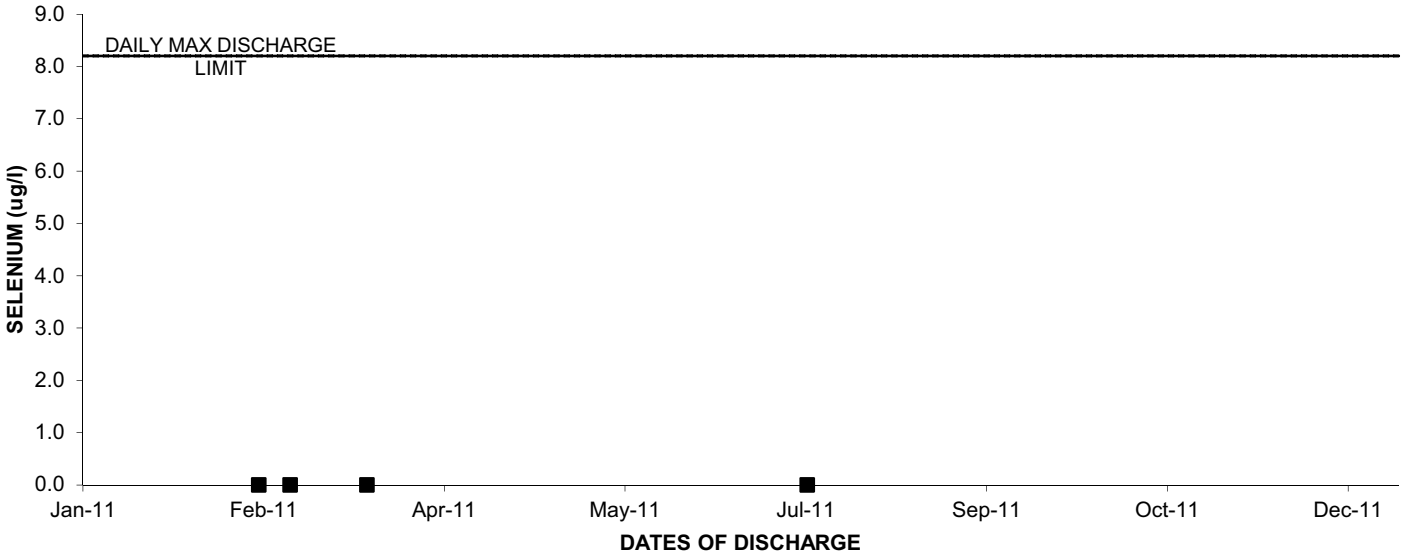
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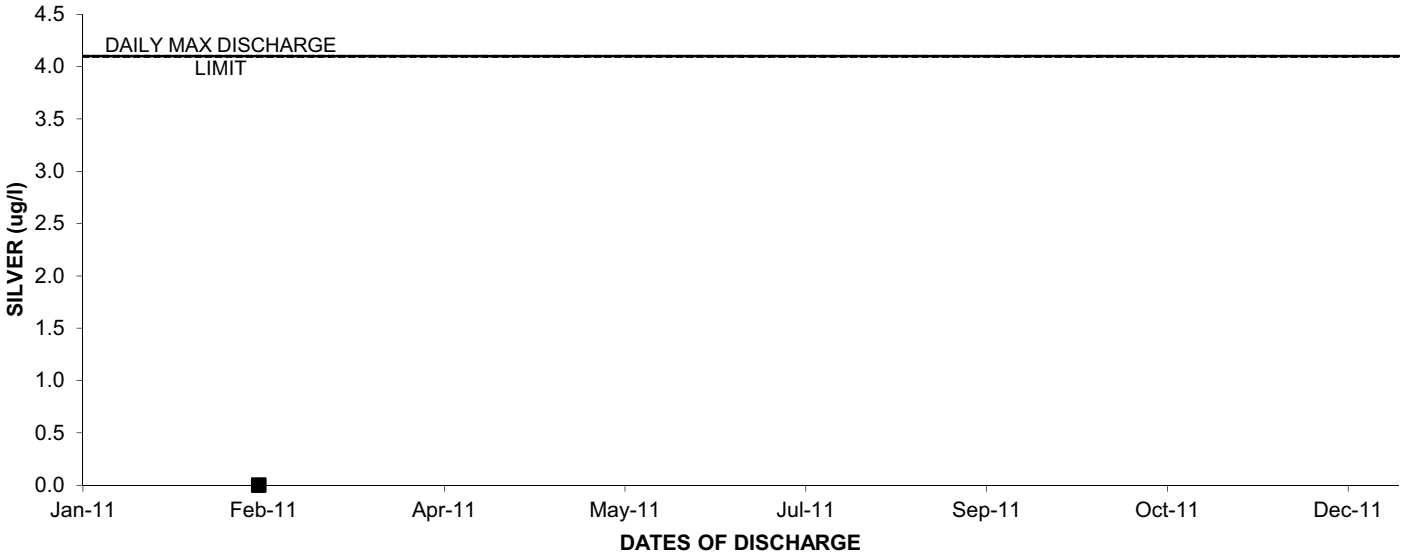
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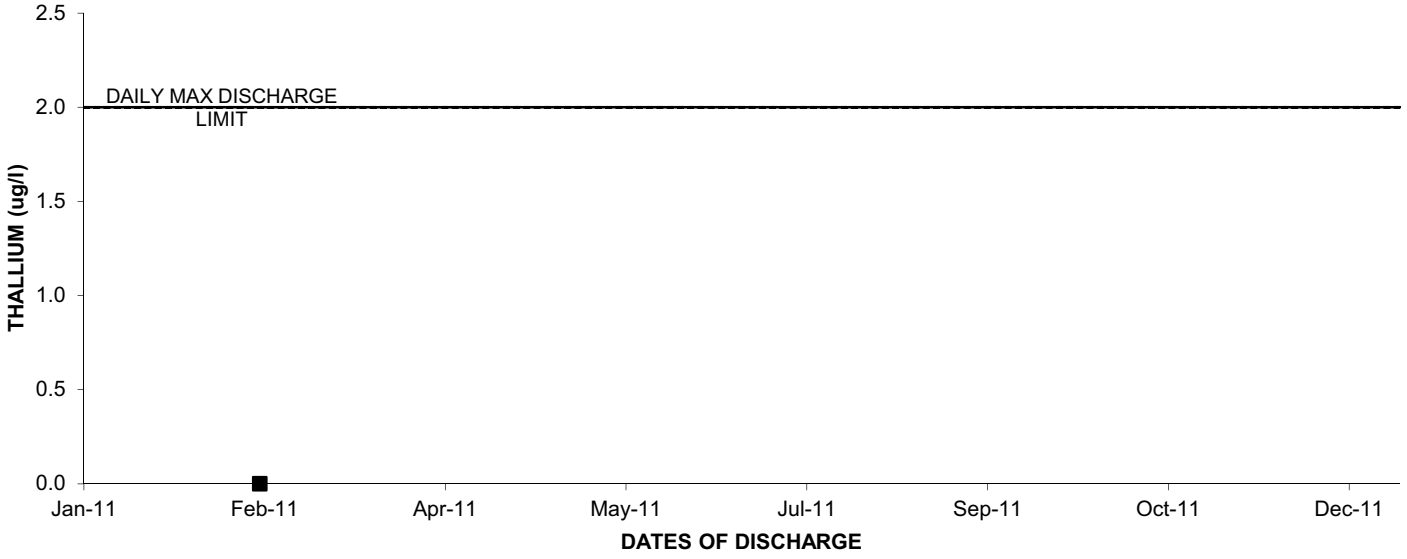
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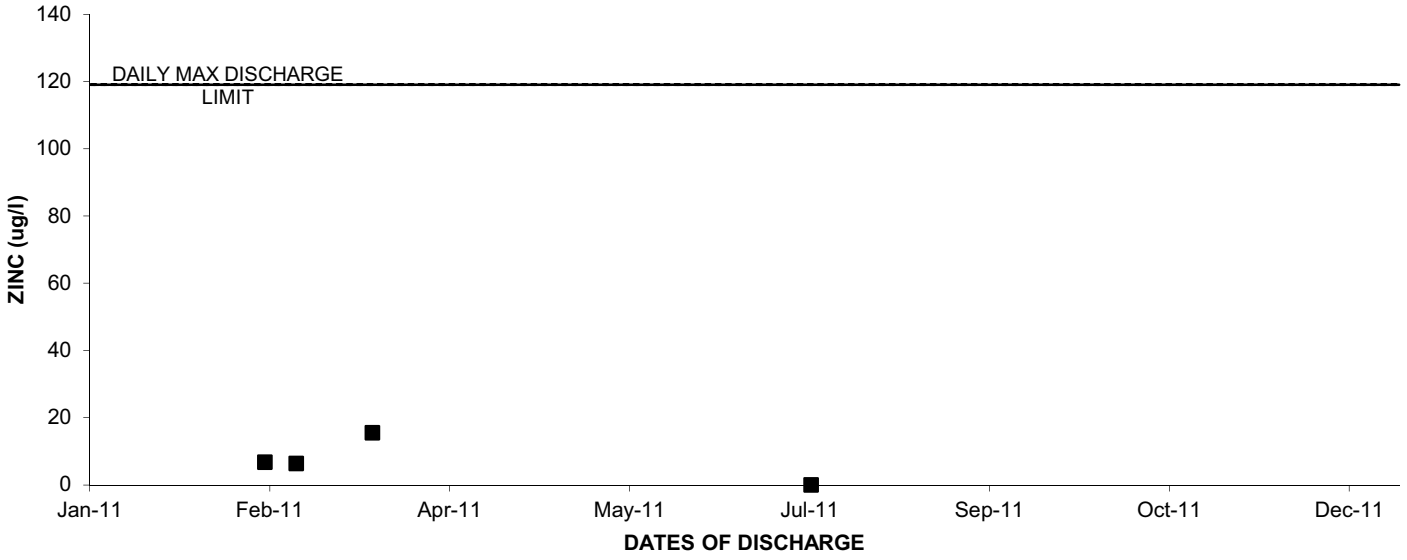
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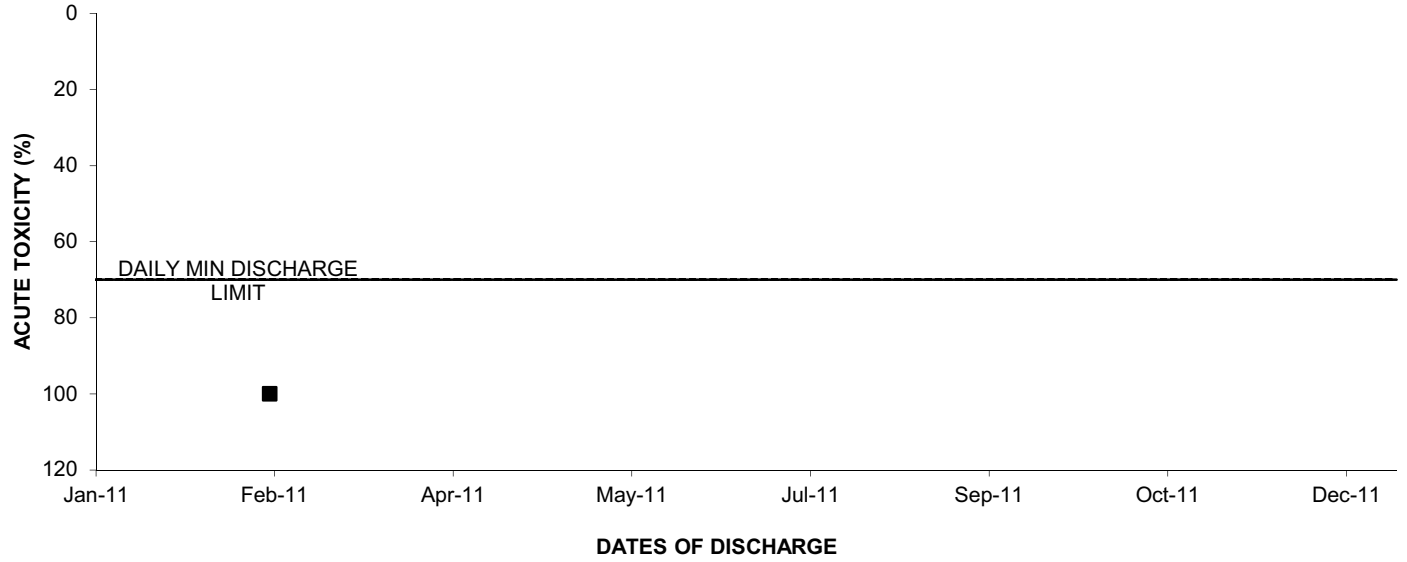
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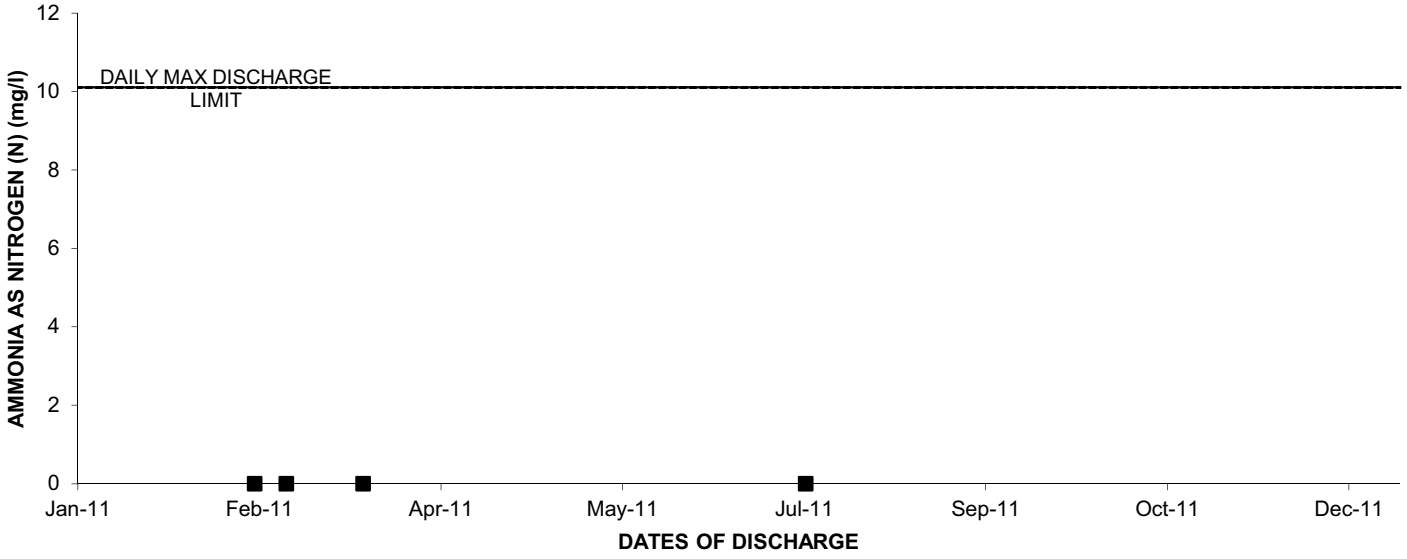
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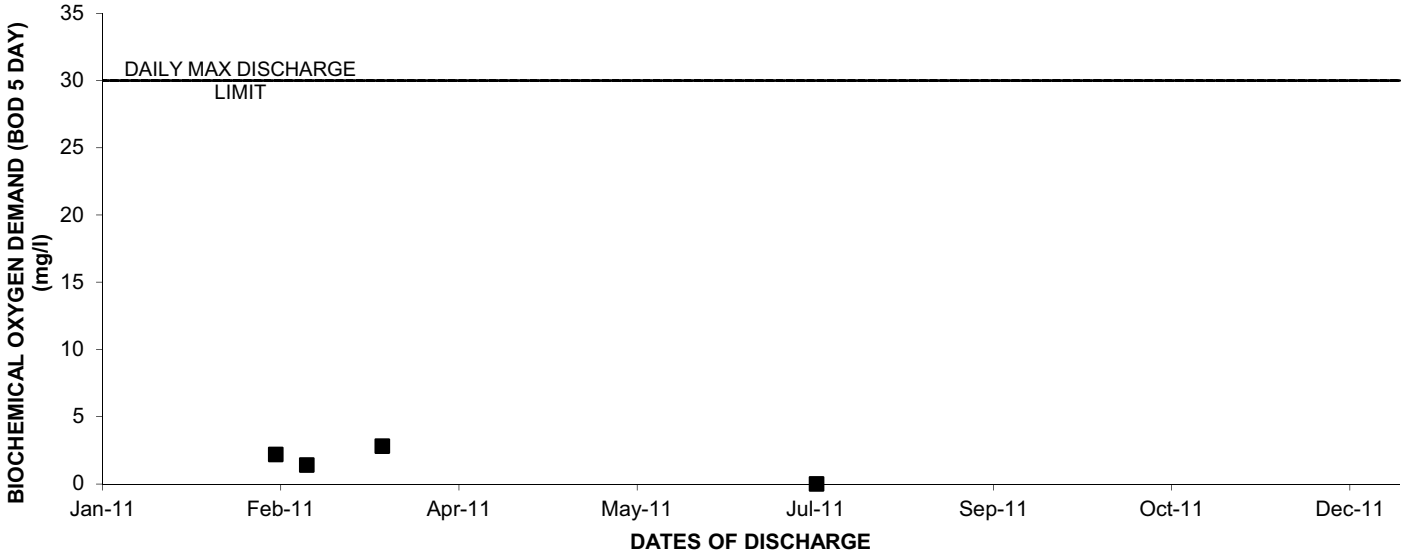
2011: OUTFALL 018 ACUTE TOXICITY



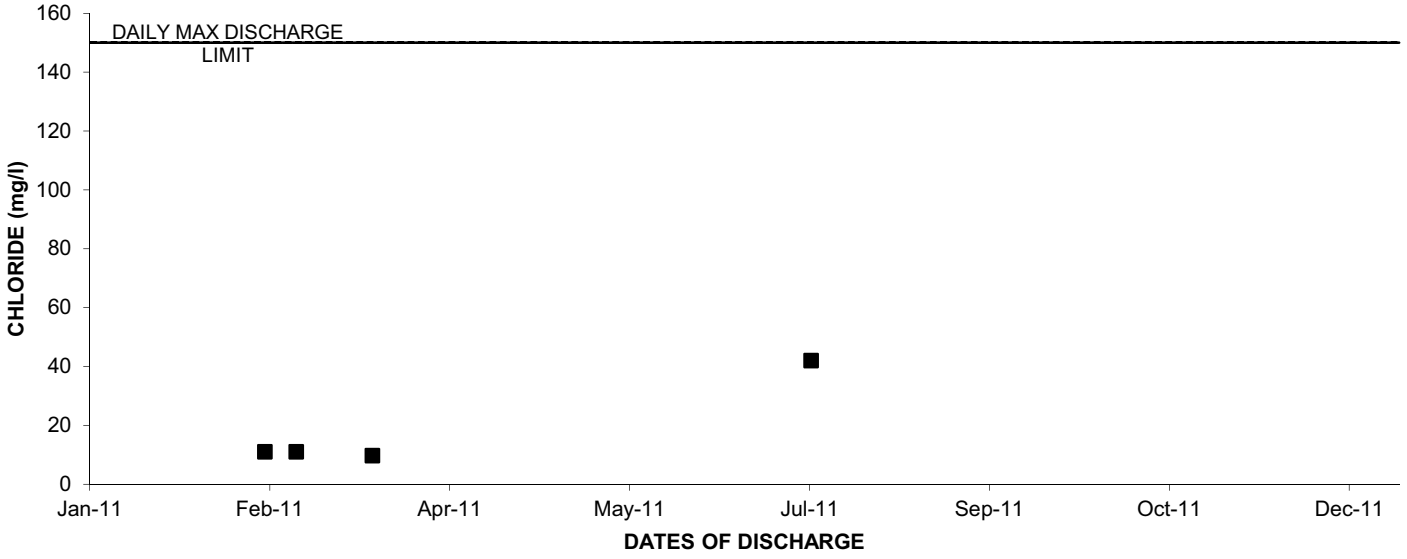
2011: OUTFALL 018 AMMONIA AS NITROGEN (N)



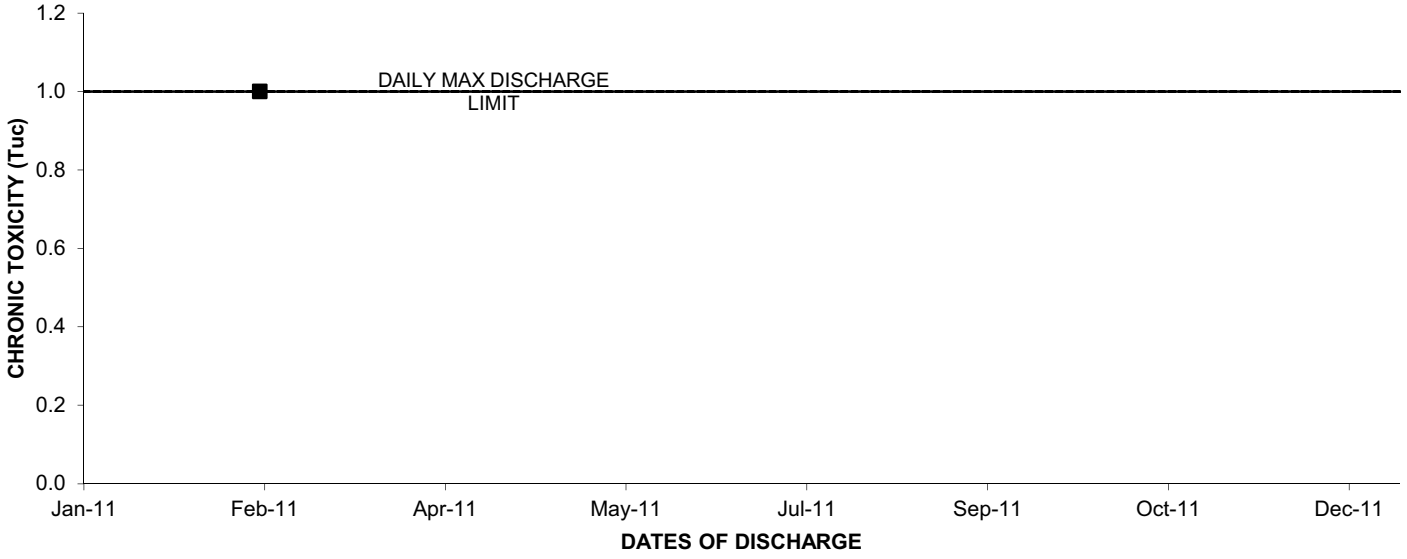
2011: OUTFALL 018 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



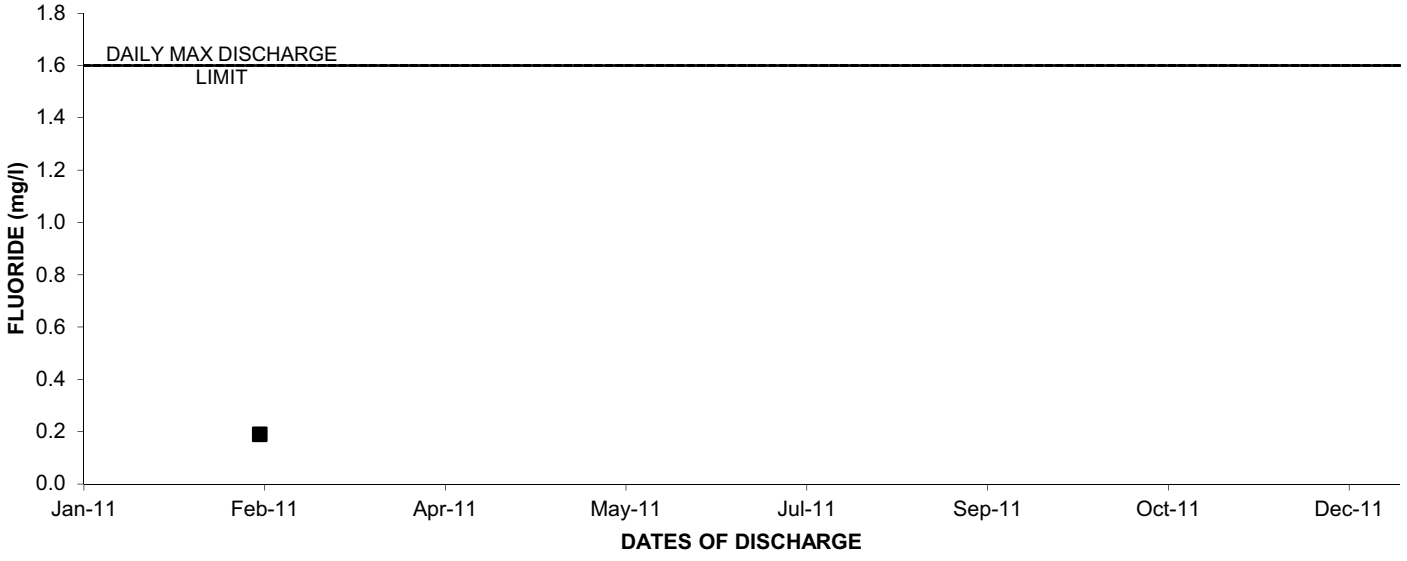
2011: OUTFALL 018 CHLORIDE



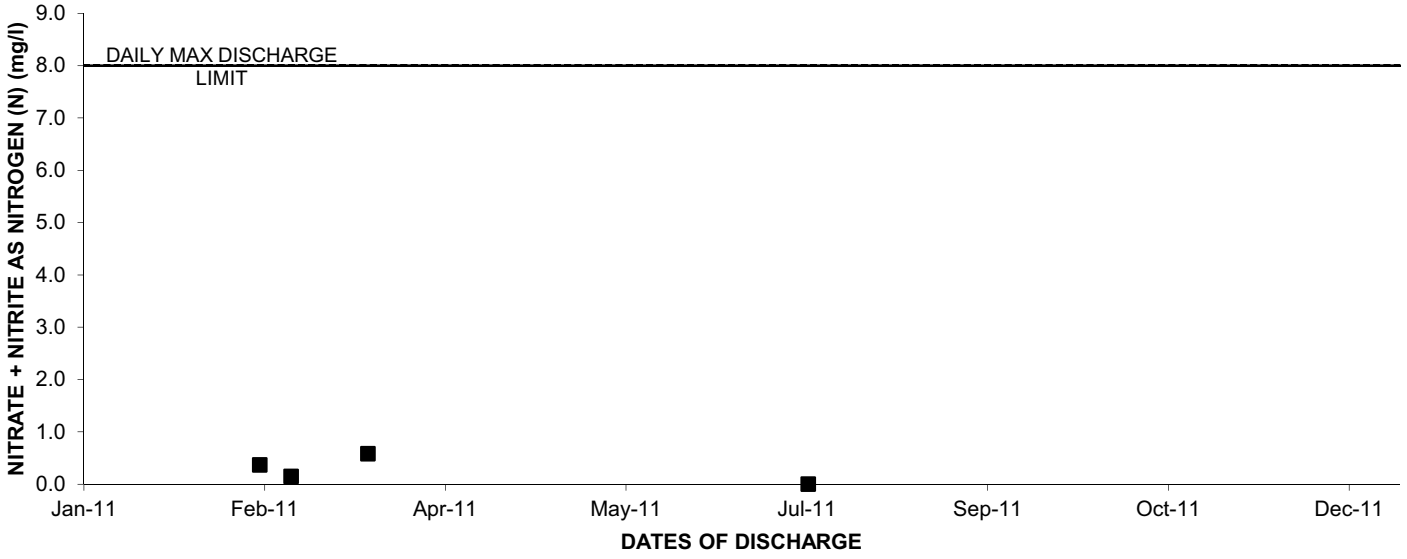
2011: OUTFALL 018 CHRONIC TOXICITY



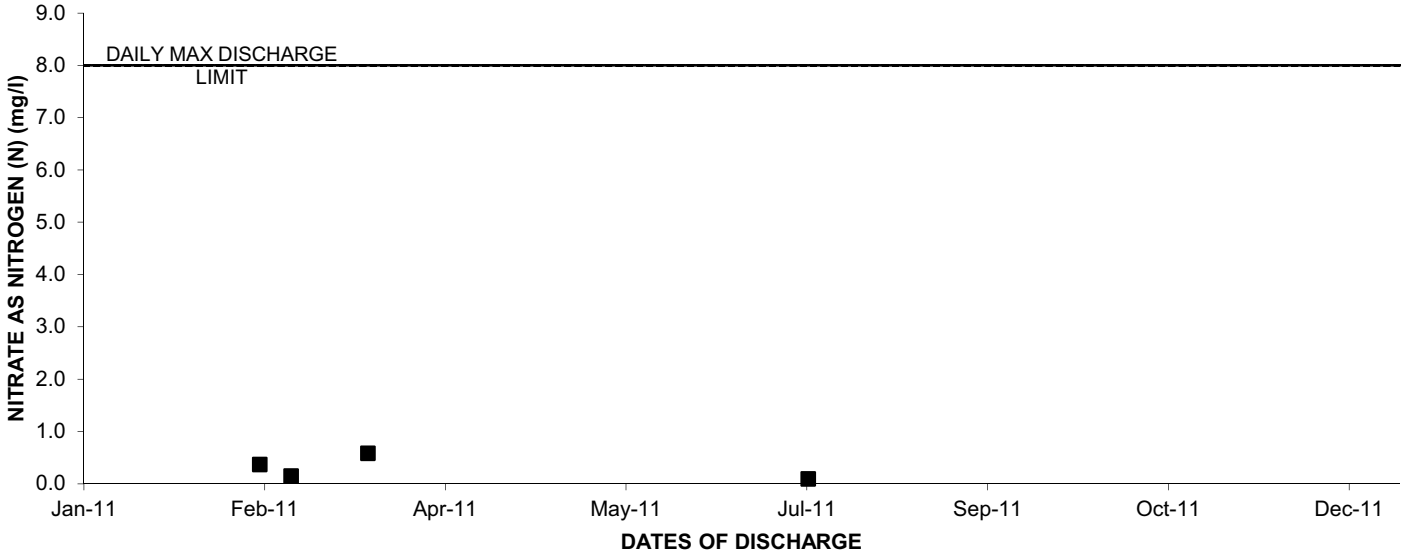
2011: OUTFALL 018 FLUORIDE



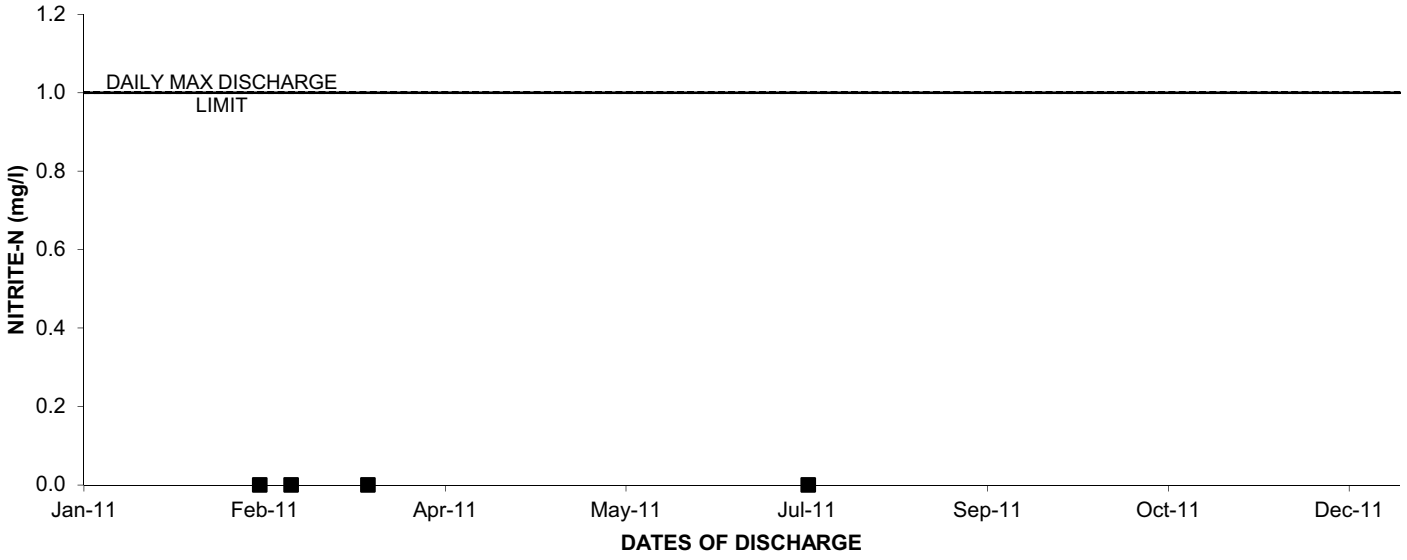
2011: OUTFALL 018 NITRATE + NITRITE AS NITROGEN (N)



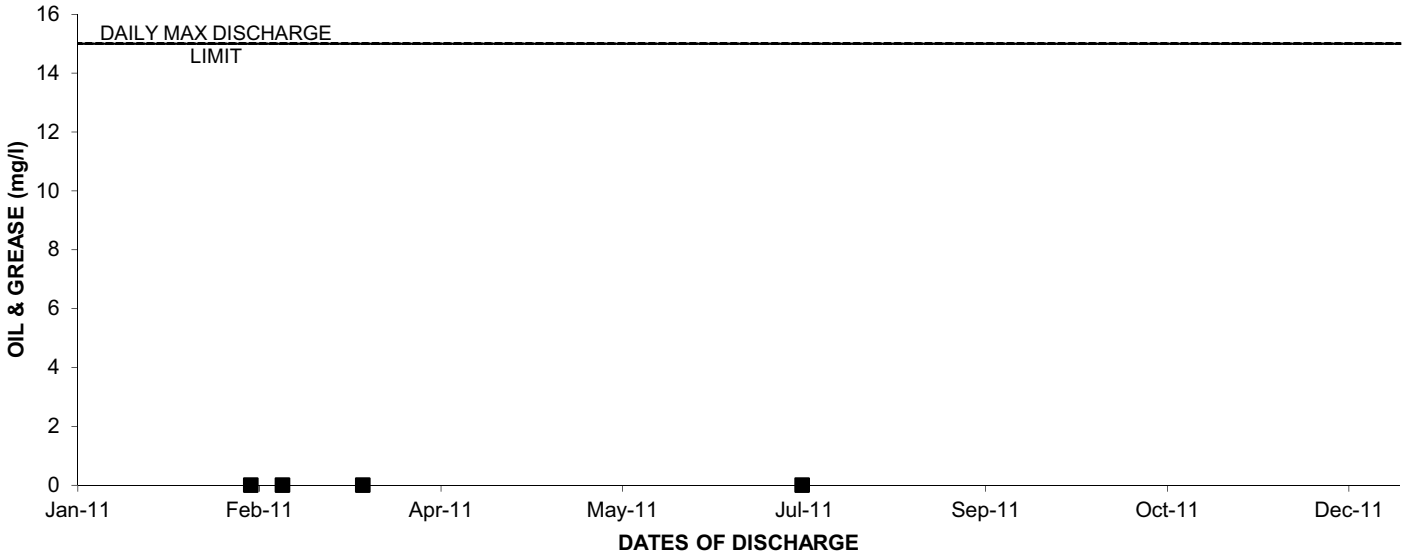
2011: OUTFALL 018 NITRATE AS NITROGEN (N)



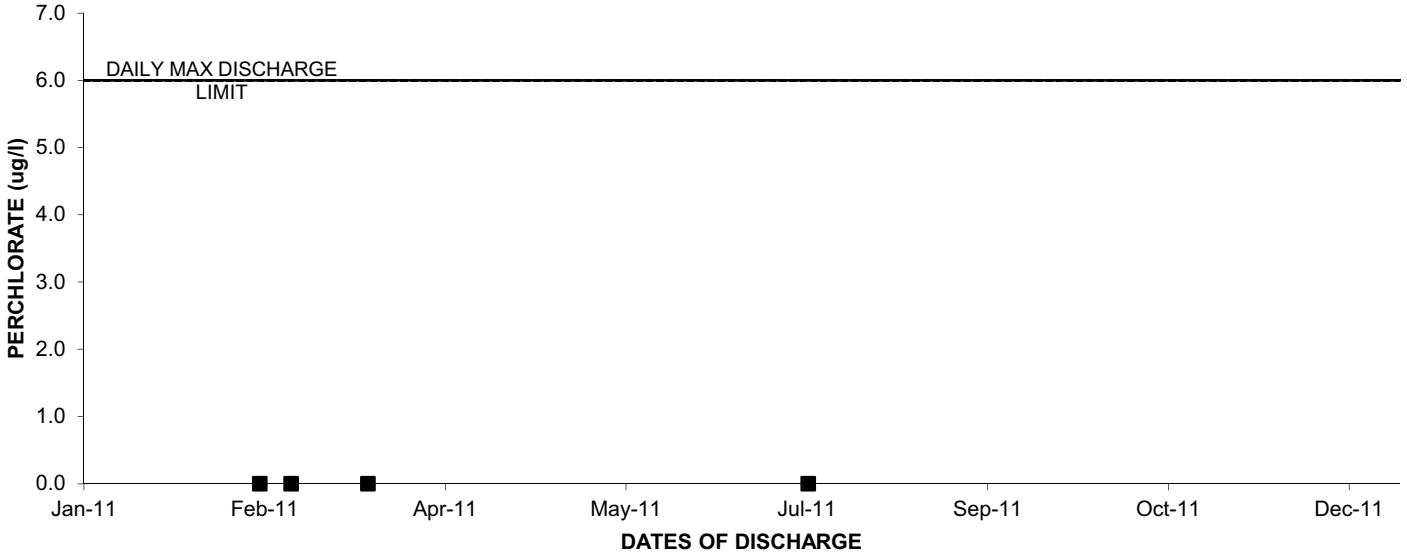
2011: OUTFALL 018 NITRITE-N



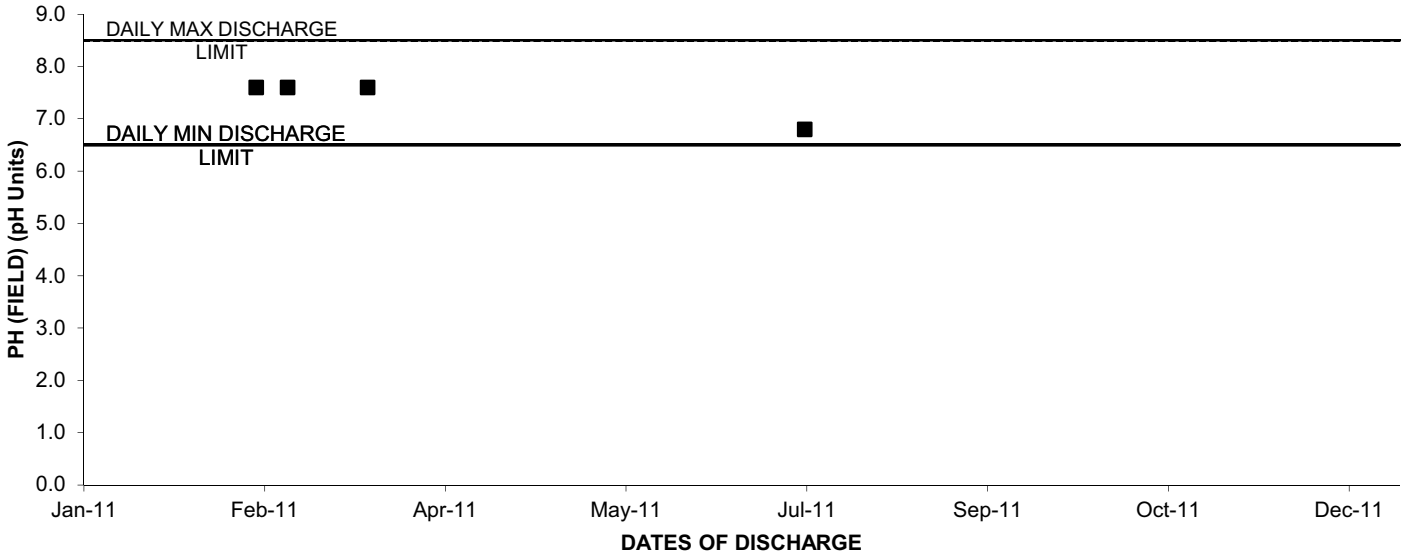
2011: OUTFALL 018 OIL & GREASE



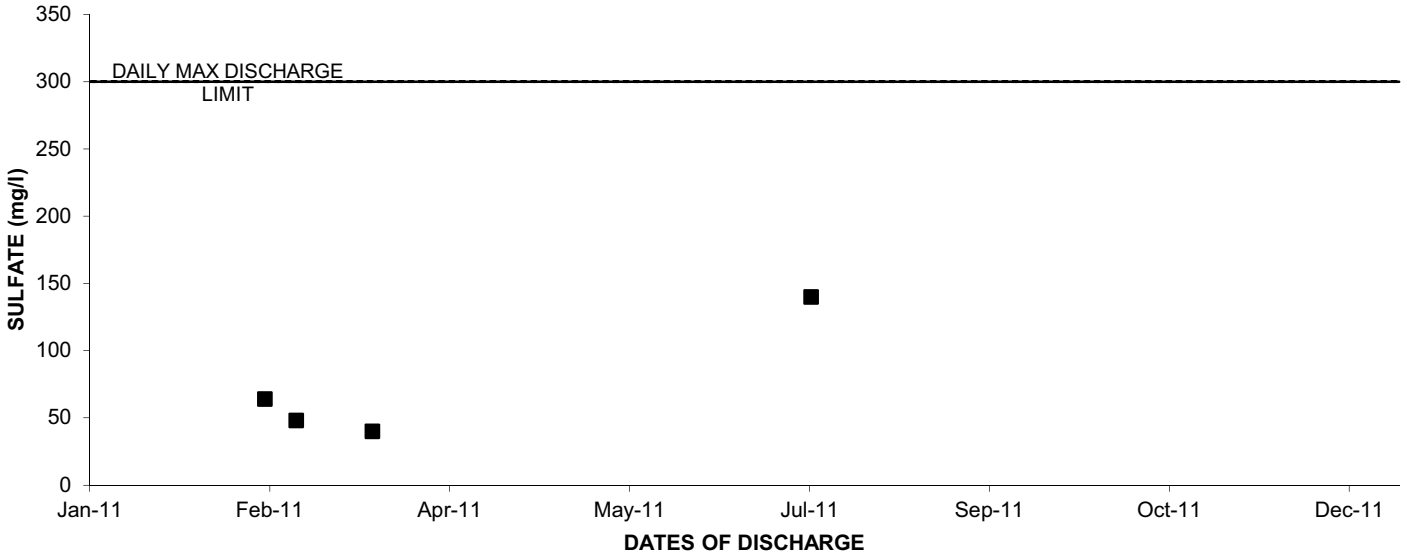
2011: OUTFALL 018 PERCHLORATE



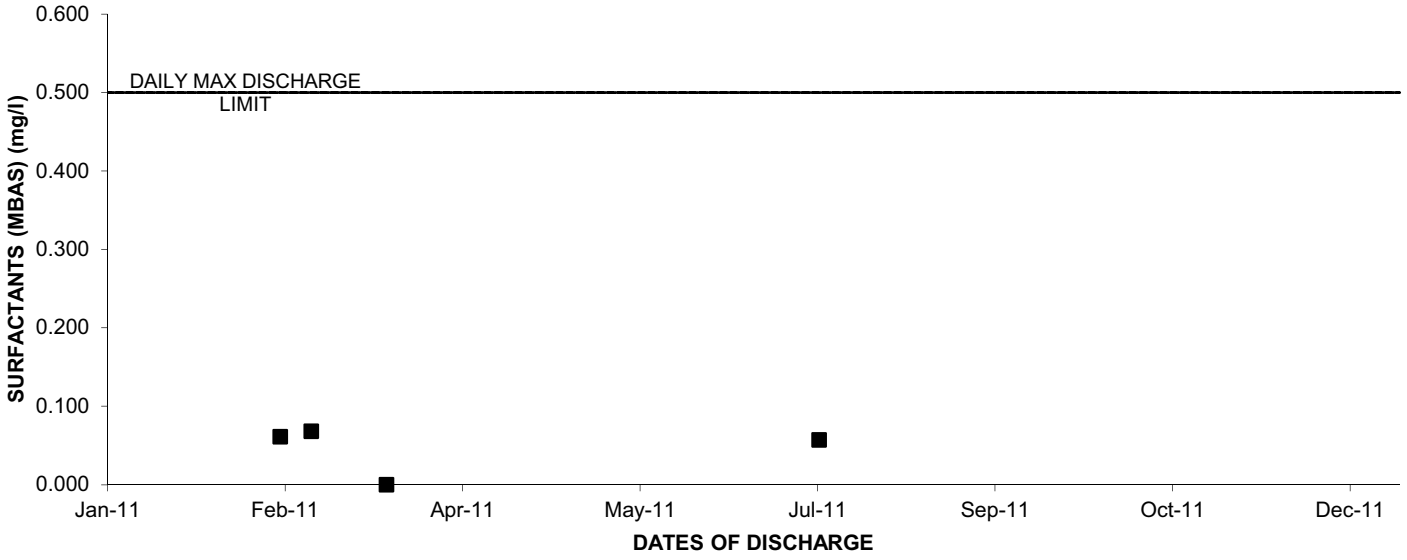
2011: OUTFALL 018 PH (FIELD)



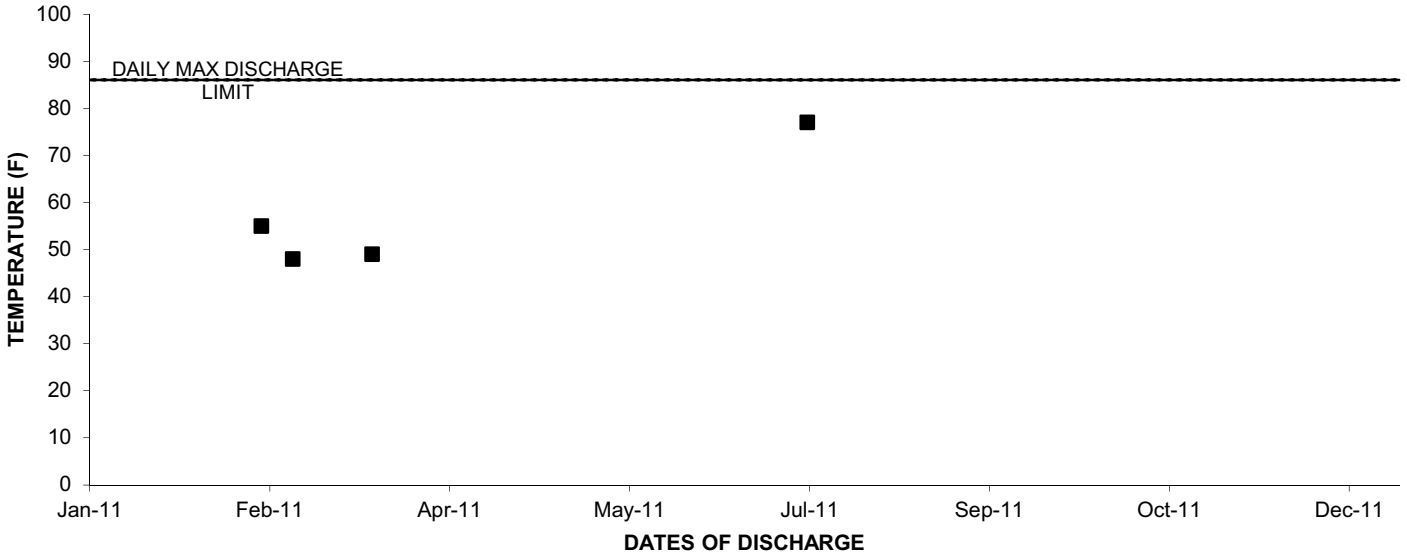
2011: OUTFALL 018 SULFATE



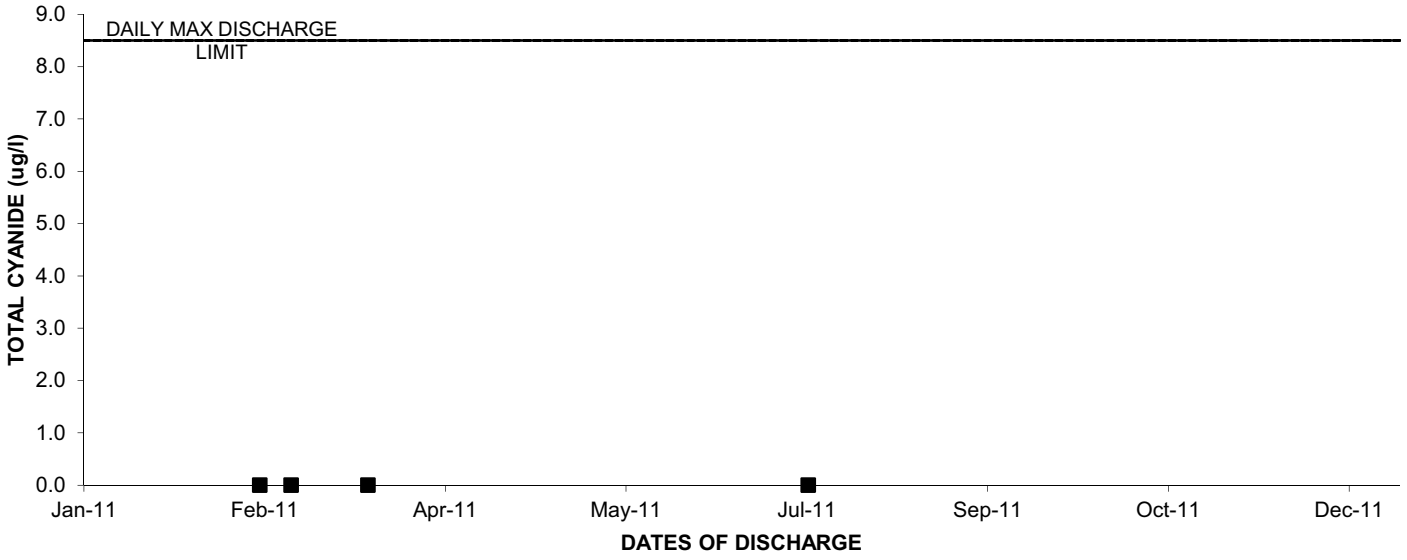
2011: OUTFALL 018 SURFACTANTS (MBAS)



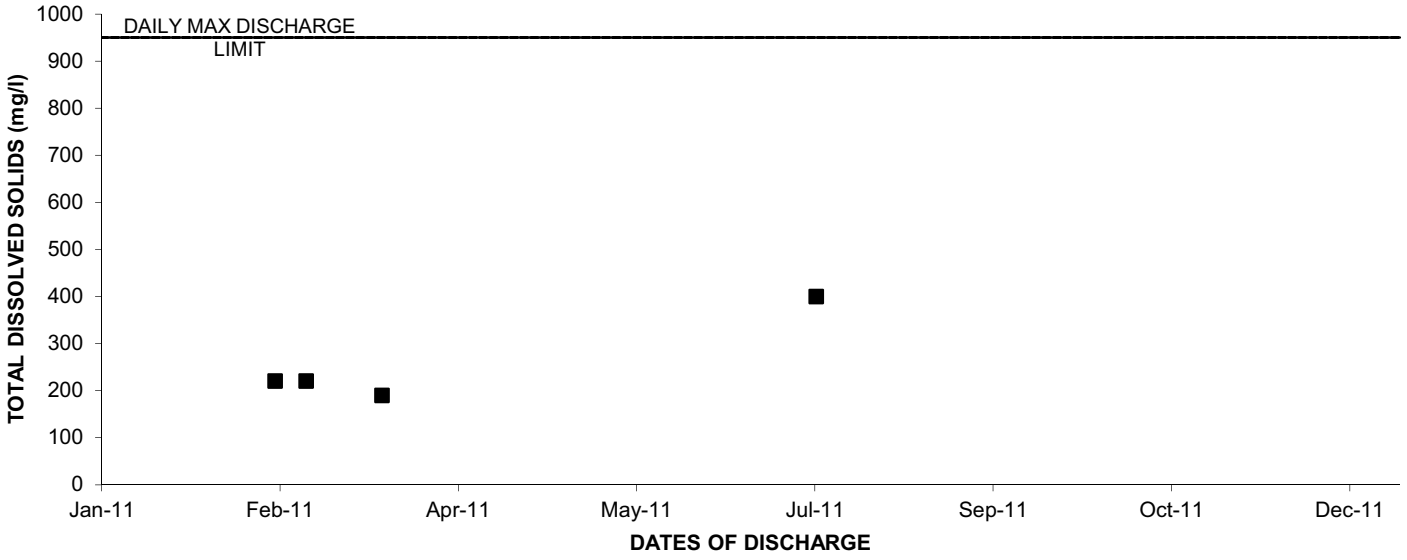
2011: OUTFALL 018 TEMPERATURE



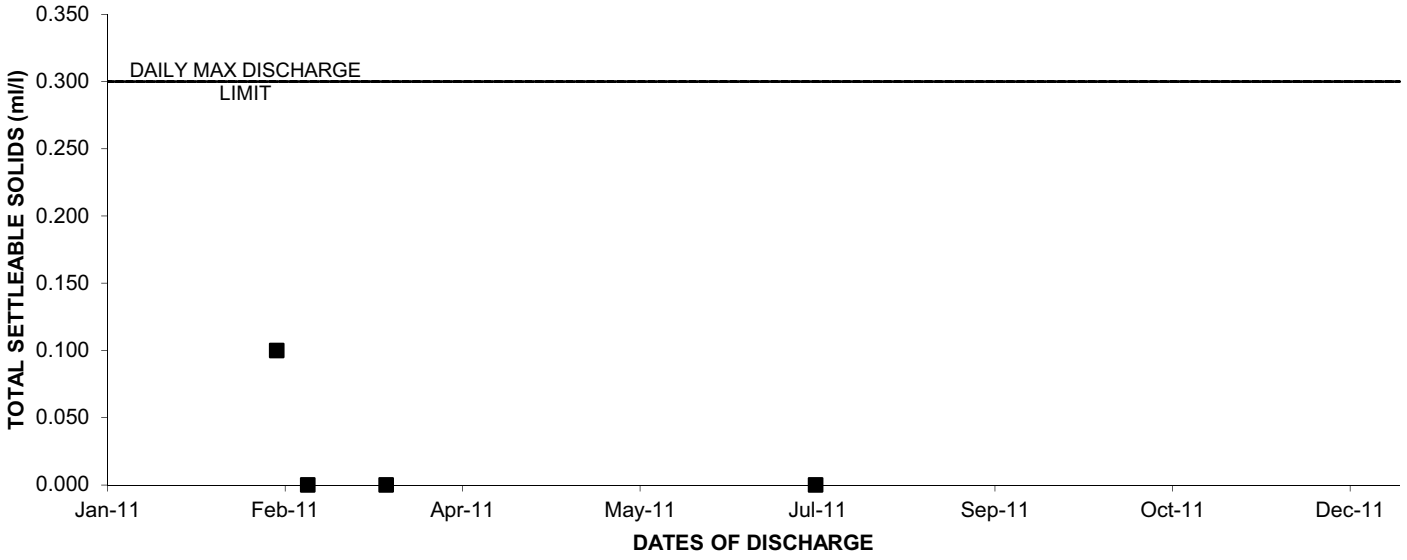
2011: OUTFALL 018 TOTAL CYANIDE



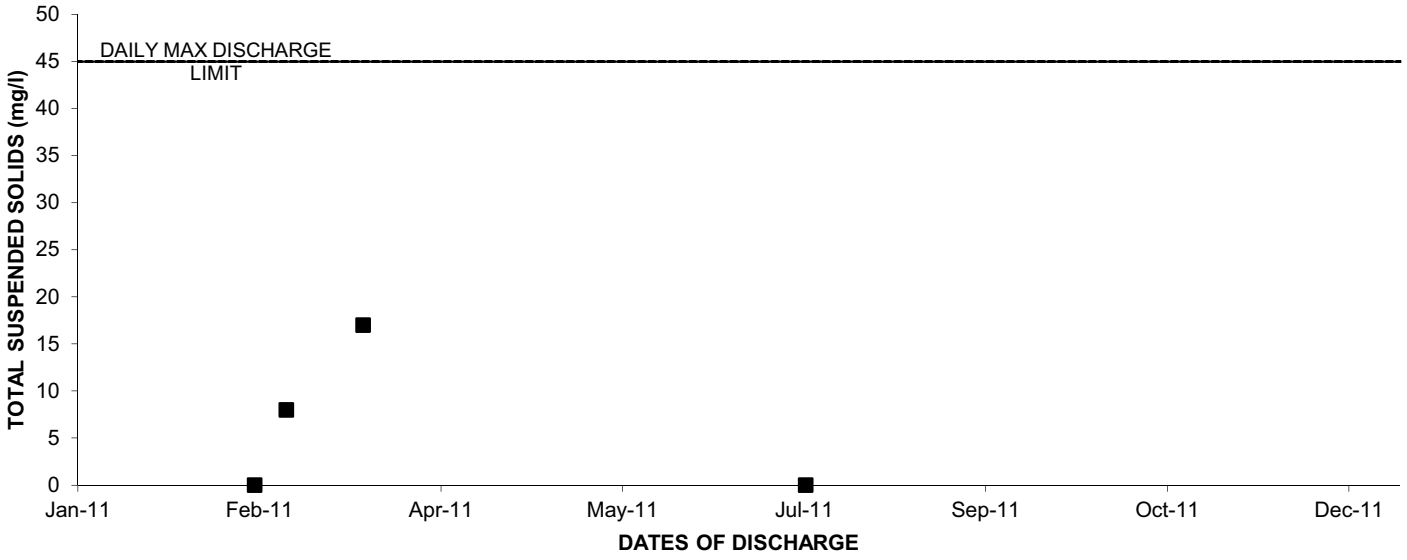
2011: OUTFALL 018 TOTAL DISSOLVED SOLIDS



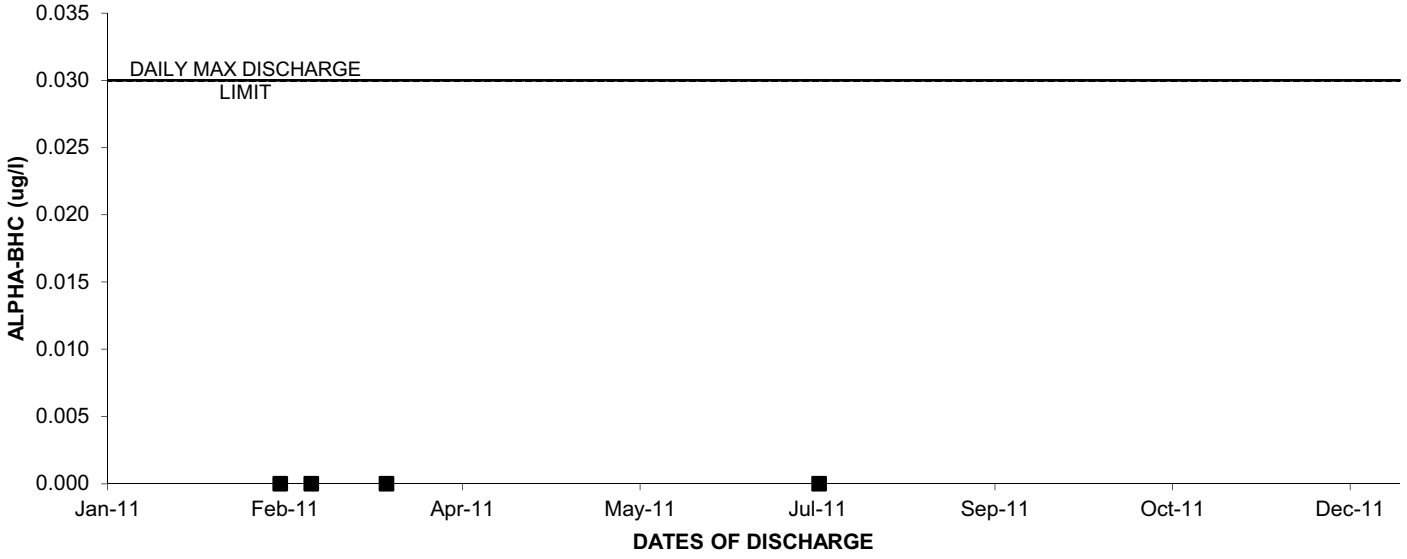
2011: OUTFALL 018 TOTAL SETTLEABLE SOLIDS



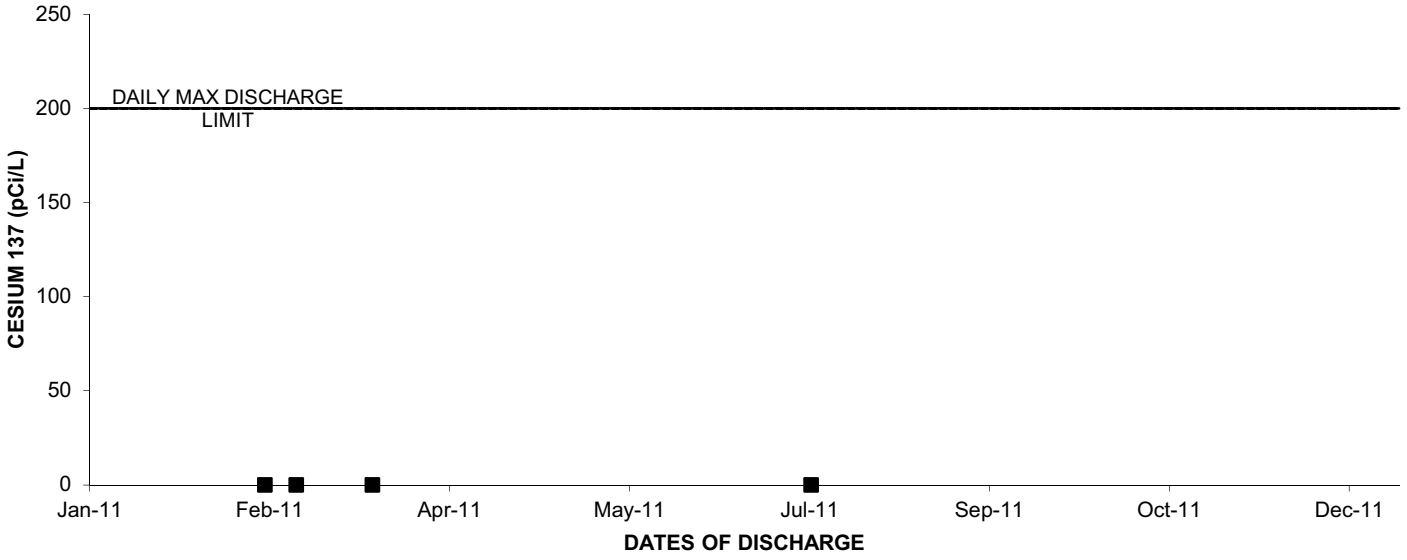
2011: OUTFALL 018 TOTAL SUSPENDED SOLIDS



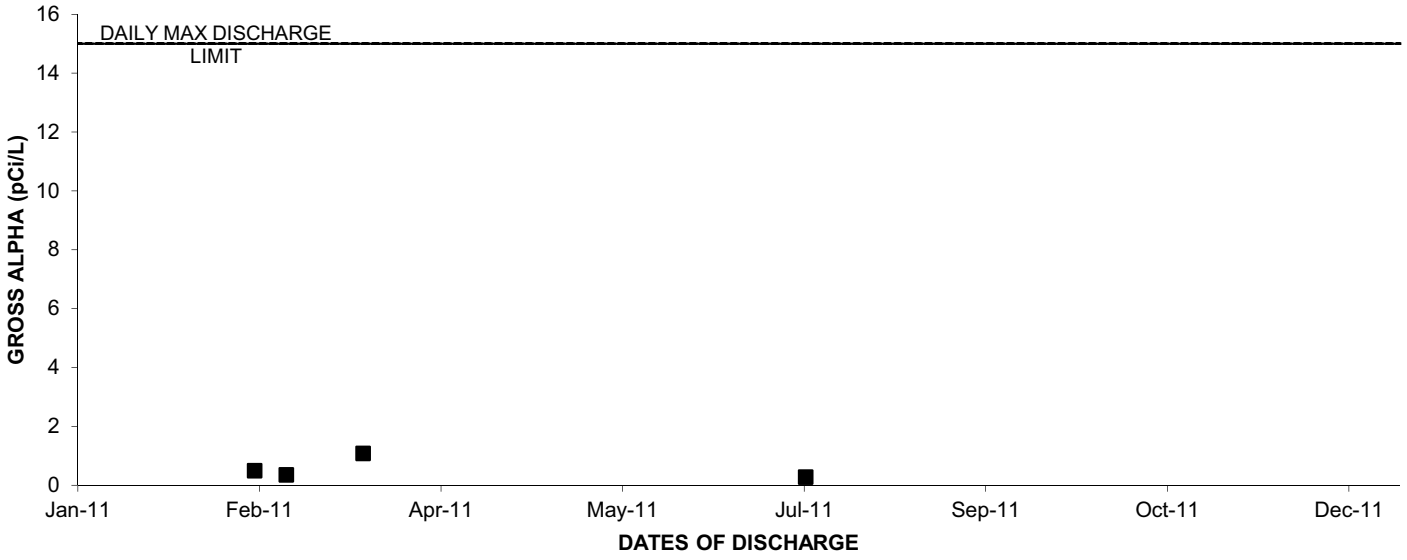
2011: OUTFALL 018 ALPHA-BHC



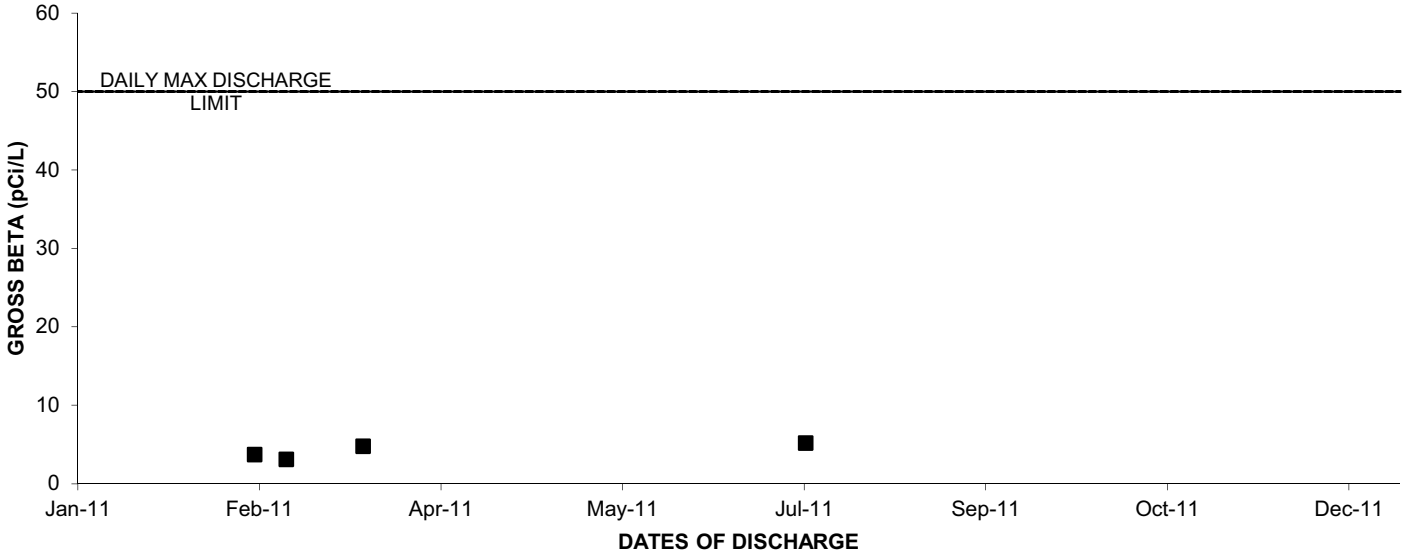
2011: OUTFALL 018 CESIUM 137



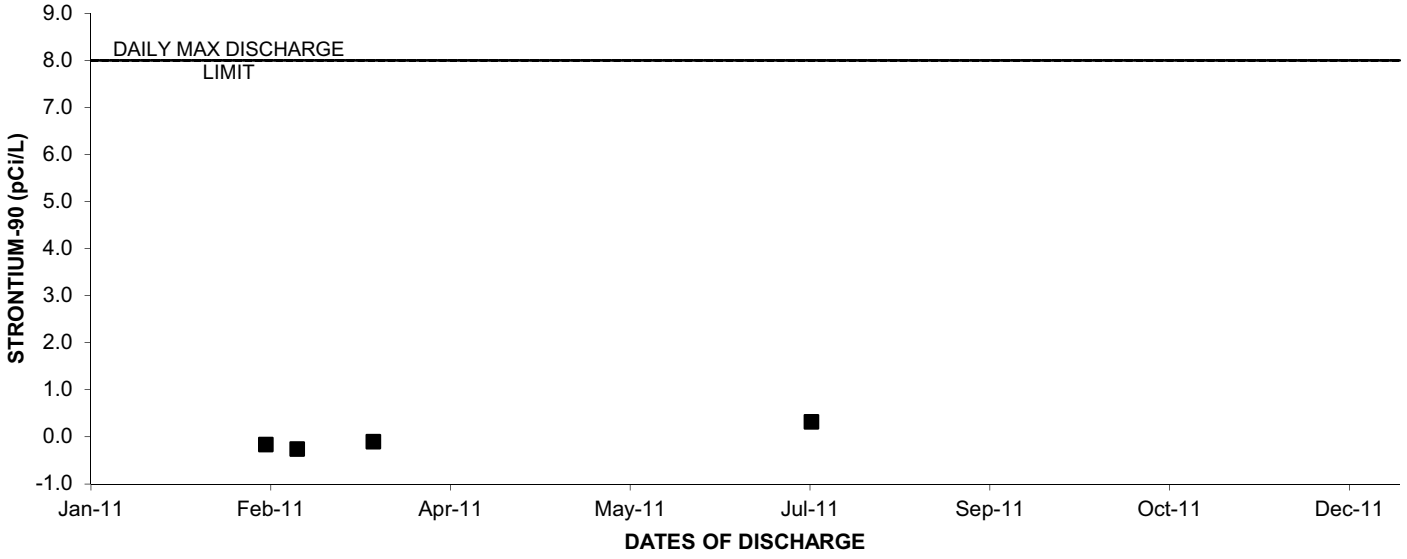
2011: OUTFALL 018 GROSS ALPHA



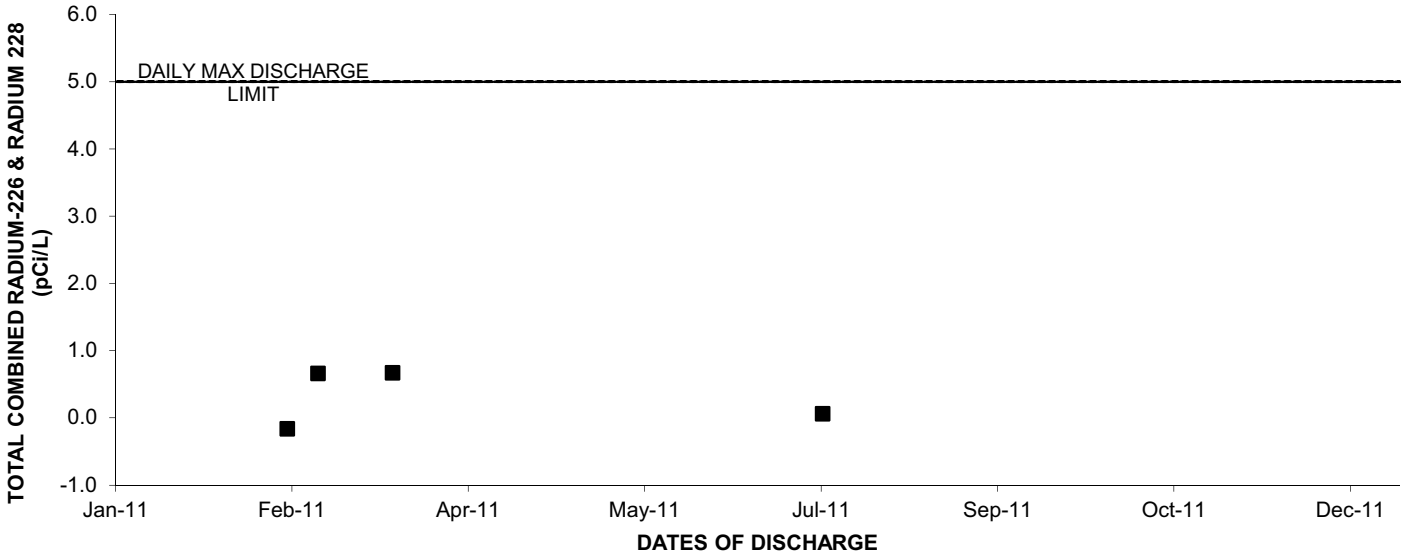
2011: OUTFALL 018 GROSS BETA



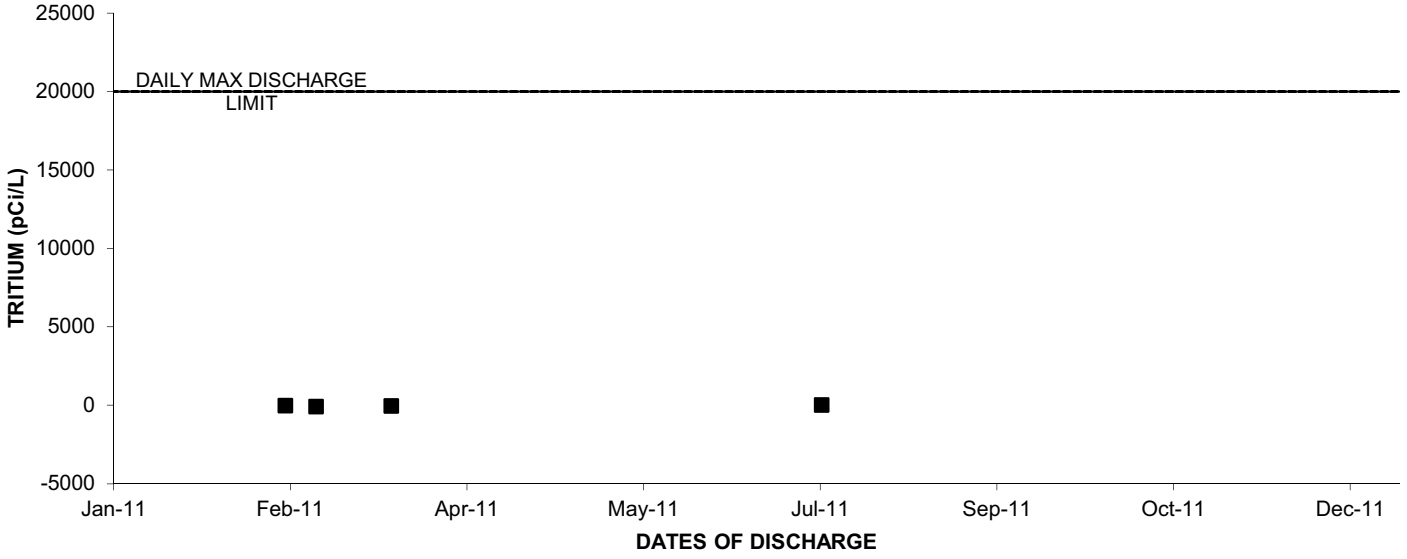
2011: OUTFALL 018 STRONTIUM-90



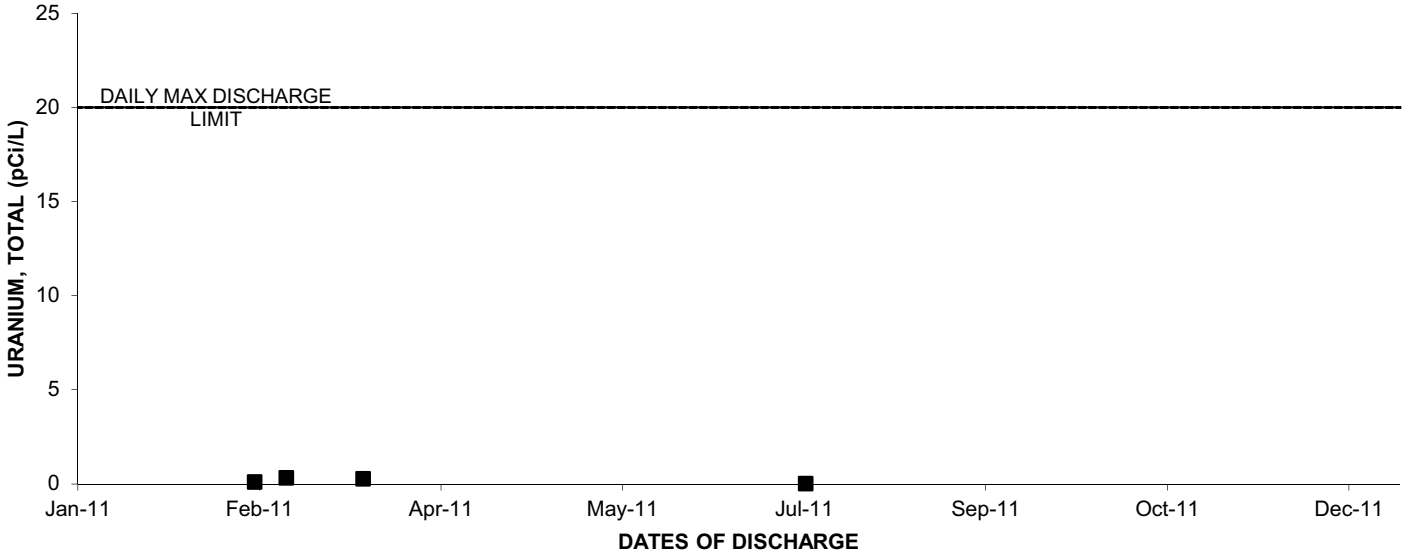
2011: OUTFALL 018 TOTAL COMBINED RADIUM-226 & RADIUM 228



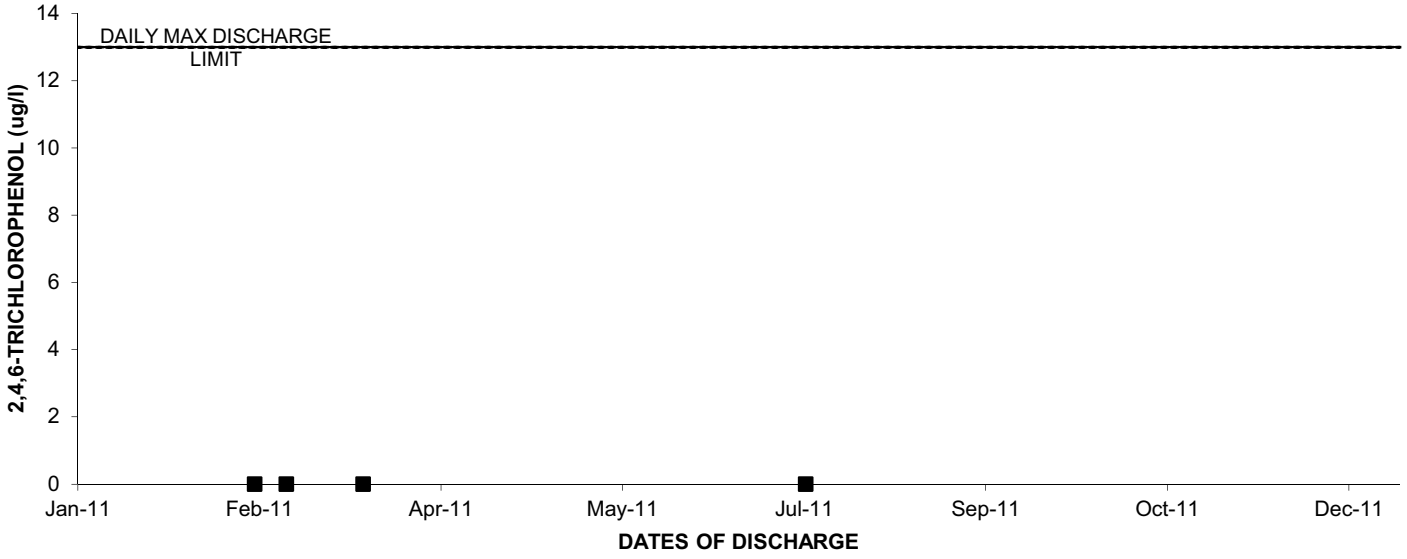
2011: OUTFALL 018 TRITIUM



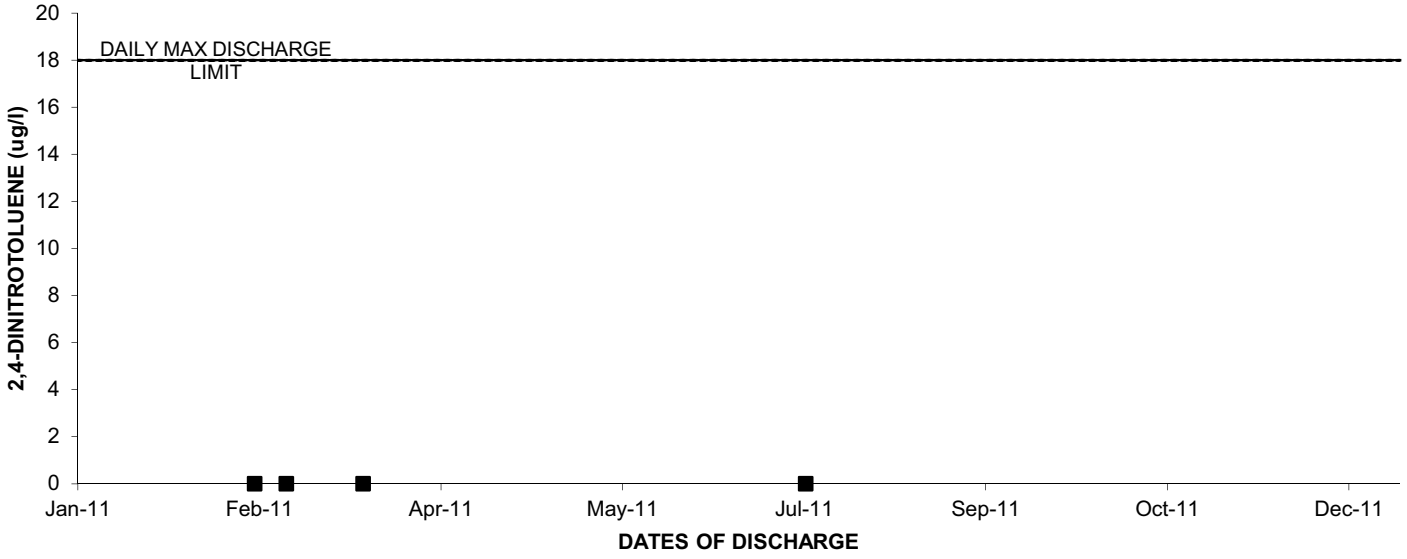
2011: OUTFALL 018 URANIUM, TOTAL



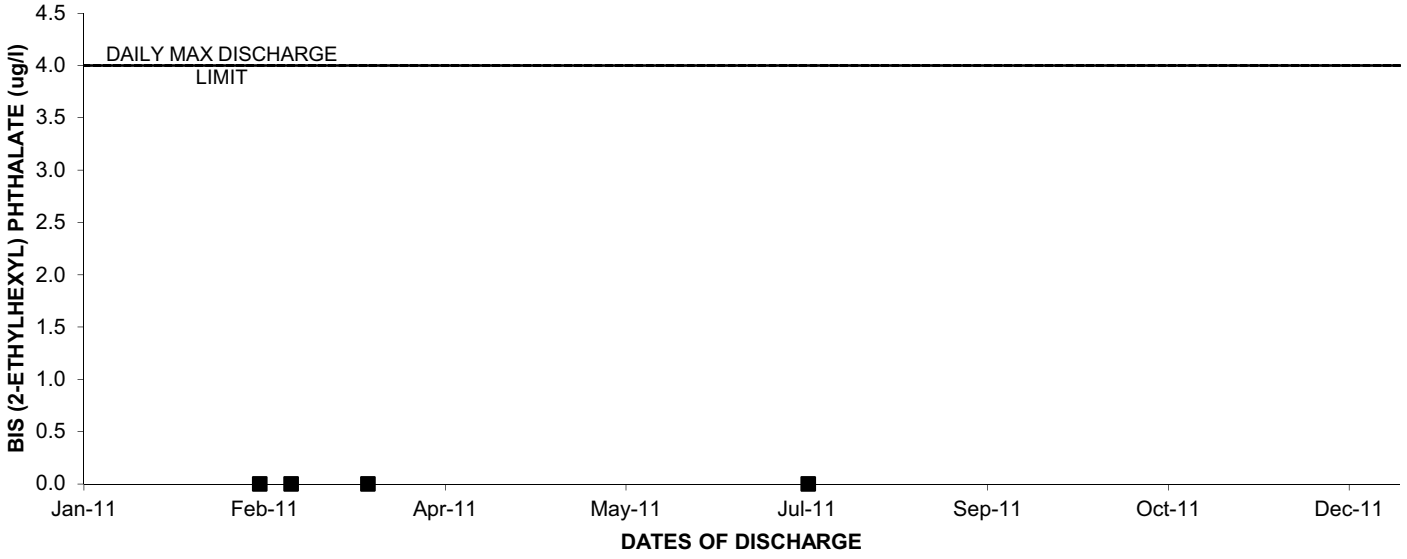
2011: OUTFALL 018 2,4,6-TRICHLOROPHENOL



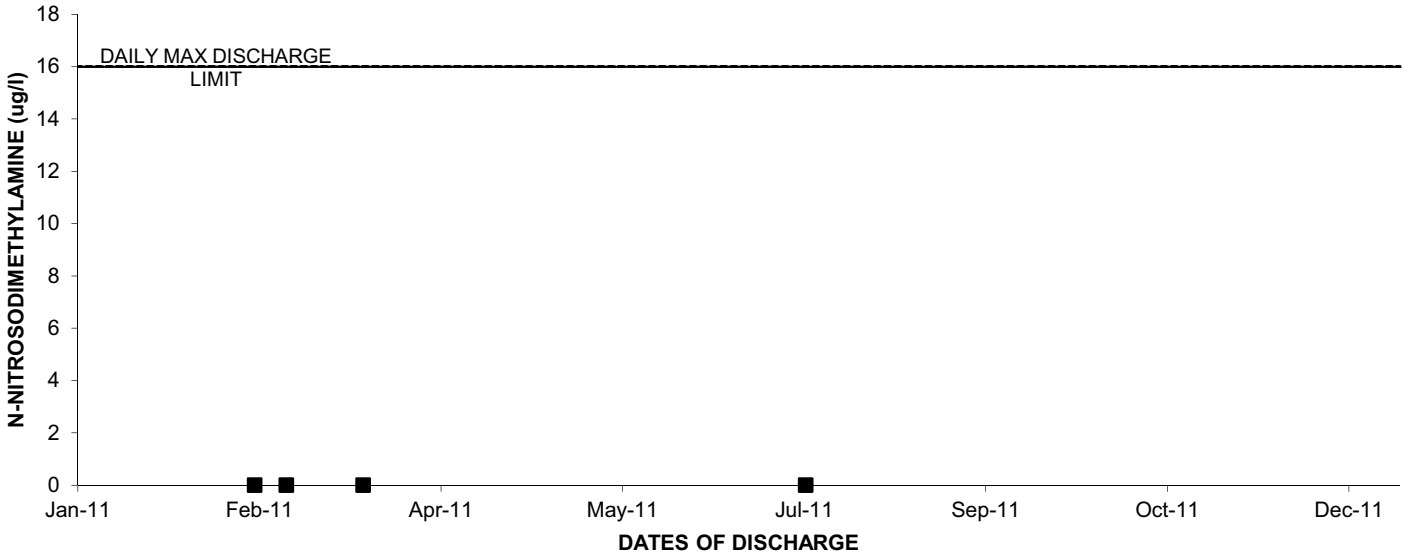
2011: OUTFALL 018 2,4-DINITROTOLUENE



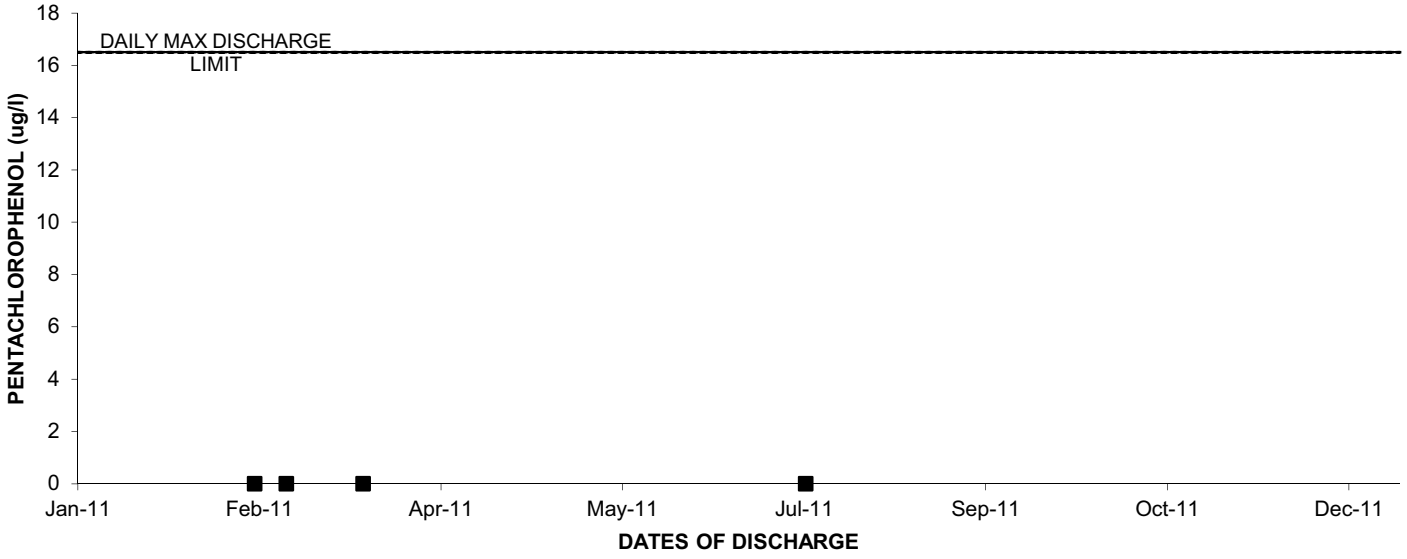
2011: OUTFALL 018 BIS (2-ETHYLHEXYL) PHTHALATE



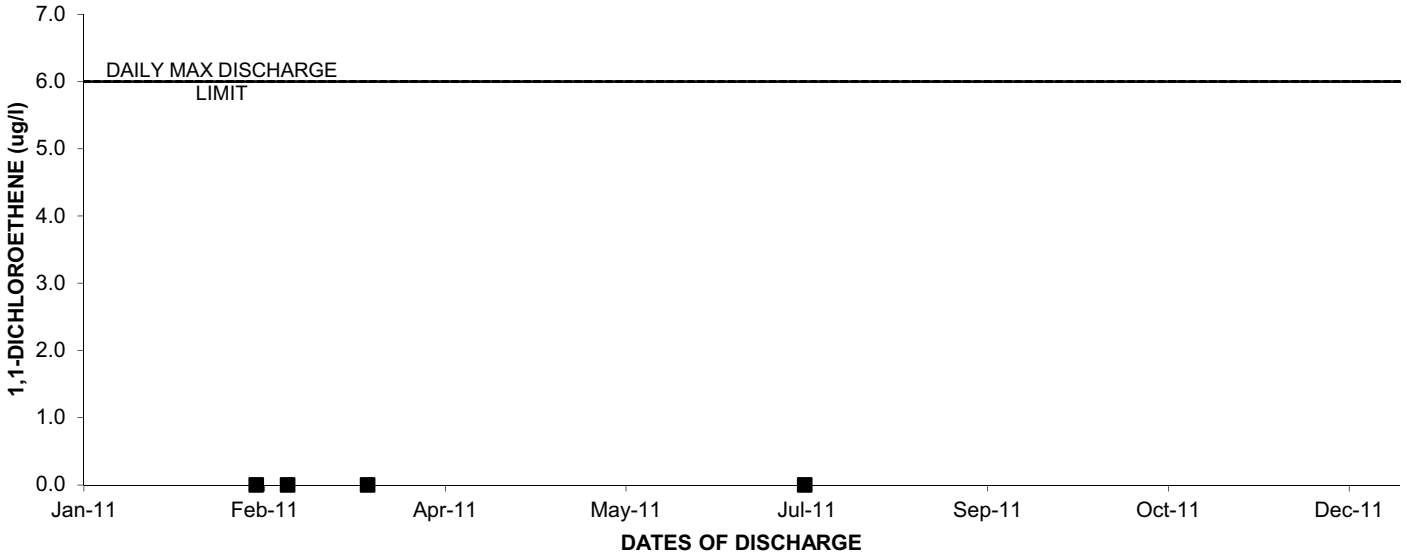
2011: OUTFALL 018 N-NITROSODIMETHYLAMINE



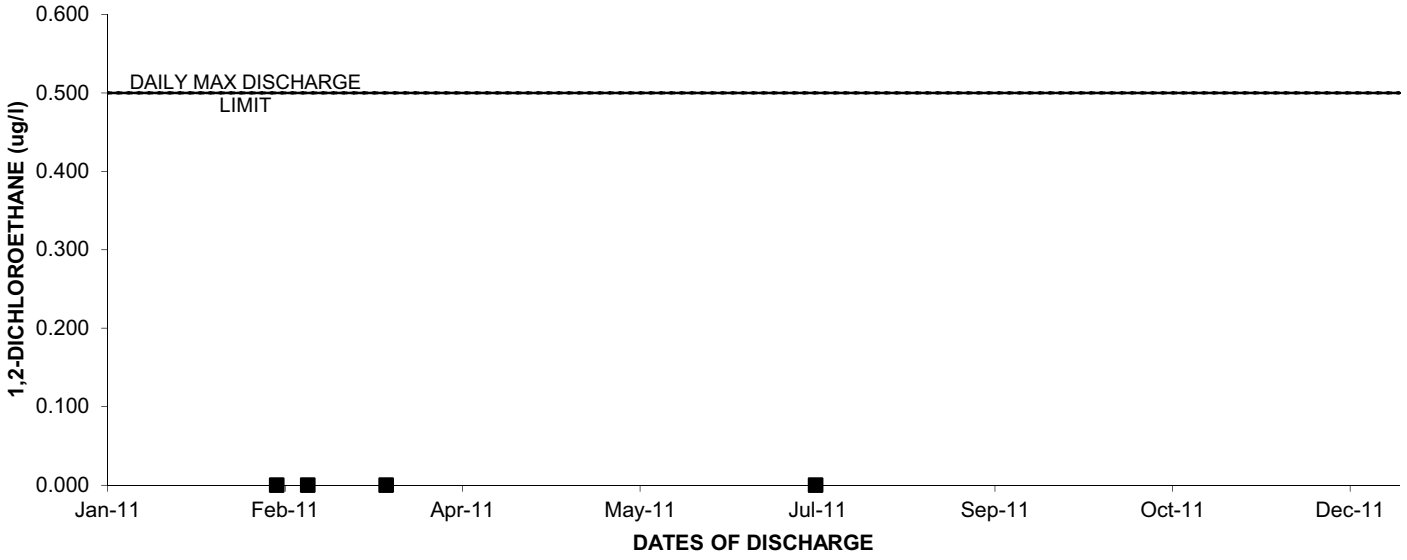
2011: OUTFALL 018 PENTACHLOROPHENOL

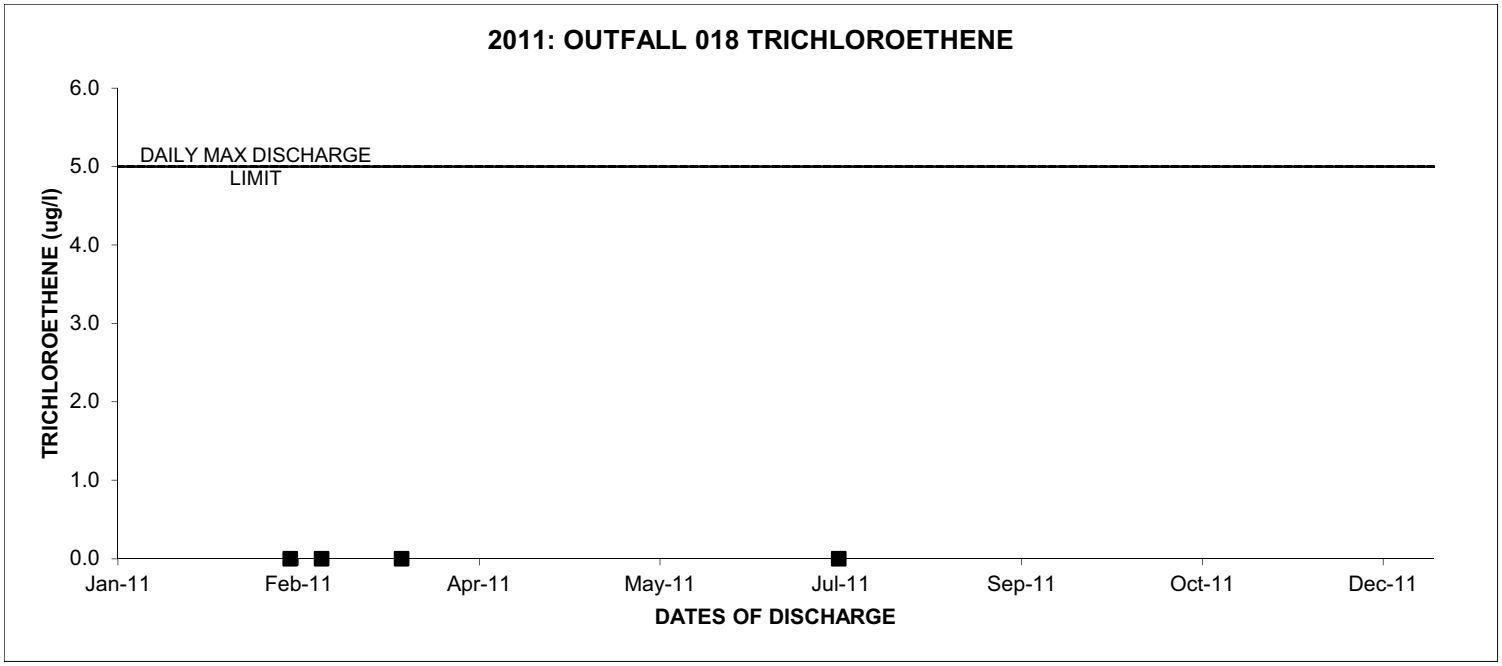


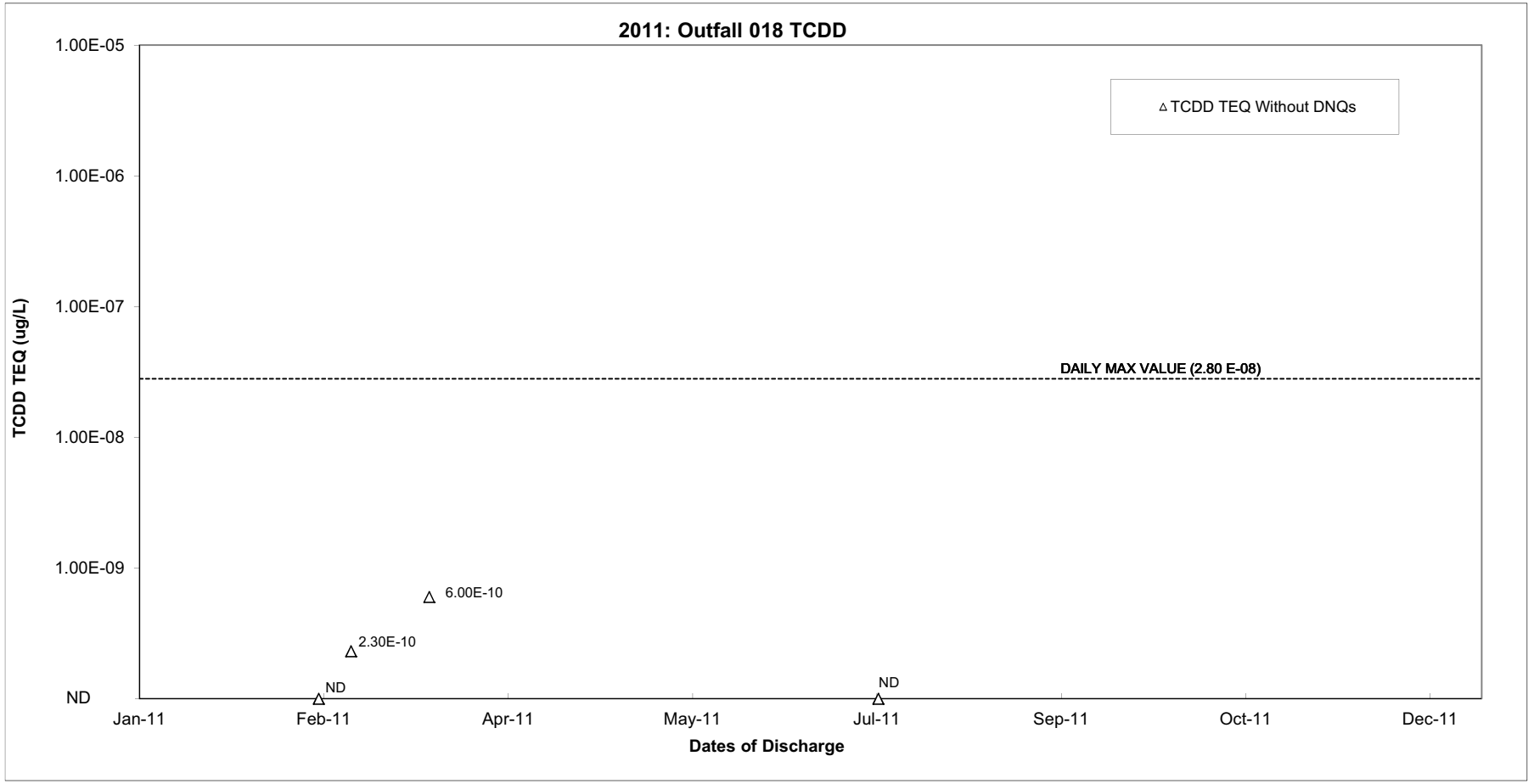
2011: OUTFALL 018 1,1-DICHLOROETHENE



2011: OUTFALL 018 1,2-DICHLOROETHANE




2011: OUTFALL 018 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 018 TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
6.00E-10
2.30E-10
ND
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 9

OUTFALL 019 (TREATMENT SYSTEM)
ANNUAL 2011 REPORTING SUMMARY

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	51	*
Dissolved Oxygen	mg/L	-/-	Grab	4.50	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	760	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.069	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	6.8	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	100	*
Temperature	deg. F	86/-	Grab	50	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	410	*
Hardness	mg/L	-/-	Comp	40	--
Hardness, dissolved	mg/L	-/-	Comp	38	--
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.50	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.26	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.0004	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	16	--
Calcium, Dissolved	mg/L	-/-	Comp	15	--
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	2.61	*
Copper, dissolved	ug/L	-/-	Comp	1.12	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	0.056	--
Magnesium, Dissolved	mg/L	-/-	Comp	0.058	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	50.2	--
Zinc, Dissolved	ug/L	-/-	Comp	56.0	--
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0943	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.189	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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			01/06/2011-01/07/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	95	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0943	L* (L)
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0943	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	1.1	Ja* (DNQ)
Chloride	mg/L	150/-	Comp	110	*
Dissolved Oxygen	mg/L	-/-	Grab	10.97	*
E. Coli	MPN/100 ml	-/-	Grab	ND < 2.00	*
Fecal Coliform	MPN/100 ml	-/-	Grab	ND < 2.00	*
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	0.058	Ja* (DNQ)
Fluoride	mg/L	1.6/-	Comp	0.35	*
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.095	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	97	*
Temperature	deg. F	86/-	Grab	51	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	500	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	Comp	120	*
Total Organic Carbon	mg/L	-/-	Comp	4.3	--
Total Residual Chlorine (Field)	mg/L	0.1/-	Grab	0.0	*
Total Suspended Solids	mg/L	45/15	Comp	1.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	0.90	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.0004	*
METALS					
Antimony	ug/L	6.0/-	Comp	ND < 0.30	*
Antimony, dissolved	ug/L	-/-	Comp	0.75	Ja* (DNQ)
Arsenic	ug/L	10/-	Comp	ND < 7.0	U
Arsenic, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Barium	mg/L	1.0/-	Comp	0.0081	J (DNQ)
Barium, dissolved	mg/L	-/-	Comp	0.0088	J (DNQ)
Beryllium	ug/L	4.0/-	Comp	ND < 0.90	U
Beryllium, dissolved	ug/L	-/-	Comp	ND < 0.90	U
Boron	mg/L	-/-	Comp	0.064	--
Boron, dissolved	mg/L	-/-	Comp	0.066	--

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	Comp	50	--
Chromium	ug/L	16/8	Comp	ND < 2.0	U
Chromium, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Chromium VI	ug/L	16/8	Comp	ND < 0.250	*
Cobalt	ug/L	-/-	Comp	ND < 2.0	U
Cobalt, dissolved	ug/L	-/-	Comp	ND < 2.0	U
Copper	ug/L	14/7.1	Comp	2.02	*
Copper, dissolved	ug/L	-/-	Comp	1.25	Ja* (DNQ)
Iron	mg/L	0.3/-	Comp	0.075	--
Iron, dissolved	mg/L	-/-	Comp	0.064	--
Lead	ug/L	5.2/2.6	Comp	0.24	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	Comp	0.10	--
Manganese	ug/L	50/-	Comp	ND < 7.0	U
Manganese, dissolved	ug/L	-/-	Comp	ND < 7.0	U
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	Comp	2.9	J (DNQ)
Nickel, dissolved	ug/L	-/-	Comp	2.4	J (DNQ)
Selenium	ug/L	(5) 8.2/4.1	Comp	0.65	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	Comp	ND < 0.10	*
Silver, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Thallium	ug/L	2.0/-	Comp	ND < 0.20	*
Thallium, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Vanadium	ug/L	-/-	Comp	ND < 3.0	U
Vanadium, dissolved	ug/L	-/-	Comp	ND < 3.0	U
Zinc	ug/L	119/54	Comp	42.5	--
Zinc, Dissolved	ug/L	-/-	Comp	ND < 42.0	U (B)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	Comp	ND < 1.0	*
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	C*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	Grab	ND < 0.094	*
GRO (C4 - C12)	mg/L	-/-	Grab	ND < 0.025	*
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	Grab	ND < 1.1	*
1,2,4-Trichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.32	*
1,2-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,2-Dichloropropane	ug/L	-/-	Grab	ND < 0.35	*
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	Comp	ND < 0.0943	UJ (C)
1,3-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.35	*
1,3-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
1,4-Dichlorobenzene	ug/L	-/-	Grab	ND < 0.37	*
1,4-Dichlorobenzene	ug/L	-/-	Comp	ND < 0.189	U
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0943	U
2,4-Dichlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2,4-Dimethylphenol	ug/L	-/-	Comp	ND < 0.283	U
2,4-Dinitrophenol	ug/L	-/-	Comp	ND < 0.849	U
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.189	U
2,6-Dinitrotoluene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chloroethylvinylether	ug/L	-/-	Grab	ND < 1.8	*
2-Chloronaphthalene	ug/L	-/-	Comp	ND < 0.0943	U
2-Chlorophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Methyl-4,6-dinitrophenol	ug/L	-/-	Comp	ND < 0.189	U
2-Nitrophenol	ug/L	-/-	Comp	ND < 0.0943	U
3,3'-Dichlorobenzidine	ug/L	-/-	Comp	ND < 4.72	U

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
4,4'-DDD	ug/L	-/-	Comp	ND < 0.0038	*
4,4'-DDE	ug/L	-/-	Comp	ND < 0.0028	*
4,4'-DDT	ug/L	-/-	Comp	ND < 0.0038	*
4-Bromophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Chloro-3-methylphenol	ug/L	-/-	Comp	ND < 0.189	U
4-Chlorophenylphenylether	ug/L	-/-	Comp	ND < 0.0943	U
4-Nitrophenol	ug/L	-/-	Comp	ND < 2.36	U
Acenaphthene	ug/L	-/-	Comp	ND < 0.0943	U
Acenaphthylene	ug/L	-/-	Comp	ND < 0.0943	U
Acrolein	ug/L	-/-	Grab	ND < 4.0	*
Acrylonitrile	ug/L	-/-	Grab	ND < 1.2	*
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	Comp	ND < 0.0014	*
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Aroclor-1016	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1221	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1232	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1242	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1248	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1254	ug/L	-/-	Comp	ND < 0.24	*
Aroclor-1260	ug/L	-/-	Comp	ND < 0.24	*
Benzidine	ug/L	-/-	Comp	ND < 4.72	U
Benzo(a)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(a)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(b)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(g,h,I)perylene	ug/L	-/-	Comp	ND < 0.0943	U
Benzo(k)fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
beta-BHC	ug/L	-/-	Comp	ND < 0.0038	*
bis (2-Chloroethyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.60	U
bis(2-Chloroethoxy) methane	ug/L	-/-	Comp	ND < 0.0943	U
bis(2-Chloroisopropyl) ether	ug/L	-/-	Comp	ND < 0.0943	U
Bromodichloromethane	ug/L	-/-	Grab	ND < 0.30	*
Bromoform	ug/L	-/-	Grab	ND < 0.40	*
Bromomethane	ug/L	-/-	Grab	ND < 0.42	*
Butylbenzylphthalate	ug/L	-/-	Comp	ND < 4.72	U (B)
Chlordane	ug/L	-/-	Comp	ND < 0.075	*
Chlorobenzene	ug/L	-/-	Grab	ND < 0.36	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Chloroethane	ug/L	-/-	Grab	ND < 0.40	*
Chloromethane	ug/L	-/-	Grab	ND < 0.40	*
Chronic Toxicity	TUC	1.0/-	Comp	1.0	*
Chrysene	ug/L	-/-	Comp	ND < 0.0943	U
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.22	C*
Cyclohexane	ug/L	-/-	Grab	ND < 0.40	*
delta-BHC	ug/L	-/-	Comp	ND < 0.0033	*
Dibenzo(a,h)anthracene	ug/L	-/-	Comp	ND < 0.0943	U
Dibromochloromethane	ug/L	-/-	Grab	ND < 0.40	*
Dieldrin	ug/L	-/-	Comp	ND < 0.0019	*
Diethylphthalate	ug/L	-/-	Comp	0.226	J (DNQ)
Dimethylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Di-n-butylphthalate	ug/L	-/-	Comp	ND < 0.189	U
Di-n-octylphthalate	ug/L	-/-	Comp	ND < 0.0943	U
Endosulfan I	ug/L	-/-	Comp	ND < 0.0019	*
Endosulfan II	ug/L	-/-	Comp	ND < 0.0028	*
Endosulfan sulfate	ug/L	-/-	Comp	ND < 0.0028	*
Endrin	ug/L	-/-	Comp	ND < 0.0019	*
Endrin aldehyde	ug/L	-/-	Comp	ND < 0.0019	*
Fluoranthene	ug/L	-/-	Comp	ND < 0.0943	U
Fluorene	ug/L	-/-	Comp	ND < 0.0943	U
Heptachlor	ug/L	-/-	Comp	ND < 0.0028	*
Heptachlor epoxide	ug/L	-/-	Comp	ND < 0.0024	*
Hexachlorobenzene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachlorobutadiene	ug/L	-/-	Comp	ND < 0.189	U
Hexachlorocyclopentadiene	ug/L	-/-	Comp	ND < 0.0943	U
Hexachloroethane	ug/L	-/-	Comp	ND < 0.189	U
Hydrazine	ug/L	-/-	Comp	ND < 0.439	U
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	Comp	ND < 1.13	U
Indeno(1,2,3-cd)pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Isophorone	ug/L	-/-	Comp	ND < 0.0943	U
Lindane (gamma-BHC)	ug/L	-/-	Comp	ND < 0.0028	*
Methylene Chloride	ug/L	-/-	Grab	ND < 0.95	*
Monomethyl Hydrazine	ug/L	-/-	Comp	ND < 1.77	U
Naphthalene	ug/L	-/-	Comp	0.151	J (DNQ)
Nitrobenzene	ug/L	-/-	Comp	ND < 0.0943	U
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0943	U
n-Nitroso-di-n-propylamine	ug/L	-/-	Comp	ND < 0.0943	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[(a)] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
n-Nitrosodiphenylamine	ug/L	-/-	Comp	ND < 0.0943	U
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0943	U
Phenanthrene	ug/L	-/-	Comp	ND < 0.0943	U
Phenol	ug/L	-/-	Comp	ND < 0.283	U
Pyrene	ug/L	-/-	Comp	ND < 0.0943	U
Toxaphene	ug/L	-/-	Comp	ND < 0.24	*
trans-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.30	*
trans-1,3-Dichloropropene	ug/L	-/-	Grab	ND < 0.32	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
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			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	ANR	ANR	ANR
Chloride	mg/L	150/-	Comp	100	*
Dissolved Oxygen	mg/L	-/-	Grab	2.09	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	990	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.093	Ja* (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.90	*
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	99	*
Temperature	deg. F	86/-	Grab	68	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	490	*
Hardness	mg/L	-/-	Comp	120	*
Hardness, dissolved	mg/L	-/-	Comp	120	--
Total Organic Carbon	mg/L	-/-	Comp	2.6	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	1.0	Ja* (DNQ)
Turbidity	NTU	-/-	Comp	0.10	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.100608	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	0.18	Ja* (DNQ)
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	46	--
Calcium, Dissolved	mg/L	-/-	Comp	46	--
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	0.77	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	0.63	Ja*
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.27	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	0.56	--
Magnesium, Dissolved	mg/L	-/-	Comp	0.55	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	0.59	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	37	--
Zinc, Dissolved	ug/L	-/-	Comp	31	--
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.6	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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THE BOEING COMPANY
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			06/01/2011-06/02/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			06/01/2011-06/02/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Grab	2.6	*
Chloride	mg/L	150/-	ANR	ANR	ANR
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	ANR	ANR	ANR
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	mg/L	8/-	ANR	ANR	ANR
Nitrite-N	mg/L	1/-	ANR	ANR	ANR
Oil & Grease	mg/L	15/10	ANR	ANR	ANR
Perchlorate	ug/L	6.0/-	ANR	ANR	ANR
pH (Field)	pH units	6.5-8.5/-	ANR	ANR	ANR
Total Settleable Solids	ml/L	0.3/0.1	ANR	ANR	ANR
Sulfate	mg/L	300/-	ANR	ANR	ANR
Temperature	deg. F	86/-	ANR	ANR	ANR
Total Cyanide	ug/L	8.5/4.3	ANR	ANR	ANR
Total Dissolved Solids	mg/L	950/-	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	ANR	ANR	ANR
Turbidity	NTU	-/-	ANR	ANR	ANR
Volume Discharged	MGD	160/-	Meas	0.08801905	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	ANR	ANR	ANR
Cadmium, dissolved	ug/L	-/-	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	ANR	ANR	ANR
Copper, dissolved	ug/L	-/-	ANR	ANR	ANR
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	ANR	ANR	ANR
Lead, dissolved	ug/L	-/-	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	ANR	ANR	ANR
Mercury, dissolved	ug/L	-/-	ANR	ANR	ANR
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	ANR	ANR	ANR
Selenium, dissolved	ug/L	-/-	ANR	ANR	ANR
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	ANR	ANR	ANR
Zinc, Dissolved	ug/L	-/-	ANR	ANR	ANR
ORGANICS					
Benzene	ug/L	-/-	ANR	ANR	ANR
Carbon Tetrachloride	ug/L	-/-	ANR	ANR	ANR
Chloroform	ug/L	-/-	ANR	ANR	ANR
1,1-Dichloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloroethane	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	ANR	ANR	ANR
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	ANR	ANR	ANR
Tetrachloroethene	ug/L	-/-	ANR	ANR	ANR
Toluene	ug/L	-/-	ANR	ANR	ANR
Xylenes (Total)	ug/L	-/-	ANR	ANR	ANR
1,1,1-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
1,1,2-Trichloroethane	ug/L	-/-	ANR	ANR	ANR
Trichloroethene	ug/L	5.0/-	ANR	ANR	ANR
Trichlorofluoromethane	ug/L	-/-	ANR	ANR	ANR
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	ANR	ANR	ANR
Vinyl Chloride	ug/L	-/-	ANR	ANR	ANR
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	ANR	ANR	ANR
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	ANR	ANR	ANR
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	ANR	ANR	ANR
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	ANR	ANR	ANR
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	ANR	ANR	ANR
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	ANR	ANR	ANR
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	120	*
Dissolved Oxygen	mg/L	-/-	Grab	8.36	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	930	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.5	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	120	*
Temperature	deg. F	86/-	Grab	72	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	650	*
Hardness	mg/L	-/-	Comp	390	--
Hardness, dissolved	mg/L	-/-	Comp	430	--
Total Organic Carbon	mg/L	-/-	Comp	5.1	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	ND < 0.040	*
Volume Discharged	MGD	160/-	Meas	0.049	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

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			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	120	--
Calcium, Dissolved	mg/L	-/-	Comp	130	--
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	ND < 0.500	*
Copper, dissolved	ug/L	-/-	Comp	0.613	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	Comp	21	--
Magnesium, Dissolved	mg/L	-/-	Comp	24	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	ND < 6.00	U
Zinc, Dissolved	ug/L	-/-	Comp	6.79	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.100	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.200	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.70	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			08/10/2011-08/11/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.100	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
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			08/10/2011-08/11/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.100	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.500	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	170	--
Dissolved Oxygen	mg/L	-/-	Grab	6.82	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	U
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.092	J (DNQ)
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	U
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.6	*
Total Settleable Solids	ml/L	0.3/0.1	Comp	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	140	--
Temperature	deg. F	86/-	Grab	77	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	740	*
Hardness	mg/L	-/-	Comp	460	--
Hardness, dissolved	mg/L	-/-	Comp	460	--
Total Organic Carbon	mg/L	-/-	Comp	3.3	--
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.060	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.014028	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

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THE BOEING COMPANY
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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	150	--
Calcium, Dissolved	mg/L	-/-	Comp	150	--
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	ND < 0.500	*
Copper, dissolved	ug/L	-/-	Comp	0.796	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.22	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	0.20	Ja*
Magnesium	mg/L	-/-	Comp	19	--
Magnesium, Dissolved	mg/L	-/-	Comp	19	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	0.53	Ja* (DNQ)
Selenium, dissolved	ug/L	-/-	Comp	0.51	Ja*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	7.67	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	7.28	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

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SANTA SUSANA FIELD LABORATORY
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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	ND < 1.62	*
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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THE BOEING COMPANY
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January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0952	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	0.840	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	250	--
Dissolved Oxygen	mg/L	-/-	Grab	4.53	*
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	Grab	1100	--
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.75	U
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	0.13	J (Q)
Nitrite-N	mg/L	1/-	Comp	ND < 0.45	U
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	6.9	*
Total Settleable Solids	ml/L	0.3/0.1	Grab	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	150	J (Q)
Temperature	deg. F	86/-	Grab	76	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	1100	--
Hardness	mg/L	-/-	Comp	630	--
Hardness, dissolved	mg/L	-/-	Comp	580	--
Total Organic Carbon	mg/L	-/-	Comp	0.55	J (DNQ)
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.070	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.028437	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	Comp	210	--
Calcium, Dissolved	mg/L	-/-	Comp	200	--
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	ND < 0.50	*
Copper, dissolved	ug/L	-/-	Comp	0.79	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	0.37	Ja* (DNQ)
Lead, dissolved	ug/L	-/-	Comp	0.32	Ja* (DNQ)
Magnesium	mg/L	-/-	Comp	24	--
Magnesium, Dissolved	mg/L	-/-	Comp	23	--
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	11.6	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	12.1	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	L, C*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
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January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	L*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	L*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.0952	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.190	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

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4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	Comp	100	*
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	1.70	B, Ja* (DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

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ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.0952	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

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January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.0952	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

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January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Ammonia as Nitrogen (N)	mg/L	10.1/1.96	Comp	ND < 0.50	*
Biochemical Oxygen Demand (BOD 5 day)	mg/L	30/20	Comp	ND < 0.50	*
Chloride	mg/L	150/-	Comp	34	*
Dissolved Oxygen	mg/L	-/-	ANR	ANR	ANR
E. Coli	MPN/100 ml	-/-	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	-/-	ANR	ANR	ANR
Specific Conductivity (Lab)	umhos/cm	-/-	ANR	ANR	ANR
Surfactants (MBAS)	mg/L	0.5/-	Comp	ND < 0.050	*
Fluoride	mg/L	1.6/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.15	*
Nitrate as Nitrogen (N)	mg/L	8/-	Comp	ND < 0.060	*
Nitrite-N	mg/L	1/-	Comp	ND < 0.090	*
Oil & Grease	mg/L	15/10	Grab	ND < 1.3	*
Perchlorate	ug/L	6.0/-	Comp	ND < 0.95	U
pH (Field)	pH units	6.5-8.5/-	Grab	7.1	*
Total Settleable Solids	ml/L	0.3/0.1	Comp	ND < 0.10	*
Sulfate	mg/L	300/-	Comp	150	*
Temperature	deg. F	86/-	Grab	57	*
Total Cyanide	ug/L	8.5/4.3	Comp	ND < 2.2	*
Total Dissolved Solids	mg/L	950/-	Comp	490	*
Hardness	mg/L	-/-	ANR	ANR	ANR
Hardness, dissolved	mg/L	-/-	ANR	ANR	ANR
Total Organic Carbon	mg/L	-/-	Comp	ND < 0.50	*
Total Residual Chlorine (Field)	mg/L	0.1/-	ANR	ANR	ANR
Total Suspended Solids	mg/L	45/15	Comp	ND < 1.0	*
Turbidity	NTU	-/-	Comp	0.11	J (DNQ)
Volume Discharged	MGD	160/-	Meas	0.029277	*
METALS					
Antimony	ug/L	6.0/-	ANR	ANR	ANR
Antimony, dissolved	ug/L	-/-	ANR	ANR	ANR
Arsenic	ug/L	10/-	ANR	ANR	ANR
Arsenic, dissolved	ug/L	-/-	ANR	ANR	ANR
Barium	mg/L	1.0/-	ANR	ANR	ANR
Barium, dissolved	mg/L	-/-	ANR	ANR	ANR
Beryllium	ug/L	4.0/-	ANR	ANR	ANR
Beryllium, dissolved	ug/L	-/-	ANR	ANR	ANR
Boron	mg/L	-/-	ANR	ANR	ANR
Boron, dissolved	mg/L	-/-	ANR	ANR	ANR

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NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Cadmium	ug/L	(4.0) 3.1/2.0	Comp	ND < 0.10	*
Cadmium, dissolved	ug/L	-/-	Comp	ND < 0.10	*
Calcium	mg/L	-/-	ANR	ANR	ANR
Calcium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Chromium	ug/L	16/8	ANR	ANR	ANR
Chromium, dissolved	ug/L	-/-	ANR	ANR	ANR
Chromium VI	ug/L	16/8	ANR	ANR	ANR
Cobalt	ug/L	-/-	ANR	ANR	ANR
Cobalt, dissolved	ug/L	-/-	ANR	ANR	ANR
Copper	ug/L	14/7.1	Comp	0.58	Ja* (DNQ)
Copper, dissolved	ug/L	-/-	Comp	0.73	Ja* (DNQ)
Iron	mg/L	0.3/-	ANR	ANR	ANR
Iron, dissolved	mg/L	-/-	ANR	ANR	ANR
Lead	ug/L	5.2/2.6	Comp	ND < 0.20	*
Lead, dissolved	ug/L	-/-	Comp	ND < 0.20	*
Magnesium	mg/L	-/-	ANR	ANR	ANR
Magnesium, Dissolved	mg/L	-/-	ANR	ANR	ANR
Manganese	ug/L	50/-	ANR	ANR	ANR
Manganese, dissolved	ug/L	-/-	ANR	ANR	ANR
Mercury	ug/L	0.10/0.05	Comp	ND < 0.10	U
Mercury, dissolved	ug/L	-/-	Comp	ND < 0.10	U
Nickel	ug/L	96/35	ANR	ANR	ANR
Nickel, dissolved	ug/L	-/-	ANR	ANR	ANR
Selenium	ug/L	(5) 8.2/4.1	Comp	ND < 0.50	*
Selenium, dissolved	ug/L	-/-	Comp	ND < 0.50	*
Silver	ug/L	4.1/2.0	ANR	ANR	ANR
Silver, dissolved	ug/L	-/-	ANR	ANR	ANR
Thallium	ug/L	2.0/-	ANR	ANR	ANR
Thallium, dissolved	ug/L	-/-	ANR	ANR	ANR
Vanadium	ug/L	-/-	ANR	ANR	ANR
Vanadium, dissolved	ug/L	-/-	ANR	ANR	ANR
Zinc	ug/L	119/54	Comp	6.6	J (DNQ)
Zinc, Dissolved	ug/L	-/-	Comp	8.2	J (DNQ)
ORGANICS					
Benzene	ug/L	-/-	Grab	ND < 0.28	*
Carbon Tetrachloride	ug/L	-/-	Grab	ND < 0.28	*
Chloroform	ug/L	-/-	Grab	ND < 0.33	*
1,1-Dichloroethane	ug/L	-/-	Grab	ND < 0.40	*
1,2-Dichloroethane	ug/L	-/-	Grab	ND < 0.28	*

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January 1 through December 31, 2011

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ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
1,1-Dichloroethene	ug/L	6.0/3.2	Grab	ND < 0.42	*
1,4-Dioxane	ug/L	-/-	ANR	ANR	ANR
Ethylbenzene	ug/L	-/-	Grab	ND < 0.25	*
Tetrachloroethene	ug/L	-/-	Grab	ND < 0.32	*
Toluene	ug/L	-/-	Grab	ND < 0.36	*
Xylenes (Total)	ug/L	-/-	Grab	ND < 0.90	*
1,1,1-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
1,1,2-Trichloroethane	ug/L	-/-	Grab	ND < 0.30	*
Trichloroethene	ug/L	5.0/-	Grab	ND < 0.26	*
Trichlorofluoromethane	ug/L	-/-	Grab	ND < 0.34	*
Trichlorotrifluoroethane (Freon 113)	ug/L	-/-	Grab	ND < 0.50	*
Vinyl Chloride	ug/L	-/-	Grab	ND < 0.40	*
TPH					
DRO (C13 - C28)	mg/L	-/-	ANR	ANR	ANR
GRO (C4 - C12)	mg/L	-/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
1,1,2,2-Tetrachloroethane	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloro-1,1,2-trifluoroethane	ug/L	-/-	ANR	ANR	ANR
1,2,4-Trichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,2-Dichloropropane	ug/L	-/-	ANR	ANR	ANR
1,2-Diphenylhydrazine/Azobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,3-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
1,4-Dichlorobenzene	ug/L	-/-	ANR	ANR	ANR
2,4,6-Trichlorophenol	ug/L	13/6.5	Comp	ND < 0.094	*
2,4-Dichlorophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dimethylphenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2,4-Dinitrotoluene	ug/L	18/9.1	Comp	ND < 0.19	*
2,6-Dinitrotoluene	ug/L	-/-	ANR	ANR	ANR
2-Chloroethylvinylether	ug/L	-/-	ANR	ANR	ANR
2-Chloronaphthalene	ug/L	-/-	ANR	ANR	ANR
2-Chlorophenol	ug/L	-/-	ANR	ANR	ANR
2-Methyl-4,6-dinitrophenol	ug/L	-/-	ANR	ANR	ANR
2-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
3,3'-Dichlorobenzidine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
4,4'-DDD	ug/L	-/-	ANR	ANR	ANR
4,4'-DDE	ug/L	-/-	ANR	ANR	ANR
4,4'-DDT	ug/L	-/-	ANR	ANR	ANR
4-Bromophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Chloro-3-methylphenol	ug/L	-/-	ANR	ANR	ANR
4-Chlorophenylphenylether	ug/L	-/-	ANR	ANR	ANR
4-Nitrophenol	ug/L	-/-	ANR	ANR	ANR
Acenaphthene	ug/L	-/-	ANR	ANR	ANR
Acenaphthylene	ug/L	-/-	ANR	ANR	ANR
Acrolein	ug/L	-/-	ANR	ANR	ANR
Acrylonitrile	ug/L	-/-	ANR	ANR	ANR
Acute Toxicity	% SURVIVAL	70-100/-	ANR	ANR	ANR
Aldrin	ug/L	-/-	ANR	ANR	ANR
alpha-BHC	ug/L	0.03/0.01	Comp	ND < 0.0024	*
Anthracene	ug/L	-/-	ANR	ANR	ANR
Aroclor-1016	ug/L	-/-	ANR	ANR	ANR
Aroclor-1221	ug/L	-/-	ANR	ANR	ANR
Aroclor-1232	ug/L	-/-	ANR	ANR	ANR
Aroclor-1242	ug/L	-/-	ANR	ANR	ANR
Aroclor-1248	ug/L	-/-	ANR	ANR	ANR
Aroclor-1254	ug/L	-/-	ANR	ANR	ANR
Aroclor-1260	ug/L	-/-	ANR	ANR	ANR
Benzidine	ug/L	-/-	ANR	ANR	ANR
Benzo(a)anthracene	ug/L	-/-	ANR	ANR	ANR
Benzo(a)pyrene	ug/L	-/-	ANR	ANR	ANR
Benzo(b)fluoranthene	ug/L	-/-	ANR	ANR	ANR
Benzo(g,h,I)perylene	ug/L	-/-	ANR	ANR	ANR
Benzo(k)fluoranthene	ug/L	-/-	ANR	ANR	ANR
beta-BHC	ug/L	-/-	ANR	ANR	ANR
bis (2-Chloroethyl) ether	ug/L	-/-	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	ug/L	4.0/-	Comp	2.5	B, Ja* (DNQ)
bis(2-Chloroethoxy) methane	ug/L	-/-	ANR	ANR	ANR
bis(2-Chloroisopropyl) ether	ug/L	-/-	ANR	ANR	ANR
Bromodichloromethane	ug/L	-/-	ANR	ANR	ANR
Bromoform	ug/L	-/-	ANR	ANR	ANR
Bromomethane	ug/L	-/-	ANR	ANR	ANR
Butylbenzylphthalate	ug/L	-/-	ANR	ANR	ANR
Chlordane	ug/L	-/-	ANR	ANR	ANR
Chlorobenzene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Chloroethane	ug/L	-/-	ANR	ANR	ANR
Chloromethane	ug/L	-/-	ANR	ANR	ANR
Chronic Toxicity	TUC	1.0/-	ANR	ANR	ANR
Chrysene	ug/L	-/-	ANR	ANR	ANR
cis-1,2-Dichloroethene	ug/L	-/-	Grab	ND < 0.32	*
cis-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR
Cyclohexane	ug/L	-/-	ANR	ANR	ANR
delta-BHC	ug/L	-/-	ANR	ANR	ANR
Dibenzo(a,h)anthracene	ug/L	-/-	ANR	ANR	ANR
Dibromochloromethane	ug/L	-/-	ANR	ANR	ANR
Dieldrin	ug/L	-/-	ANR	ANR	ANR
Diethylphthalate	ug/L	-/-	ANR	ANR	ANR
Dimethylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-butylphthalate	ug/L	-/-	ANR	ANR	ANR
Di-n-octylphthalate	ug/L	-/-	ANR	ANR	ANR
Endosulfan I	ug/L	-/-	ANR	ANR	ANR
Endosulfan II	ug/L	-/-	ANR	ANR	ANR
Endosulfan sulfate	ug/L	-/-	ANR	ANR	ANR
Endrin	ug/L	-/-	ANR	ANR	ANR
Endrin aldehyde	ug/L	-/-	ANR	ANR	ANR
Fluoranthene	ug/L	-/-	ANR	ANR	ANR
Fluorene	ug/L	-/-	ANR	ANR	ANR
Heptachlor	ug/L	-/-	ANR	ANR	ANR
Heptachlor epoxide	ug/L	-/-	ANR	ANR	ANR
Hexachlorobenzene	ug/L	-/-	ANR	ANR	ANR
Hexachlorobutadiene	ug/L	-/-	ANR	ANR	ANR
Hexachlorocyclopentadiene	ug/L	-/-	ANR	ANR	ANR
Hexachloroethane	ug/L	-/-	ANR	ANR	ANR
Hydrazine	ug/L	-/-	ANR	ANR	ANR
Unsymmetrical Dimethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Indeno(1,2,3-cd)pyrene	ug/L	-/-	ANR	ANR	ANR
Isophorone	ug/L	-/-	ANR	ANR	ANR
Lindane (gamma-BHC)	ug/L	-/-	ANR	ANR	ANR
Methylene Chloride	ug/L	-/-	ANR	ANR	ANR
Monomethyl Hydrazine	ug/L	-/-	ANR	ANR	ANR
Naphthalene	ug/L	-/-	ANR	ANR	ANR
Nitrobenzene	ug/L	-/-	ANR	ANR	ANR
n-Nitrosodimethylamine	ug/L	16/8.1	Comp	ND < 0.094	*
n-Nitroso-di-n-propylamine	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019

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THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
n-Nitrosodiphenylamine	ug/L	-/-	ANR	ANR	ANR
Pentachlorophenol	ug/L	16.5/8.2	Comp	ND < 0.094	*
Phenanthrene	ug/L	-/-	ANR	ANR	ANR
Phenol	ug/L	-/-	ANR	ANR	ANR
Pyrene	ug/L	-/-	ANR	ANR	ANR
Toxaphene	ug/L	-/-	ANR	ANR	ANR
trans-1,2-Dichloroethene	ug/L	-/-	ANR	ANR	ANR
trans-1,3-Dichloropropene	ug/L	-/-	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			01/06/2011-01/07/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0003345	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	0.14	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.0002	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	0.28	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1.14	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.00001	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.0001	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	L* (L)
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.
[a] Based on peak LA River flow, sampling events are dry discharges.

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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			02/24/2011-02/25/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.00032882	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	0.003	Ja* (DNQ)
Chloride	LBS/DAY	200,160/-	Comp	0.30	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	0.0002	Ja* (DNQ)
Fluoride	LBS/DAY	2,135/-	Comp	0.001	*
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.0003	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	0.27	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	1.37	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	Grab	0.0	*
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	0.003	Ja* (DNQ)
METALS					
Antimony	LBS/DAY	8.0/-	Comp	ND	*
Arsenic	LBS/DAY	67/-	Comp	ND	U
Barium	LBS/DAY	1,330/-	Comp	0.00002	J (DNQ)
Beryllium	LBS/DAY	5.3/-	Comp	ND	U
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	Comp	ND	*
Copper	LBS/DAY	19/9.5	Comp	0.00001	*
Iron	LBS/DAY	400/-	Comp	0.0002	--
Lead	LBS/DAY	6.9/3.5	Comp	0.000001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	Comp	ND	U
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	Comp	0.00001	J (DNQ)
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.000002	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	Comp	ND	*
Thallium	LBS/DAY	2.7/-	Comp	ND	*
Zinc	LBS/DAY	159/72	Comp	0.0001	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	U
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	U
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	U
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	U
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	U
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.
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ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

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			06/01/2011-06/02/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0503	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	ANR	ANR	ANR
Chloride	LBS/DAY	200,160/-	Comp	41.95	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.04	Ja* (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	*
Sulfate	LBS/DAY	400,320/-	Comp	41.53	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	205.57	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	0.42	Ja* (DNQ)
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	0.0001	Ja* (DNQ)
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0003	Ja* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.0001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.0002	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.02	--
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
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			6/10/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.0880191	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	ANR	ANR	ANR
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Grab	1.91	*
Chloride	LBS/DAY	200,160/-	ANR	ANR	ANR
Surfactants (MBAS)	LBS/DAY	667/-	ANR	ANR	ANR
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR	ANR
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	ANR	ANR	ANR
Nitrite-N	LBS/DAY	1,334/-	ANR	ANR	ANR
Oil & Grease	LBS/DAY	20,016/13,344	ANR	ANR	ANR
Perchlorate	LBS/DAY	8.0/-	ANR	ANR	ANR
Sulfate	LBS/DAY	400,320/-	ANR	ANR	ANR
Total Cyanide	LBS/DAY	11/5.7	ANR	ANR	ANR
Total Dissolved Solids	LBS/DAY	1,270,000/-	ANR	ANR	ANR
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	ANR	ANR	ANR
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	ANR	ANR	ANR
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	ANR	ANR	ANR
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	ANR	ANR	ANR
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	ANR	ANR	ANR
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	ANR	ANR	ANR
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	ANR	ANR	ANR
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	ANR	ANR	ANR
Trichloroethene	LBS/DAY	6.7/-	ANR	ANR	ANR
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	ANR	ANR	ANR
2,4-Dinitrotoluene	LBS/DAY	24/12	ANR	ANR	ANR
alpha-BHC	LBS/DAY	0.04/0.013	ANR	ANR	ANR
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	ANR	ANR	ANR
n-Nitrosodimethylamine	LBS/DAY	22/10.8	ANR	ANR	ANR
Pentachlorophenol	LBS/DAY	22/10.9	ANR	ANR	ANR
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			08/10/2011-08/11/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.049	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	49.04	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.05	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	49.04	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	265.63	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	ND	U
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			09/07/2011-09/08/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.01403	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	19.89	--
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.01	J (DNQ)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	U
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	16.38	--
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	86.58	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.00003	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	0.0001	Ja* (DNQ)
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.001	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	ND	*
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			10/19/2011-10/20/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.02844	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	0.20	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	59.29	--
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	U
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	0.03	J (Q)
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	U
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	35.57	J (Q)
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	260.88	--
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	ND	*
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	0.0001	Ja* (DNQ)
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.003	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	0.0004	B, Ja* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	ND	--

See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

OUTFALL 019 (Treatment System)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

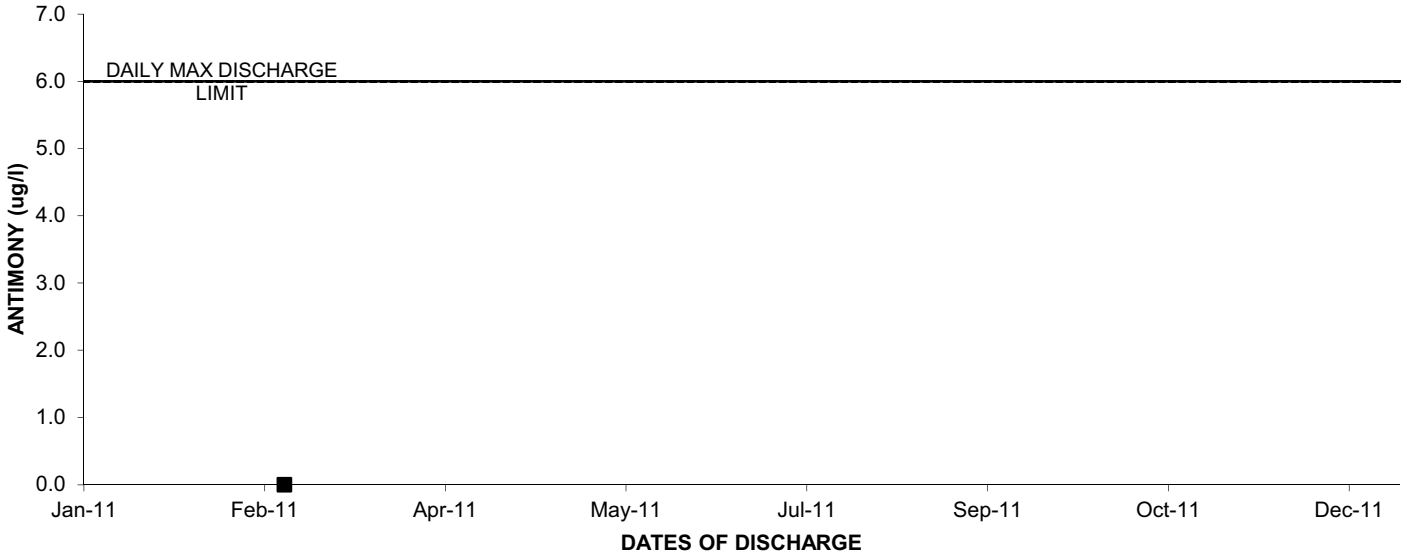
January 1 through December 31, 2011

			11/16/2011-11/17/2011 [a]		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**Sample Type**	**Result**	**Concentration Result Validation Qualifier**
Max Discharge for event	MGD	160	Meas	0.02928	
Ammonia as Nitrogen (N)	LBS/DAY	13,500/2615	Comp	ND	*
Biochemical Oxygen Demand (BOD 5 day)	LBS/DAY	40,032/26,700	Comp	ND	*
Chloride	LBS/DAY	200,160/-	Comp	8.30	*
Surfactants (MBAS)	LBS/DAY	667/-	Comp	ND	*
Fluoride	LBS/DAY	2,135/-	ANR	ANR	ANR
Nitrate + Nitrite as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrate as Nitrogen (N)	LBS/DAY	10,700/-	Comp	ND	*
Nitrite-N	LBS/DAY	1,334/-	Comp	ND	*
Oil & Grease	LBS/DAY	20,016/13,344	Grab	ND	*
Perchlorate	LBS/DAY	8.0/-	Comp	ND	U
Sulfate	LBS/DAY	400,320/-	Comp	36.63	*
Total Cyanide	LBS/DAY	11/5.7	Comp	ND	*
Total Dissolved Solids	LBS/DAY	1,270,000/-	Comp	119.64	*
Total Residual Chlorine (Field)	LBS/DAY	133/-	ANR	ANR	ANR
Total Suspended Solids	LBS/DAY	60,048/20,016	Comp	ND	*
METALS					
Antimony	LBS/DAY	8.0/-	ANR	ANR	ANR
Arsenic	LBS/DAY	67/-	ANR	ANR	ANR
Barium	LBS/DAY	1,330/-	ANR	ANR	ANR
Beryllium	LBS/DAY	5.3/-	ANR	ANR	ANR
Cadmium	LBS/DAY	(5.3) 4.1/2.7	Comp	ND	*
Chromium VI	LBS/DAY	22/11	ANR	ANR	ANR
Copper	LBS/DAY	19/9.5	Comp	0.0001	Ja* (DNQ)
Iron	LBS/DAY	400/-	ANR	ANR	ANR
Lead	LBS/DAY	6.9/3.5	Comp	ND	*
Manganese	LBS/DAY	66.7/-	ANR	ANR	ANR
Mercury	LBS/DAY	0.13/0.07	Comp	ND	U
Nickel	LBS/DAY	128/47	ANR	ANR	ANR
Selenium	LBS/DAY	(6.7) 11/5.5	Comp	ND	*
Silver	LBS/DAY	5.5/2.7	ANR	ANR	ANR
Thallium	LBS/DAY	2.7/-	ANR	ANR	ANR
Zinc	LBS/DAY	159/72	Comp	0.002	J (DNQ)
ORGANICS					
1,1-Dichloroethene	LBS/DAY	8.0/4.3	Grab	ND	*
Trichloroethene	LBS/DAY	6.7/-	Grab	ND	*
ADDITIONAL ANALYTES					
2,4,6-Trichlorophenol	LBS/DAY	17/8.7	Comp	ND	*
2,4-Dinitrotoluene	LBS/DAY	24/12	Comp	ND	*
alpha-BHC	LBS/DAY	0.04/0.013	Comp	ND	*
bis (2-ethylhexyl) Phthalate	LBS/DAY	5.3/-	Comp	0.001	B, Ja* (DNQ)
n-Nitrosodimethylamine	LBS/DAY	22/10.8	Comp	ND	*
Pentachlorophenol	LBS/DAY	22/10.9	Comp	ND	*
TCDD TEQ_NoDNQ	LBS/DAY	3.70E-08/1.9E-08	Comp	2.93E-14	--

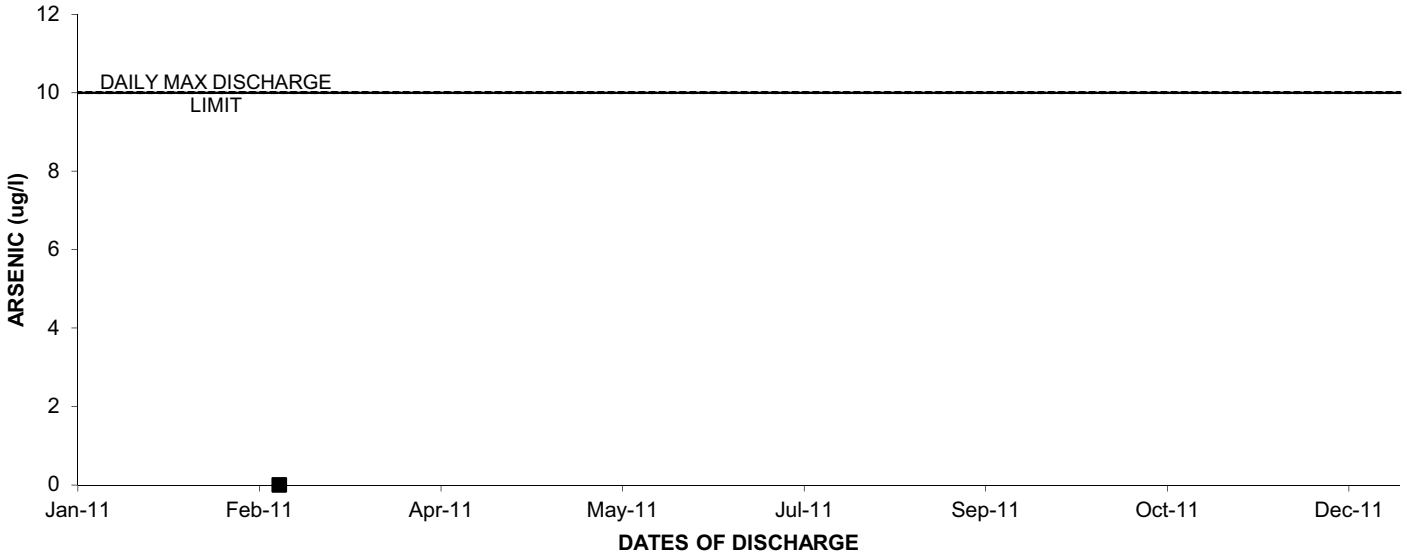
See attached notes for abbreviations, definitions, and other explanations for the data presented.

[a] Based on peak LA River flow, sampling events are dry discharges.

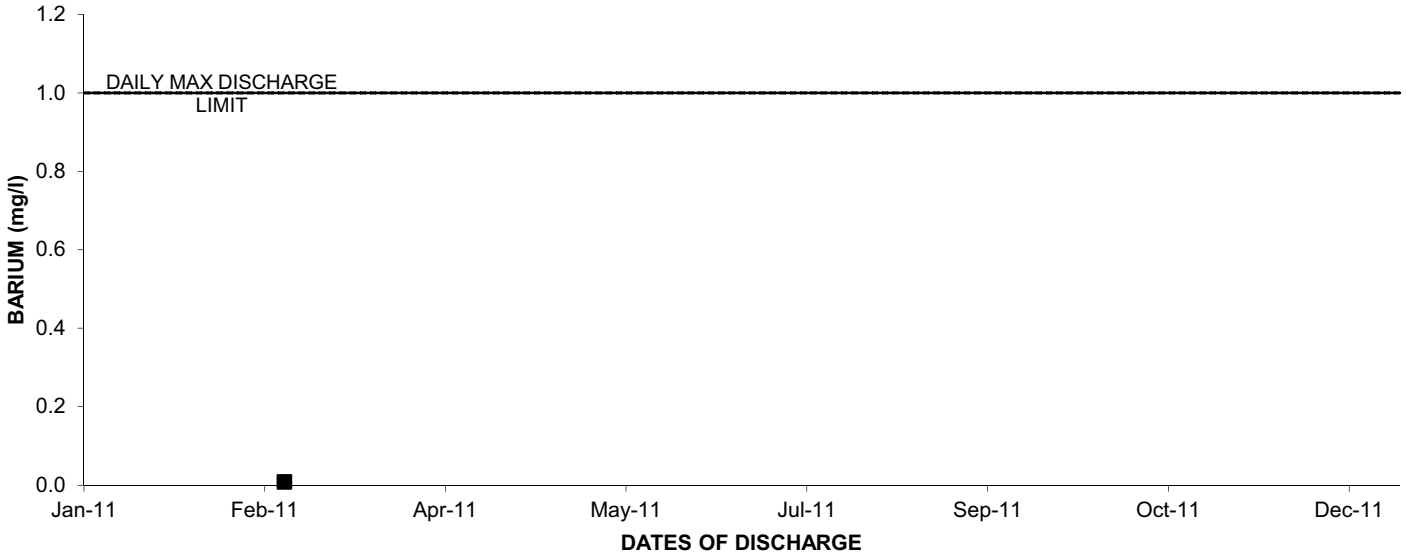
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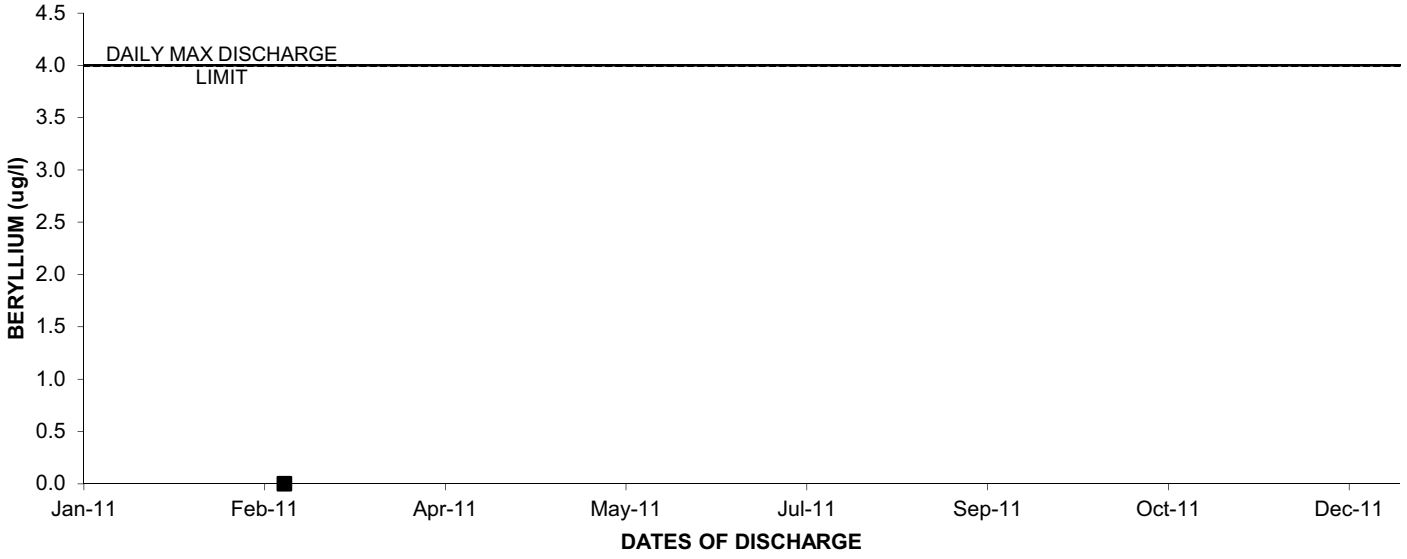
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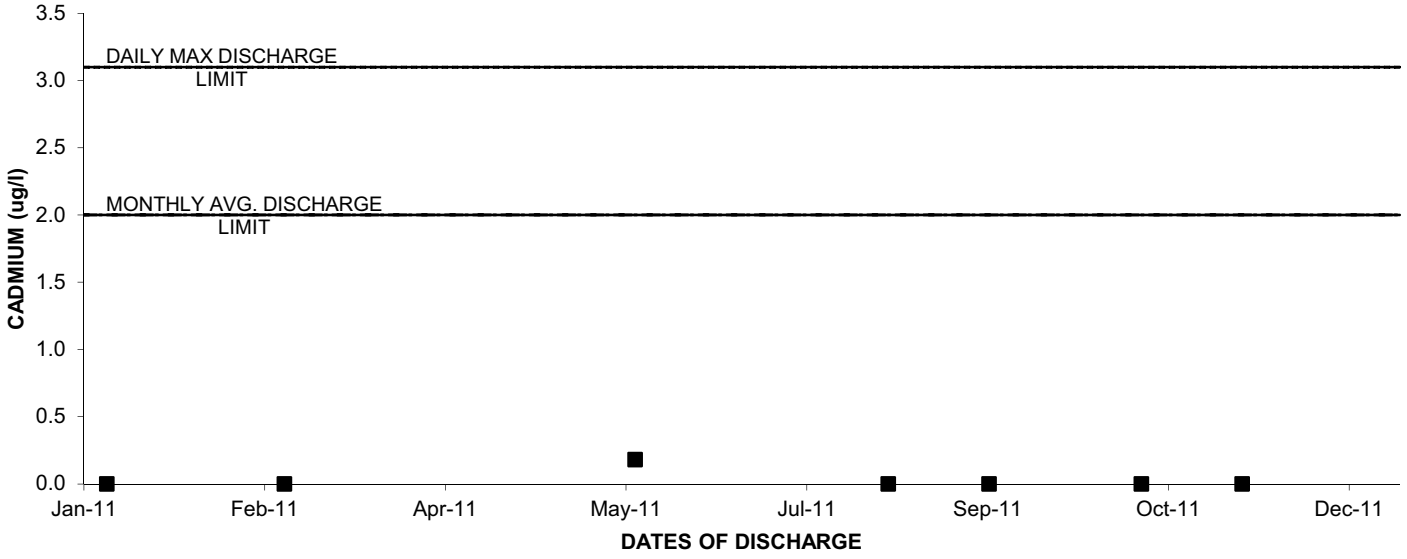
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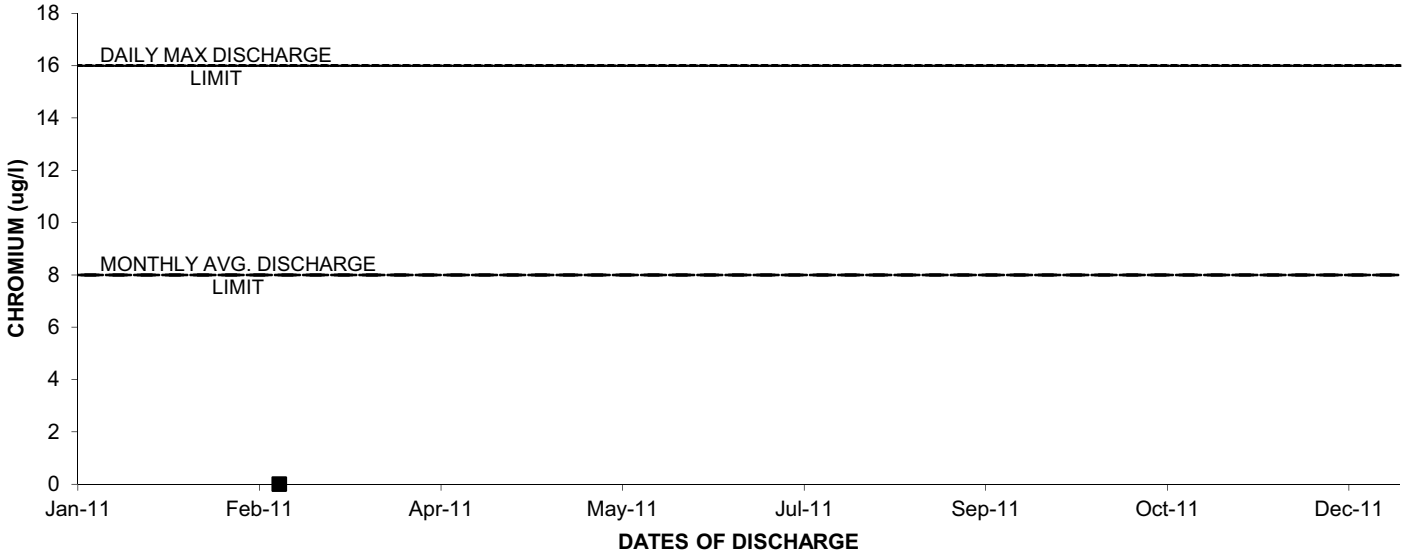
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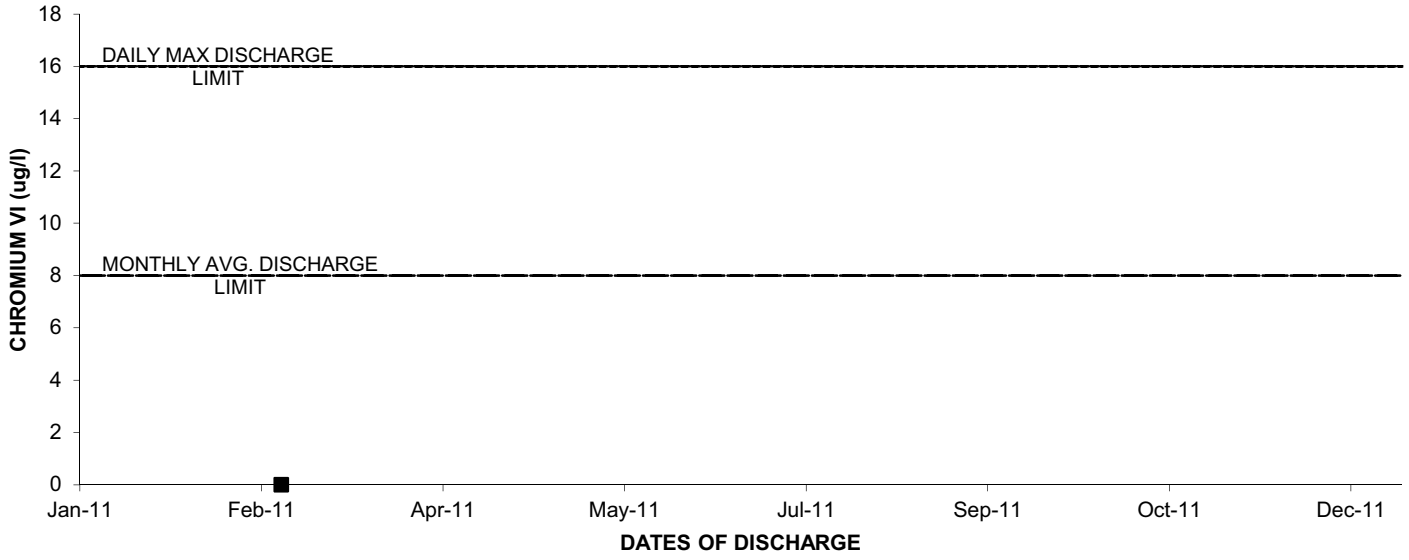
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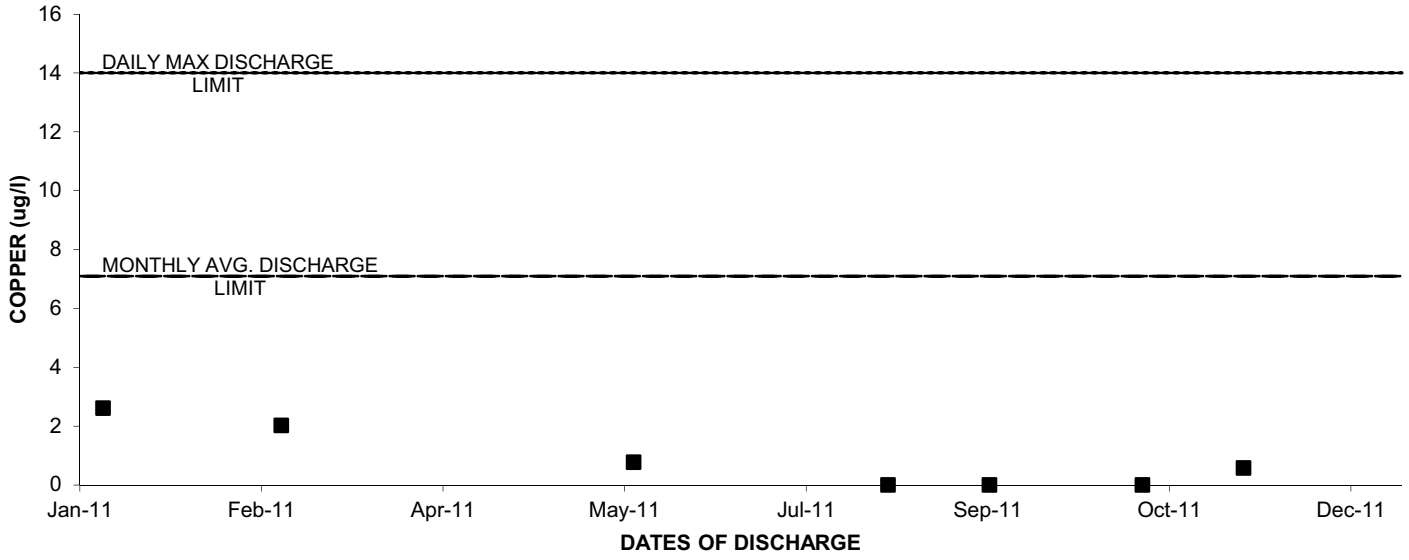
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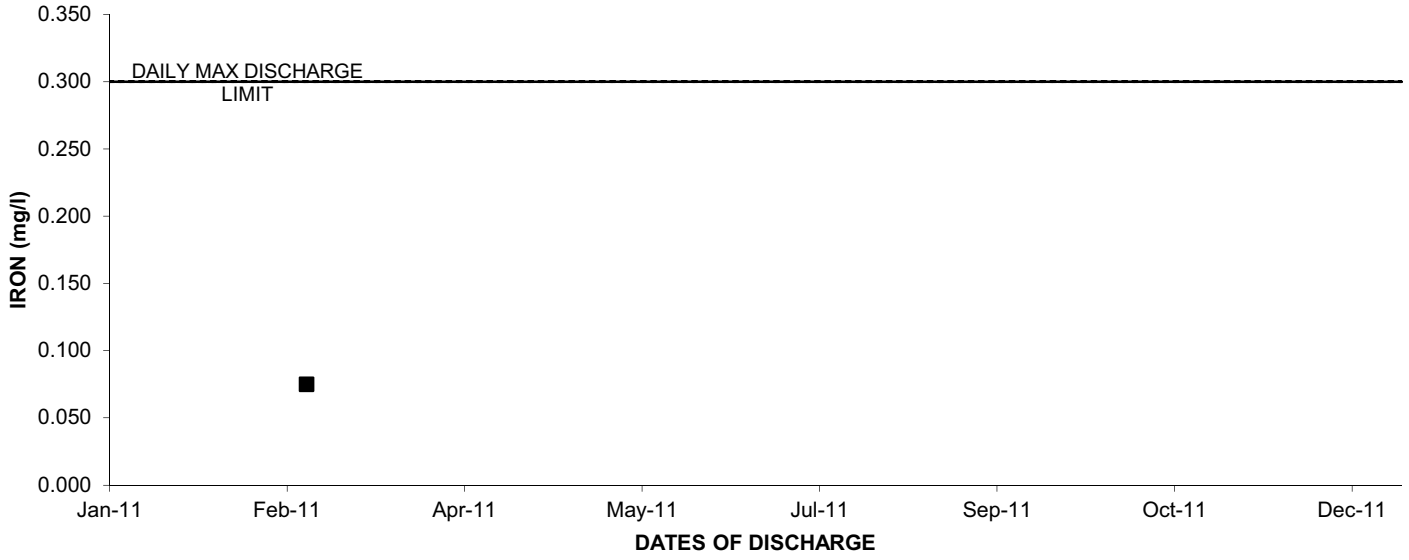
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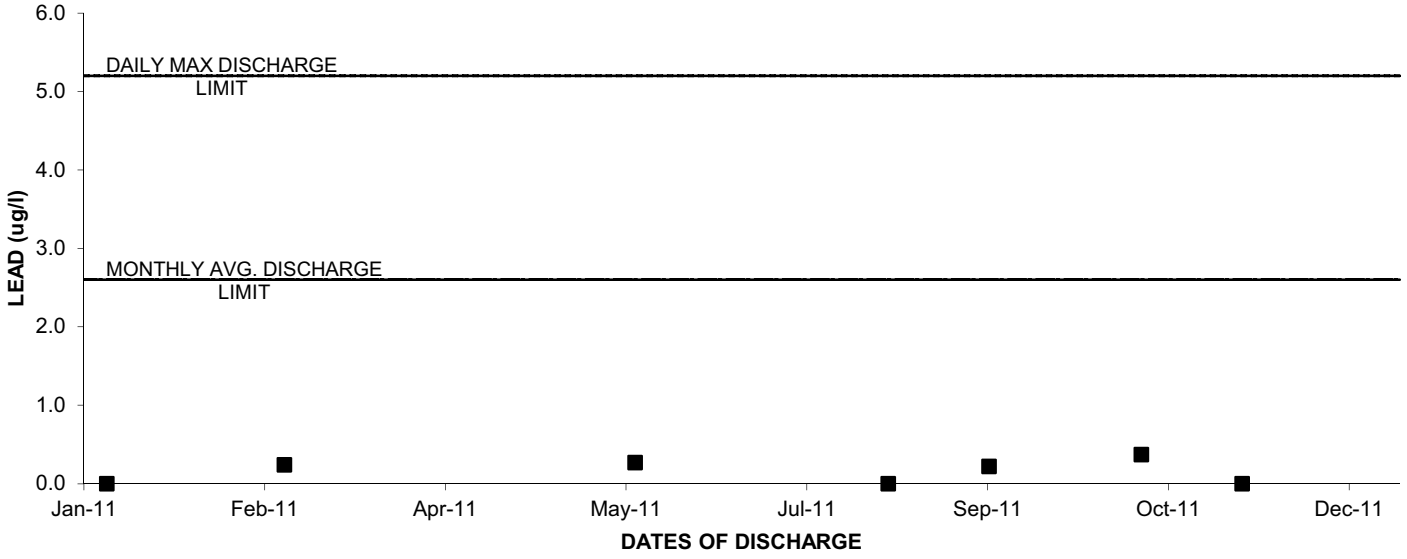
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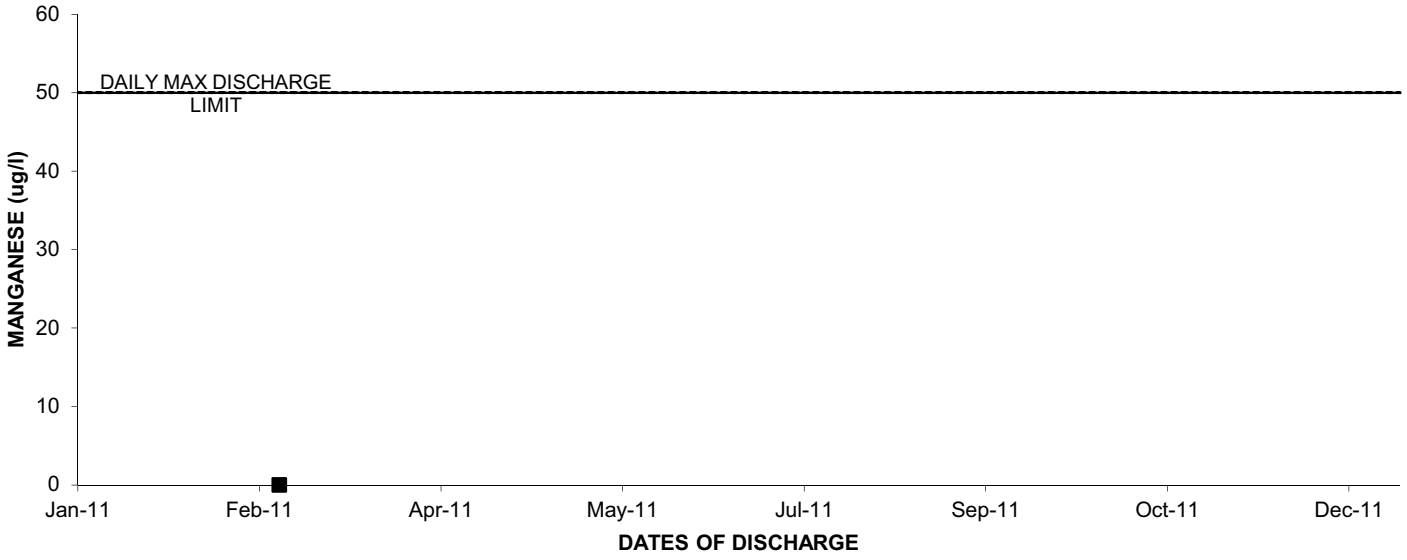
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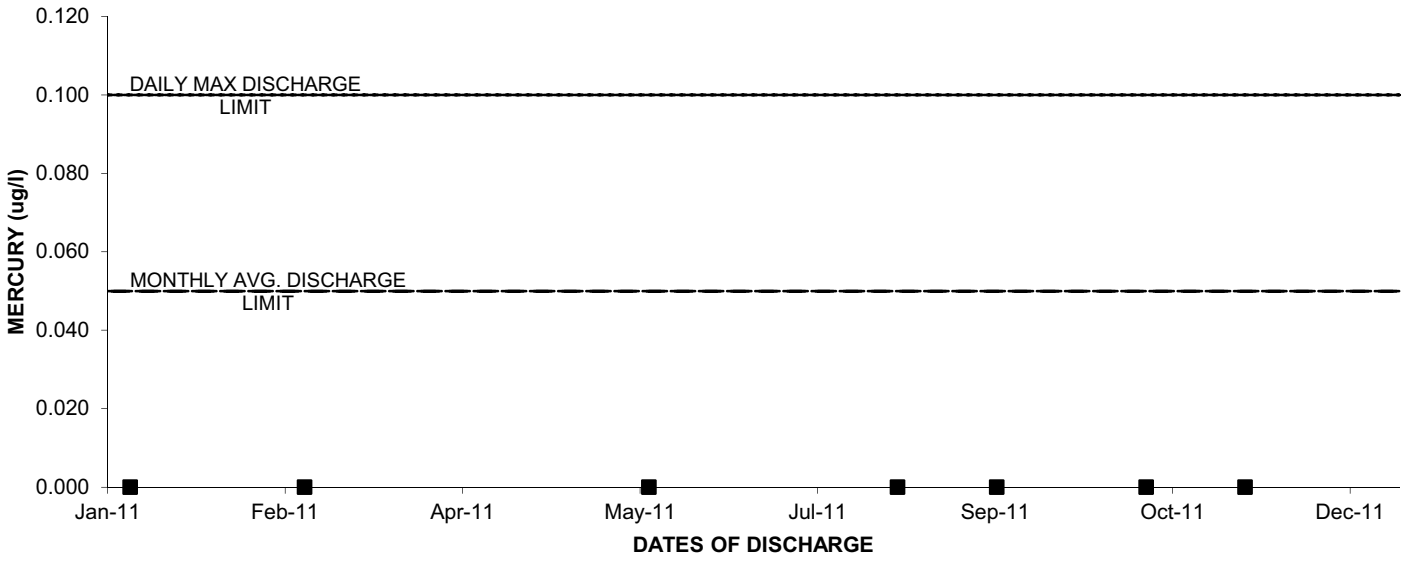
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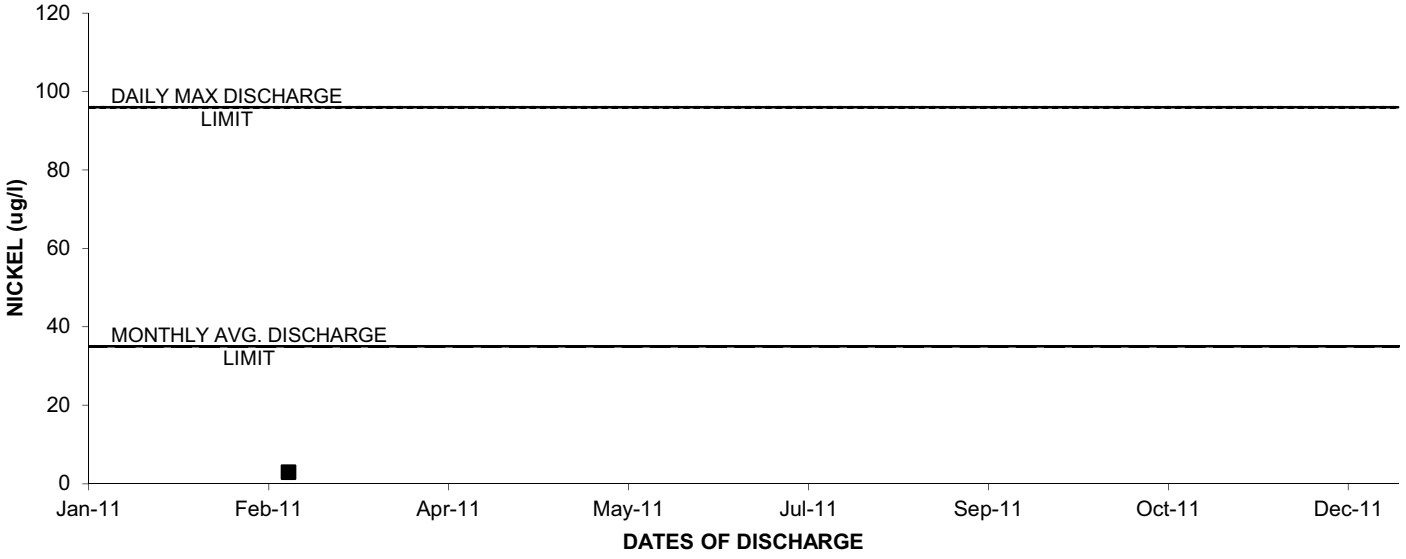
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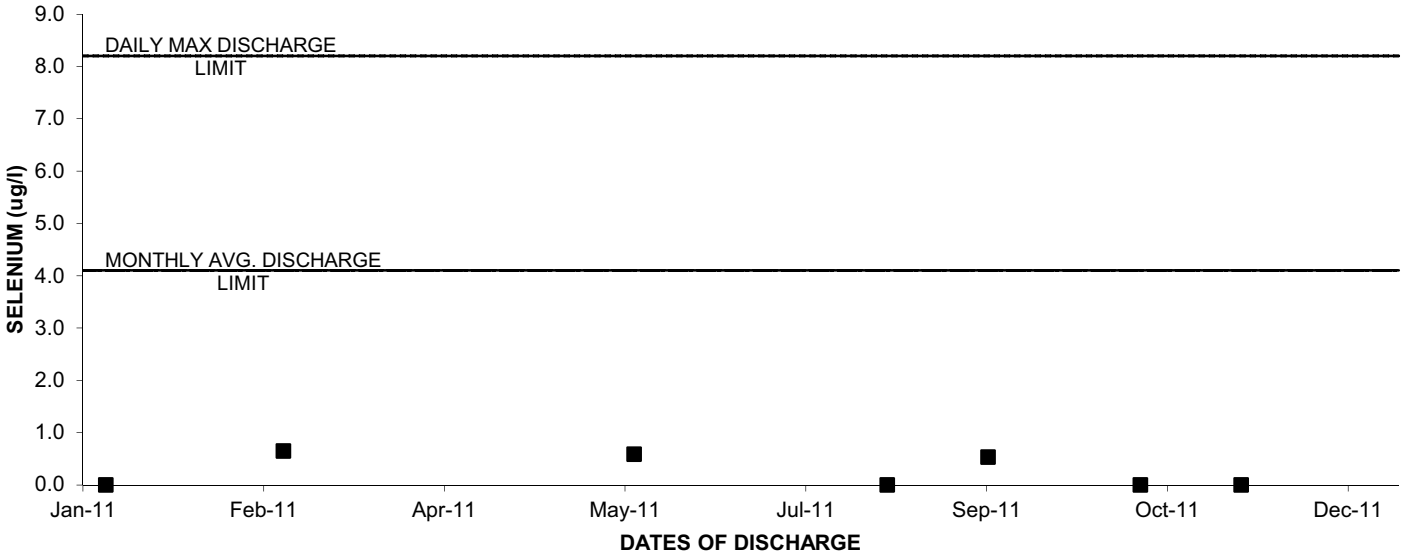
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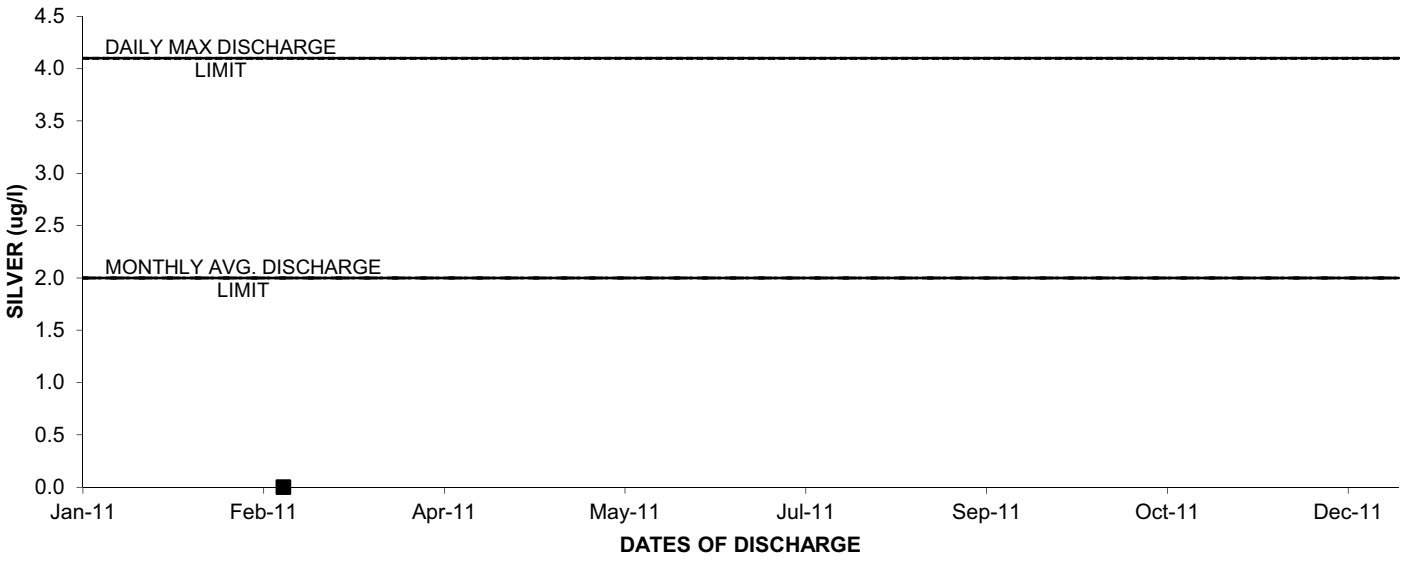
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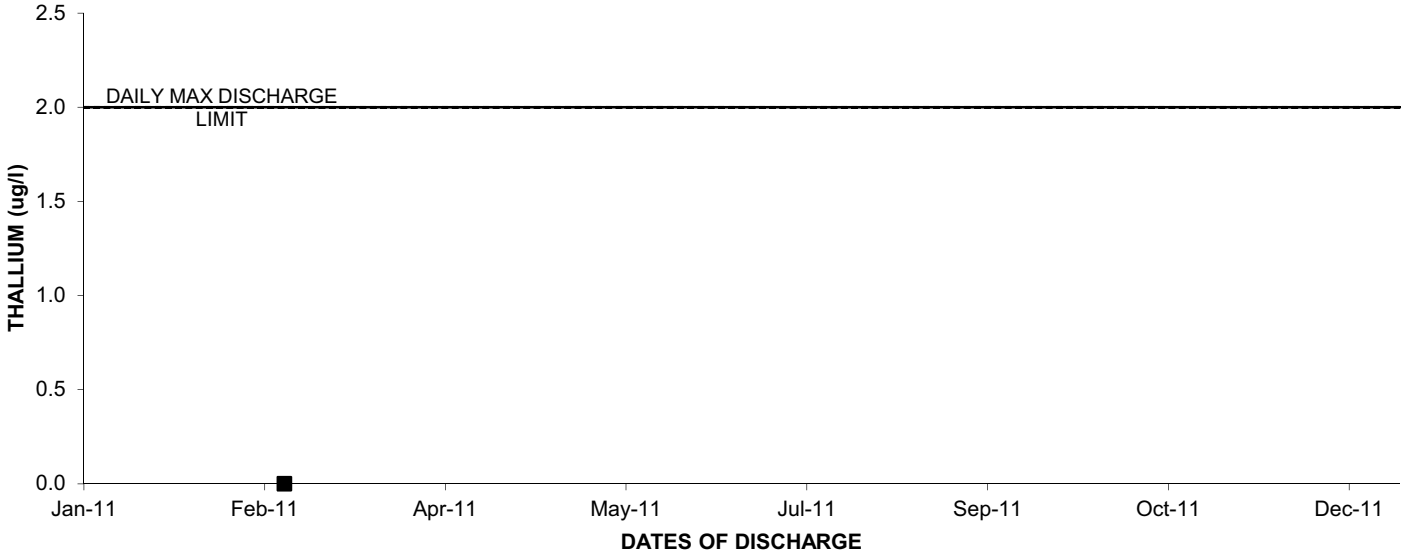
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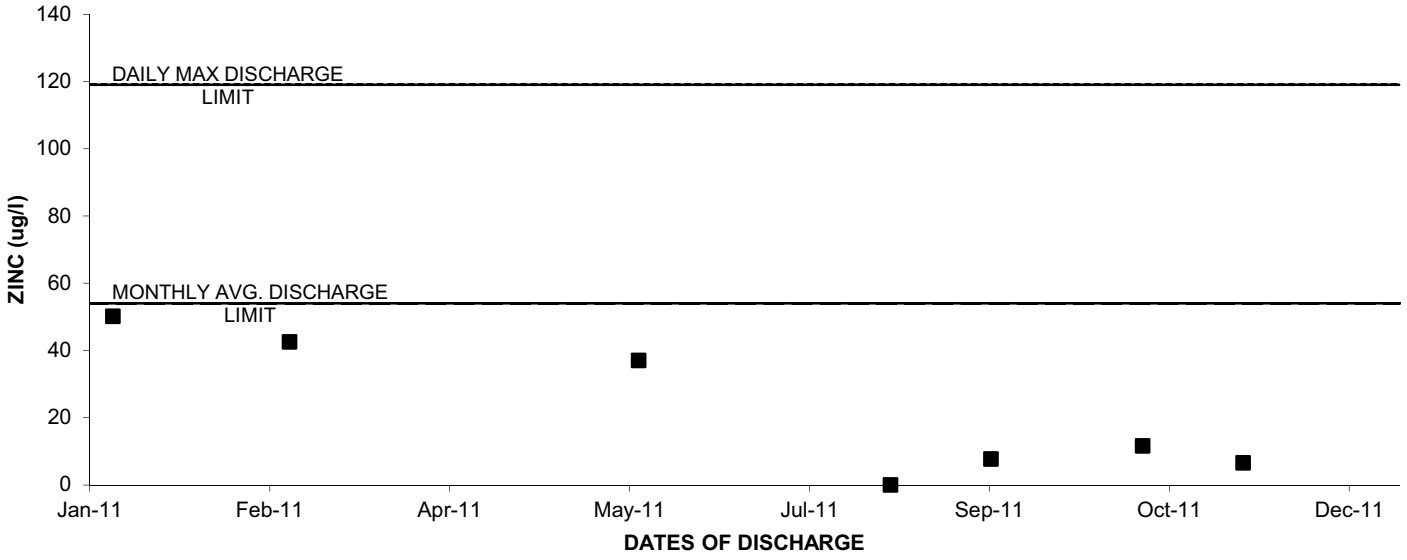
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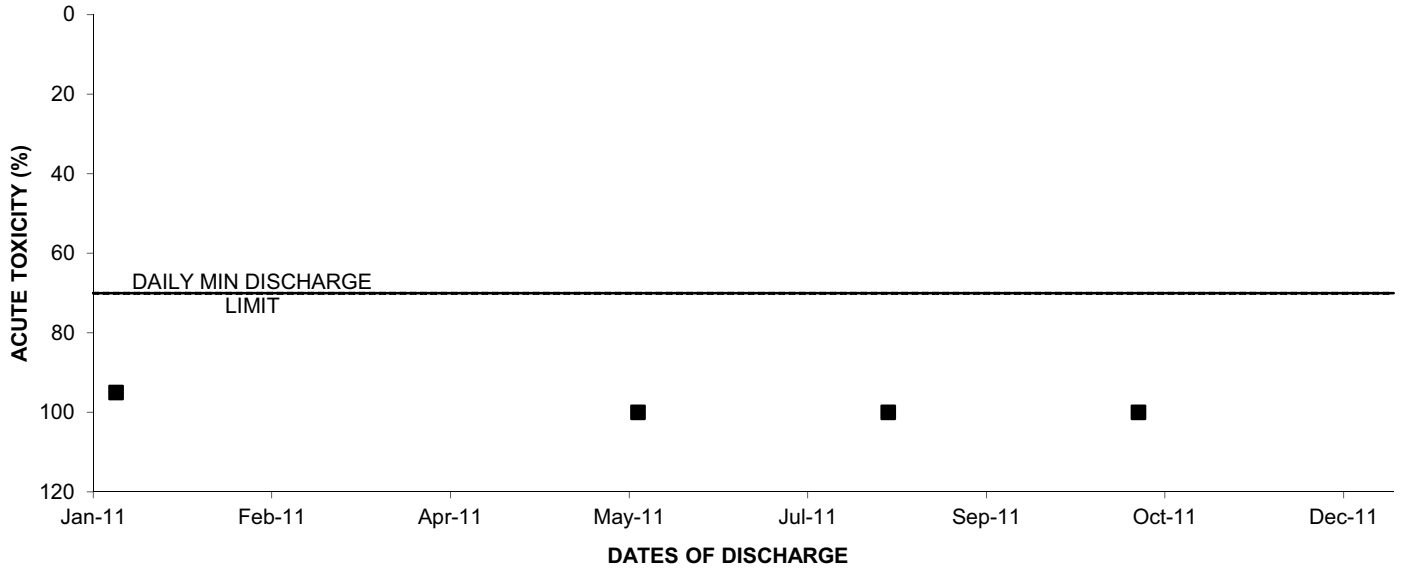
2011: OUTFALL 019 THALLIUM



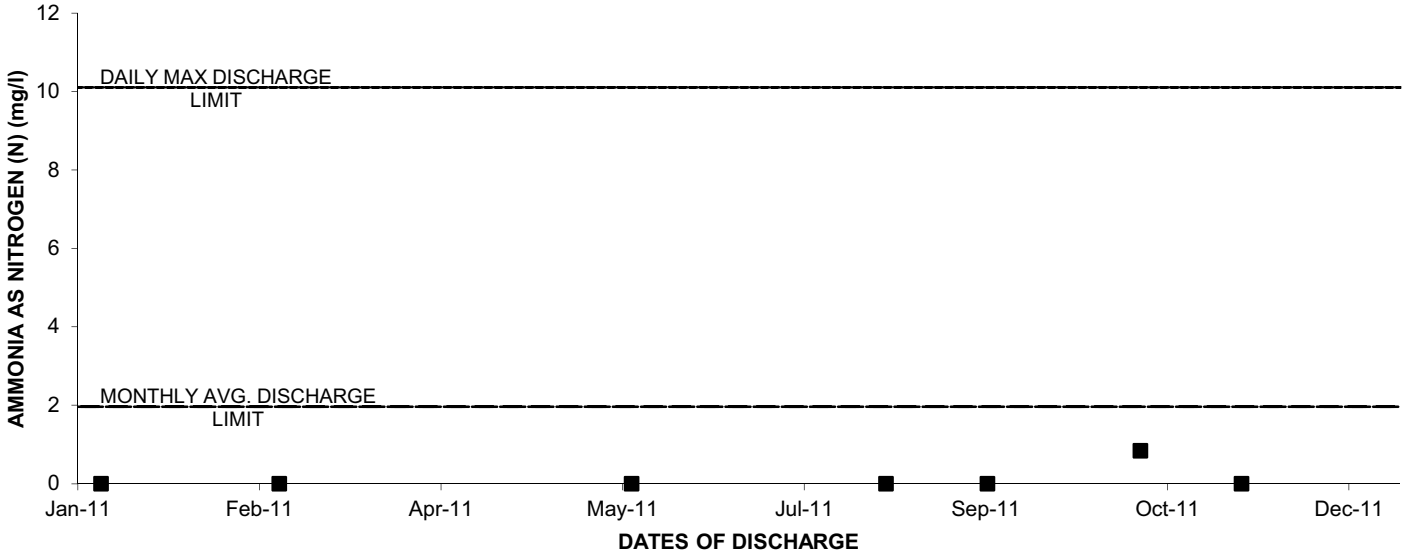
2011: OUTFALL 019 ZINC



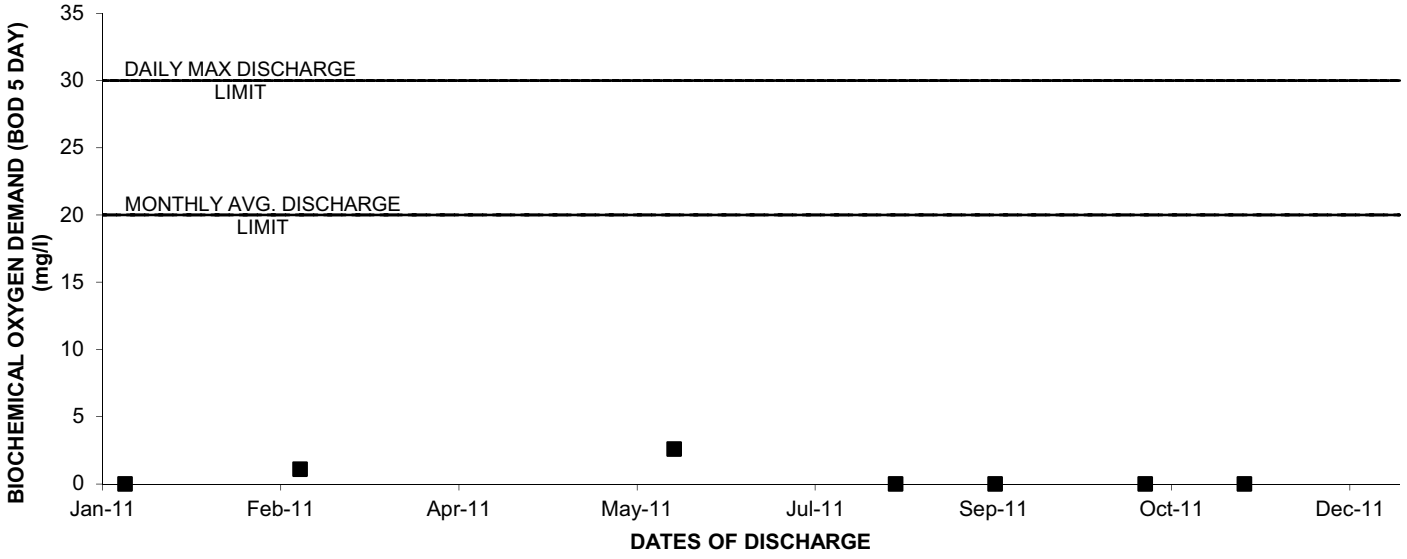
2011: OUTFALL 019 ACUTE TOXICITY



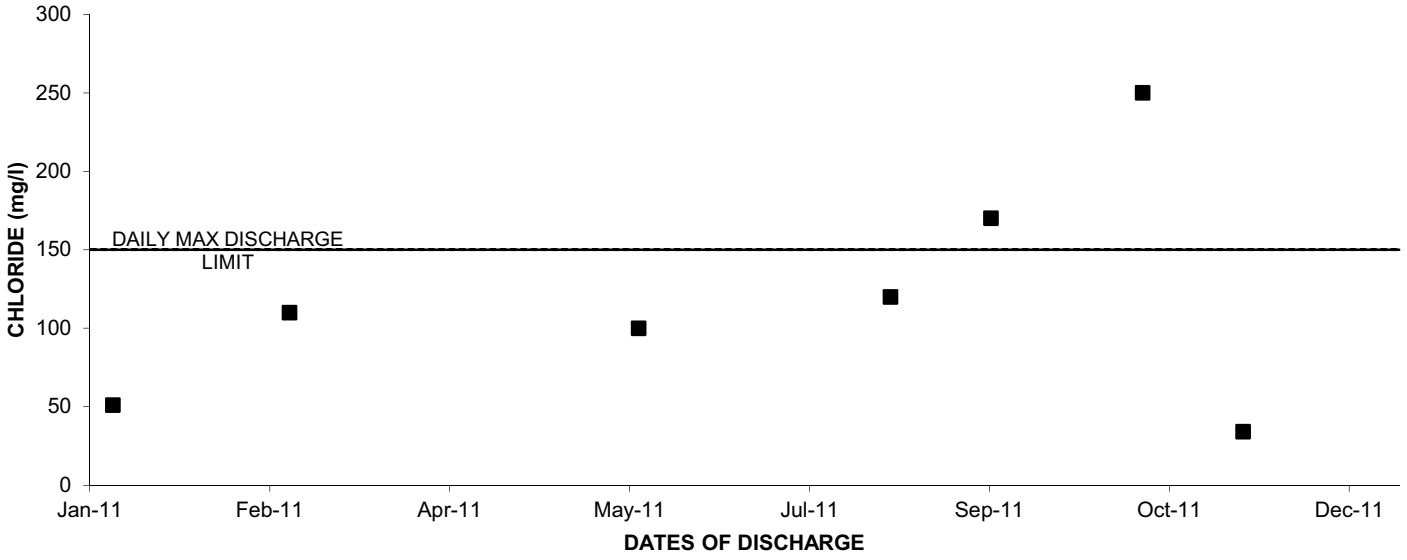
2011: OUTFALL 019 AMMONIA AS NITROGEN (N)



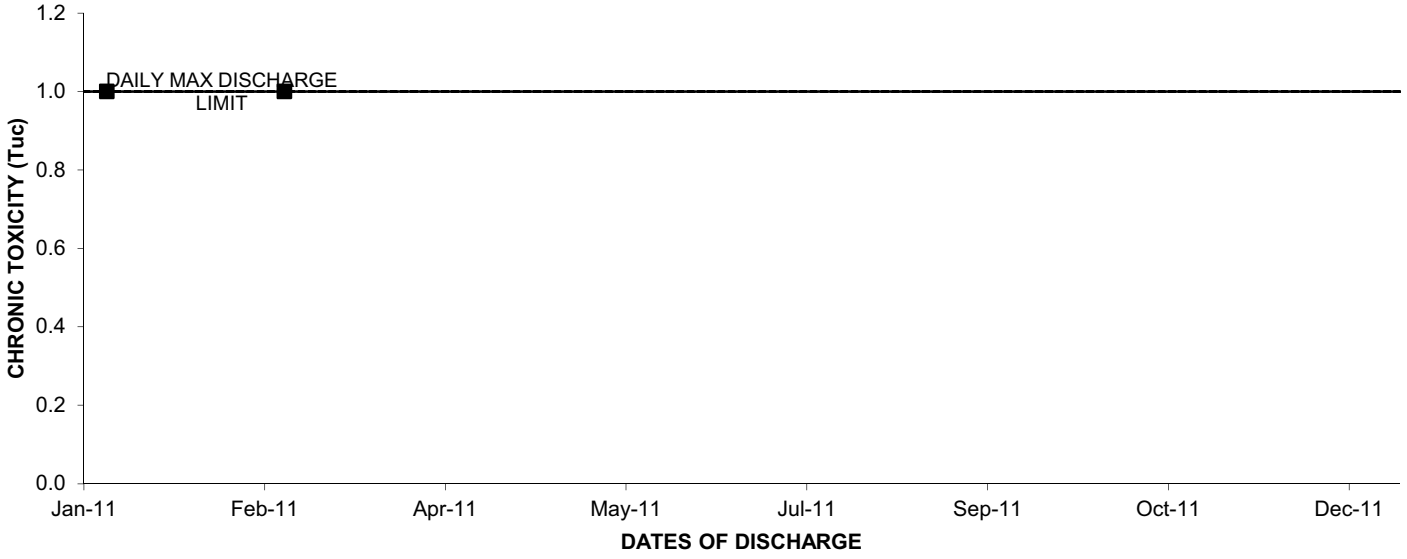
2011: OUTFALL 019 BIOCHEMICAL OXYGEN DEMAND (BOD 5 DAY)



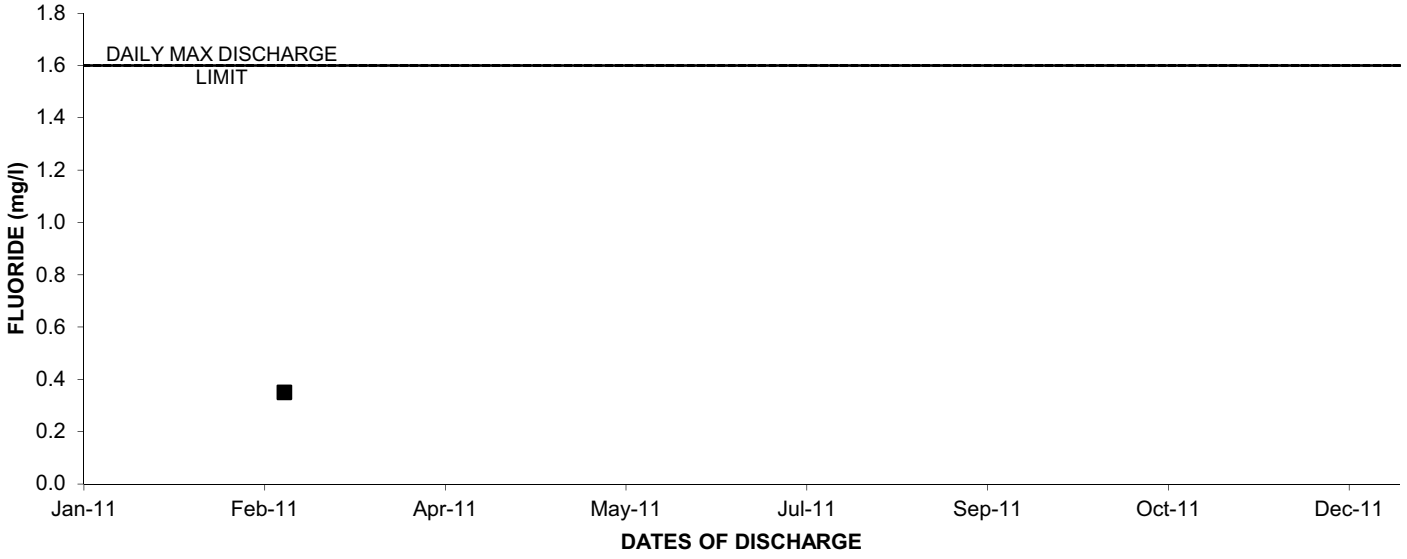
2011: OUTFALL 019 CHLORIDE



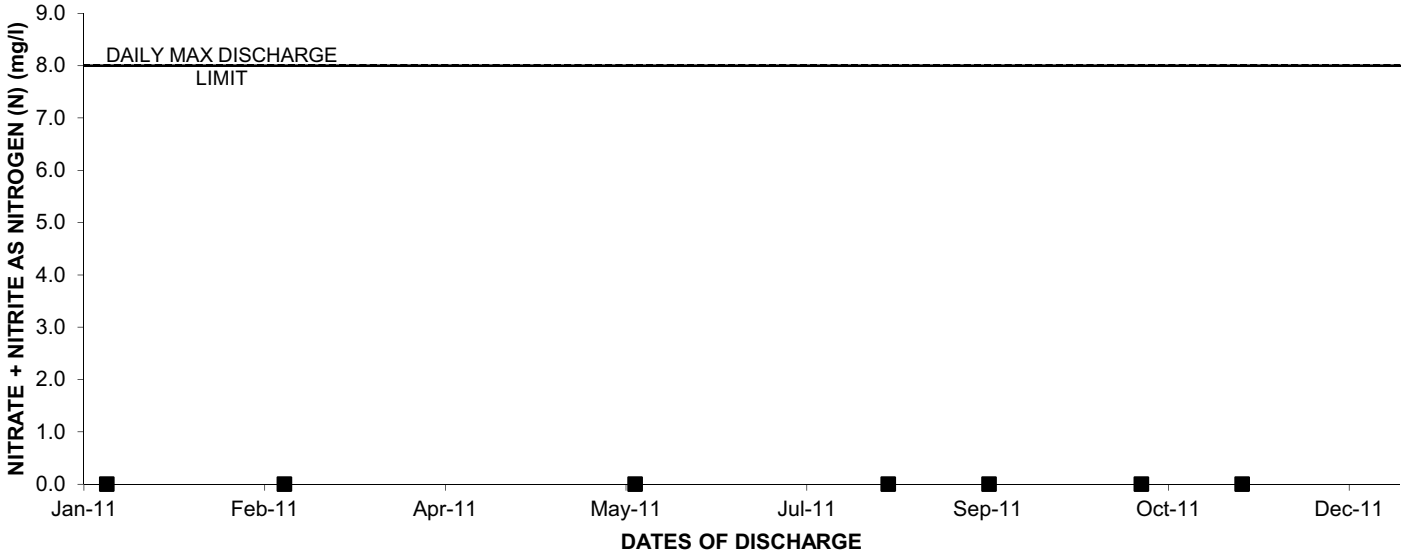
2011: OUTFALL 019 CHRONIC TOXICITY



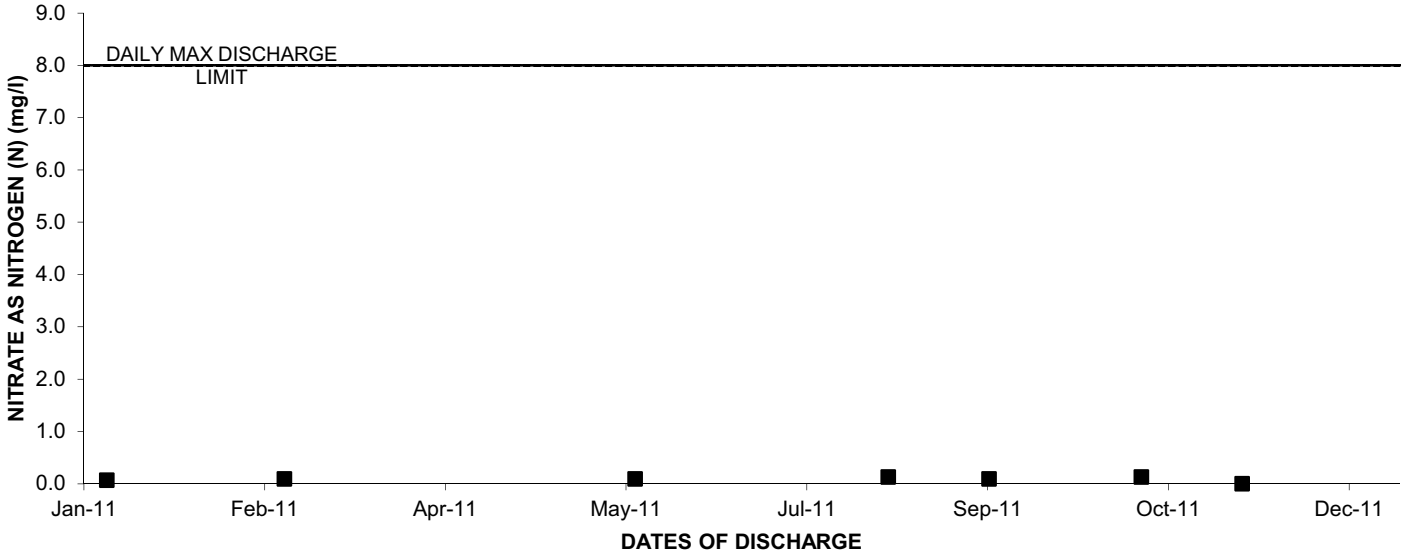
2011: OUTFALL 019 FLUORIDE



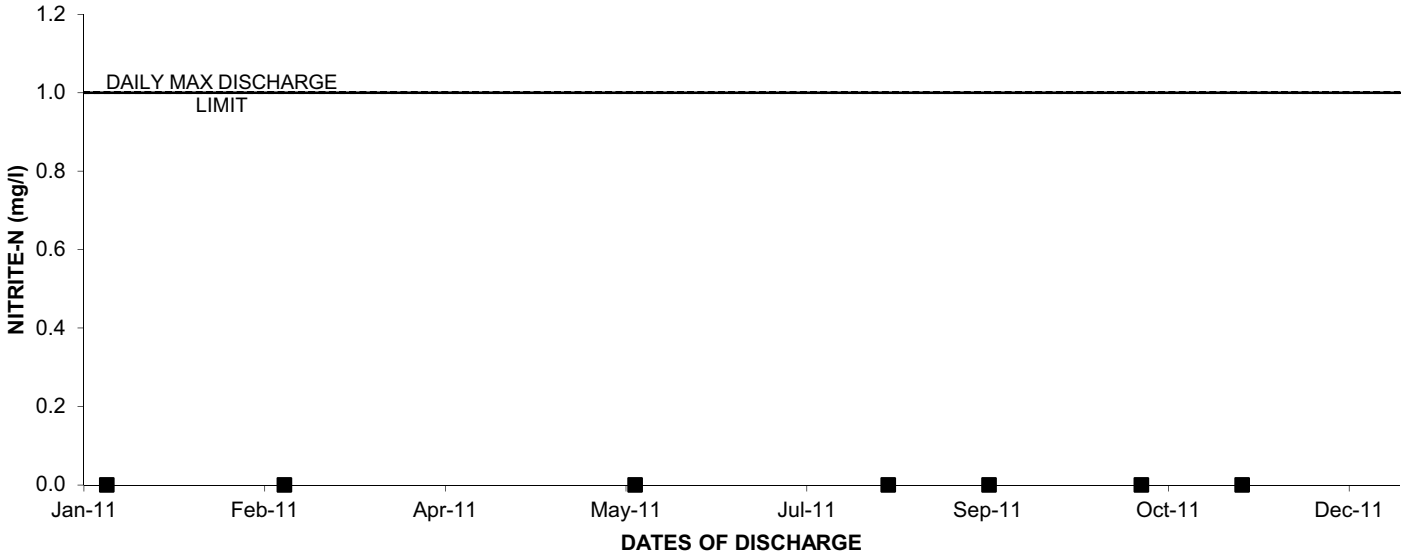
2011: OUTFALL 019 NITRATE + NITRITE AS NITROGEN (N)



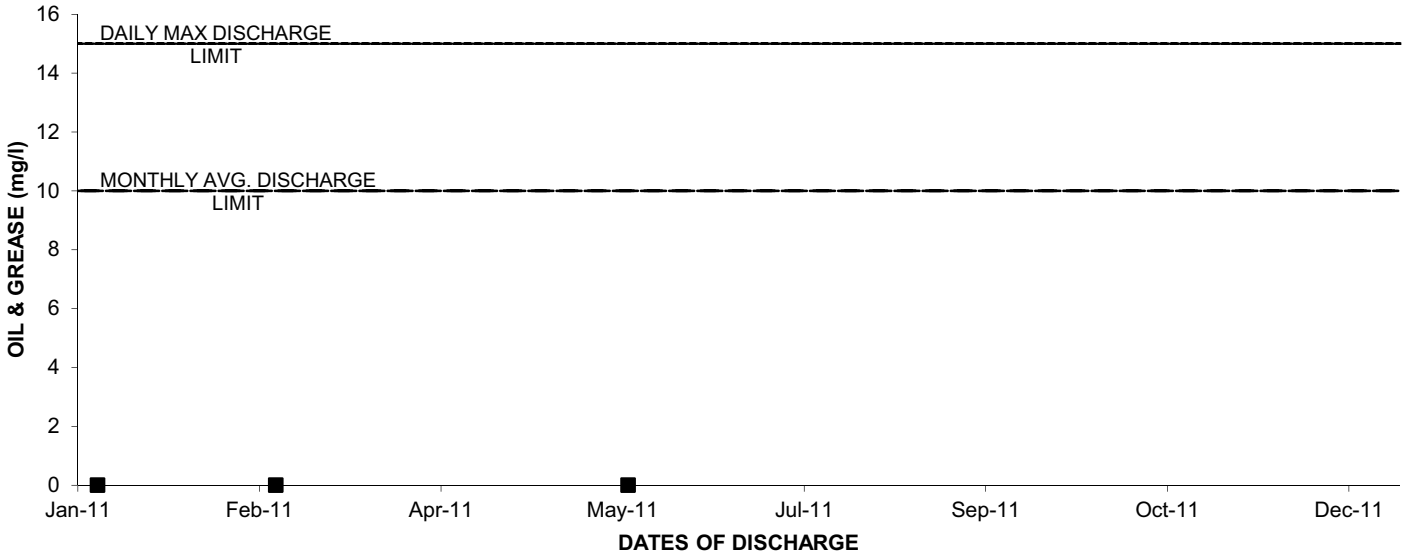
2011: OUTFALL 019 NITRATE AS NITROGEN (N)



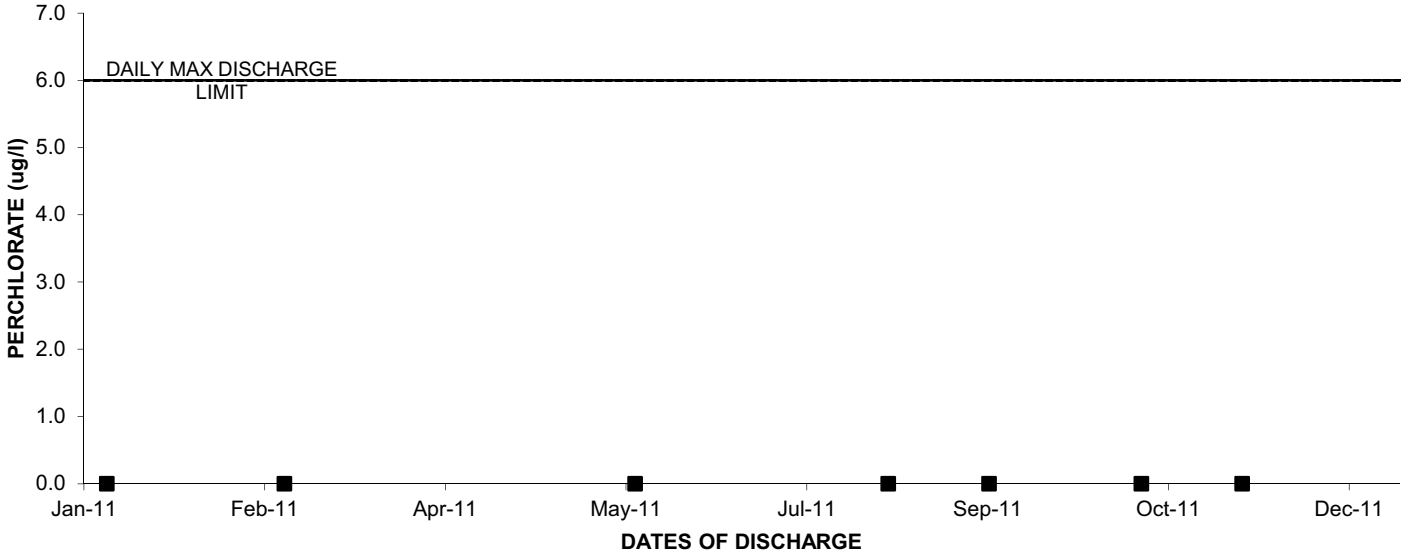
2011: OUTFALL 019 NITRITE-N



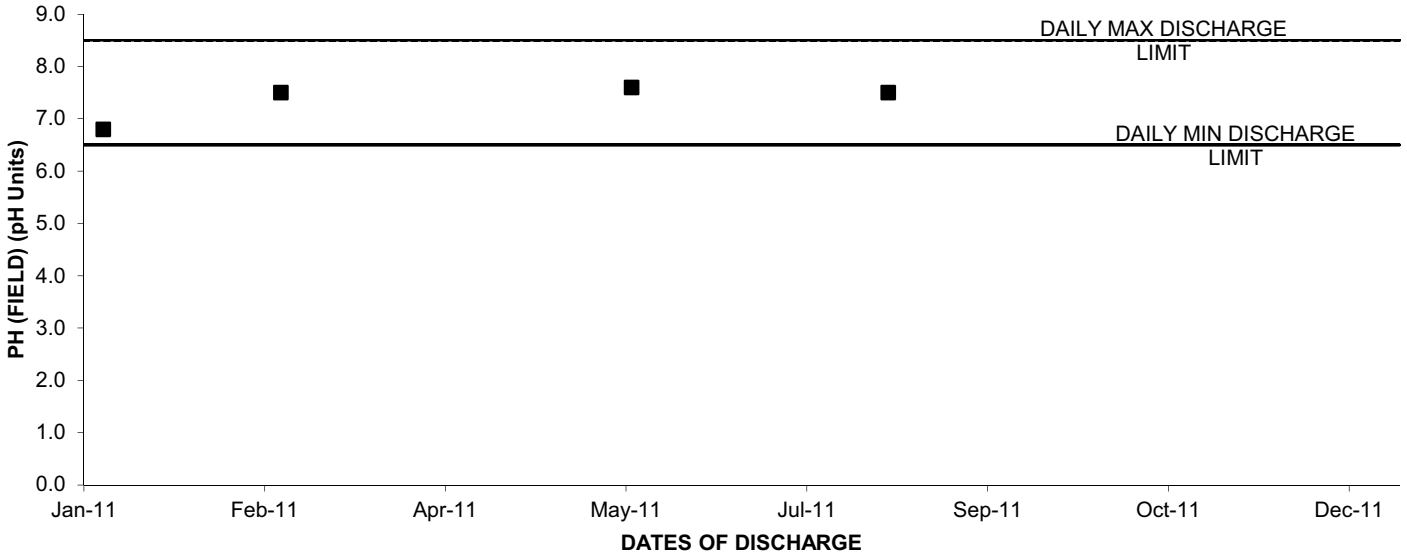
2011: OUTFALL 019 OIL & GREASE



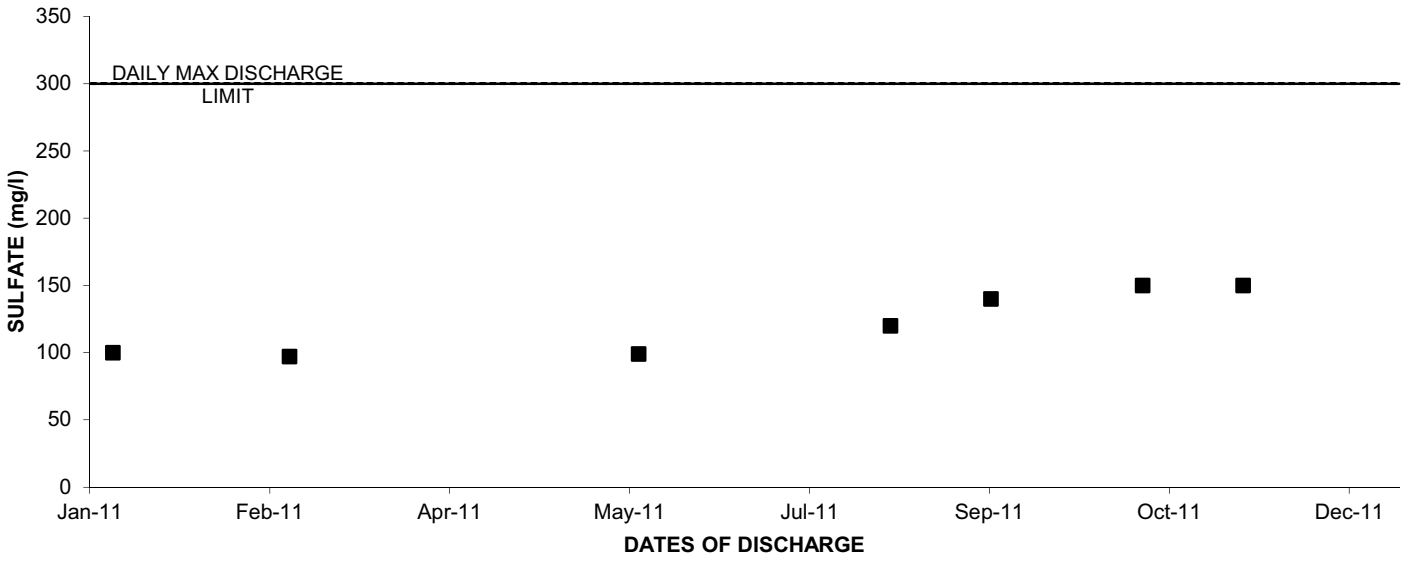
2011: OUTFALL 019 PERCHLORATE



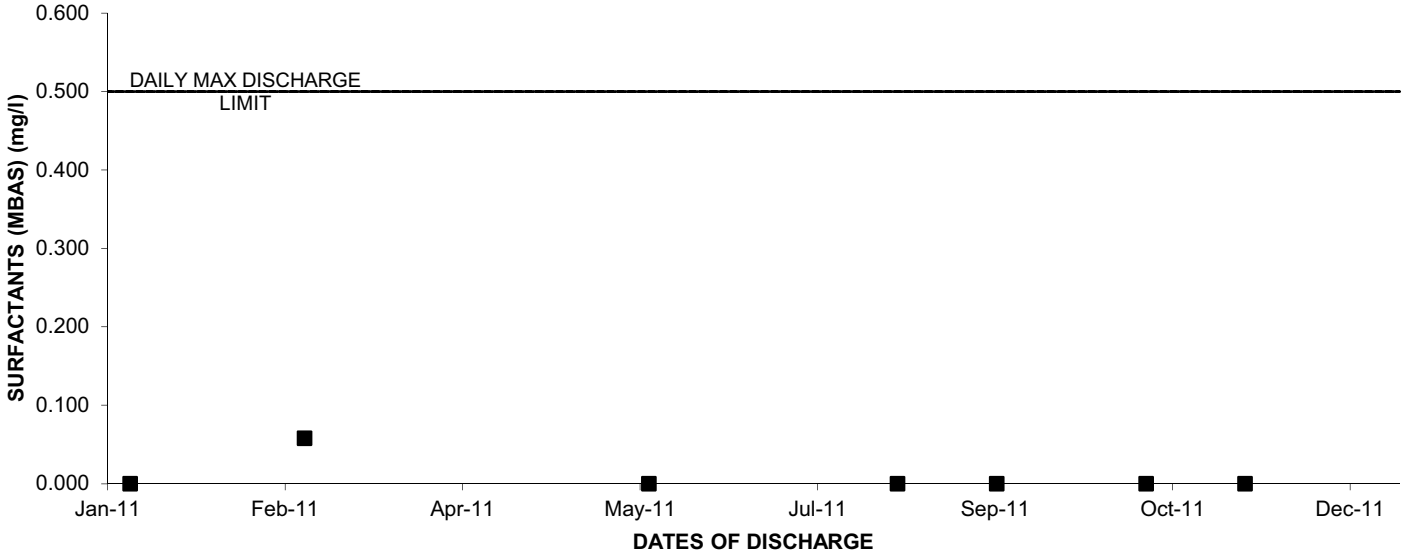
2011: OUTFALL 019 PH (FIELD)



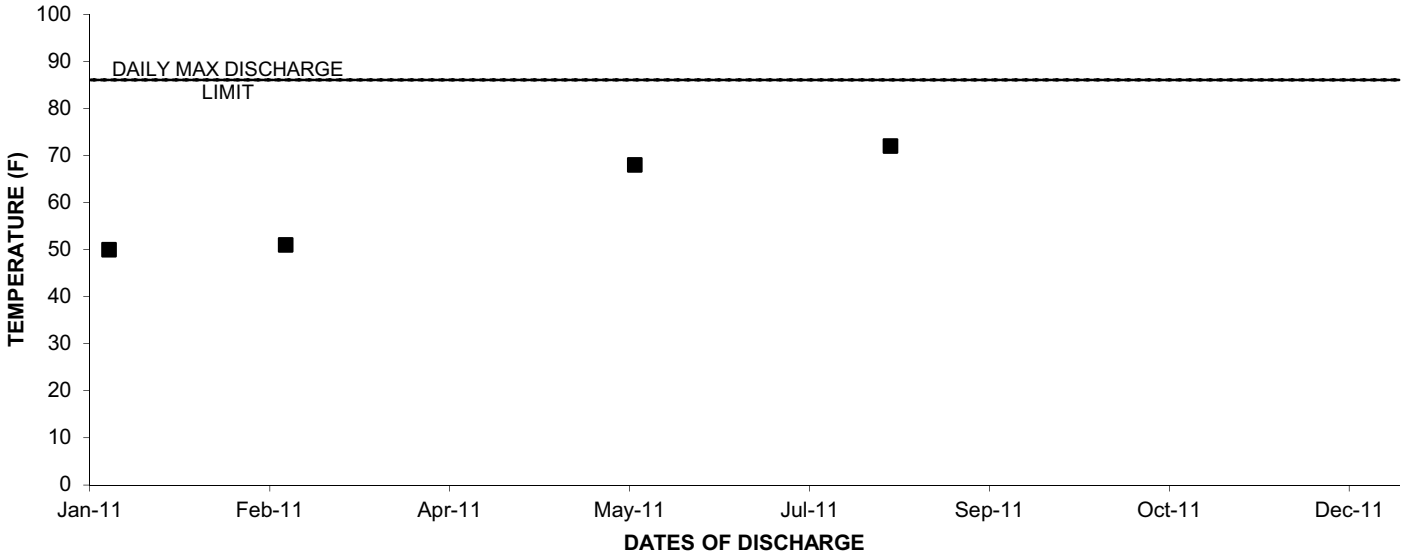
2011: OUTFALL 019 SULFATE



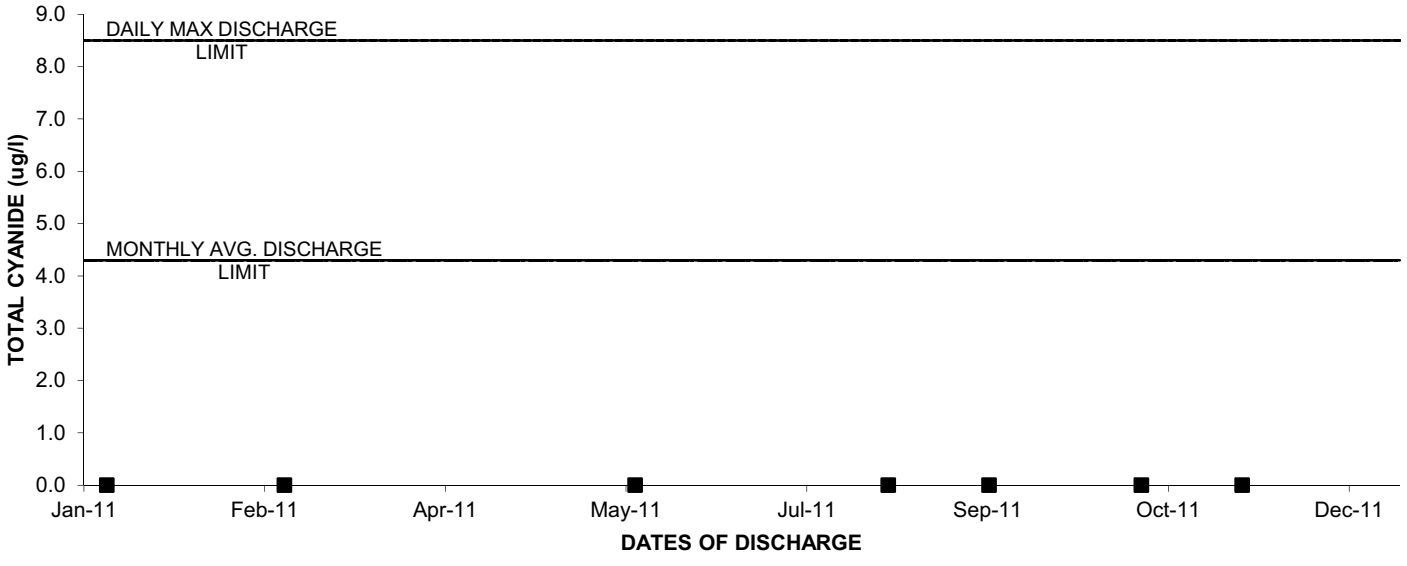
2011: OUTFALL 019 SURFACTANTS (MBAS)



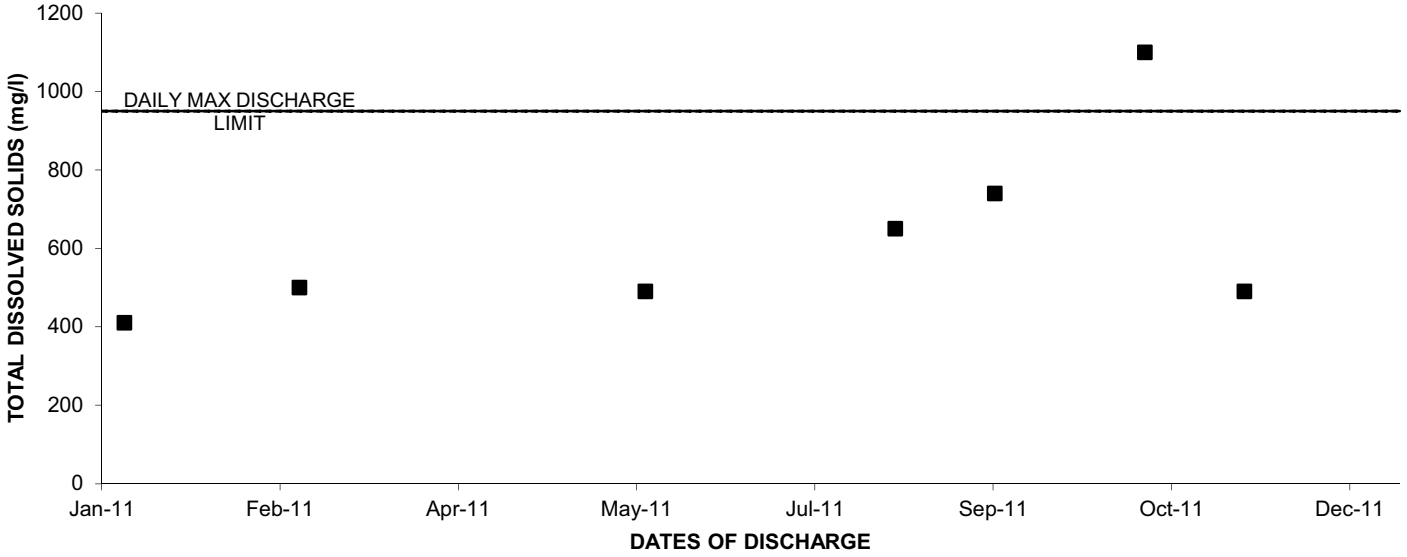
2011: OUTFALL 019 TEMPERATURE



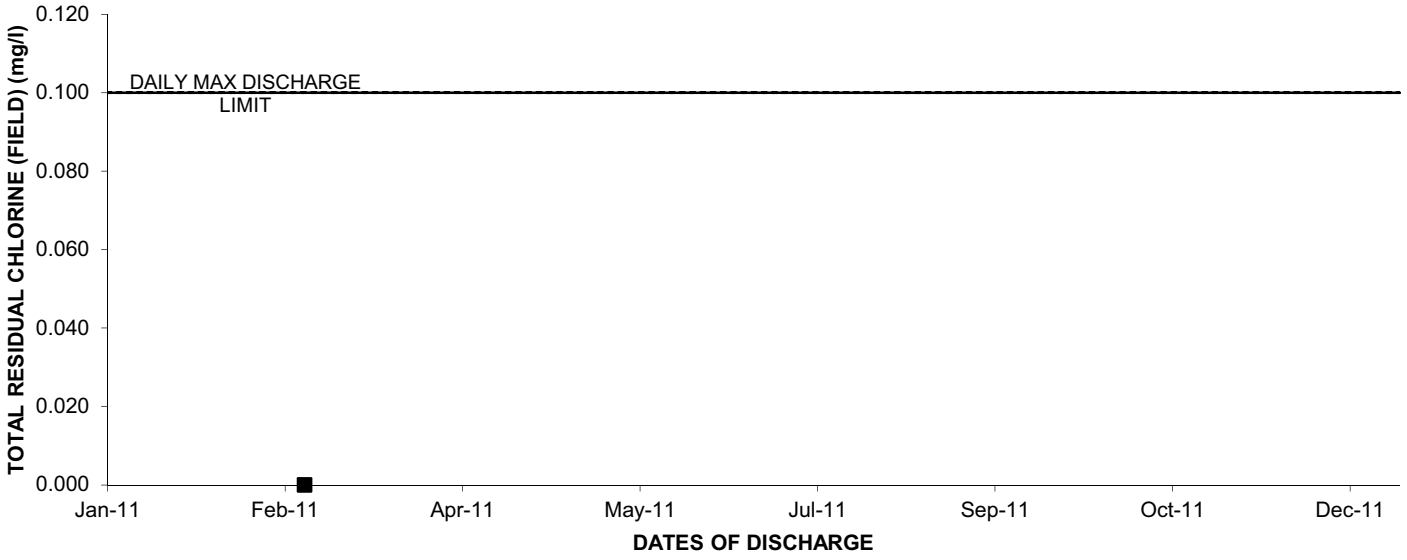
2011: OUTFALL 019 TOTAL CYANIDE



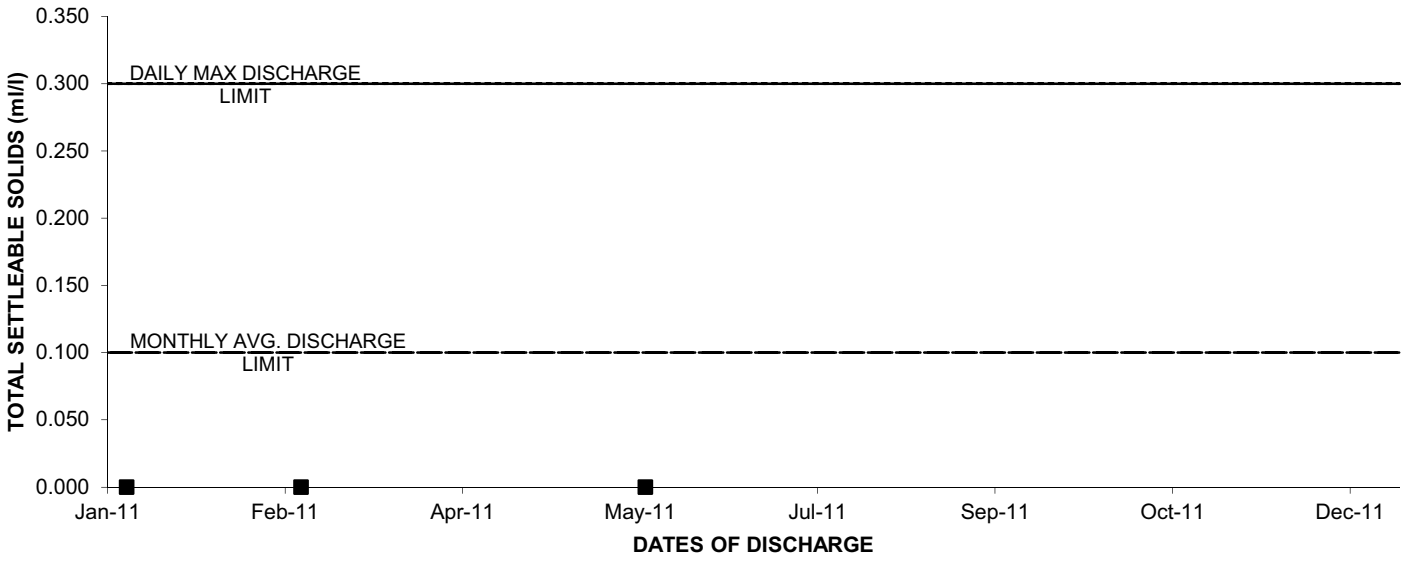
2011: OUTFALL 019 TOTAL DISSOLVED SOLIDS



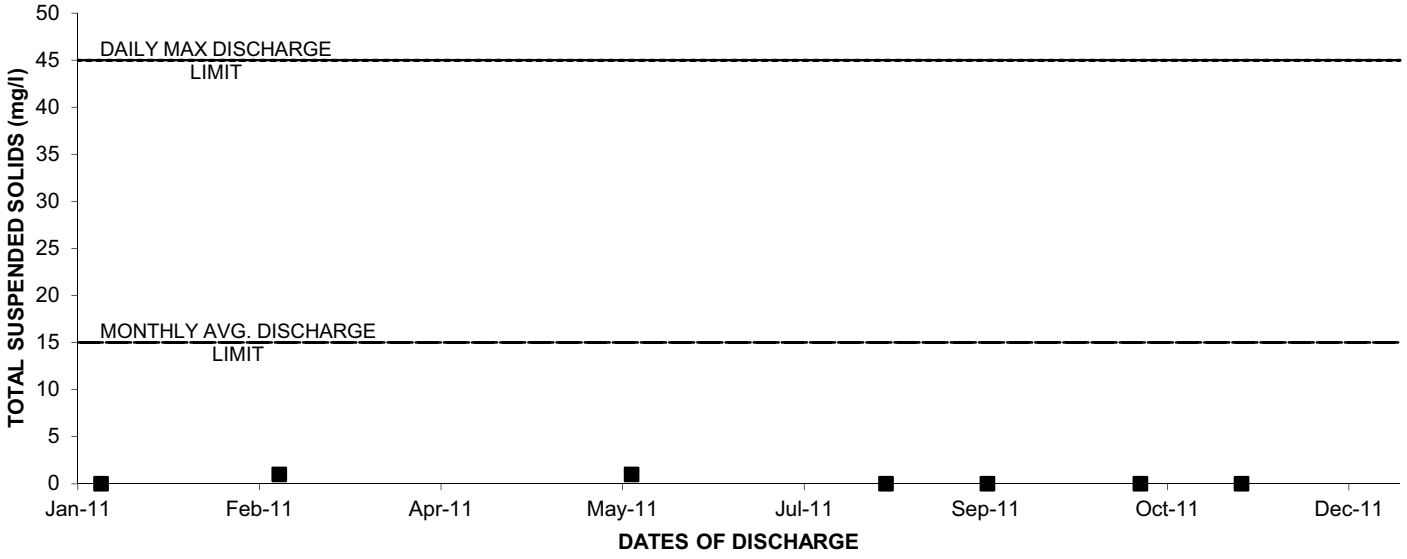
2011: OUTFALL 019 TOTAL RESIDUAL CHLORINE (FIELD)



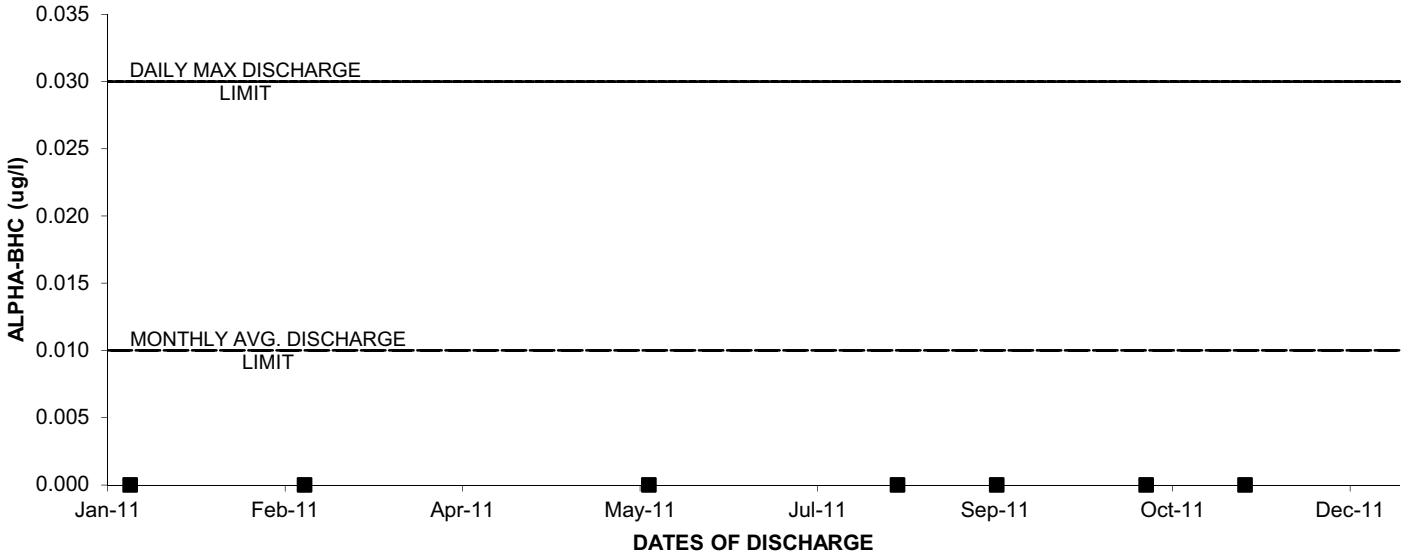
2011: OUTFALL 019 TOTAL SETTLEABLE SOLIDS



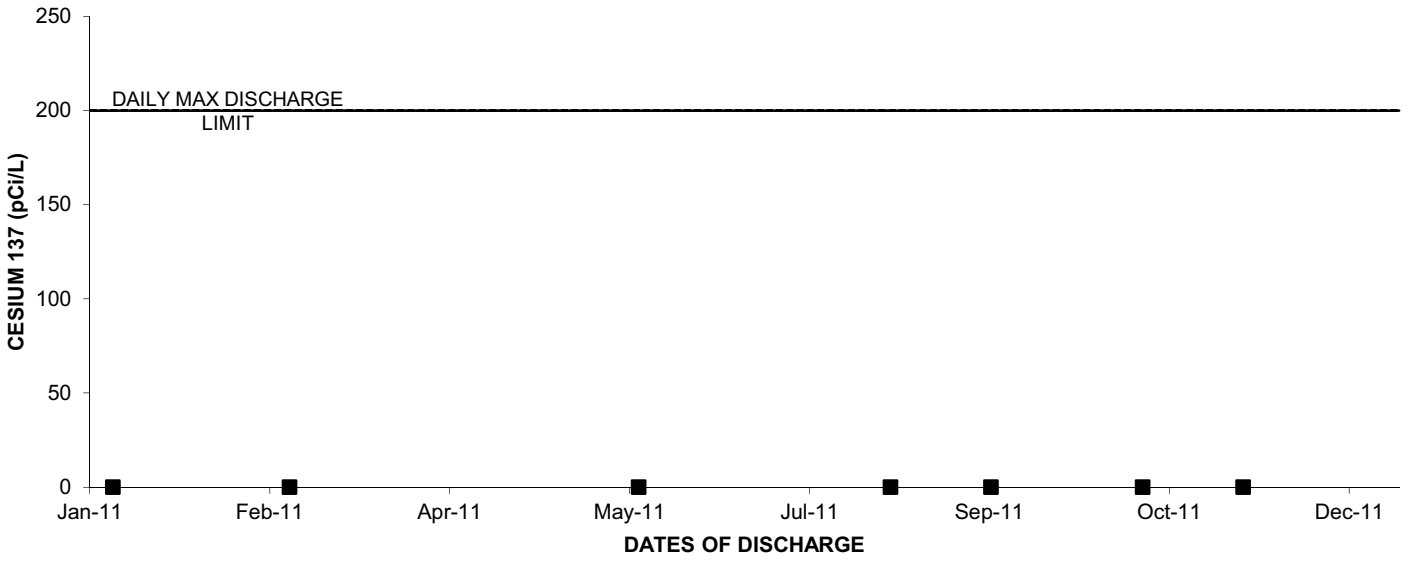
2011: OUTFALL 019 TOTAL SUSPENDED SOLIDS



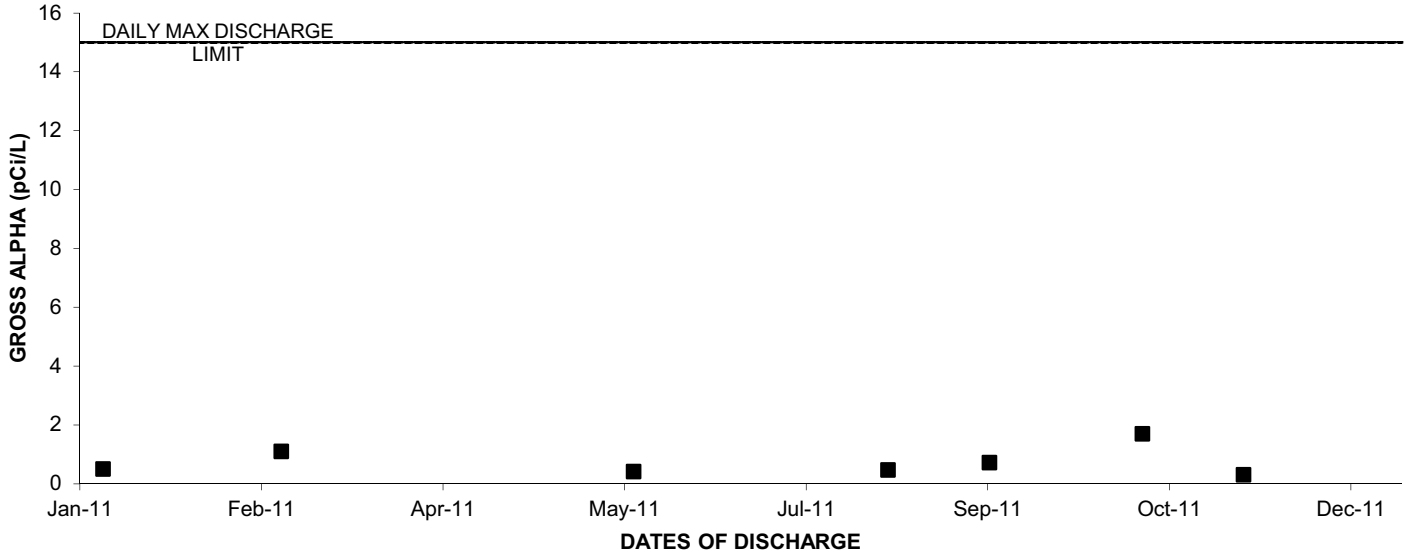
2011: OUTFALL 019 ALPHA-BHC



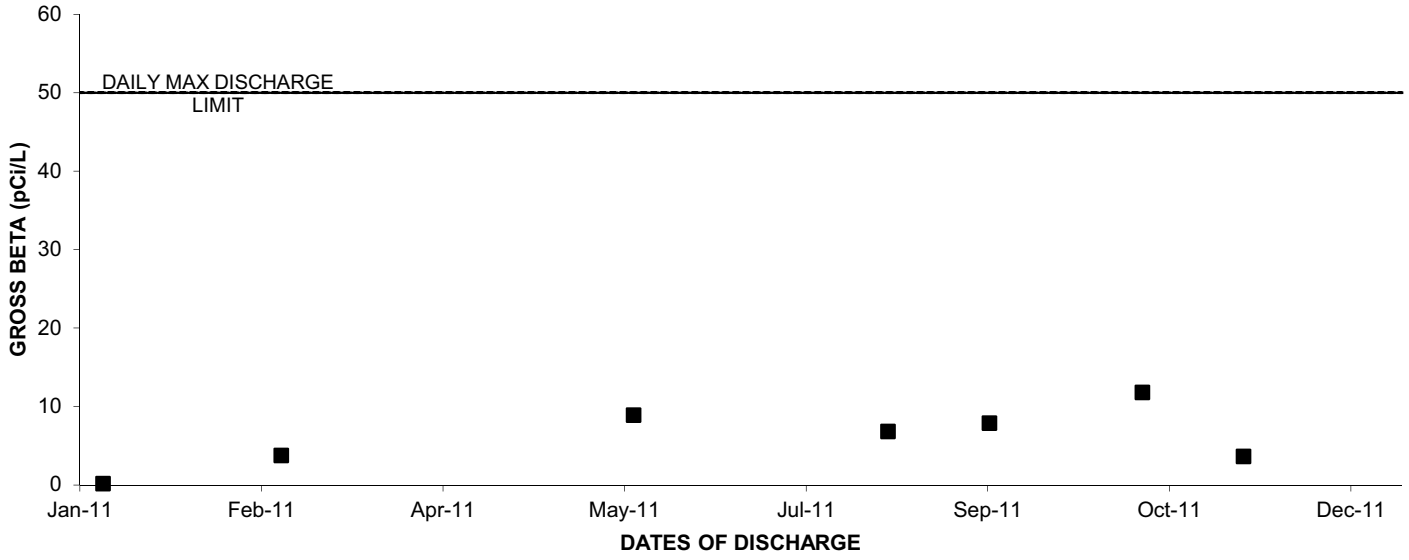
2011: OUTFALL 019 CESIUM 137



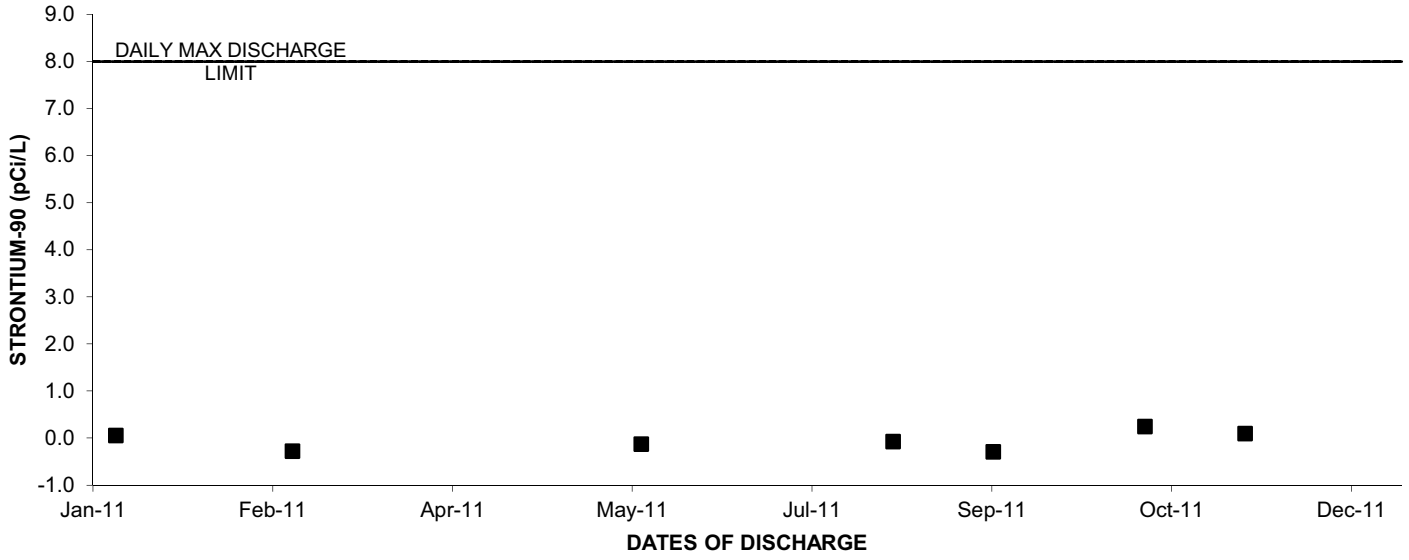
2011: OUTFALL 019 GROSS ALPHA



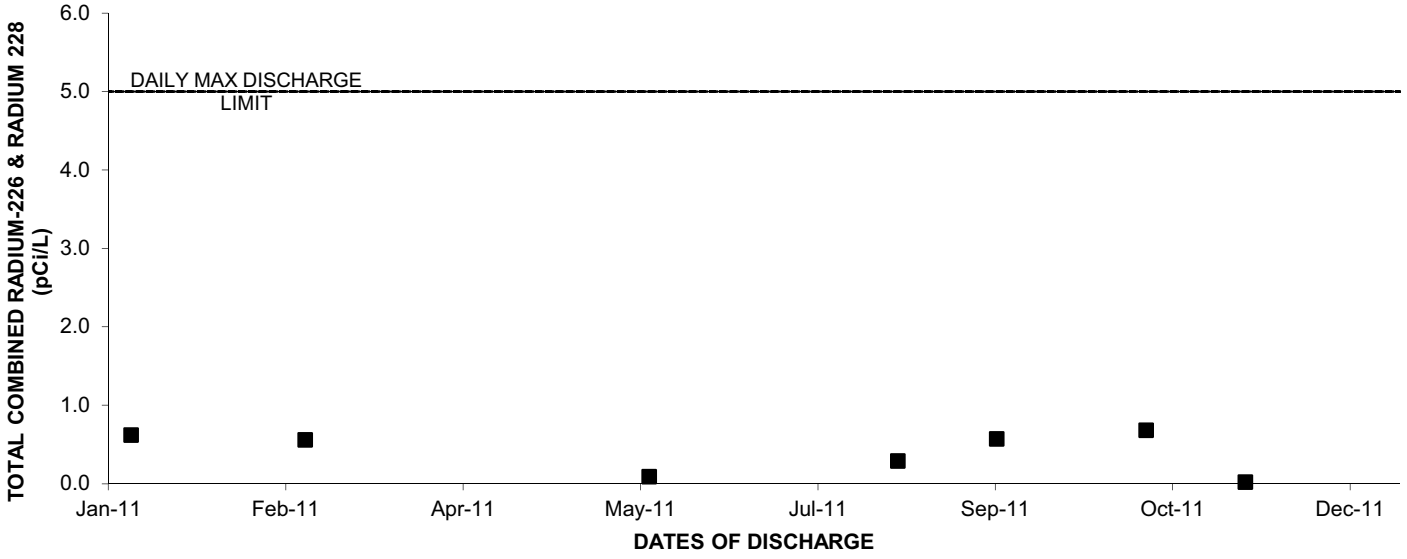
2011: OUTFALL 019 GROSS BETA



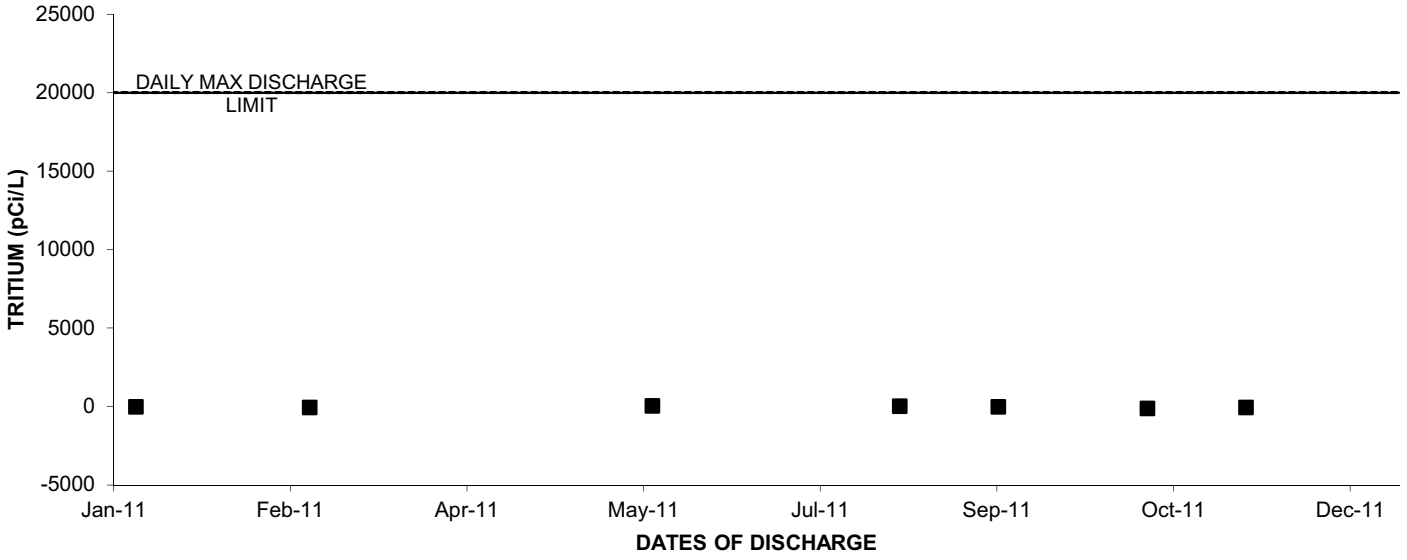
2011: OUTFALL 019 STRONTIUM-90



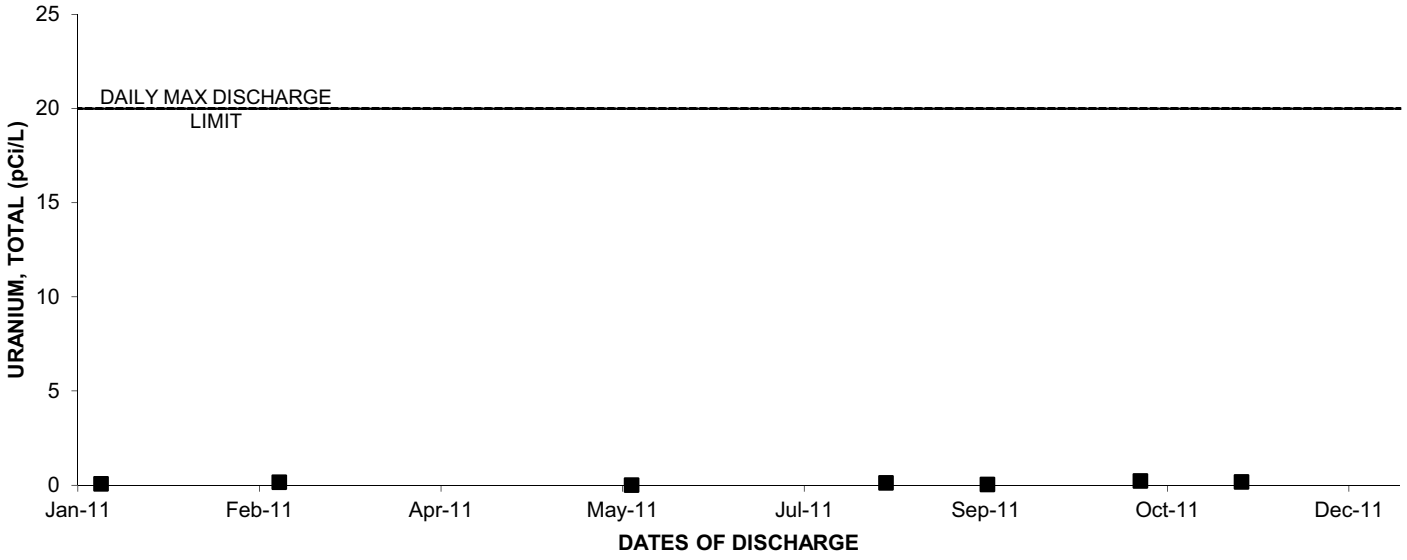
2011: OUTFALL 019 TOTAL COMBINED RADIUM-226 & RADIUM 228



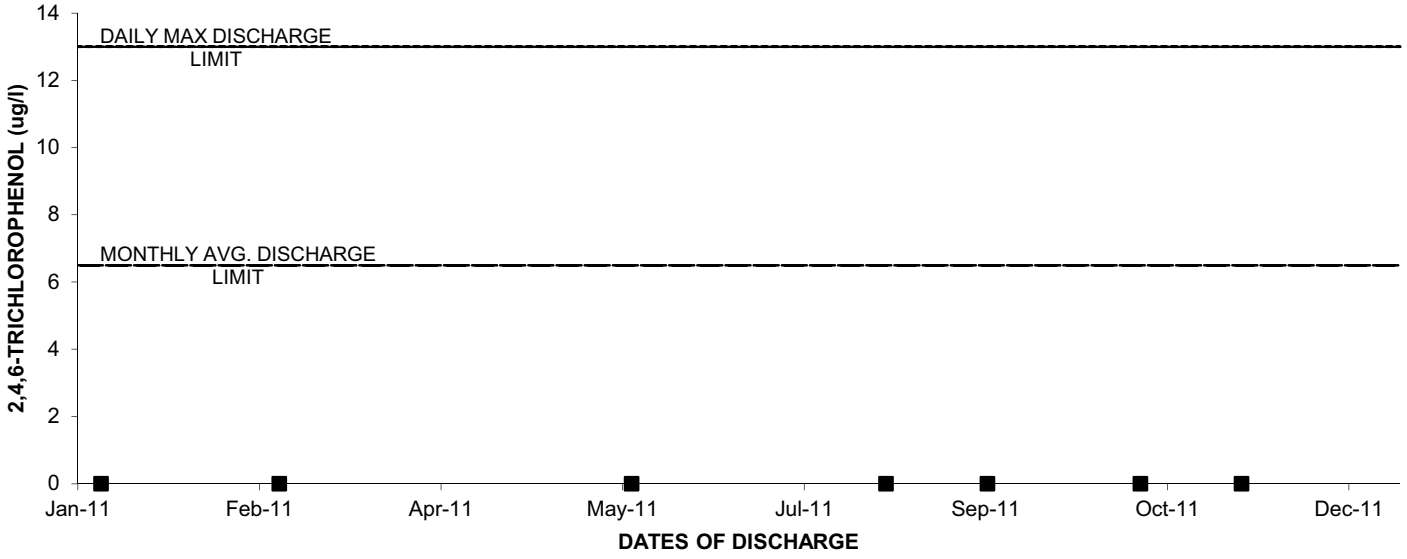
2011: OUTFALL 019 TRITIUM



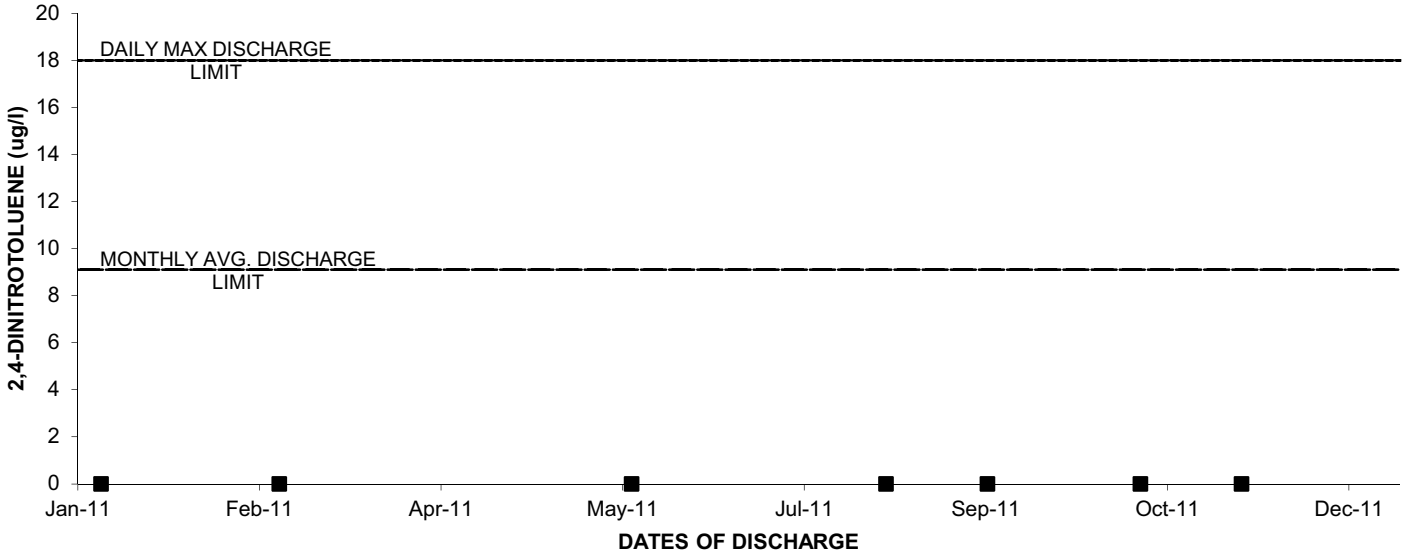
2011: OUTFALL 019 URANIUM, TOTAL



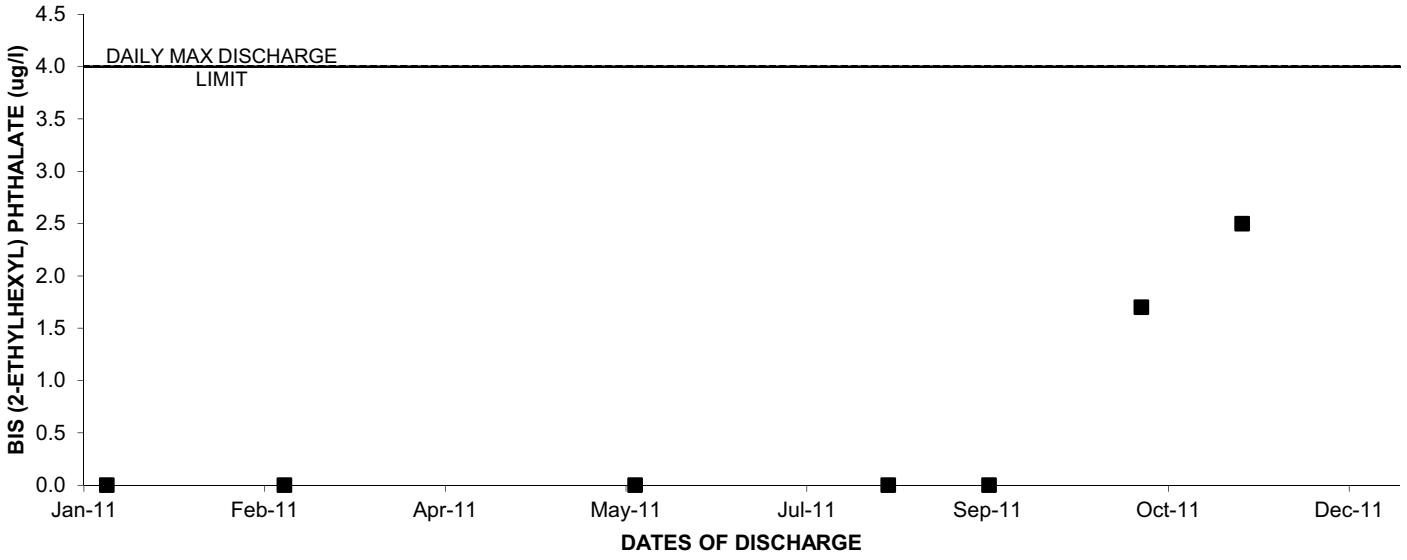
2011: OUTFALL 019 2,4,6-TRICHLOROPHENOL



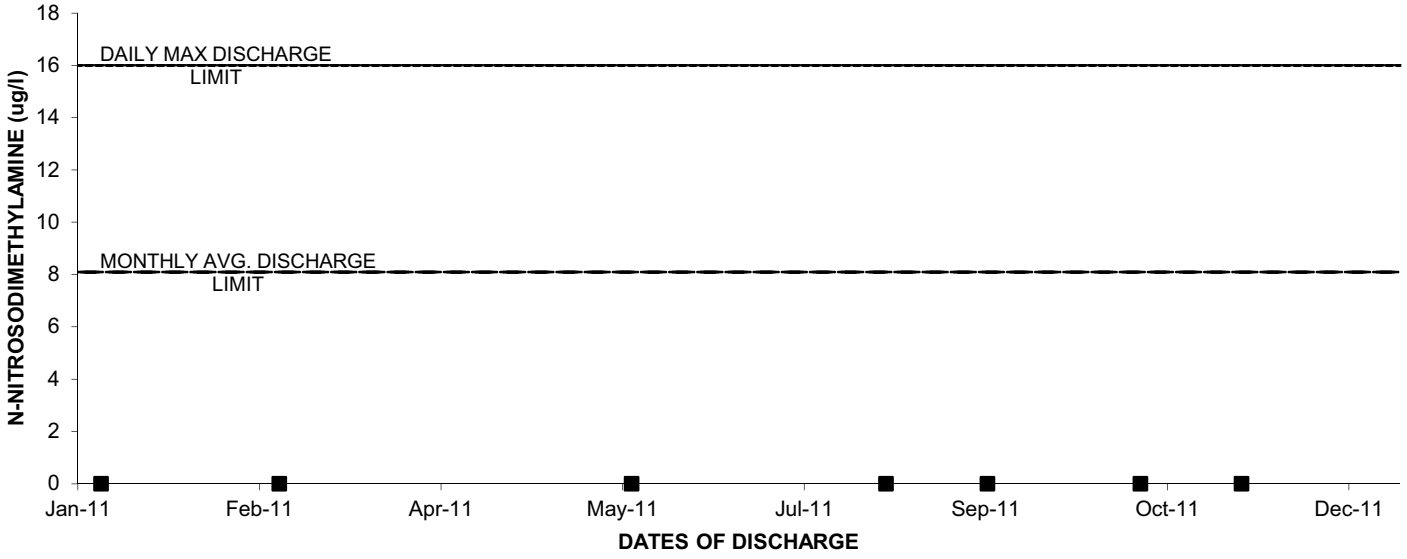
2011: OUTFALL 019 2,4-DINITROTOLUENE



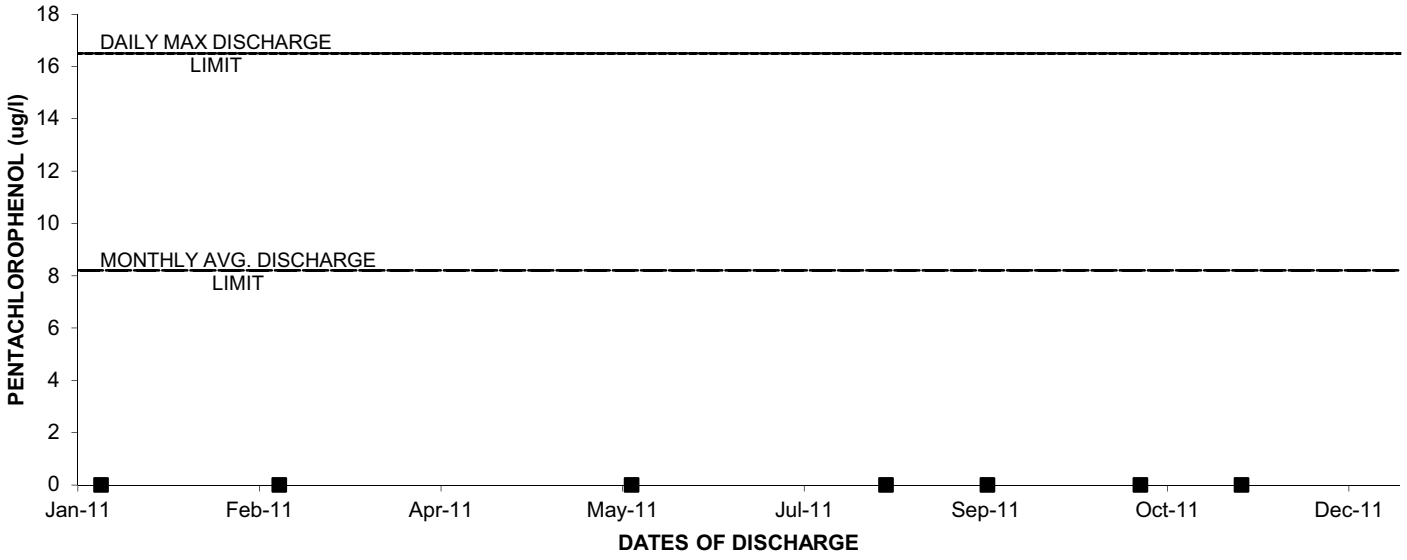
2011: OUTFALL 019 BIS (2-ETHYLHEXYL) PHTHALATE



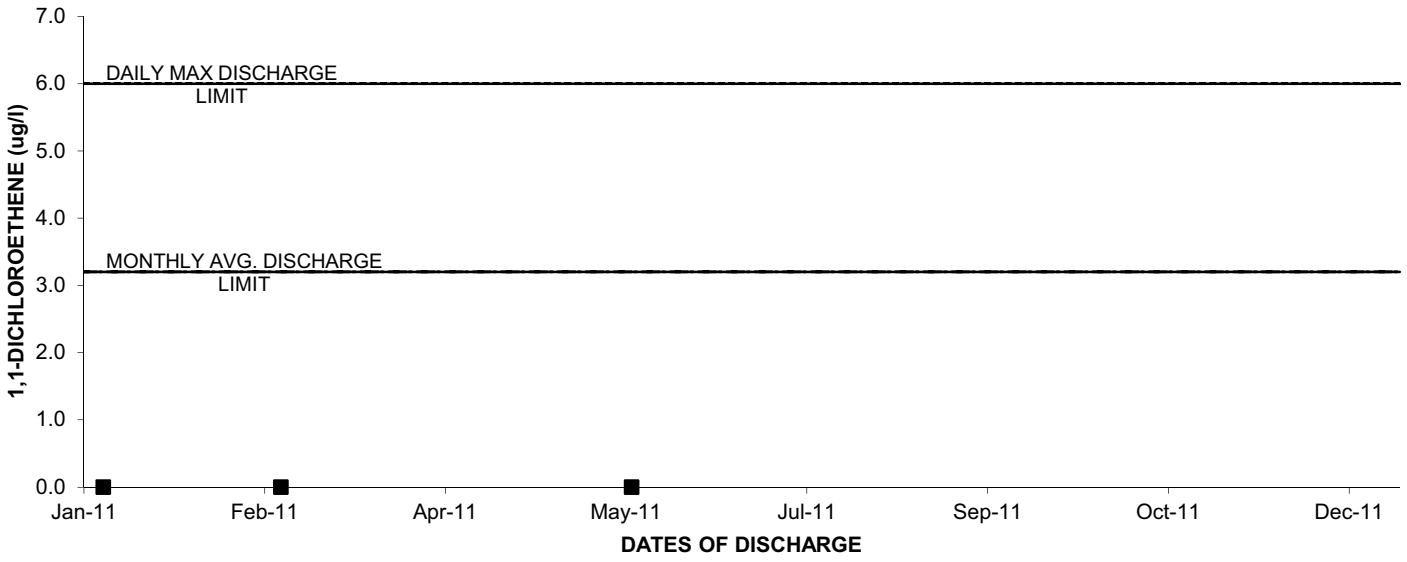
2011: OUTFALL 019 N-NITROSODIMETHYLAMINE

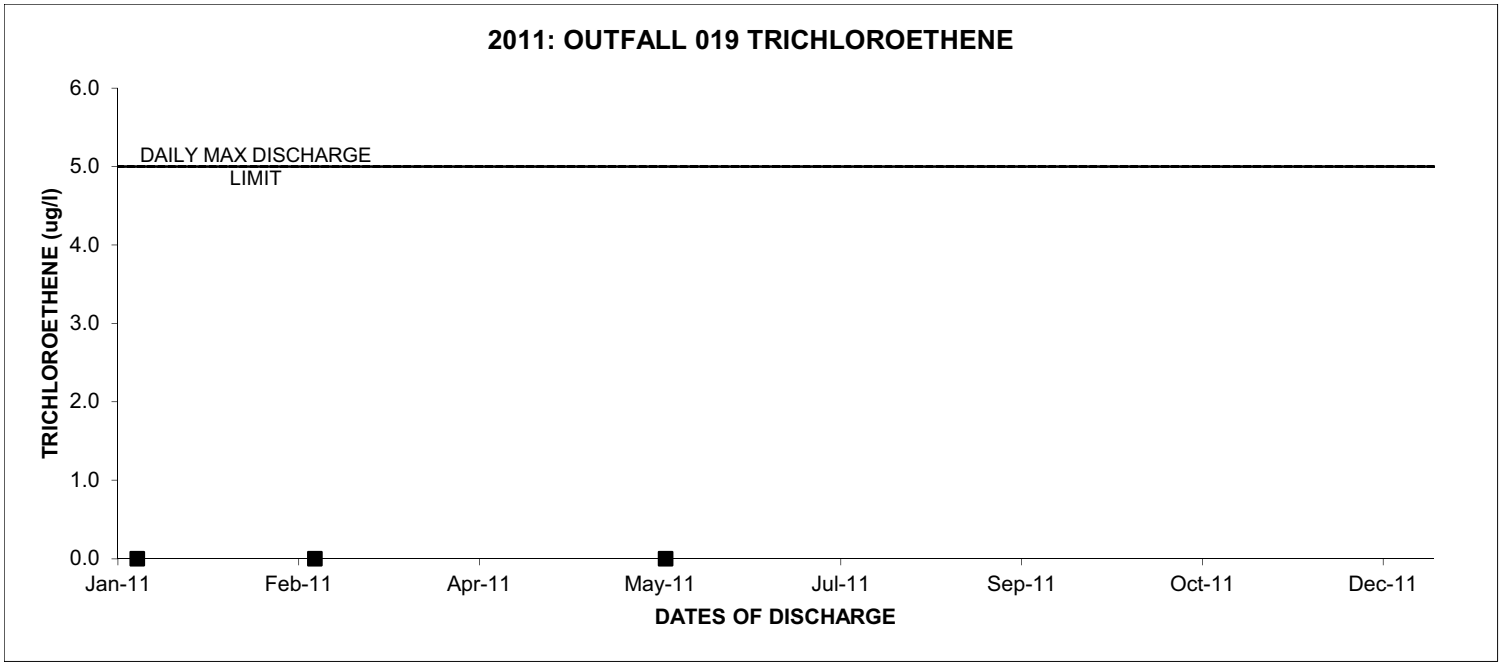


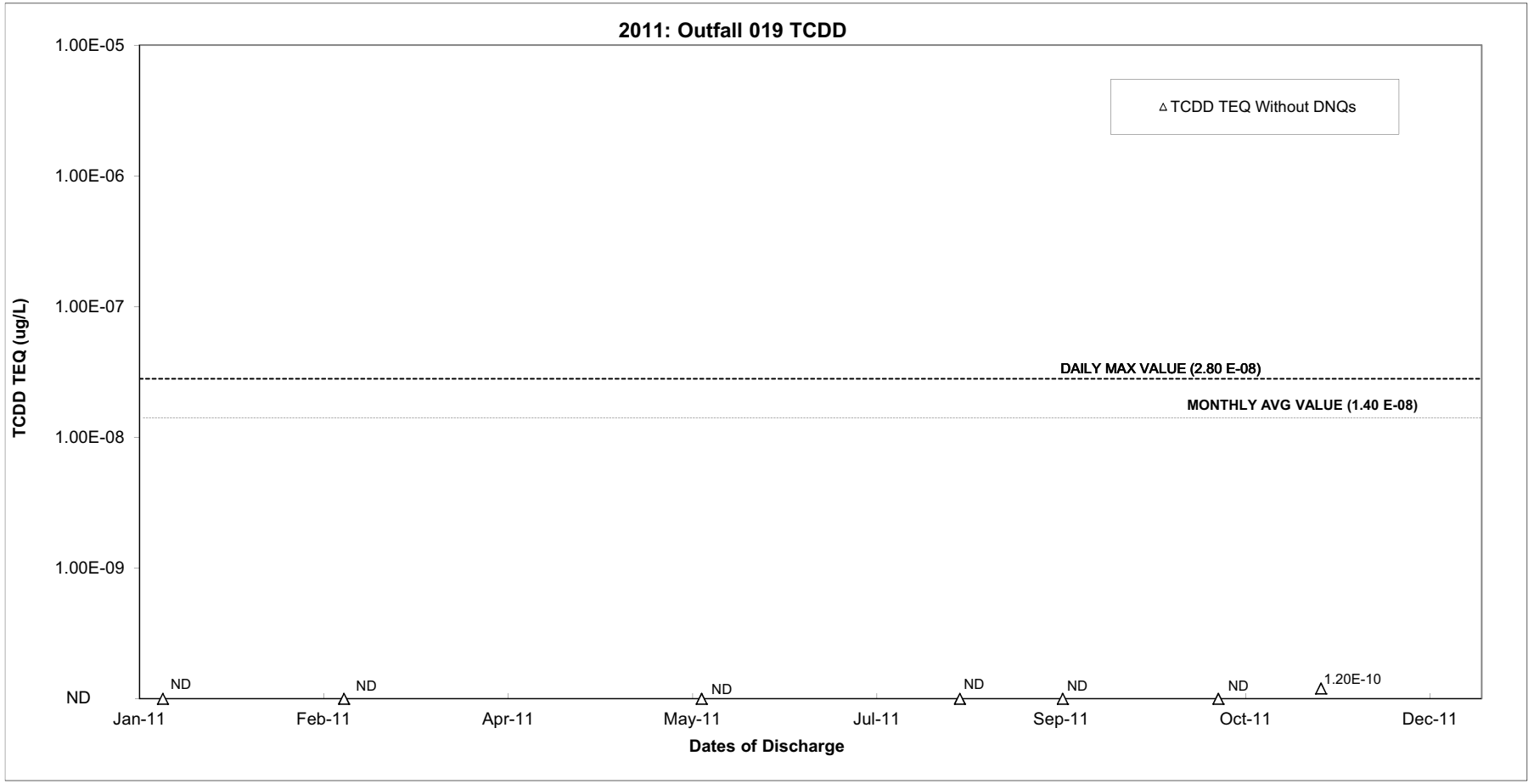
2011: OUTFALL 019 PENTACHLOROPHENOL



2011: OUTFALL 019 1,1-DICHLOROETHENE




2011: OUTFALL 019 TRICHLOROETHENE
6.0
5.0
4.0
3.0
2.0
1.0
0.0
DAILY MAX DISCHARGE LIMIT
TRICHLOROETHENE (ug/l)
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
DATES OF DISCHARGE


2011: Outfall 019 TCDD
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
MONTHLY AVG VALUE (1.40 E-08)
TCDD TEQ (ug/L)
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
ND
ND
ND
ND
ND
ND
1.20E-10
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 10

ARROYO SIMI (FRONTIER PARK RECEIVING WATER) ANNUAL 2011 REPORTING SUMMARY

ARROYO SIMI (Frontier Park Receiving Water)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			2/24/2011			3/9/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Water Velocity	ft/sec	-/-	Meas	0.02	*	ANR	ANR	ANR
Dissolved Oxygen	mg/L	/-	Grab	10.97	*	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	Grab	300	--	Grab	220	--
Fecal Coliform	MPN/100 ml	400/-	Grab	300	--	Grab	220	--
pH (Field)	pH Units	6.5-8.5/-	Grab	7.5	*	ANR	ANR	ANR
Temperature	F	-/-	Grab	51	*	ANR	ANR	ANR
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	Grab	950	--	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	Grab	10	--	ANR	ANR	ANR
Calcium	mg/L	-/-	Grab	260	--	ANR	ANR	ANR
Magnesium	mg/L	-/-	Grab	76	--	ANR	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	Grab	ND < 0.0043	*	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	Grab	ND < 0.0032	*	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	Grab	ND < 0.0043	*	ANR	ANR	ANR
Aroclor-1016	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1221	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1232	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1242	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1248	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1254	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Aroclor-1260	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	Grab	ND < 0.085	*	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	Grab	ND < 0.010	U	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	Grab	ND < 0.10	U	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	Grab	ND < 0.0021	*	ANR	ANR	ANR
Toxaphene	ug/L	0.0003/-	Grab	ND < 0.27	*	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

ARROYO SIMI (Frontier Park Receiving Water)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/14/2011			3/19/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Water Velocity	ft/sec	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dissolved Oxygen	mg/L	/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	Grab	23.0	*	Grab	>=1600	--
Fecal Coliform	MPN/100 ml	400/-	Grab	23.0	*	Grab	>=1600	--
pH (Field)	pH Units	6.5-8.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Temperature	F	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

ARROYO SIMI (Frontier Park Receiving Water)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			3/24/2011			3/29/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Water Velocity	ft/sec	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Dissolved Oxygen	mg/L	/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	Grab	>=1600	--	Grab	70.0	--
Fecal Coliform	MPN/100 ml	400/-	Grab	>=1600	--	Grab	140	--
pH (Field)	pH Units	6.5-8.5/-	ANR	ANR	ANR	ANR	ANR	ANR
Temperature	F	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Magnesium	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDD	ug/L	0.0014/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDE	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
4,4'-DDT	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1016	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1221	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1232	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1242	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1248	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1254	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Aroclor-1260	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlordane	ug/L	0.001/-	ANR	ANR	ANR	ANR	ANR	ANR
Chlorpyrifos	ug/L	0.02/-	ANR	ANR	ANR	ANR	ANR	ANR
Diazinon	ug/L	0.16/-	ANR	ANR	ANR	ANR	ANR	ANR
Dieldrin	ug/L	0.0002/-	ANR	ANR	ANR	ANR	ANR	ANR
Toxaphene	ug/L	0.0003/-	ANR	ANR	ANR	ANR	ANR	ANR

See attached notes for abbreviations, definitions, and other explanations for the data presented.

ARROYO SIMI (Frontier Park Receiving Water)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			4/4/2011			5/12/2011		
ANALYTE	UNITS	Permit Limit Daily Max/Monthly Avg	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER	SAMPLE TYPE	RESULT	VALIDATION QUALIFIER
Water Velocity	ft/sec	-/-	ANR	ANR	ANR	ANR	0.05	*
Dissolved Oxygen	mg/L	/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	Grab	110	*	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	Grab	170	*	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	ANR	ANR	ANR	Grab	7.8	*
Temperature	F	-/-	ANR	ANR	ANR	Grab	56	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	ANR	ANR	ANR	Grab	930	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	ANR	ANR	ANR	Grab	240	--
Magnesium	mg/L	-/-	ANR	ANR	ANR	Grab	82	--
4,4'-DDD	ug/L	0.0014/-	ANR	ANR	ANR	Grab	ND < 0.0038	UJ (C)
4,4'-DDE	ug/L	0.001/-	ANR	ANR	ANR	Grab	ND < 0.0028	U
4,4'-DDT	ug/L	0.001/-	ANR	ANR	ANR	Grab	ND < 0.0038	U
Aroclor-1016	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1221	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1232	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1242	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1248	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1254	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Aroclor-1260	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U
Chlordane	ug/L	0.001/-	ANR	ANR	ANR	Grab	ND < 0.075	U
Chlorpyrifos	ug/L	0.02/-	ANR	ANR	ANR	Grab	ND < 0.010	U
Diazinon	ug/L	0.16/-	ANR	ANR	ANR	Grab	ND < 0.10	UJ (H)
Dieldrin	ug/L	0.0002/-	ANR	ANR	ANR	Grab	ND < 0.0019	U
Toxaphene	ug/L	0.0003/-	ANR	ANR	ANR	Grab	ND < 0.24	U

See attached notes for abbreviations, definitions, and other explanations for the data presented.

ARROYO SIMI (Frontier Park Receiving Water)

ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

			8/9/2011			11/10/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Water Velocity	ft/sec	-/-	ANR	NM	*	ANR	2.86	*
Dissolved Oxygen	mg/L	/-	ANR	ANR	ANR	ANR	ANR	ANR
E. Coli	MPN/100 ml	235/-	ANR	ANR	ANR	ANR	ANR	ANR
Fecal Coliform	MPN/100 ml	400/-	ANR	ANR	ANR	ANR	ANR	ANR
pH (Field)	pH Units	6.5-8.5/-	Grab	7.4	*	Grab	7.3	*
Temperature	F	-/-	Grab	68	*	Grab	64	*
Total Cyanide	ug/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Hardness	mg/L	-/-	Grab	730	--	Grab	820	--
Total Suspended Solids	mg/L	-/-	ANR	ANR	ANR	ANR	ANR	ANR
Calcium	mg/L	-/-	Grab	190	--	Grab	220	--
Magnesium	mg/L	-/-	Grab	63	--	Grab	66	--
4,4'-DDD	ug/L	0.0014/-	Grab	ND < 0.0038	*	Grab	ND < 0.0038	*
4,4'-DDE	ug/L	0.001/-	Grab	ND < 0.0028	*	Grab	ND < 0.0029	*
4,4'-DDT	ug/L	0.001/-	Grab	ND < 0.0038	*	Grab	ND < 0.0038	C5* (C5)
Aroclor-1016	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1221	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1232	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1242	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1248	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1254	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Aroclor-1260	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*
Chlordane	ug/L	0.001/-	Grab	ND < 0.075	*	Grab	ND < 0.076	*
Chlorpyrifos	ug/L	0.02/-	Grab	ND < 0.080	U	Grab	ND < 0.080	*
Diazinon	ug/L	0.16/-	Grab	ND < 0.040	U	Grab	ND < 0.040	*
Dieldrin	ug/L	0.0002/-	Grab	ND < 0.0019	*	Grab	ND < 0.0019	*
Toxaphene	ug/L	0.0003/-	Grab	ND < 0.24	*	Grab	ND < 0.24	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

ARROYO SIMI SEDIMENT (Frontier Park Receiving Water)

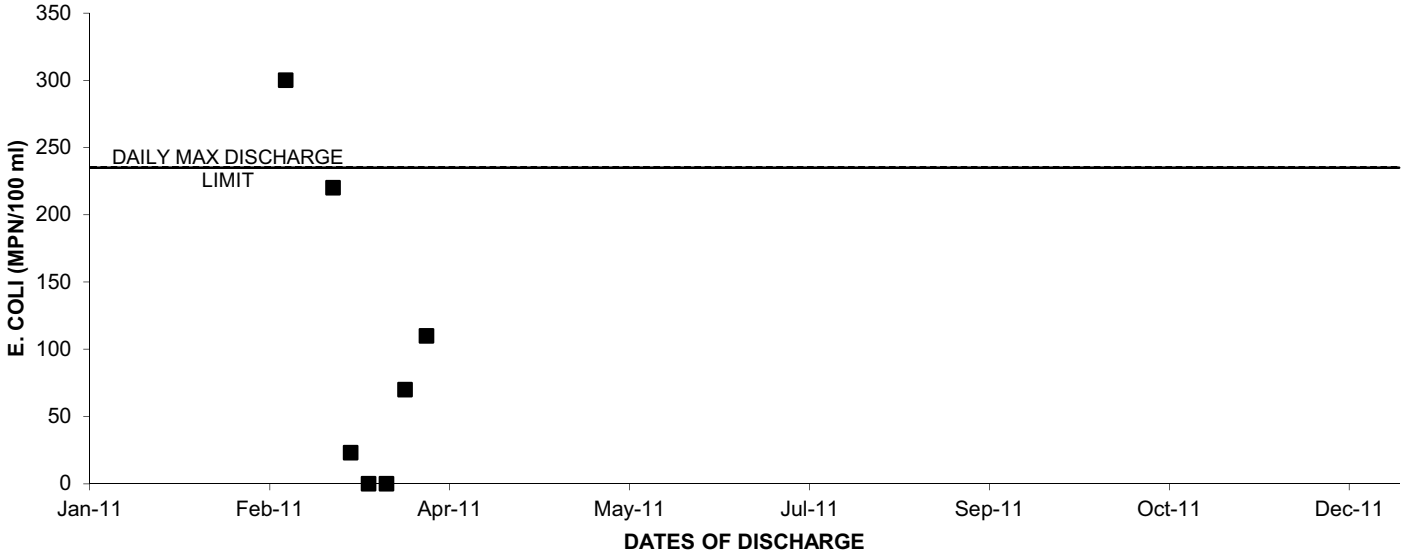
ANNUAL 2011 REPORTING SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

January 1 through December 31, 2011

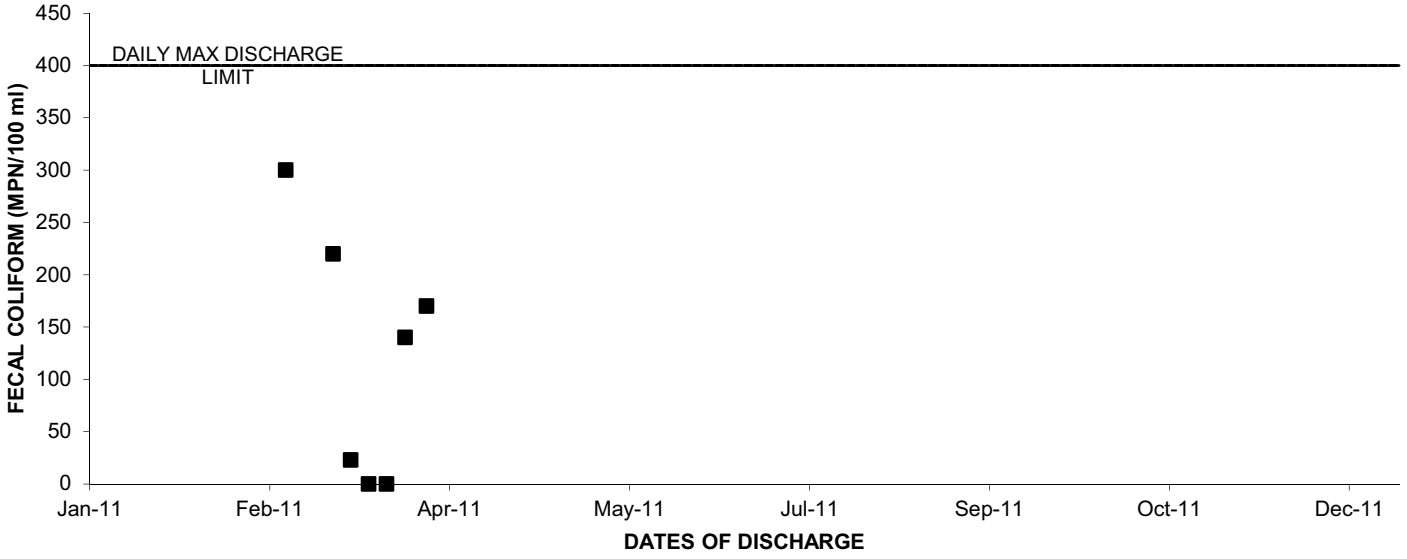
			2/24/2011		
ANALYTE	**UNITS**	**Permit Limit Daily Max/Monthly Avg**	**SAMPLE TYPE**	**RESULT**	**VALIDATION QUALIFIER**
Water Velocity	ft/sec	-/-	Meas	0.02	*
Ammonia as Nitrogen (N)	mg/kg	-/-	Grab	2.0	J (DNQ)
Dissolved Oxygen	mg/L	-/-	Grab	8.51	*
pH (Field)	pH Units	-/-	Grab	7.8	*
Temperature	F	-/-	Grab	50	*
Conductivity (Field)	umhos/cm	-/-	Grab	1230	*
Total Organic Carbon	mg/kg	-/-	Grab	ND < 1700	*
Percent Moisture	%	-/-	Grab	22	*
4,4'-DDD	ug/kg	14/-	Grab	ND < 1.5	*
4,4'-DDE	ug/kg	170/-	Grab	ND < 1.5	*
4,4'-DDT	ug/kg	25/-	Grab	ND < 1.5	*
Aroclor-1016	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1221	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1232	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1242	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1248	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1254	ug/kg	25700/-	Grab	ND < 14	*
Aroclor-1260	ug/kg	25700/-	Grab	ND < 14	*
Chlordane	ug/kg	3.3/-	Grab	ND < 10	*
Dieldrin	ug/kg	1.1/-	Grab	ND < 1.5	*
Toxaphene	ug/kg	230/-	Grab	ND < 50	*
Sediment toxicity	%	-/-	Grab	100	*
Bivalve Embryo toxicity	%	-/-	Grab	100	*
PARTICLE SIZE DISTRIBUTION					
Gravel	%	-/-	Grab	5.49	*
Coarse Sand	%	-/-	Grab	10.72	*
Medium Sand	%	-/-	Grab	79.39	*
Fine Sand	%	-/-	Grab	3.95	*
Silt/Clay	%	-/-	Grab	0.44	*

See attached notes for abbreviations, definitions, and other explanations for the data presented.

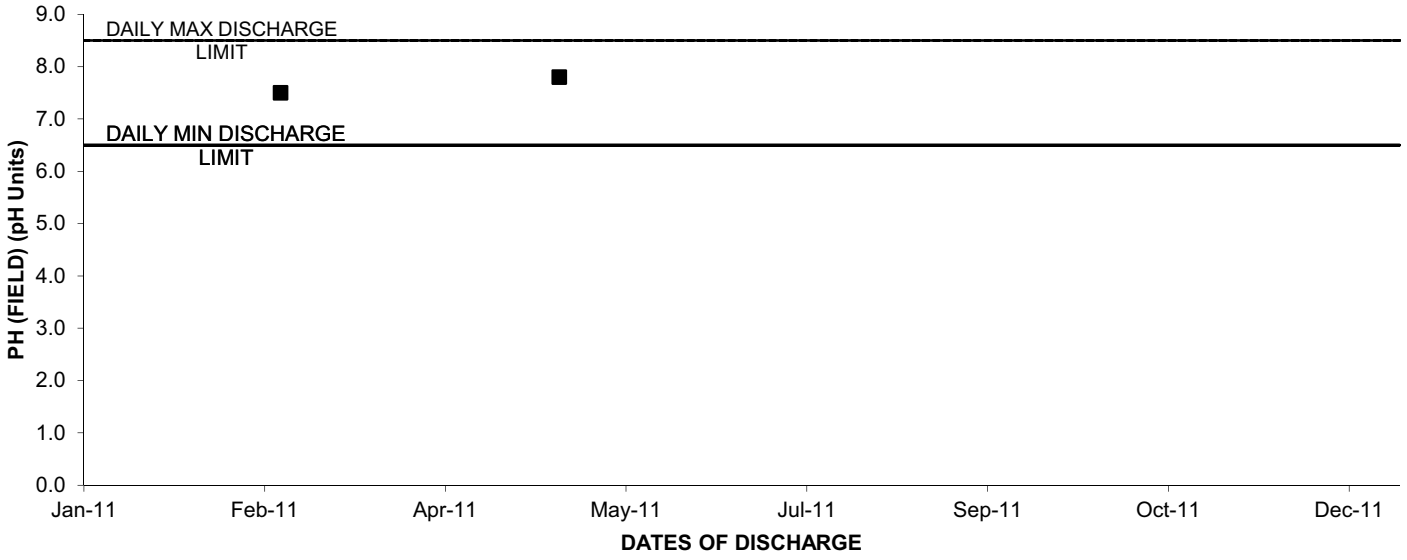
2011: ARROYO SIMI E. COLI



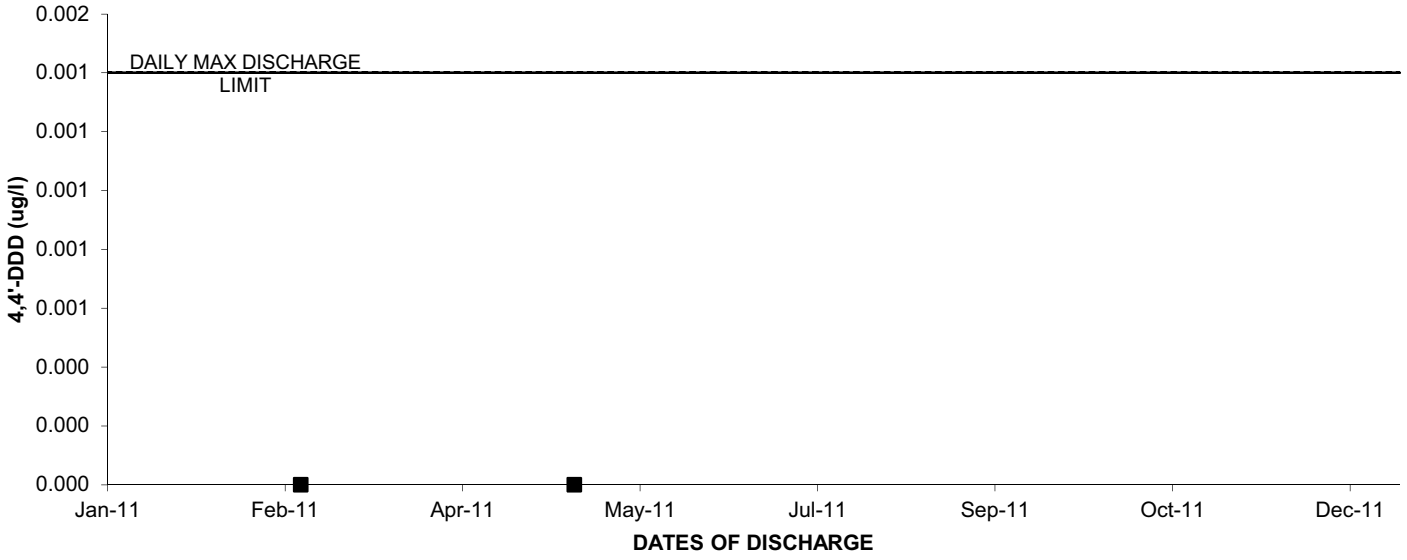
2011: ARROYO SIMI FECAL COLIFORM



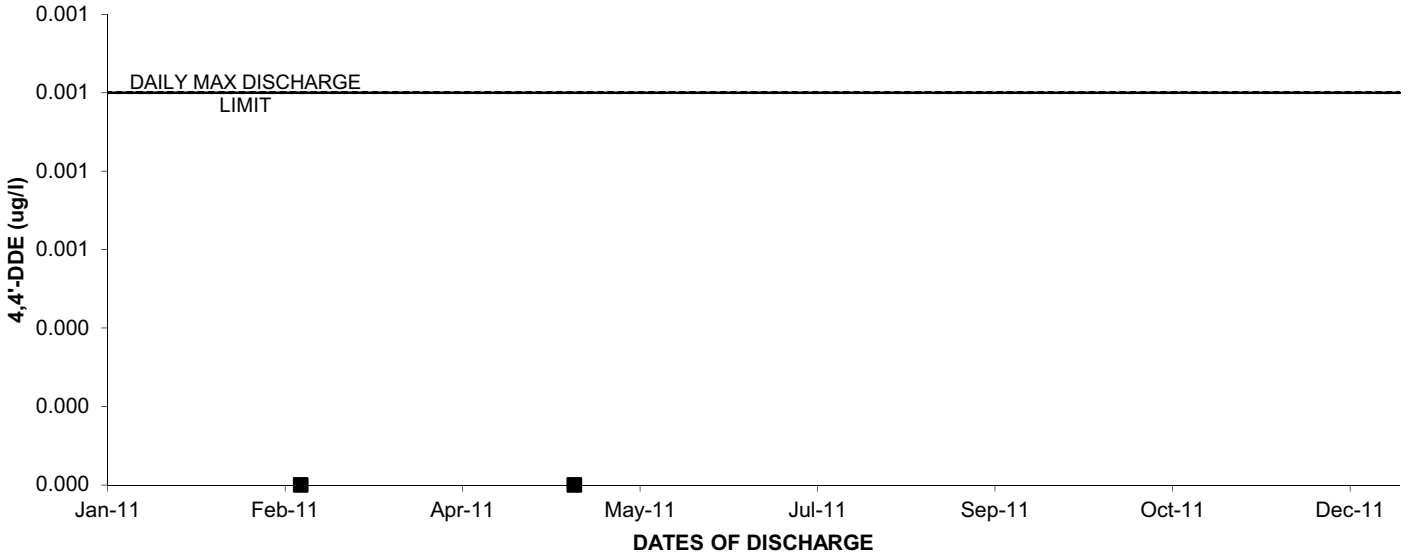
2011: ARROYO SIMI PH (FIELD)



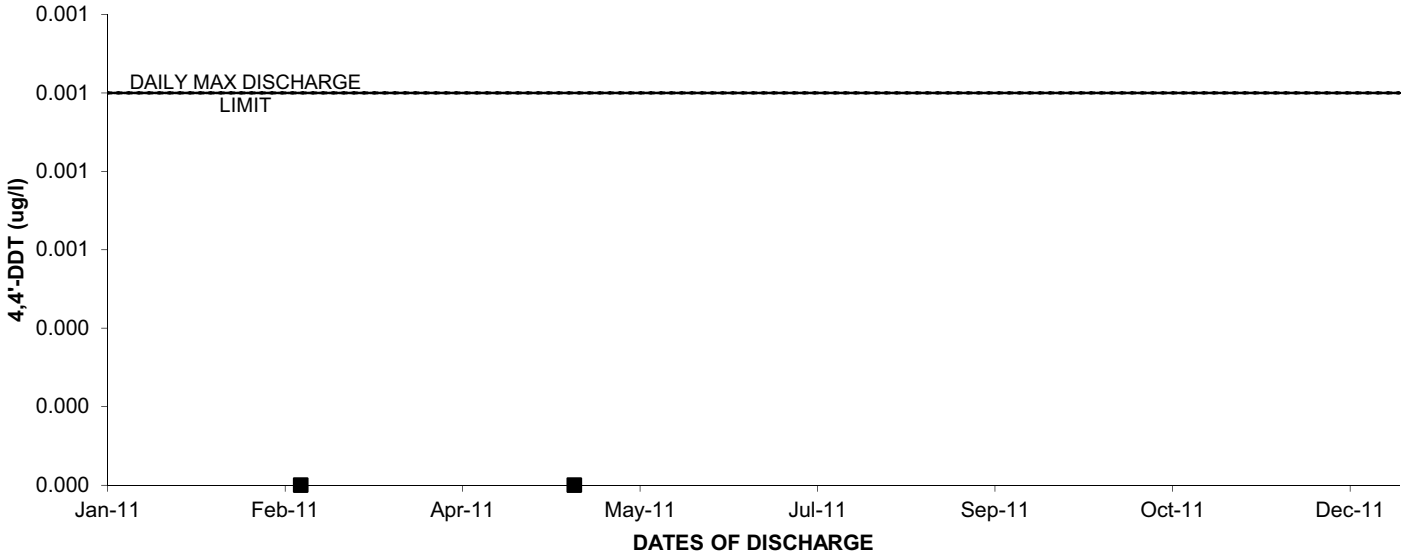
2011: ARROYO SIMI 4,4'-DDD



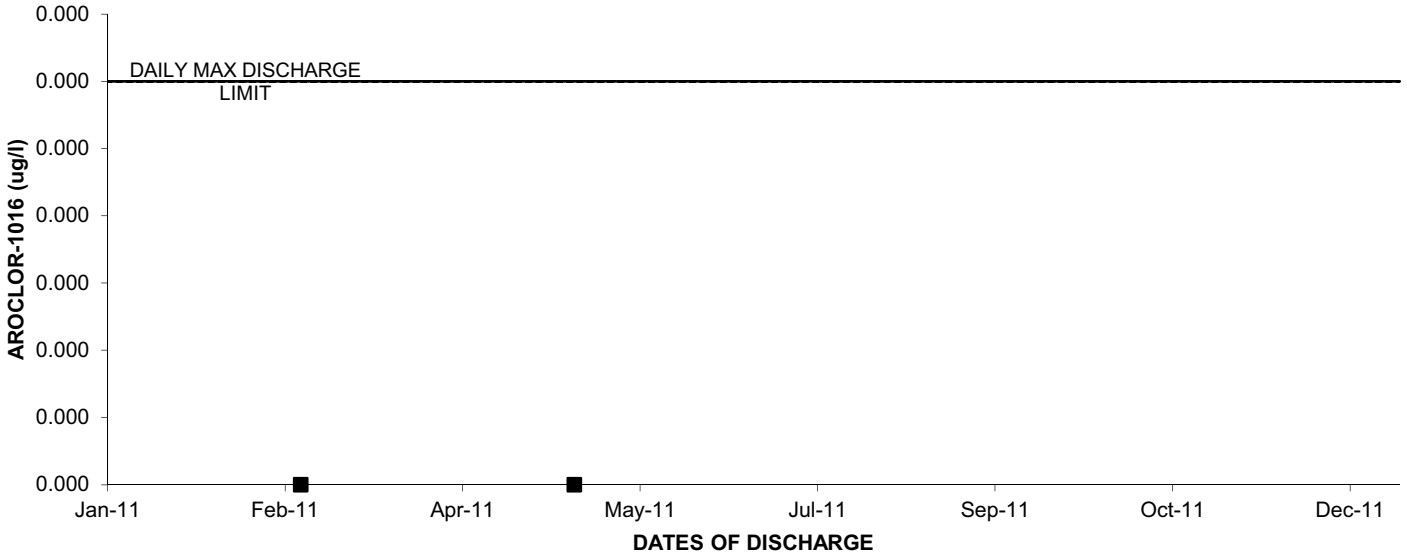
2011: ARROYO SIMI 4,4'-DDE



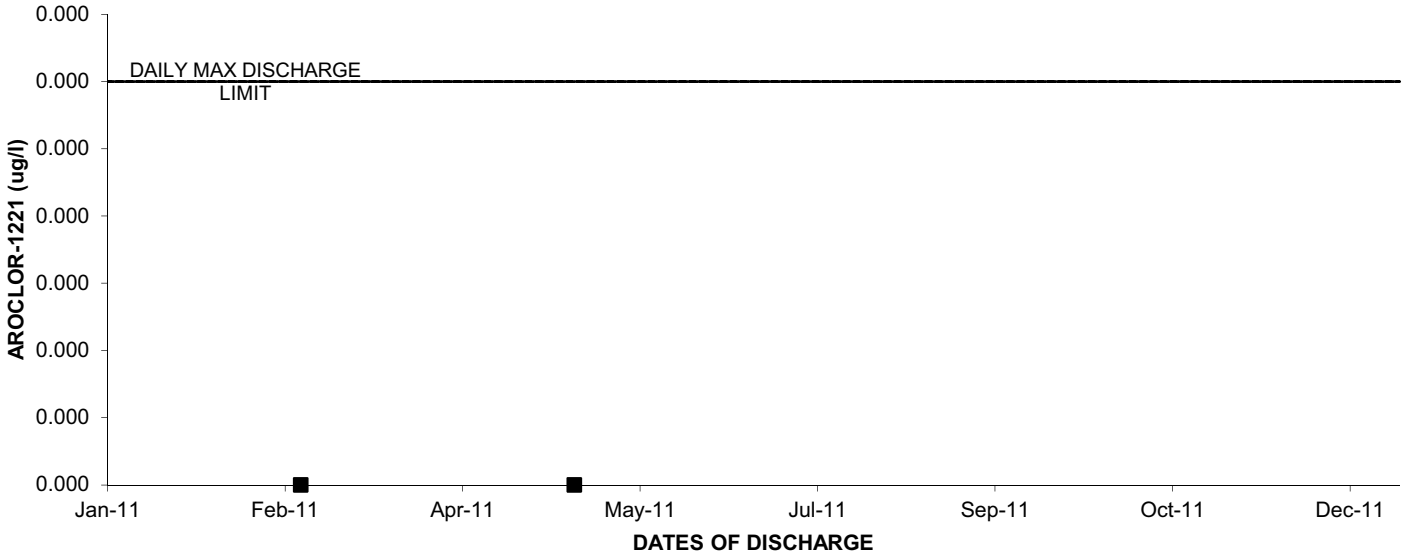
2011: ARROYO SIMI 4,4'-DDT



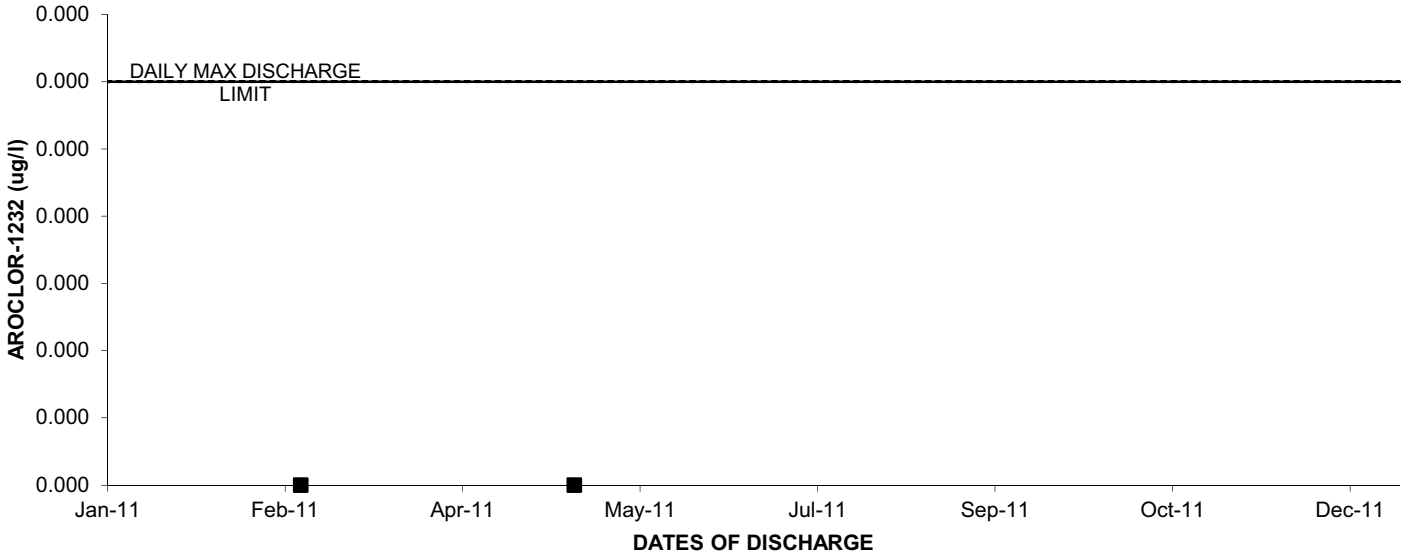
2011: ARROYO SIMI AROCLOR-1016



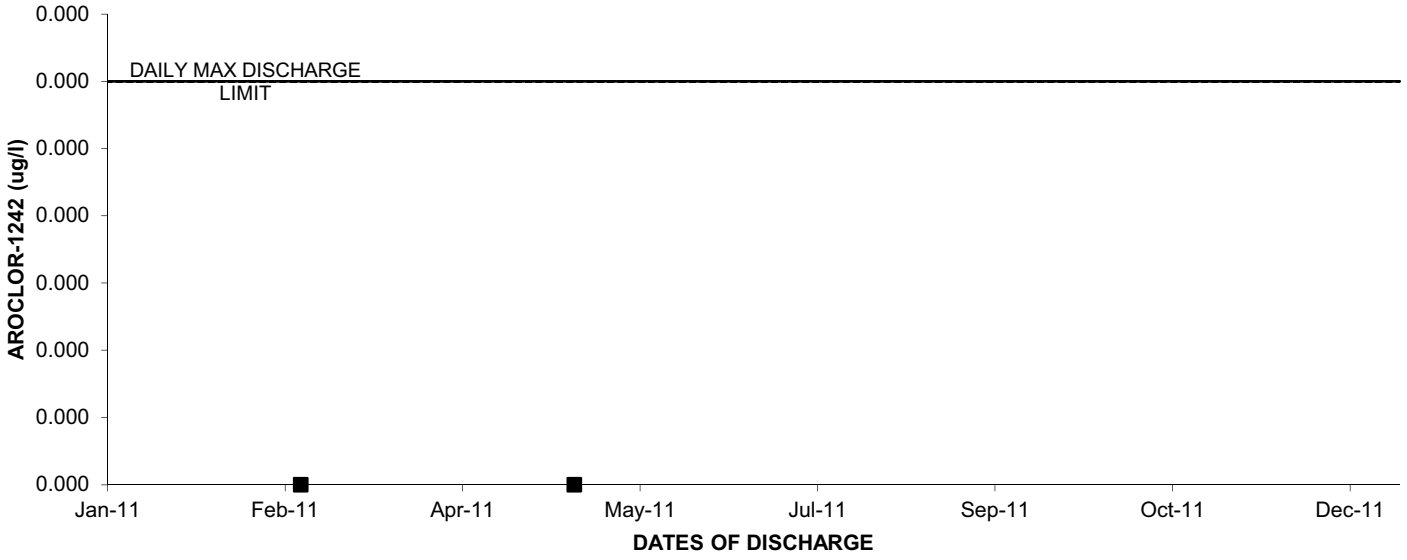
2011: ARROYO SIMI AROCLOR-1221



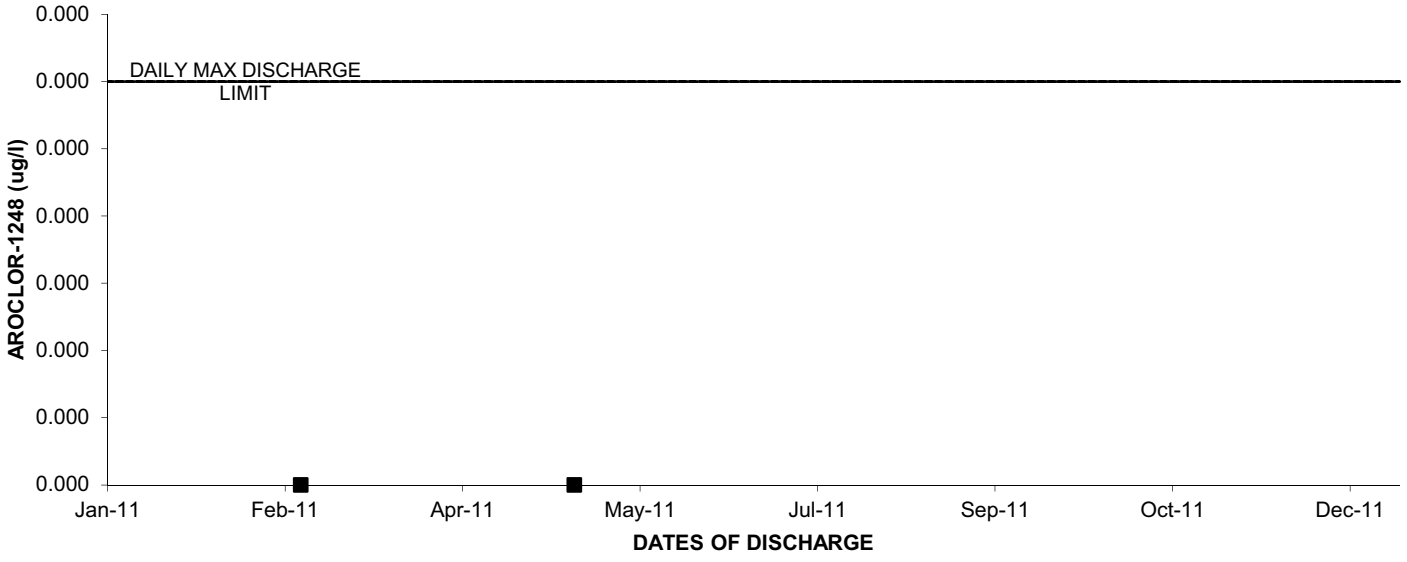
2011: ARROYO SIMI AROCLOR-1232



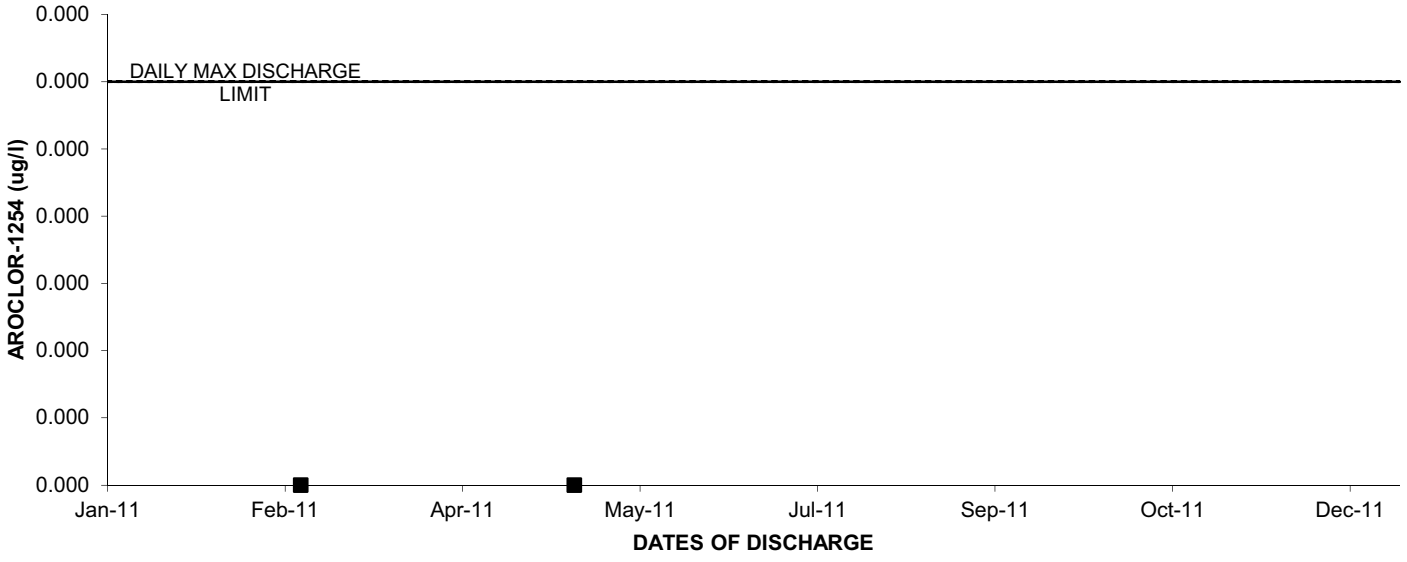
2011: ARROYO SIMI AROCLOR-1242



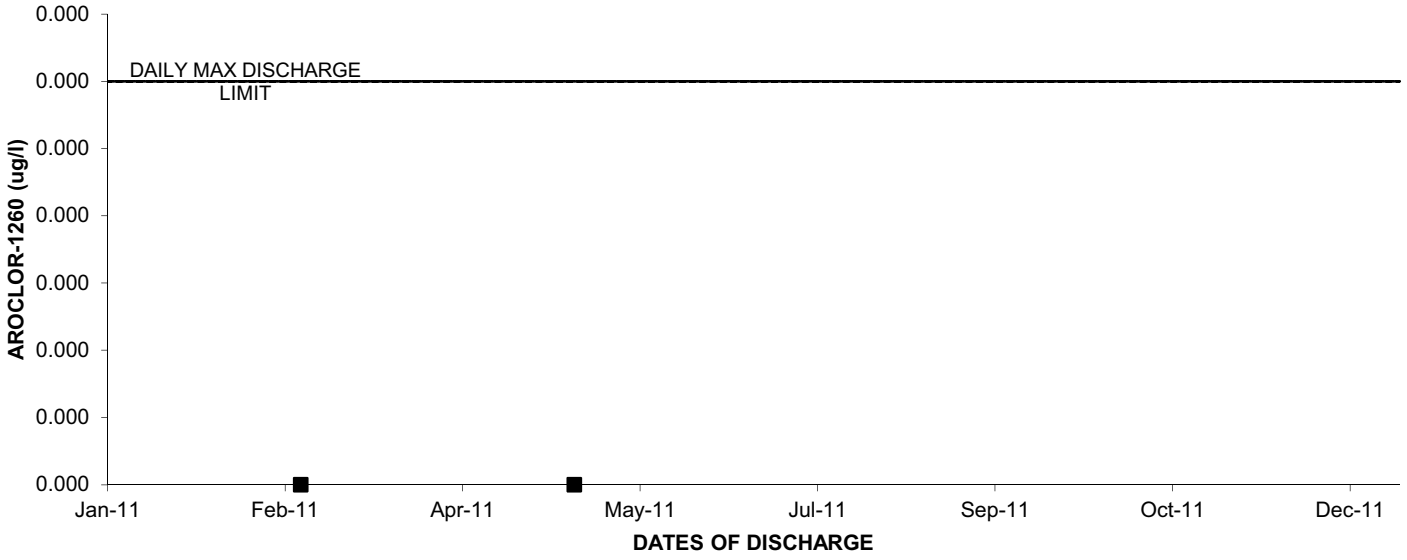
2011: ARROYO SIMI AROCLOR-1248



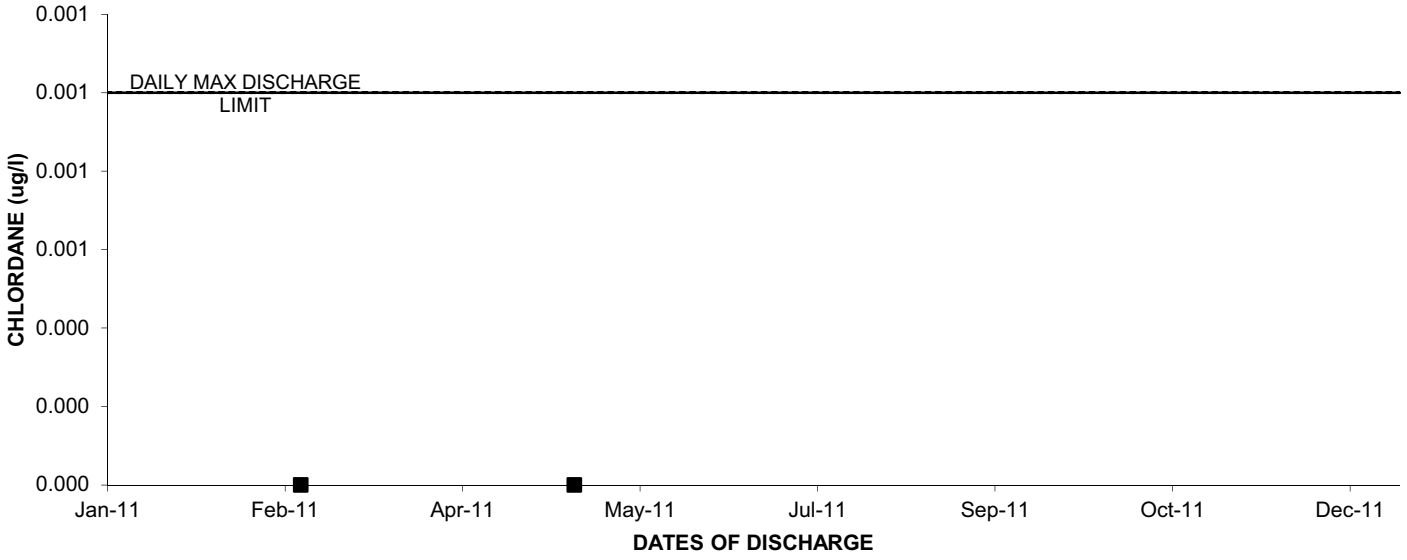
2011: ARROYO SIMI AROCLOR-1254



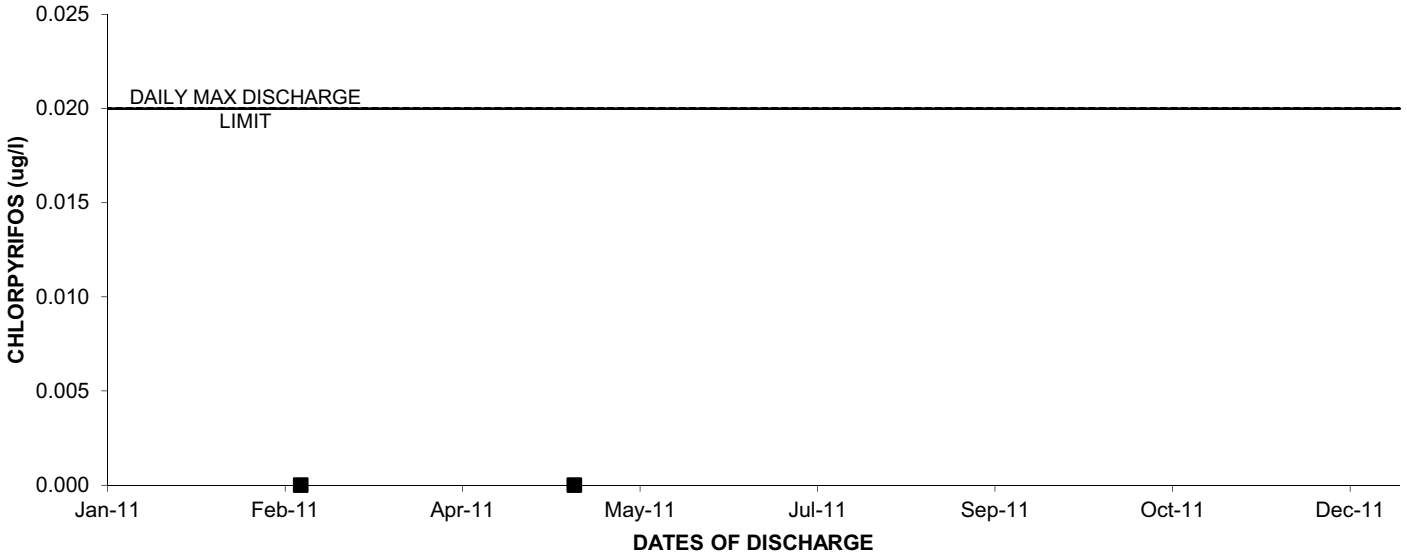
2011: ARROYO SIMI AROCLOR-1260



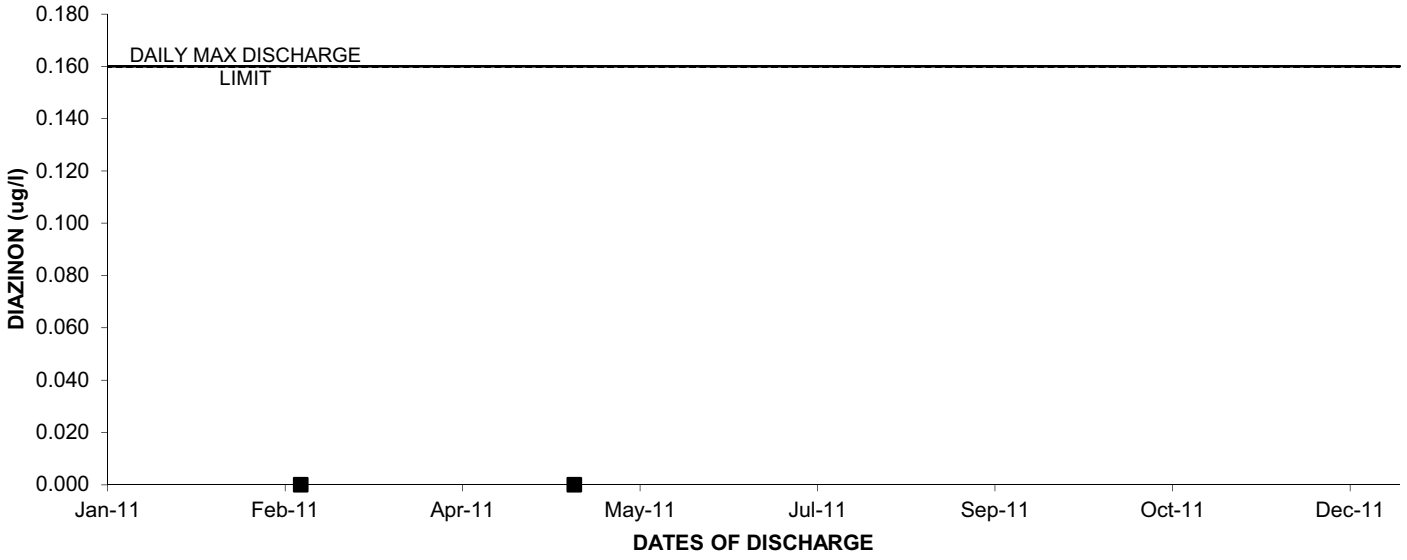
2011: ARROYO SIMI CHLORDANE



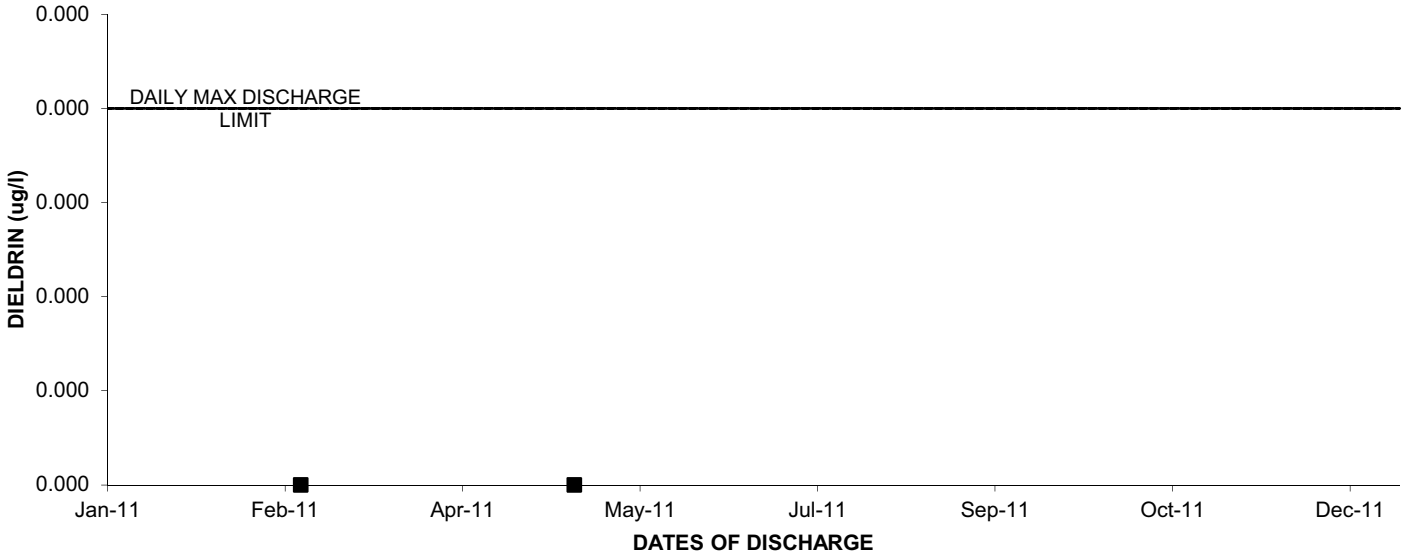
2011: ARROYO SIMI CHLORPYRIFOS



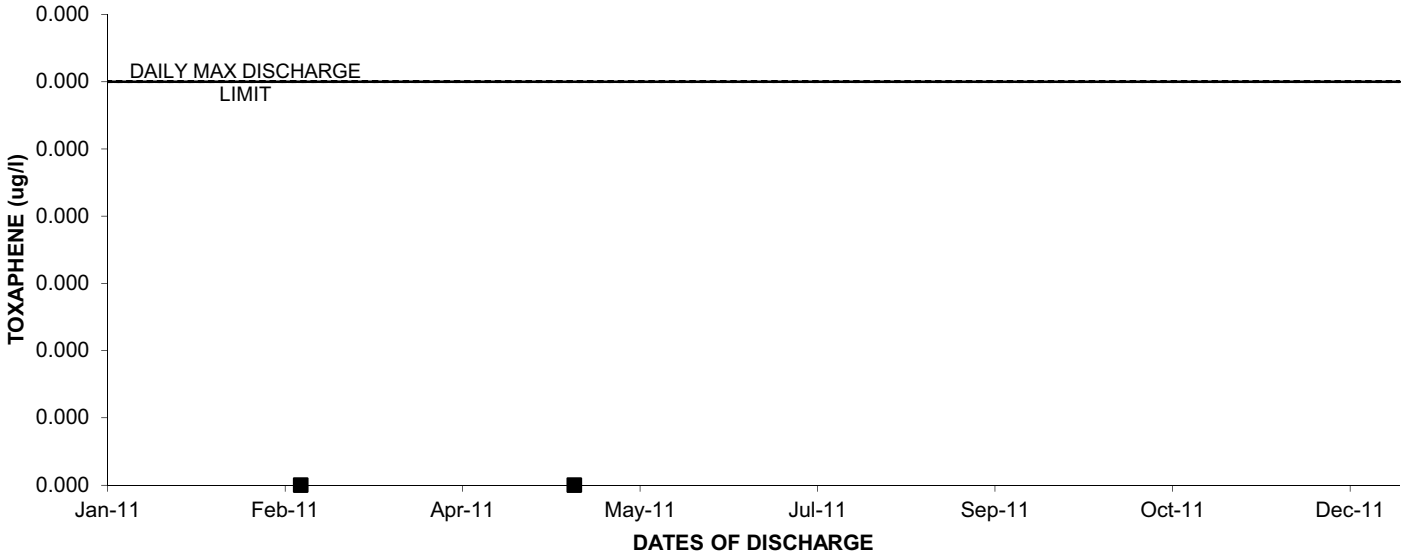
2011: ARROYO SIMI DIAZINON

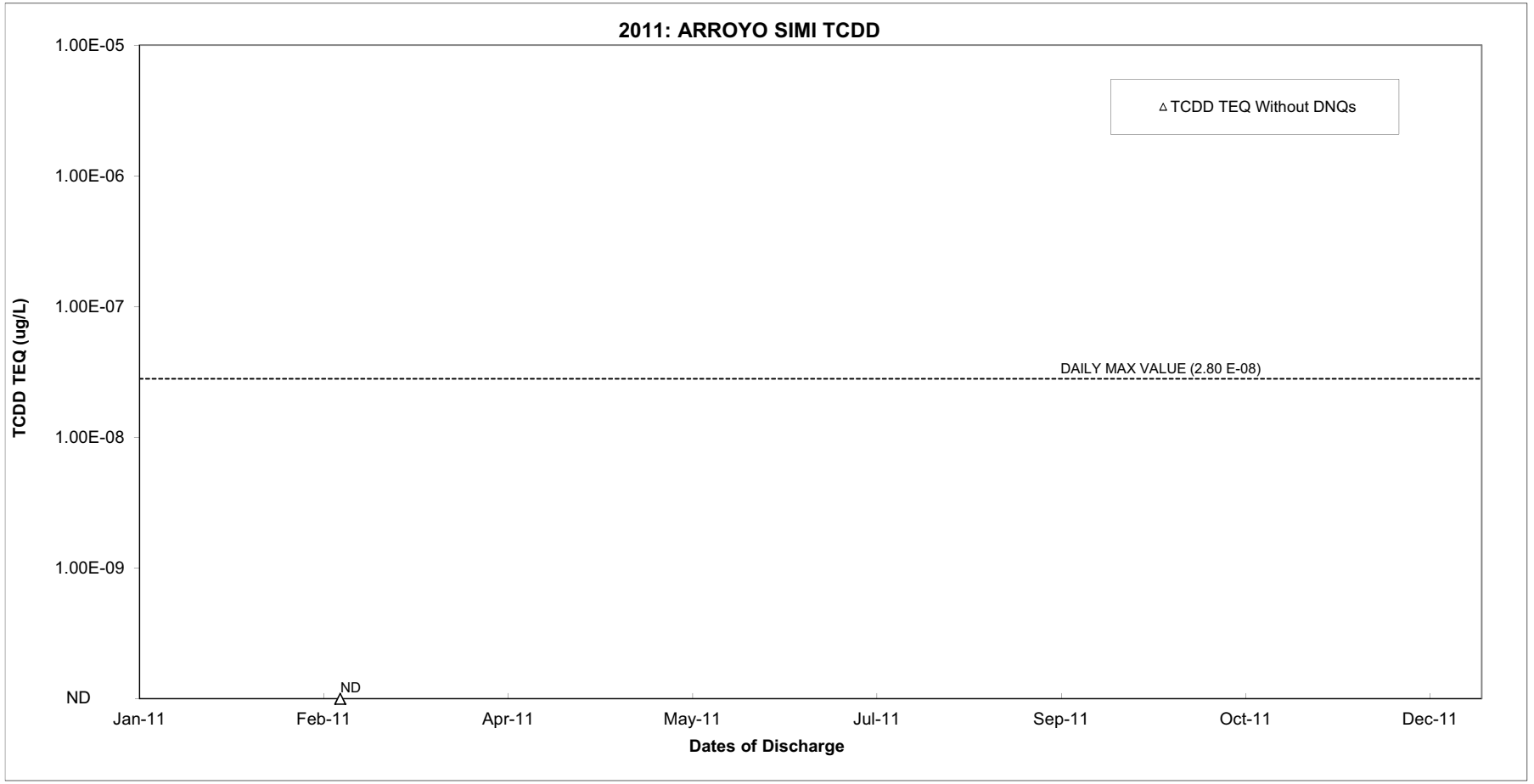


2011: ARROYO SIMI DIELDRIN



2011: ARROYO SIMI TOXAPHENE




2011: ARROYO SIMI TCDD
1.00E-05
1.00E-06
1.00E-07
1.00E-08
1.00E-09
ND
TCDD TEQ (ug/L)
TCDD TEQ Without DNQs
DAILY MAX VALUE (2.80 E-08)
ND
Jan-11
Feb-11
Apr-11
May-11
Jul-11
Sep-11
Oct-11
Dec-11
Dates of Discharge

SECTION 11

2011 REASONABLE POTENTIAL ANALYSIS SUMMARY

2011 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

1. The following Reasonable Potential Analysis (RPA) provides the analytical results as performed by the procedures outlined in *Reasonable Potential Analysis Methodology Technical Memo* (MWH and Flow Science, 2006).

2. The monitoring data set utilized to conduct the RPA consists of all applicable and relevant data from August 2004 through the present reporting quarter.

3. As directed by the CTR and the Regional Water Control Board 2,3,7,8-TCDD (Dioxin) values are to be expressed in NPDES permitting and this RPA as TCDD Total Equivalence units (TEQs). A TCDD TEQ is determined by multiplying each of the seventeen dioxin and furan congeners by their respective total equivalence factor (TEF), and summing the results of those products. For the purposes of this RPA, the resulting TCDD TEQ does not include those congener concentrations that are reported as DNQ, as specified on Page 46, Section D of the NPDES Permit Effective April 28, 2006, and Page 56, Section D of the NPDES Permit Effective December 20, 2007.

4. In calculating the average, standard deviation, coefficient of variation, and projected maximum effluent concentration (99/99), one-half of the MDL was used for concentration results reported as ND. Data reported with qualifiers were not included in this RPA as Boeing believes qualified data are not "appropriate, valid, relevant, (nor) representative"[1] of storm water constituents and are therefore not utilized in its RPA.

5. All of the following abbreviations and/or notes may not occur on every table.

Definition of Acronyms, Abbreviations, and Terminology Used

>=	Greater than or equal to
*	Freshwater aquatic life criteria for metals are expressed as a function of total hardness (mg/L) in the water body. The equations are provided in the CTR, (US EPA, 2000). Values displayed correspond to a total hardness of 100 mg/l.
µg/L	Concentration units, micrograms per liter
All Data Qualified	All available monitoring data are qualified and no statistical analysis is performed.
Annually	The 2007 NPDES Permit requires annual monitoring.
Available Data < DL	All available monitoring data that are not qualified are below detection limits.
B	Background
C	Concentration
CCC	Criterion Continuous Concentration
CMC	Criterion Maximum Concentration
CTR	California Toxics Rule
CV	Coefficient of Variation
DL	Detection Limit
EPA TSD	EPA's Technical Support Document for Water Quality Based Toxics Control, (see references).

[1] SIP, p. 5.

2011 REASONABLE POTENTIAL ANALYSIS SUMMARY
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Definition of Acronyms, Abbreviations, and Terminology Used (Continued)

Fibers/L	Units for asbestos concentration, fibers per liter
HH O	Human Health criteria for consumption of Organisms only
HH W&O	Human Health criteria for consumption of Water and Organisms
MEC	Maximum Observed Effluent Concentration
Min	Minimum
NA	Not Applicable
Narrative	Water quality criteria are expressed as a narrative objective rather than a numeric objective, and therefore are not part of the statistical RPA calculations.
None	No available CTR or Basin Plan criteria.
pH Dependent	CTR Criteria are based on pH.
Once Per Discharge	The 2007 NPDES Permit requires monitoring once per discharge event.
Qualified Data	Data qualifier definitions are: (a) J- The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL), (b) U/UJ- The analyte was not detected in the sample at the detection limit /estimated detection limit (EDL), (c) B- Analyte found in sample and associated blank, and (d) DNQ- Detected Not Quantified.
Reserved	EPA has reserved the CTR criteria.
RPA	Reasonable Potential Analysis
SIP	The State Water Resources Control Board "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California," (see references).
Tot	Total

Priority Pollutant RPA Column Explanation

CTR	Provides CTR constituent reference number.
Constituent	Provides CTR constituent common name.
Units	Provides the data set's concentration units as referenced by 2007 NPDES Permit.
MEC	Provides the outfall monitoring group's maximum value from the applicable data set.
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Step 1 identifies all applicable water quality criteria.	
CTR Criteria	Concentration criteria as listed in the CTR.
CMC = Acute	The Freshwater CMC is listed as the acute concentration criterion.
CCC = Chronic	The Freshwater CCC is listed as the chronic concentration criterion.
HH W& O(Not App)	The HH W&O is deemed not applicable based on past Regional Board RPAs.
HH O = HH	The HH O is listed as the CTR human health concentration criterion.
Basin Plan Criteria	Applicable Basin Plan Criteria are listed for the Los Angeles River and/or Calleguas Creek watersheds.

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C = Lowest Criteria	The comparison concentration (C) is equal to the lowest criterion for a constituent based on the CMC, CCC, HH O, and Basin Plan Criteria listed.

Priority Pollutant RPA Column Explanation (Continued)

Step 2 defines the applicable data set.	
Is Effluent Data Available	If there is available monitoring data that is not qualified and above DL, then YES. If not, then NO.
Step 3 determines the maximum observed effluent concentration.	
Was Constituent Detected in Effluent Data	If the constituent was detected, then YES. If all monitoring data are non-detect or qualified then NO.
Are all DL >C	If constituent was detected in effluent data then not applicable (NA). If constituent was not detected and all analysis detection limits are less than the comparison concentration, then YES, if not then NO.
If DL > C MEC = Min (DL)	If the previous cell answer was yes, then the MEC is equal to the minimum detection limit. If not, then NA.
Step 4 compares the MEC to the lowest applicable water quality criteria.	
MEC >= C	If the MEC is greater than or equal to the comparison concentration then YES, if not then NO.
Tier 1 – Need limit?	If the preceding cell was YES, then YES.

Note: Steps 5 and 6 of the Priority Pollutant RPA do not apply to Boeing SSFL because the Regional Board gives no consideration for receiving water background constituent concentrations. Furthermore, Boeing SSFL defers the application of best professional judgment in Step 7 and final determination of reasonable potential in Step 8 to the Regional Board Staff.

Nonpriority Pollutant RPA Column Explanation

Constituent	Provides the Non Priority Pollutant constituent common name
Monitoring	Provides the 2007 NPDES Permit directed monitoring frequency
Units	Provides the data set's concentration units as referenced by 2007 NPDES Permit
Number of Samples	Provides the number of available samples that are not qualified
MEC	Provides the outfall monitoring group's maximum value from the applicable data set
CV	Equal to the standard deviation divided by the average of the applicable data set. If the number of samples is less than 10, the CV is assumed to be 0.6.
Multiplier	Utilizes the EPA's TSD calculation to determine multiplier for which the maximum effluent concentration is calculated. (MWH and Flow Science, 2006, or EPA TSD, 1991)
Projected Maximum Effluent Concentration	Utilizes the product of the multiplier and the MEC as an estimate for the projected maximum effluent concentration.
Dilution Ratio	The Regional Board allocates no dilution ratio to Boeing SSFL.
Background Concentration	The Regional Board allocates no background concentration to Boeing SSFL.
Projected Maximum Receiving Water Concentration	The Regional Board estimates the projected maximum receiving water concentration as equal to the projected maximum effluent concentration.

Nonpriority Pollutant RPA Column Explanation (Continued)

Step 1, Determine Water Quality Objectives	The water quality objective is based on appropriate Basin Plan criteria.
BU – Benneficial Use Protection, NC – Human noncarcinogen, AP- Aquatic Life Protection, TMDL – Total Maximum Daily Load	This is the Regional Board's Basis for determining if reasonable potential should be evaluated for a non-priority pollutant.

Note: Boeing SSFL has completed appropriate statistical calculations, but defers the application of best professional judgment and the final determination of reasonable potential to the Regional Board Staff.

References

Los Angeles Regional Water Quality Control Board, "Basin Plan for the Coastal Watersheds of Los Angeles and Ventura Counties, (Basin Plan)." June 13, 1994.

MWH and Flow Science, "Reasonable Potential Analysis Methodology Technical Memo-Version 1, Final, Santa Susan Field Laboratory, Ventura County, California." April 28, 2006.

State Water Resources Control Board, "Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, (SIP)" Resolution No. 2005-0019, February 24, 2005.

US EPA, *40CFR part 131, Water Quality Standards; Establishment of numeric Criteria for Priority Toxic Pollutants for the State of California*,(CTR) Federal Registry, May 18, 2000, pp. 31682-31719.

US EPA, "Technical Support Document for Water Quality-based Toxics Control." EPA/505/2-90-001, PB-91-127415, March 1991.

Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

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						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent	Was Constituent	Are all		
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Data Available	Detected in Effluent Data	Detection Limits > C	If DL > C, MEC = Min (DL)	MEC >= C
1_2_11_18	001	Antimony	ug/L	0.81	0.6	NONE	NONE	14	4300	6	6	Yes	Yes	NA	NA	No
1_2_11_18	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	10	50	No	No	No	NA	No
1_2_11_18	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
1_2_11_18	004	Cadmium	ug/L	0.16	0.5		2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
1_2_11_18	005a	Chromium	ug/L	8.3	0.6		206	Narrative	Narrative		206.98	Yes	Yes	NA	NA	No
1_2_11_18	005b	Chromium VI	ug/L	Available Data <DL	0.6	16.3	11.4	Narrative	Narrative	50	11.43	Yes	No	No	NA	No
1_2_11_18	006	Copper	ug/L	6	0.6		9.3	1300	NONE		9.33	Yes	Yes	NA	NA	No
1_2_11_18	007	Lead	ug/L	4.1	1.4		3.18	Narrative	Narrative		3.18	Yes	Yes	NA	NA	Yes
1_2_11_18	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
1_2_11_18	009	Nickel	ug/L	All Data Qualified	0.6		52	610	4600	100	52.16	No	No	No	NA	No
1_2_11_18	010	Selenium	ug/L	0.61	0.37	Reserved	5	Narrative	Narrative	50	5	Yes	Yes	NA	NA	No
1_2_11_18	011	Silver	ug/L	Available Data <DL	0.6	4.06	none	NONE	NONE		4.06	Yes	No	No	NA	No
1_2_11_18	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No
1_2_11_18	013	Zinc	ug/L	30.4	0.6	120	120	none	NONE		119.82	Yes	Yes	NA	NA	No
1_2_11_18	014	Total Cyanide	ug/L	Available Data <DL	0.00000003	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
1_2_11_18	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7000000	700000	No	No	No	NA	No
1_2_11_18	016	TCDD TEQ_NoDNQ	ug/L	4.98E-08	1.38	NONE	NONE	1.30E-08	0.000000014	3.00E-05	1.40E-08	Yes	Yes	NA	NA	Yes
1_2_11_18	017	Acrolein	ug/L	Available Data <DL	0.6	NONE	NONE	320	780		780	Yes	No	No	NA	No
1_2_11_18	018	Acrylonitrile	ug/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66		0.66	Yes	No	Yes	0.66	No
1_2_11_18	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
1_2_11_18	020	Bromoform	ug/L	Available Data <DL	0.6	NONE	NONE	4.3	360		360	Yes	No	No	NA	No
1_2_11_18	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	600	4.4	Yes	No	No	NA	No
1_2_11_18	022	Chlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	680	21000		21000	Yes	No	No	NA	No
1_2_11_18	023	Dibromochloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.401	34		34	Yes	No	No	NA	No
1_2_11_18	024	Chloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
1_2_11_18	025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
1_2_11_18	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved		NONE	Yes	No	No	NA	No
1_2_11_18	027	Bromodichloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.56	46		46	Yes	No	No	NA	No
1_2_11_18	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
1_2_11_18	029	1,2-Dichloroethane	ug/L	Available Data <DL	0.00000002	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
1_2_11_18	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.00000002	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
1_2_11_18	031	1,2-Dichloropropane	ug/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
1_2_11_18	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
1_2_11_18	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3100	29000	0.7	0.7	Yes	No	No	NA	No
1_2_11_18	034	Bromomethane	ug/L	Available Data <DL	0.6	NONE	NONE	48	4000		4000	Yes	No	No	NA	No
1_2_11_18	035	Chloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative		NONE	Yes	No	No	NA	No
1_2_11_18	036	Methylene chloride	ug/L	Available Data <DL	0.6	NONE	NONE	4.7	1600		1600	Yes	No	No	NA	No
1_2_11_18	037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
1_2_11_18	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
1_2_11_18	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6800	200000	150	150	Yes	No	No	NA	No
1_2_11_18	040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	700	140000	10	10	Yes	No	No	NA	No
1_2_11_18	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
1_2_11_18	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
1_2_11_18	043	Trichloroethene	ug/L	1.8	1.42	NONE	NONE	2.7	81	5	5	Yes	Yes	NA	NA	No
1_2_11_18	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
1_2_11_18	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400		400	No	No	No	NA	No
1_2_11_18	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790		790	No	No	No	NA	No

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

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						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				
1_2_11_18	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300		2300	No	No	No	NA	No
1_2_11_18	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765		765	No	No	No	NA	No
1_2_11_18	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000		14000	No	No	No	NA	No
1_2_11_18	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	053	Pentachlorophenol	ug/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No
1_2_11_18	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000		4600000	No	No	No	NA	No
1_2_11_18	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5		6.5	Yes	No	No	NA	No
1_2_11_18	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700		2700	No	No	No	NA	No
1_2_11_18	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000		110000	No	No	No	NA	No
1_2_11_18	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054		0.00054	No	No	No	NA	No
1_2_11_18	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4		1.4	No	No	No	NA	No
1_2_11_18	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000		170000	No	No	No	NA	No
1_2_11_18	068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
1_2_11_18	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200		5200	No	No	No	NA	No
1_2_11_18	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300		4300	No	No	No	NA	No
1_2_11_18	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	2700	17000	600	600	Yes	No	No	NA	No
1_2_11_18	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600		2600	Yes	No	No	NA	No
1_2_11_18	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600	5	5	Yes	No	No	NA	No
1_2_11_18	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077		0.077	No	No	No	NA	No
1_2_11_18	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000		120000	No	No	No	NA	No
1_2_11_18	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000		2900000	No	No	No	NA	No
1_2_11_18	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000		12000	No	No	No	NA	No
1_2_11_18	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1		9.1	Yes	No	No	NA	No
1_2_11_18	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54		0.54	No	No	No	NA	No
1_2_11_18	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370		370	No	No	No	NA	No
1_2_11_18	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000		14000	No	No	No	NA	No
1_2_11_18	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077		0.00077	No	No	No	NA	No
1_2_11_18	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50		50	No	No	No	NA	No
1_2_11_18	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000		17000	No	No	No	NA	No
1_2_11_18	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9		8.9	No	No	No	NA	No
1_2_11_18	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
1_2_11_18	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600		600	No	No	No	NA	No

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Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				
1_2_11_18	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900		1900	No	No	No	NA	No
1_2_11_18	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1		8.1	Yes	No	No	NA	No
1_2_11_18	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4		1.4	No	No	No	NA	No
1_2_11_18	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16		16	No	No	No	NA	No
1_2_11_18	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000		11000	No	No	No	NA	No
1_2_11_18	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
1_2_11_18	102	Aldrin	ug/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014		0.00014	Yes	No	Yes	0.00014	No
1_2_11_18	103	alpha-BHC	ug/L	Available Data <DL	0.04	NONE	NONE	0.0039	0.013		0.013	Yes	No	No	NA	No
1_2_11_18	104	beta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046		0.046	Yes	No	No	NA	No
1_2_11_18	105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
1_2_11_18	106	delta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
1_2_11_18	107	Chlordane	ug/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059		0.00059	Yes	No	Yes	0.00059	No
1_2_11_18	108	4,4'-DDT	ug/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
1_2_11_18	109	4,4'-DDE	ug/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
1_2_11_18	110	4,4'-DDD	ug/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084		0.00084	Yes	No	Yes	0.00084	No
1_2_11_18	111	Dieldrin	ug/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014		0.00014	Yes	No	Yes	0.00014	No
1_2_11_18	112	Endosulfan I	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
1_2_11_18	113	Endosulfan II	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
1_2_11_18	114	Endosulfan Sulfate	ug/L	Available Data <DL	0.6	NONE	NONE	110	240		240	Yes	No	No	NA	No
1_2_11_18	115	Endrin	ug/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81		0.036	Yes	No	No	NA	No
1_2_11_18	116	Endrin Aldehyde	ug/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81		0.81	Yes	No	No	NA	No
1_2_11_18	117	Heptachlor	ug/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021		0.00021	Yes	No	Yes	0.00021	No
1_2_11_18	118	Heptachlor Epoxide	ug/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011		0.00011	Yes	No	Yes	0.00011	No
1_2_11_18	119	Aroclor-1016	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	120	Aroclor-1221	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	121	Aroclor-1232	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	122	Aroclor-1242	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	123	Aroclor-1248	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	124	Aroclor-1254	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	125	Aroclor-1260	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
1_2_11_18	126	Toxaphene	ug/L	Available Data <DL	0.6	0.73	0.0002	0.0073	0.00075		0.0002	Yes	No	Yes	0.0002	No
1_2_11_18	127	E. Coli	MPN/100 ml	300	0.6	NA	NA	NA	NA	235	MPN/100 ml	Yes	Yes	NA	NA	Yes
19	001	Antimony	ug/L	Available Data <DL	0.6	NONE	NONE	14	4300	6	6	Yes	No	No	NA	No
19	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	10	50	No	No	No	NA	No
19	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
19	004	Cadmium	ug/L	0.18	0.6		2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
19	005a	Chromium	ug/L	All Data Qualified	0.6		206	Narrative	Narrative		206.98	No	No	No	NA	No
19	005b	Chromium VI	ug/L	Available Data <DL	0.6	16.3	11.4	Narrative	Narrative	50	11.43	Yes	No	No	NA	No
19	006	Copper	ug/L	2.61	0.6		9.3	1300	NONE		9.33	Yes	Yes	NA	NA	No
19	007	Lead	ug/L	0.37	0.6		3.18	Narrative	Narrative		3.18	Yes	Yes	NA	NA	No
19	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
19	009	Nickel	ug/L	All Data Qualified	0.6		52	610	4600	100	52.16	No	No	No	NA	No
19	010	Selenium	ug/L	0.65	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	Yes	NA	NA	No
19	011	Silver	ug/L	Available Data <DL	0.6	4.06	none	NONE	NONE		4.06	Yes	No	No	NA	No
19	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				MEC >= C
19	013	Zinc	ug/L	50.2	0.6	120	120	none	NONE		120	Yes	Yes	NA	NA	No
19	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
19	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7000000	700000	No	No	No	NA	No
19	016	TCDD TEQ_NoDNQ	ug/L	1.20E-10	0.6	NONE	NONE	1.30E-08	0.000000014	3.00E-05	1.40E-08	Yes	Yes	NA	NA	No
19	017	Acrolein	ug/L	Available Data <DL	0.6	NONE	NONE	320	780		780	Yes	No	No	NA	No
19	018	Acrylonitrile	ug/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66		0.66	Yes	No	Yes	0.66	No
19	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
19	020	Bromoform	ug/L	Available Data <DL	0.6	NONE	NONE	4.3	360		360	Yes	No	No	NA	No
19	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	600	4.4	Yes	No	No	NA	No
19	022	Chlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	680	21000		21000	Yes	No	No	NA	No
19	023	Dibromochloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.401	34		34	Yes	No	No	NA	No
19	024	Chloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
19	025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
19	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved		NONE	Yes	No	No	NA	No
19	027	Bromodichloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.56	46		46	Yes	No	No	NA	No
19	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
19	029	1,2-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
19	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
19	031	1,2-Dichloropropane	ug/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
19	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
19	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3100	29000	0.7	0.7	Yes	No	No	NA	No
19	034	Bromomethane	ug/L	Available Data <DL	0.6	NONE	NONE	48	4000		4000	Yes	No	No	NA	No
19	035	Chloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative		NONE	Yes	No	No	NA	No
19	036	Methylene chloride	ug/L	Available Data <DL	0.6	NONE	NONE	4.7	1600		1600	Yes	No	No	NA	No
19	037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
19	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
19	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6800	200000	150	150	Yes	No	No	NA	No
19	040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	700	140000	10	10	Yes	No	No	NA	No
19	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
19	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
19	043	Trichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
19	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
19	045	2-chlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	120	400		400	No	No	No	NA	No
19	046	2,4-Dichlorophenol	ug/L	All Data Qualified	0.6	NONE	NONE	93	790		790	No	No	No	NA	No
19	047	2,4-dimethylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	540	2300		2300	No	No	No	NA	No
19	048	2-Methyl-4,6-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	13.4	765		765	No	No	No	NA	No
19	049	2,4-dinitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	70	14000		14000	No	No	No	NA	No
19	050	2-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	051	4-nitrophenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	052	4-Chloro-3-methylphenol	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	053	Pentachlorophenol	ug/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	No	NA	No
19	054	Phenol	ug/L	All Data Qualified	0.6	NONE	NONE	21000	4600000		4600000	No	No	No	NA	No
19	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5		6.5	Yes	No	No	NA	No
19	056	Acenaphthene	ug/L	All Data Qualified	0.6	NONE	NONE	1200	2700		2700	No	No	No	NA	No
19	057	Acenaphthylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	058	Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	9600	110000		110000	No	No	No	NA	No
19	059	Benzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.00012	0.00054		0.00054	No	No	No	NA	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	MEC >= C
19	060	Benzo(a)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	061	Benzo(a)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	062	Benzo(b)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	063	Benzo(g,h,i)Perylene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	064	Benzo(k)Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	065	Bis(2-Chloroethoxy) methane	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	066	bis (2-Chloroethyl) ether	ug/L	All Data Qualified	0.6	NONE	NONE	0.031	1.4		1.4	No	No	No	NA	No
19	067	Bis(2-Chloroisopropyl) Ether	ug/L	All Data Qualified	0.6	NONE	NONE	1400	170000		170000	No	No	No	NA	No
19	068	bis (2-ethylhexyl) Phthalate	ug/L	2.5	0.6	NONE	NONE	1.8	5.9	4	4	Yes	Yes	NA	NA	No
19	069	4-Bromophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	070	Butylbenzylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	3000	5200		5200	No	No	No	NA	No
19	071	2-Chloronaphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	1700	4300		4300	No	No	No	NA	No
19	072	4-Chlorophenylphenylether	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	073	Chrysene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	074	Dibenzo(a,h)Anthracene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	2700	17000	600	600	Yes	No	No	NA	No
19	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600		2600	Yes	No	No	NA	No
19	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600	5	5	Yes	No	No	NA	No
19	078	3,3'-Dichlorobenzidine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.077		0.077	No	No	No	NA	No
19	079	Diethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	23000	120000		120000	No	No	No	NA	No
19	080	Dimethylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	313000	2900000		2900000	No	No	No	NA	No
19	081	Di-n-butylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	2700	12000		12000	No	No	No	NA	No
19	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1		9.1	Yes	No	No	NA	No
19	083	2,6-Dinitrotoluene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	084	Di-n-octylphthalate	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54		0.54	No	No	No	NA	No
19	086	Fluoranthene	ug/L	All Data Qualified	0.6	NONE	NONE	300	370		370	No	No	No	NA	No
19	087	Fluorene	ug/L	All Data Qualified	0.6	NONE	NONE	1300	14000		14000	No	No	No	NA	No
19	088	Hexachlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	0.00075	0.00077		0.00077	No	No	No	NA	No
19	089	Hexachlorobutadiene	ug/L	All Data Qualified	0.6	NONE	NONE	0.44	50		50	No	No	No	NA	No
19	090	Hexachlorocyclopentadiene	ug/L	All Data Qualified	0.6	NONE	NONE	240	17000		17000	No	No	No	NA	No
19	091	Hexachloroethane	ug/L	All Data Qualified	0.6	NONE	NONE	1.9	8.9		8.9	No	No	No	NA	No
19	092	Indeno(1,2,3-cd)Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	0.0044	0.049		0.049	No	No	No	NA	No
19	093	Isophorone	ug/L	All Data Qualified	0.6	NONE	NONE	8.4	600		600	No	No	No	NA	No
19	094	Naphthalene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	095	Nitrobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	17	1900		1900	No	No	No	NA	No
19	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1		8.1	Yes	No	No	NA	No
19	097	n-Nitroso-di-n-propylamine	ug/L	All Data Qualified	0.6	NONE	NONE	0.005	1.4		1.4	No	No	No	NA	No
19	098	N-Nitrosodiphenylamine	ug/L	All Data Qualified	0.6	NONE	NONE	5	16		16	No	No	No	NA	No
19	099	Phenanthrene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	100	Pyrene	ug/L	All Data Qualified	0.6	NONE	NONE	960	11000		11000	No	No	No	NA	No
19	101	1,2,4-Trichlorobenzene	ug/L	All Data Qualified	0.6	NONE	NONE	NONE	NONE		NONE	No	No	No	NA	No
19	102	Aldrin	ug/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014		0.00014	Yes	No	Yes	0.00014	No
19	103	alpha-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013		0.013	Yes	No	No	NA	No
19	104	beta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046		0.046	Yes	No	No	NA	No
19	105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
19	106	delta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No

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RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

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						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
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Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	MEC >= C
19	107	Chlordane	ug/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059		0.00059	Yes	No	Yes	0.00059	No
19	108	4,4'-DDT	ug/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
19	109	4,4'-DDE	ug/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
19	110	4,4'-DDD	ug/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084		0.00084	Yes	No	Yes	0.00084	No
19	111	Dieldrin	ug/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014		0.00014	Yes	No	Yes	0.00014	No
19	112	Endosulfan I	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
19	113	Endosulfan II	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
19	114	Endosulfan Sulfate	ug/L	Available Data <DL	0.6	NONE	NONE	110	240		240	Yes	No	No	NA	No
19	115	Endrin	ug/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81		0.036	Yes	No	No	NA	No
19	116	Endrin Aldehyde	ug/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81		0.81	Yes	No	No	NA	No
19	117	Heptachlor	ug/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021		0.00021	Yes	No	Yes	0.00021	No
19	118	Heptachlor Epoxide	ug/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011		0.00011	Yes	No	Yes	0.00011	No
19	119	Aroclor-1016	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	120	Aroclor-1221	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	121	Aroclor-1232	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	122	Aroclor-1242	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	123	Aroclor-1248	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	124	Aroclor-1254	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	125	Aroclor-1260	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
19	126	Toxaphene	ug/L	Available Data <DL	0.6	0.73	0.0002	0.0073	0.00075		0.0002	Yes	No	Yes	0.0002	No
19	127	E. Coli	MPN/100 ml	Available Data <DL	0.6	NA	NA	NA	NA	235	MPN/100 ml	Yes	No	Yes	MPN/100 ml	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 003-010)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				MEC >= C
3_7,9-10	001	Antimony	ug/L	2.3	0.86	NONE	NONE	14	4300	6	6	Yes	Yes	NA	NA	No
3_7,9-10	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	10	50	No	No	No	NA	No
3_7,9-10	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
3_7,9-10	004	Cadmium	ug/L	0.16	0.53		2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
3_7,9-10	005a	Chromium	ug/L	5.2	0.6		206	Narrative	Narrative		206.98	Yes	Yes	NA	NA	No
3_7,9-10	005b	Chromium VI	ug/L	Available Data <DL	0.6	16.3	11.4	Narrative	Narrative	50	11.43	Yes	No	No	NA	No
3_7,9-10	006	Copper	ug/L	6.5	0.38		9.3	1300	NONE		9.33	Yes	Yes	NA	NA	No
3_7,9-10	007	Lead	ug/L	5.1	0.75		3.18	Narrative	Narrative		3.18	Yes	Yes	NA	NA	Yes
3_7,9-10	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
3_7,9-10	009	Nickel	ug/L	All Data Qualified	0.6		52	610	4600	100	52.16	No	No	No	NA	No
3_7,9-10	010	Selenium	ug/L	Available Data <DL	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	No	No	NA	No
3_7,9-10	011	Silver	ug/L	All Data Qualified	0.6		none	NONE	NONE		4.06	No	No	No	NA	No
3_7,9-10	012	Thallium	ug/L	0.23	0.38	NONE	NONE	1.7	6.3	2	2	Yes	Yes	NA	NA	No
3_7,9-10	013	Zinc	ug/L	161	0.6		120	none	NONE		120	Yes	Yes	NA	NA	Yes
3_7,9-10	014	Total Cyanide	ug/L	Available Data <DL	0.00000003	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
3_7,9-10	015	Asbestos	Fibers/L	All Data Qualified	0.6	NONE	NONE	7000000	NONE	7000000	700000	No	No	No	NA	No
3_7,9-10	016	TCDD TEQ_NoDNQ	ug/L	8.26E-08	2.50	NONE	NONE	1.30E-08	0.000000014	3.00E-05	1.40E-08	Yes	Yes	NA	NA	Yes
3_7,9-10	017	Acrolein	ug/L	Available Data <DL	0.6	NONE	NONE	320	780		780	Yes	No	No	NA	No
3_7,9-10	018	Acrylonitrile	ug/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66		0.66	Yes	No	Yes	0.66	No
3_7,9-10	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
3_7,9-10	020	Bromoform	ug/L	Available Data <DL	0.6	NONE	NONE	4.3	360		360	Yes	No	No	NA	No
3_7,9-10	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	600	4.4	Yes	No	No	NA	No
3_7,9-10	022	Chlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	680	21000		21000	Yes	No	No	NA	No
3_7,9-10	023	Dibromochloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.401	34		34	Yes	No	No	NA	No
3_7,9-10	024	Chloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved		NONE	Yes	No	No	NA	No
3_7,9-10	027	Bromodichloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.56	46		46	Yes	No	No	NA	No
3_7,9-10	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
3_7,9-10	029	1,2-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
3_7,9-10	031	1,2-Dichloropropane	ug/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
3_7,9-10	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
3_7,9-10	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3100	29000	0.7	0.7	Yes	No	No	NA	No
3_7,9-10	034	Bromomethane	ug/L	Available Data <DL	0.6	NONE	NONE	48	4000		4000	Yes	No	No	NA	No
3_7,9-10	035	Chloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative		NONE	Yes	No	No	NA	No
3_7,9-10	036	Methylene chloride	ug/L	Available Data <DL	0.6	NONE	NONE	4.7	1600		1600	Yes	No	No	NA	No
3_7,9-10	037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
3_7,9-10	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
3_7,9-10	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6800	200000	150	150	Yes	No	No	NA	No
3_7,9-10	040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	700	140000	10	10	Yes	No	No	NA	No
3_7,9-10	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
3_7,9-10	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
3_7,9-10	043	Trichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
3_7,9-10	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
3_7,9-10	045	2-chlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	120	400		400	Yes	No	No	NA	No
3_7,9-10	046	2,4-Dichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	93	790		790	Yes	No	No	NA	No

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						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in	Are all Detection	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	MEC >= C
3_7,9-10	047	2,4-dimethylphenol	ug/L	Available Data <DL	0.6	NONE	NONE	540	2300		2300	Yes	No	No	NA	No
3_7,9-10	048	2-Methyl-4,6-dinitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	13.4	765		765	Yes	No	No	NA	No
3_7,9-10	049	2,4-dinitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	70	14000		14000	Yes	No	No	NA	No
3_7,9-10	050	2-nitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	051	4-nitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	052	4-Chloro-3-methylphenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	053	Pentachlorophenol	ug/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	Yes	1	No
3_7,9-10	054	Phenol	ug/L	Available Data <DL	0.6	NONE	NONE	21000	4600000		4600000	Yes	No	No	NA	No
3_7,9-10	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5		6.5	Yes	No	No	NA	No
3_7,9-10	056	Acenaphthene	ug/L	Available Data <DL	0.6	NONE	NONE	1200	2700		2700	Yes	No	No	NA	No
3_7,9-10	057	Acenaphthylene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	058	Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	9600	110000		110000	Yes	No	No	NA	No
3_7,9-10	059	Benzidine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00012	0.00054		0.00054	Yes	No	Yes	0.00054	No
3_7,9-10	060	Benzo(a)Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	061	Benzo(a)Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	062	Benzo(b)Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	063	Benzo(g,h,i)Perylene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	064	Benzo(k)Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	065	Bis(2-Chloroethoxy) methane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	066	bis (2-Chloroethyl) ether	ug/L	Available Data <DL	0.6	NONE	NONE	0.031	1.4		1.4	Yes	No	Yes	1.4	No
3_7,9-10	067	Bis(2-Chloroisopropyl) Ether	ug/L	Available Data <DL	0.6	NONE	NONE	1400	170000		170000	Yes	No	No	NA	No
3_7,9-10	068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
3_7,9-10	069	4-Bromophenylphenylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	070	Butylbenzylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	3000	5200		5200	Yes	No	No	NA	No
3_7,9-10	071	2-Chloronaphthalene	ug/L	Available Data <DL	0.6	NONE	NONE	1700	4300		4300	Yes	No	No	NA	No
3_7,9-10	072	4-Chlorophenylphenylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	073	Chrysene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	074	Dibenzo(a,h)Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	2700	17000	600	600	Yes	No	No	NA	No
3_7,9-10	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600		2600	Yes	No	No	NA	No
3_7,9-10	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600	5	5	Yes	No	No	NA	No
3_7,9-10	078	3,3'-Dichlorobenzidine	ug/L	Available Data <DL	0.6	NONE	NONE	0.04	0.077		0.077	Yes	No	Yes	0.077	No
3_7,9-10	079	Diethylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	23000	120000		120000	Yes	No	No	NA	No
3_7,9-10	080	Dimethylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	313000	2900000		2900000	Yes	No	No	NA	No
3_7,9-10	081	Di-n-butylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	2700	12000		12000	Yes	No	No	NA	No
3_7,9-10	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1		9.1	Yes	No	No	NA	No
3_7,9-10	083	2,6-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	084	Di-n-octylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54		0.54	No	No	No	NA	No
3_7,9-10	086	Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	300	370		370	Yes	No	No	NA	No
3_7,9-10	087	Fluorene	ug/L	Available Data <DL	0.6	NONE	NONE	1300	14000		14000	Yes	No	No	NA	No
3_7,9-10	088	Hexachlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	0.00075	0.00077		0.00077	Yes	No	Yes	0.00077	No
3_7,9-10	089	Hexachlorobutadiene	ug/L	Available Data <DL	0.6	NONE	NONE	0.44	50		50	Yes	No	No	NA	No
3_7,9-10	090	Hexachlorocyclopentadiene	ug/L	Available Data <DL	0.6	NONE	NONE	240	17000		17000	Yes	No	No	NA	No
3_7,9-10	091	Hexachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	1.9	8.9		8.9	Yes	No	No	NA	No
3_7,9-10	092	Indeno(1,2,3-cd)Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
3_7,9-10	093	Isophorone	ug/L	Available Data <DL	0.6	NONE	NONE	8.4	600		600	Yes	No	No	NA	No

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Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				MEC >= C
3_7,9-10	094	Naphthalene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	095	Nitrobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	17	1900		1900	Yes	No	No	NA	No
3_7,9-10	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1		8.1	Yes	No	No	NA	No
3_7,9-10	097	n-Nitroso-di-n-propylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.005	1.4		1.4	Yes	No	Yes	1.4	No
3_7,9-10	098	N-Nitrosodiphenylamine	ug/L	Available Data <DL	0.6	NONE	NONE	5	16		16	Yes	No	No	NA	No
3_7,9-10	099	Phenanthrene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	100	Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	960	11000		11000	Yes	No	No	NA	No
3_7,9-10	101	1,2,4-Trichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	102	Aldrin	ug/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014		0.00014	Yes	No	Yes	0.00014	No
3_7,9-10	103	alpha-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013		0.013	Yes	No	No	NA	No
3_7,9-10	104	beta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046		0.046	Yes	No	No	NA	No
3_7,9-10	105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
3_7,9-10	106	delta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
3_7,9-10	107	Chlordane	ug/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059		0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	108	4,4'-DDT	ug/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	109	4,4'-DDE	ug/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
3_7,9-10	110	4,4'-DDD	ug/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084		0.00084	Yes	No	Yes	0.00084	No
3_7,9-10	111	Dieldrin	ug/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014		0.00014	Yes	No	Yes	0.00014	No
3_7,9-10	112	Endosulfan I	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
3_7,9-10	113	Endosulfan II	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
3_7,9-10	114	Endosulfan Sulfate	ug/L	Available Data <DL	0.6	NONE	NONE	110	240		240	Yes	No	No	NA	No
3_7,9-10	115	Endrin	ug/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81		0.036	Yes	No	No	NA	No
3_7,9-10	116	Endrin Aldehyde	ug/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81		0.81	Yes	No	No	NA	No
3_7,9-10	117	Heptachlor	ug/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021		0.00021	Yes	No	Yes	0.00021	No
3_7,9-10	118	Heptachlor Epoxide	ug/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011		0.00011	Yes	No	Yes	0.00011	No
3_7,9-10	119	Aroclor-1016	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	120	Aroclor-1221	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	121	Aroclor-1232	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	122	Aroclor-1242	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	123	Aroclor-1248	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	124	Aroclor-1254	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	125	Aroclor-1260	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
3_7,9-10	126	Toxaphene	ug/L	Available Data <DL	0.6	0.73	0.0002	0.0073	0.00075		0.0002	Yes	No	Yes	0.0002	No
3_7,9-10	127	E. Coli	MPN/100 ml	1600	0.6	NA	NA	NA	NA	235	MPN/100 ml	Yes	Yes	NA	NA	Yes
8	001	Antimony	ug/L	0.44	0.6	NONE	NONE	14	4300	6	6	Yes	Yes	NA	NA	No
8	002	Arsenic	ug/L	All Data Qualified	0.6	340	150	NONE	NONE	10	50	No	No	No	NA	No
8	003	Beryllium	ug/L	All Data Qualified	0.6	NONE	NONE	Narrative	Narrative	4	4	No	No	No	NA	No
8	004	Cadmium	ug/L	0.46	0.6		2.46	Narrative	Narrative	5	2.46	Yes	Yes	NA	NA	No
8	005a	Chromium	ug/L	6.9	0.6		206	Narrative	Narrative		206.98	Yes	Yes	NA	NA	No
8	005b	Chromium VI	ug/L	All Data Qualified	0.6	16.3	11.4	Narrative	Narrative	50	11.43	No	No	No	NA	No
8	006	Copper	ug/L	9.33	0.6		9.3	1300	NONE		9.33	Yes	Yes	NA	NA	Yes
8	007	Lead	ug/L	3.8	0.6		3.18	Narrative	Narrative		3.18	Yes	Yes	NA	NA	Yes
8	008	Mercury	ug/L	All Data Qualified	0.6	Reserved	Reserved	0.05	0.051	2	0.05	No	No	No	NA	No
8	009	Nickel	ug/L	All Data Qualified	0.6		52	610	4600	100	52.16	No	No	No	NA	No
8	010	Selenium	ug/L	0.58	0.6	Reserved	5	Narrative	Narrative	50	5	Yes	Yes	NA	NA	No
8	011	Silver	ug/L	All Data Qualified	0.6		none	NONE	NONE		4.06	No	No	No	NA	No
8	012	Thallium	ug/L	Available Data <DL	0.6	NONE	NONE	1.7	6.3	2	2	Yes	No	No	NA	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 003-010)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	MEC >= C
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				
8	013	Zinc	ug/L	28.4	0.6		119.8	none	NONE		119.8	Yes	Yes	NA	NA	No
8	014	Total Cyanide	ug/L	Available Data <DL	0.6	22	5.2	700	220000	200	5.2	Yes	No	No	NA	No
8	015	Asbestos	Fibers/L	Available Data <DL	0.6	NONE	NONE	7000000	NONE	7000000	700000	Yes	No	No	NA	No
8	016	TCDD TEQ_NoDNQ	ug/L	2.40E-10	0.6	NONE	NONE	1.30E-08	0.000000014	3.00E-05	1.40E-08	Yes	Yes	NA	NA	No
8	017	Acrolein	ug/L	Available Data <DL	0.6	NONE	NONE	320	780		780	Yes	No	No	NA	No
8	018	Acrylonitrile	ug/L	Available Data <DL	0.6	NONE	NONE	0.059	0.66		0.66	Yes	No	Yes	0.66	No
8	019	Benzene	ug/L	Available Data <DL	0.6	NONE	NONE	1.2	71	1	1	Yes	No	No	NA	No
8	020	Bromoform	ug/L	Available Data <DL	0.6	NONE	NONE	4.3	360		360	Yes	No	No	NA	No
8	021	Carbon Tetrachloride	ug/L	Available Data <DL	0.6	NONE	NONE	0.25	4.4	600	4.4	Yes	No	No	NA	No
8	022	Chlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	680	21000		21000	Yes	No	No	NA	No
8	023	Dibromochloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.401	34		34	Yes	No	No	NA	No
8	024	Chloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	025	2-Chloroethylvinylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	026	Chloroform	ug/L	Available Data <DL	0.6	NONE	NONE	Reserved	Reserved		NONE	Yes	No	No	NA	No
8	027	Bromodichloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.56	46		46	Yes	No	No	NA	No
8	028	1,1-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE	5	5	Yes	No	No	NA	No
8	029	1,2-Dichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.38	99	0.5	0.5	Yes	No	No	NA	No
8	030	1,1-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.057	3.2	6	3.2	Yes	No	No	NA	No
8	031	1,2-Dichloropropane	ug/L	Available Data <DL	0.6	NONE	NONE	0.52	39	5	5	Yes	No	No	NA	No
8	032	1,3-Dichloropropene (Total)	ug/L	All Data Qualified	0.6	NONE	NONE	10	1700	0.5	0.5	No	No	No	NA	No
8	033	Ethylbenzene	ug/L	Available Data <DL	0.6	NONE	NONE	3100	29000	0.7	0.7	Yes	No	No	NA	No
8	034	Bromomethane	ug/L	Available Data <DL	0.6	NONE	NONE	48	4000		4000	Yes	No	No	NA	No
8	035	Chloromethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative		NONE	Yes	No	No	NA	No
8	036	Methylene chloride	ug/L	Available Data <DL	0.6	NONE	NONE	4.7	1600		1600	Yes	No	No	NA	No
8	037	1,1,2,2-Tetrachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.17	11	1	1	Yes	No	No	NA	No
8	038	Tetrachloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	0.8	8.85	5	5	Yes	No	No	NA	No
8	039	Toluene	ug/L	Available Data <DL	0.6	NONE	NONE	6800	200000	150	150	Yes	No	No	NA	No
8	040	trans-1,2-Dichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	700	140000	10	10	Yes	No	No	NA	No
8	041	1,1,1-Trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	Narrative	Narrative	200	200	Yes	No	No	NA	No
8	042	1,1,2-trichloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	0.6	42	5	5	Yes	No	No	NA	No
8	043	Trichloroethene	ug/L	Available Data <DL	0.6	NONE	NONE	2.7	81	5	5	Yes	No	No	NA	No
8	044	Vinyl chloride	ug/L	Available Data <DL	0.6	NONE	NONE	2	525	0.5	0.5	Yes	No	No	NA	No
8	045	2-chlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	120	400		400	Yes	No	No	NA	No
8	046	2,4-Dichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	93	790		790	Yes	No	No	NA	No
8	047	2,4-dimethylphenol	ug/L	Available Data <DL	0.6	NONE	NONE	540	2300		2300	Yes	No	No	NA	No
8	048	2-Methyl-4,6-dinitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	13.4	765		765	Yes	No	No	NA	No
8	049	2,4-dinitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	70	14000		14000	Yes	No	No	NA	No
8	050	2-nitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	051	4-nitrophenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	052	4-Chloro-3-methylphenol	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	053	Pentachlorophenol	ug/L	Available Data <DL	0.6	pH dependent	pH dependent	0.28	8.2	1	1	Yes	No	Yes	1	No
8	054	Phenol	ug/L	Available Data <DL	0.6	NONE	NONE	21000	4600000		4600000	Yes	No	No	NA	No
8	055	2,4,6-Trichlorophenol	ug/L	Available Data <DL	0.6	NONE	NONE	2.1	6.5		6.5	Yes	No	No	NA	No
8	056	Acenaphthene	ug/L	Available Data <DL	0.6	NONE	NONE	1200	2700		2700	Yes	No	No	NA	No
8	057	Acenaphthylene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	058	Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	9600	110000		110000	Yes	No	No	NA	No
8	059	Benzidine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00012	0.00054		0.00054	Yes	No	Yes	0.00054	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 003-010)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA										
						Freshwater		Human Health		Basin Plan	C = Lowest	Is Effluent Data	Was Constituent Detected in Effluent Data	Are all Detection Limits > C	If DL > C, MEC = Min (DL)	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available				MEC >= C
8	060	Benzo(a)Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	061	Benzo(a)Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	062	Benzo(b)Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	063	Benzo(g,h,i)Perylene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	064	Benzo(k)Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	065	Bis(2-Chloroethoxy) methane	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	066	bis (2-Chloroethyl) ether	ug/L	Available Data <DL	0.6	NONE	NONE	0.031	1.4		1.4	Yes	No	Yes	1.4	No
8	067	Bis(2-Chloroisopropyl) Ether	ug/L	Available Data <DL	0.6	NONE	NONE	1400	170000		170000	Yes	No	No	NA	No
8	068	bis (2-ethylhexyl) Phthalate	ug/L	Available Data <DL	0.6	NONE	NONE	1.8	5.9	4	4	Yes	No	No	NA	No
8	069	4-Bromophenylphenylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	070	Butylbenzylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	3000	5200		5200	Yes	No	No	NA	No
8	071	2-Chloronaphthalene	ug/L	Available Data <DL	0.6	NONE	NONE	1700	4300		4300	Yes	No	No	NA	No
8	072	4-Chlorophenylphenylether	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	073	Chrysene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	074	Dibenzo(a,h)Anthracene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	075	1,2-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	2700	17000	600	600	Yes	No	No	NA	No
8	076	1,3-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600		2600	Yes	No	No	NA	No
8	077	1,4-Dichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	400	2600	5	5	Yes	No	No	NA	No
8	078	3,3'-Dichlorobenzidine	ug/L	Available Data <DL	0.6	NONE	NONE	0.04	0.077		0.077	Yes	No	Yes	0.077	No
8	079	Diethylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	23000	120000		120000	Yes	No	No	NA	No
8	080	Dimethylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	313000	2900000		2900000	Yes	No	No	NA	No
8	081	Di-n-butylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	2700	12000		12000	Yes	No	No	NA	No
8	082	2,4-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	0.11	9.1		9.1	Yes	No	No	NA	No
8	083	2,6-Dinitrotoluene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	084	Di-n-octylphthalate	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	085	1,2-Diphenylhydrazine	ug/L	All Data Qualified	0.6	NONE	NONE	0.04	0.54		0.54	No	No	No	NA	No
8	086	Fluoranthene	ug/L	Available Data <DL	0.6	NONE	NONE	300	370		370	Yes	No	No	NA	No
8	087	Fluorene	ug/L	Available Data <DL	0.6	NONE	NONE	1300	14000		14000	Yes	No	No	NA	No
8	088	Hexachlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	0.00075	0.00077		0.00077	Yes	No	Yes	0.00077	No
8	089	Hexachlorobutadiene	ug/L	Available Data <DL	0.6	NONE	NONE	0.44	50		50	Yes	No	No	NA	No
8	090	Hexachlorocyclopentadiene	ug/L	Available Data <DL	0.6	NONE	NONE	240	17000		17000	Yes	No	No	NA	No
8	091	Hexachloroethane	ug/L	Available Data <DL	0.6	NONE	NONE	1.9	8.9		8.9	Yes	No	No	NA	No
8	092	Indeno(1,2,3-cd)Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	0.0044	0.049		0.049	Yes	No	Yes	0.049	No
8	093	Isophorone	ug/L	Available Data <DL	0.6	NONE	NONE	8.4	600		600	Yes	No	No	NA	No
8	094	Naphthalene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	095	Nitrobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	17	1900		1900	Yes	No	No	NA	No
8	096	N-Nitrosodimethylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.00069	8.1		8.1	Yes	No	No	NA	No
8	097	n-Nitroso-di-n-propylamine	ug/L	Available Data <DL	0.6	NONE	NONE	0.005	1.4		1.4	Yes	No	Yes	1.4	No
8	098	N-Nitrosodiphenylamine	ug/L	Available Data <DL	0.6	NONE	NONE	5	16		16	Yes	No	No	NA	No
8	099	Phenanthrene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	100	Pyrene	ug/L	Available Data <DL	0.6	NONE	NONE	960	11000		11000	Yes	No	No	NA	No
8	101	1,2,4-Trichlorobenzene	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No
8	102	Aldrin	ug/L	Available Data <DL	0.6	3	NONE	0.00013	0.00014		0.00014	Yes	No	Yes	0.00014	No
8	103	alpha-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.0039	0.013		0.013	Yes	No	No	NA	No
8	104	beta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	0.014	0.046		0.046	Yes	No	No	NA	No
8	105	Lindane (gamma-BHC)	ug/L	Available Data <DL	0.6	0.95	NONE	0.019	0.063	0.2	0.063	Yes	No	No	NA	No
8	106	delta-BHC	ug/L	Available Data <DL	0.6	NONE	NONE	NONE	NONE		NONE	Yes	No	No	NA	No

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR PRIORITY POLLUTANTS, (OUTFALLS 003-010)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

						Step 1: Water Quality Criteria, Determine C						Step 2	Step 3			Step 4
						CTR CRITERIA						Is Effluent	Was Constituent	Are all		
						Freshwater		Human Health		Basin Plan	C = Lowest	Data	Detected in	Detection	If DL > C,	
Outfall	CTR	Constituent	Units	MEC	CV	CMC = Acute	CCC = Chronic	HH W&O (Not App)	HH O = HH	Title 22 GWR	Criteria	Available	Effluent Data	Limits > C	MEC = Min (DL)	MEC >= C
8	107	Chlordane	ug/L	Available Data <DL	0.6	2.4	0.0043	0.00057	0.00059		0.00059	Yes	No	Yes	0.00059	No
8	108	4,4'-DDT	ug/L	Available Data <DL	0.6	1.1	0.001	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
8	109	4,4'-DDE	ug/L	Available Data <DL	0.6	NONE	NONE	0.00059	0.00059		0.00059	Yes	No	Yes	0.00059	No
8	110	4,4'-DDD	ug/L	Available Data <DL	0.6	NONE	NONE	0.00083	0.00084		0.00084	Yes	No	Yes	0.00084	No
8	111	Dieldrin	ug/L	Available Data <DL	0.6	0.24	0.056	0.00014	0.00014		0.00014	Yes	No	Yes	0.00014	No
8	112	Endosulfan I	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
8	113	Endosulfan II	ug/L	Available Data <DL	0.6	0.22	0.056	110	240		0.056	Yes	No	No	NA	No
8	114	Endosulfan Sulfate	ug/L	Available Data <DL	0.6	NONE	NONE	110	240		240	Yes	No	No	NA	No
8	115	Endrin	ug/L	Available Data <DL	0.6	0.086	0.036	0.76	0.81		0.036	Yes	No	No	NA	No
8	116	Endrin Aldehyde	ug/L	Available Data <DL	0.6	NONE	NONE	0.76	0.81		0.81	Yes	No	No	NA	No
8	117	Heptachlor	ug/L	Available Data <DL	0.6	0.52	0.0038	0.00021	0.00021		0.00021	Yes	No	Yes	0.00021	No
8	118	Heptachlor Epoxide	ug/L	Available Data <DL	0.6	0.52	0.0038	0.0001	0.00011		0.00011	Yes	No	Yes	0.00011	No
8	119	Aroclor-1016	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	120	Aroclor-1221	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	121	Aroclor-1232	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	122	Aroclor-1242	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	123	Aroclor-1248	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	124	Aroclor-1254	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	125	Aroclor-1260	ug/L	Available Data <DL	0.6	NONE	0.014	0.00017	0.00017		0.00017	Yes	No	Yes	0.00017	No
8	126	Toxaphene	ug/L	Available Data <DL	0.6	0.73	0.0002	0.0073	0.00075		0.0002	Yes	No	Yes	0.0002	No
8	127	E. Coli	MPN/100 ml	170	0.6	NA	NA	NA	NA	235	MPN/100 ml	Yes	Yes	NA	NA	Yes

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Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR SECONDARY POLLUTANTS, (OUTFALLS 001, 002, 011, 018 019)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
1_2_11_18	Barium	Annual	mg/L	4	0.04	0.60	4.74	0.20	0	0	0.20	1000	BU
1_2_11_18	Biochemical Oxygen Demand (BOD 5 day)	Discharge	mg/L	12	2.90	0.51	2.43	7.05	0	0	7.05	20	BU
1_2_11_18	Chloride	Discharge	mg/L	13	42.00	0.70	3.13	131.34	0	0	131.34	150	BU
1_2_11_18	Fluoride	Annual	mg/L	4	0.33	0.60	4.74	1.56	0	0	1.56	1.6	BU
1_2_11_18	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	12	0.58	0.80	3.69	2.14	0	0	2.14	8	BU/TMDL
1_2_11_18	Oil & Grease	Discharge	mg/L	12	Available Data <DL	0.03	1.07	Available Data < DL	0	0	NA	10	BU
1_2_11_18	Sulfate	Discharge	mg/L	13	140.00	0.63	2.84	398.22	0	0	398.22	300	BU
1_2_11_18	Surfactants (MBAS)	Discharge	mg/L	12	0.20	0.89	4.12	0.82	0	0	0.82	0.5	BU
1_2_11_18	Total Dissolved Solids	Discharge	mg/L	13	470.00	0.45	2.18	1024.09	0	0	1024.09	150	BU
1_2_11_18	Total Settleable Solids	Discharge	ml/L	12	0.10	0.33	1.83	0.18	0	0	0.18	0.3	BU
1_2_11_18	Total Suspended Solids	Discharge	mg/L	12	63.00	1.38	6.78	426.93	0	0	426.93	45	BU
19	Barium	Annual	mg/L	0	All Data Qualified	0.60	All Data Qualified	All Qualified Data	0	0	NA	1000	BU
19	Biochemical Oxygen Demand (BOD 5 day)	Discharge	mg/L	7	2.60	0.60	3.54	9.21	0	0	9.21	20	BU
19	Chloride	Discharge	mg/L	7	250.00	0.60	3.54	885.80	0	0	885.80	150	BU
19	Fluoride	Discharge	mg/L	1	0.35	0.60	13.20	4.62	0	0	4.62	1.6	BU
19	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	5	Available Data <DL	0.60	4.19	Available Data < DL	0	0	NA	8	BU/TMDL
19	Oil & Grease	Discharge	mg/L	7	Available Data <DL	0.60	3.54	Available Data < DL	0	0	NA	10	BU
19	Sulfate	Discharge	mg/L	6	150.00	0.60	3.82	572.78	0	0	572.78	300	BU
19	Surfactants (MBAS)	Discharge	mg/L	7	0.06	0.60	3.54	0.21	0	0	0.21	0.5	BU
19	Total Dissolved Solids	Discharge	mg/L	7	1100.00	0.60	3.54	3897.54	0	0	3897.54	150	BU
19	Total Settleable Solids	Discharge	ml/L	7	Available Data <DL	0.60	3.54	Available Data < DL	0	0	NA	0.3	BU
19	Total Suspended Solids	Discharge	mg/L	7	1.00	0.60	3.54	3.54	0	0	3.54	45	BU

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

Summary of Reasonable Potential Analysis (RPA) (Section 11)
RPA FOR SECONDARY POLLUTANTS, (OUTFALLS 003-010)

ANNUAL 2011
THE BOEING COMPANY
SANTA SUSANA FIELD LABORATORY
NPDES PERMIT CA0001309

Outfall	Constituent	Monitoring	Units	Number of Samples	MEC	CV	Multiplier	Projected Maximum Effluent Concentration (99/99)	Dilution Ratio	Background Concentration	Projected Maximum Receiving Water Concentration	Step 1, Determine Water Quality Objectives	BU - Beneficial use protection NC-Human noncarcinogen AP-Aquatic life protection
3_7,9-10	Boron	Annual	mg/L	0	All Data Qualified	0.60	All Data Qualified	All Qualified Data	0	0	NA	1	BU
3_7,9-10	Chloride	Discharge	mg/L	14	18.00	0.89	3.79	68.14	0	0	68.14	150	BU
3_7,9-10	Fluoride	Annual	mg/L	3	0.35	0.60	5.62	1.97	0	0	1.97	1.6	BU
3_7,9-10	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	14	0.81	0.37	1.85	1.50	0	0	1.50	8	BU/TMDL
3_7,9-10	Oil & Grease	Discharge	mg/L	12	Available Data <DL	0.00	1.00	Available Data < DL	0	0	NA	10	BU
3_7,9-10	Sulfate	Discharge	mg/L	14	36.00	0.94	4.02	144.66	0	0	144.66	300	BU
3_7,9-10	Total Dissolved Solids	Discharge	mg/L	14	230.00	0.59	2.61	599.44	0	0	599.44	150	BU
3_7,9-10	Total Suspended Solids	Annual	mg/L	6	110.00	0.60	3.82	420.04	0	0	420.04	45	BU
8	Boron	Annual	mg/L	1	0.07	0.60	13.20	0.96	0	0	0.96	1	BU
8	Chloride	Discharge	mg/L	3	12.00	0.60	5.62	67.47	0	0	67.47	150	BU
8	Fluoride	Annual	mg/L	1	0.25	0.60	13.20	3.30	0	0	3.30	1.6	BU
8	Nitrate + Nitrite as Nitrogen (N)	Discharge	mg/L	3	0.71	0.60	5.62	3.99	0	0	3.99	8	BU/TMDL
8	Oil & Grease	Discharge	mg/L	3	Available Data <DL	0.60	5.62	Available Data < DL	0	0	NA	10	BU
8	Sulfate	Discharge	mg/L	3	12.00	0.60	5.62	67.47	0	0	67.47	300	BU
8	Total Dissolved Solids	Discharge	mg/L	3	200.00	0.60	5.62	1124.49	0	0	1124.49	150	BU
8	Total Suspended Solids	Annual	mg/L	3	68.00	0.60	5.62	382.33	0	0	382.33	45	BU

See attached RPA Summary for abbreviations, definitions and other explanations for the data presented.

SECTION 12

2011 SWPPP ANNUAL EVALUATION REPORT

2011 SWPPP ANNUAL EVALUATION REPORT

This Report was prepared for The Boeing Company (Boeing) Santa Susana Site, located in Simi Hills, Ventura County, California (Site) and in general accordance with Attachment B (Section A.9.d.) of the Site's Waste Discharge Requirements (National Pollutant Discharge Elimination System (NPDES) Permit No. CA0001309 and Monitoring and Reporting Program No. 6027). This document evaluates compliance with the Site-Wide Storm Water Pollution Prevention Plan (SWPPP) during 2011. The evaluation was conducted by Eric Walker and Andrew Payne (consultant for Boeing). The evaluation was conducted from September 9 - 20, 2011.

On May 20, 2010, the Los Angeles Regional Water Quality Control Board (Regional Board) issued the 2010 NPDES Permit No. R4-2010-0090 to revise the existing 2009 NPDES Amendment Permit No. R4-2009-0058. The 2010 Permit stipulates additional monitoring and reporting requirements that were observed on and after the 2010 Permit's effective date, July 19, 2010. A revised SWPPP was submitted to the Regional Board in accordance with the terms of the new 2010 Permit on October 15, 2010. The SWPPP was revised again in September and October 2011 due to changes, and was submitted to the Regional Board on October 31, 2011.

Review of Visual Observations Records and Sampling and Analysis Results

The evaluators reviewed all inspection forms that documented inspections/visual observations for 2011. Each inspection form was complete. A process exists for items of non-compliance to be properly evaluated and adjusted to correct these items.

Sampling and analysis results are evaluated in each quarterly monitoring report and summarized in this 2011 Annual NPDES Discharge Monitoring Report dated February 27, 2012.

Potential Pollutant Source Visual Inspection

Visual inspections at the Site were conducted in 2011 from January through May and September through December at buildings, equipment, and surrounding areas to evaluate if any pollutant sources exist. Areas where known potential pollutants exist contain Best Management Practices (BMPs) to minimize and/or eliminate the potential for pollutant releases. No other areas were noticed requiring additional BMPs.

Best Management Practice (BMP) Review

As noted above, the Site has been inspected several times throughout 2011. As a result, BMPs were reviewed and evaluated to see if they were adequate, properly implemented and maintained, or whether additional BMPs are needed. Items that required repair, upgrades, and/or maintenance were identified on the inspection forms. Subsequent inspections noted that they were fixed or upgraded.

In addition, Boeing completed SWPPP reviews, updates, and inspections in accordance with facility and project-specific SWPPPs and BMP Plans (BMPPs). These documents, which are maintained per regulatory requirements, were updated in 2011 to better document Boeing's proactive efforts to mitigate the effects of the Topanga Wildfire and to minimize the potential for sediments, constituents, or onsite activities to impact surface water. Boeing's continued effort to improve and upgrade BMPs at the Site demonstrates

commitment to address previous exceedances and improve surface water discharge quality as indicated in the quarterly reports and summarized in the 2011 Annual Report.

SWPPP Revisions and Schedule

As noted above, the 2010 Permit was issued to Boeing on May 20, 2010 and became effective on July 19, 2010. The Site-Wide SWPPP was updated in accordance with the terms of the 2010 Permit, and was submitted to the Regional Board on October 15, 2010. The SWPPP was revised again in September and October 2011 due to changes, and was submitted to the Regional Board on October 31, 2011. In addition to the 2010 Permit requirements, changes since the last version (September 2009) have occurred and were noted accordingly in the current Site-Wide SWPPP.

Non-Compliance Incidents and Corrective Actions Taken

Non-compliance issues and corrective actions are listed in this 2011 Annual Report. In addition to those items, the following items were also noted and corrected as a result of the annual inspection conducted in September 2011.

- Lids and tarp covers on trash bins and large storage containers are being replaced, when necessary, during the rainy season.
- General housekeeping in some areas was, and continues to be, improved.
- Drains and catch-basins were maintained periodically throughout year.
- Conducted SWPPP Training for Key Personnel.
- Updated inspection forms to more efficiently track action items

SECTION 13

ANALYTICAL LABORATORY METHODS, METHOD DETECTION LIMITS, REPORTING LIMITS, QA/QC PROCEDURES, AND ELAP CERTIFICATIONS

SANTA SUSANA FIELD LABORATORY
SURFACE WATER SAMPLING PROGRAM
LABORATORY MDLs, REPORTING LIMITS, STATE MINIMUM LEVELS, AND PERMIT LIMITS COMPARISON
NPDES PERMIT CA0001309
Order No. R4-2010-0090

Analyte	Laboratory 2011 MDL	Laboratory 2011 RL	SWRCB ML	Laboratory vs ML(1)	Monthly Ave. Limits 019 Compliance	Daily Max Limits 001 Benchmark 002 Benchmark 011 Compliance 018 Compliance 019 Compliance	Daily Max Limits 003-010 Compliance	Daily Max Limits 012-014 Benchmark	Receiving Water Limits Arroyo Simi	Receiving Water Sediment Limits Arroyo Simi
624 - Low-level	**8260/624**	**8260/624**	**SWRCB**							
	MDL	**RL**	**Attach B**							
	ug/L	**ug/L**	**GCMS ML**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
1,1,1-Trichloroethane	0.30	0.5	2	--						
1,1,2,2-Tetrachloroethane	0.30	0.5	1	--						
1,1,2-Trichloroethane	0.30	0.5	2	--						
1,1-Dichloroethane	0.40	0.5	1	--						
1,1-Dichloroethene	0.42	0.5	2	--	3.2	6.0				
1,2-Dichlorobenzene	0.32	0.5	2	--						
1,2-Dichloroethane	0.28	0.5	2	PL < ML		0.5				
1,2-Dichloropropane	0.35	0.5	1	--						
1,3-Dichlorobenzene	0.35	0.5	2	--						
1,3-Dichloropropene (reported as cis & trans)	0.32	0.5	2	--						
1,4-Dichlorobenzene	0.37	0.5	2	--						
Benzene	0.28	0.5	2	--						
Bromodichloromethane	0.30	0.5	2	--						
Bromoform	0.40	0.5	2	--						
Bromomethane	0.42	0.5	2	--						
Carbon tetrachloride	0.28	0.5	2	--						
Chlorobenzene	0.36	0.5	2	--						
Chloroethane	0.40	0.5	2	--						
Chloroform	0.33	0.5	2	--						
Chloromethane	0.40	0.5	2	--						
Dibromochloromethane	0.40	0.5	2	--						
Ethylbenzene	0.25	0.5	2	--						
Methylene chloride	0.95	1.0	2	--						
Tetrachloroethene	0.32	0.5	2	--						
Toluene	0.36	0.5	2	--						
trans-1,2-Dichloroethene	0.30	0.5	1	--						
Trichloroethene	0.26	0.5	2	--		5.0				
Vinyl chloride	0.40	0.5	2	--						
1,2,3-Trichloropropane	0.40	0.5	n/a	--						
1,2-Dibromoethane (EDB)	0.40	0.5	n/a	--				50		
m,p-Xylenes	0.60	1.0	n/a	--						
Naphthalene	0.41	0.5	n/a	--				21		
o-Xylene	0.30	0.5	n/a	--						
Trichlorofluoromethane	0.34	0.5	n/a	--						
VOC - Add-ons	**8260/624**	**8260/624**	**SWRCB**							
	MDL	**RL**	**Attach B**							
	ug/L	**ug/L**	**GCMS ML**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
1,1,2-Trichloro-1,2,2-Trifluoromethane (Freon 113)	0.5	2	n/a	--						
1,2-Dichloro-1,1,2-Trichloroethane (Freon 123a)	1.1	2	n/a	--						
Cyclohexane (TIC)	0.4	1	n/a	--						

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Analyte	Laboratory 2011 MDL	Laboratory 2011 RL	SWRCB ML	Laboratory vs ML(1)	Monthly Ave. Limits 019 Compliance	Daily Max Limits 001 Benchmark 002 Benchmark 011 Compliance 018 Compliance 019 Compliance	Daily Max Limits 003-010 Compliance	Daily Max Limits 012-014 Benchmark	Receiving Water Limits Arroyo Simi	Receiving Water Sediment Limits Arroyo Simi
Oxygenates	**8260/624**	**8260/624**	**SWRCB**							
	MDL	**RL**	**Attach B**							
	ug/L	**ug/L**	**GCMS ML**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Di-isopropyl Ether (DIPE)	0.25	0.5	n/a	--						
Ethyl tert-Butyl Ether (ETBE)	0.28	0.5	n/a	--						
Methyl-tert-butyl Ether (MTBE)	0.32	0.5	n/a	--						
tert-Amyl Methyl Ether (TAME)	0.33	0.5	n/a	--						
tert-Butanol (TBA)	6.5	10	n/a	--				12		
	8260/624	**8260/624**	**SWRCB**							
	MDL	**RL**	**ML**							
624/8260B A-A+2CVE LOW	**ug/L**	**ug/L**	**GCMS (ug/L)**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Acrolein	4	5	5	--						
Acrylonitrile	1.2	2	2	--						
2-Chloroethylvinylether	1.8	2	1	ML< MDL						
	ug/L	**ug/L**	**GCMS ML**							
			SWRCB							
625+NDMA+Hydrazine -Standard	**MDL**	**RL**	**Attach B**							
1,2,4-Trichlorobenzene	2.5	10	5	MDL < ML < RL						
1,2-Dichlorobenzene	3	10	2	ML< MDL						
1,2-Diphenylhydrazine/Azobenzene	2.5	20	1	ML< MDL						
1,3-Dichlorobenzene	3	10	1	ML< MDL						
1,4-Dichlorobenzene	2.5	10	1	ML< MDL						
2,4,6-Trichlorophenol	4.5	20	10	MDL < ML < RL	6.5	13				
2,4-Dichlorophenol	3.5	10	5	MDL < ML < RL						
2,4-Dimethylphenol	3.5	20	2	ML< MDL						
2,4-Dinitrophenol	8	20	5	ML< MDL						
2,4-Dinitrotoluene	3.5	10	5	MDL < ML < RL	9.1	18				
2,6-Dinitrotoluene	2	10	5	MDL < ML < RL						
2-Chloronaphthalene	3	10	10	--						
2-Chlorophenol	3	10	5	MDL < ML < RL						
2-Nitrophenol	3.5	10	10	--						
3,3-Dichlorobenzidine	7.5	20	5	ML< MDL						
4,6-Dinitro-2-methylphenol	4	20	5	MDL < ML < RL						
4-Bromophenyl phenyl ether	3	10	5	MDL < ML < RL						
4-Chloro-3-methylphenol	2.5	20	1	ML< MDL						
4-Chlorophenyl phenyl ether	2.5	10	5	MDL < ML < RL						
4-Nitrophenol	5.5	20	10	MDL < ML < RL						
Acenaphthene	3	10	1	ML< MDL						
Acenaphthylene	3	10	10	--						
Anthracene	2.5	10	10	--						
Benzidine	10	20	5	ML< MDL						
Benzo(a)anthracene	2.5	10	5	MDL < ML < RL						
Benzo(a)pyrene	3	10	10	--						
Benzo(b)fluoranthene	2.5	10	n/a	--						

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Benzo(g,h,i)perylene	4	10	5	ML< MDL						
Benzo(k)fluoranthene	2.5	10	10	--						
Bis(2-chloroethoxy)methane	2.5	10	5	MDL < ML < RL						
Bis(2-chloroethyl)ether	3	10	1	ML< MDL						
Bis(2-chloroisopropyl)ether	2.5	10	2	ML< MDL						
Bis(2-ethylhexyl)phthalate	4	50	5	MDL & PL < ML		4.0				
Butyl benzyl phthalate	4	20	10	MDL < ML < RL						
Chrysene	2.5	10	10	--						
Dibenz(a,h)anthracene	3	20	10	MDL < ML < RL						
Diethyl phthalate	3.5	10	2	ML< MDL						
Dimethyl phthalate	2.5	10	2	ML< MDL						
Di-n-butyl phthalate	3	20	10	MDL < ML < RL						
Di-n-octyl phthalate	3.5	20	10	MDL < ML < RL						
Fluoranthene	3	10	1	ML< MDL						
Fluorene	3	10	10	--						
Hexachlorobenzene	3	10	1	ML< MDL						
Hexachlorobutadiene	4	10	1	ML< MDL						
Hexachlorocyclopentadiene	5	20	5	MDL < ML < RL						
Hexachloroethane	3.5	10	1	ML< MDL						
Indeno(1,2,3-cd)pyrene	3.5	20	10	MDL < ML < RL						
Isophorone	3	10	1	MDL < ML < RL						
Naphthalene	3	10	1	ML< MDL						
Nitrobenzene	3	20	1	ML< MDL						
n-Nitrosodimethylamine	2.5	20	5	ML< MDL	8.1	16				
n-Nitroso-di-n-propylamine	3.5	10	5	MDL < ML < RL						
n-Nitrosodiphenylamine	2	10	1	ML< MDL						
Pentachlorophenol	3.5	20	5	MDL < ML < RL	8.2	16.5				
Phenanthrene	3.5	10	5	MDL < ML < RL						
Phenol	2	10	1	ML< MDL						
2,4,5-Trichlorophenol	4.5	20	n/a	--						
Pyrene	4	10	10	--						
2-Methylnaphthalene	2	10	n/a	--						
2-Methylphenol	3	10	n/a	--						
2-Nitroaniline	2	20	n/a	--						
3-Nitroaniline	3	20	n/a	--						
4-Chloroaniline	2	10	n/a	--						
4-Methylphenol	3	10	n/a	--						
4-Nitroaniline	4	20	n/a	--						
Aniline	3.5	10	n/a	--						
Benzoic acid	10	20	n/a	--						
Benzyl alcohol	3.5	20	n/a	--						
Dibenzofuran	4	10	n/a	--						
			SWRCB							
625+NDMA+Hydrazine -Low-level	**MDL**	**RL**	**ML**							
	ug/L	**ug/L**	**GC/MS (ug/L)**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
1,2,4-Trichlorobenzene	0.1	1	5	--						

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1,2-Dichlorobenzene	0.1	0.5	2	--						
1,2-Diphenylhydrazine/Azobenzene	0.2	1	1	--						
1,3-Dichlorobenzene	0.1	0.5	1	--						
1,4-Dichlorobenzene	0.2	0.5	1	--						
2,4,6-Trichlorophenol	0.2	1	10	--	6.5	13				
2,4-Dichlorophenol	0.2	2	5	--						
2,4-Dimethylphenol	0.3	2	2	--						
2,4-Dinitrophenol	0.9	5	5	--						
2,4-Dinitrotoluene	0.2	5	5	--	9.1	18				
2,6-Dinitrotoluene	0.1	5	5	--						
2-Chloronaphthalene	0.1	0.5	10	--						
2-Chlorophenol	0.2	1	5	--						
2-Nitrophenol	0.1	2	10	--						
3,3-Dichlorobenzidine	0.5	5	5	--						
4,6-Dinitro-2-methylphenol	0.3	5	5	--						
4-Bromophenyl phenyl ether	0.2	1	5	--						
4-Chloro-3-methylphenol	0.2	2	1	ML < RL						
4-Chlorophenyl phenyl ether	0.2	0.5	5	--						
4-Nitrophenol	2.5	5	10	--						
Acenaphthene	0.2	0.5	1	--						
Acenaphthylene	0.2	0.5	10	--						
Anthracene	0.1	0.5	10	--						
Benzidine	1	5	5	--						
Benzo(a)anthracene	0.1	5	5	--						
Benzo(a)pyrene	0.1	2	10	--						
Benzo(b)fluoranthene	0.1	2	10	--						
Benzo(g,h,i)perylene	0.1	5	5	--						
Benzo(k)fluoranthene	0.2	0.5	10	--						
Bis(2-chloroethoxy)methane	0.1	0.5	5	--						
Bis(2-chloroethyl)ether	0.1	0.5	1	--						
Bis(2-chloroisopropyl)ether	0.1	0.5	2	--						
Bis(2-ethylhexyl)phthalate	1.7	5	5	MDL < PL < ML		4.0				
Butyl benzyl phthalate	0.7	5	10	--						
Chrysene	0.1	0.5	10	--						
Dibenz(a,h)anthracene	0.1	0.5	10	--						
Diethyl phthalate	0.1	1	2	--						
Dimethyl phthalate	0.2	0.5	2	--						
Di-n-butyl phthalate	0.3	2	10	--						
Di-n-octyl phthalate	0.2	5	10	--						
Fluoranthene	0.1	0.5	1	--						
Fluorene	0.1	0.5	10	--						
Hexachlorobenzene	0.1	1	1	--						
Hexachlorobutadiene	0.2	2	1	ML < RL						
Hexachlorocyclopentadiene	0.1	5	5	--						
Hexachloroethane	0.2	3	1	ML < RL						
Indeno(1,2,3-cd)pyrene	0.1	2	10	--						
Isophorone	0.1	1	1	--						

SANTA SUSANA FIELD LABORATORY
SURFACE WATER SAMPLING PROGRAM
LABORATORY MDLs, REPORTING LIMITS, STATE MINIMUM LEVELS, AND PERMIT LIMITS COMPARISON
NPDES PERMIT CA0001309
Order No. R4-2010-0090

Analyte	Laboratory 2011 MDL	Laboratory 2011 RL	SWRCB ML	Laboratory vs ML(1)	Monthly Ave. Limits 019 Compliance	Daily Max Limits 001 Benchmark 002 Benchmark 011 Compliance 018 Compliance 019 Compliance	Daily Max Limits 003-010 Compliance	Daily Max Limits 012-014 Benchmark	Receiving Water Limits Arroyo Simi	Receiving Water Sediment Limits Arroyo Simi
Naphthalene	0.1	1	1	--						
Nitrobenzene	0.1	1	1	--						
n-Nitrosodimethylamine	0.1	2	5	--	8.1	16				
n-Nitroso-di-n-propylamine	0.1	2	5	--						
n-Nitrosodiphenylamine	0.1	1	1	--						
Pentachlorophenol	0.4	2	5	--	8.2	16.5				
Phenanthrene	0.1	0.5	5	--						
Phenol	0.3	1	1	--						
Pyrene	0.1	0.5	10	--						
			SWRCB							
PCB, LL in Water (EPA 608)	**MDL**	**RL**	**ML**							
	ug/L	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/g**
Aroclor 1016	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1221	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1232	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1242	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1248	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1254	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
Aroclor 1260	0.25	0.5	0.5	PL < ML& MDL					0.0003	0.12 / 25.7
			SWRCB							
Pesticides in Water, Low Level (EPA 608)	**MDL**	**RL**	**ML**							
	ug/L	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/g**
Aldrin	0.0015	0.005	0.005	--						
alpha-BHC	0.0025	0.005	0.01	--	0.01	0.03				
beta-BHC	0.004	0.01	0.005	MDL<ML<RL						
delta-BHC	0.0035	0.005	0.005	--						
gamma-BHC (Lindane)	0.003	0.01	0.02	--						
Chlordane	0.008	0.1	0.1	PL < ML&MDL					0.001	0.0033 / 0.0033
4,4'-DDD	0.004	0.005	0.05	PL < ML&MDL					0.0014	0.002 / 0.014
4,4'-DDE	0.003	0.005	0.05	PL < ML&MDL					0.001	0.0014 / 0.17
4,4'-DDT	0.004	0.01	0.01	PL < ML&MDL					0.001	0.0003 / 0.025
Dieldrin	0.002	0.005	0.01	PL < ML&MDL					0.0002	0.0002 / 0.0011
Endosulfan I	0.003	0.005	0.02	--						
Endosulfan II	0.002	0.005	0.01	--						
Endosulfan sulfate	0.003	0.01	0.05	--						
Endrin	0.002	0.005	0.01	--						
Endrin aldehyde	0.002	0.01	0.01	--						
Heptachlor	0.003	0.01	0.01	--						
Heptachlor epoxide	0.0025	0.005	0.01	--						
Toxaphene	0.25	0.5	0.5	PL < ML&MDL					0.0003	0.0006 / 0.23
Chlorpyrifos (EPA 525.2)	0.08	1	n/a	PL < RL					0.02	
Diazinon (EPA 525.2)	0.04	0.25	n/a						0.16	
			SWRCB							
	MDL	**RL**	**ML**							

SANTA SUSANA FIELD LABORATORY
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NPDES PERMIT CA0001309
Order No. R4-2010-0090

Analyte	Laboratory 2011 MDL	Laboratory 2011 RL	SWRCB ML	Laboratory vs ML(1)	Monthly Ave. Limits 019 Compliance	Daily Max Limits 001 Benchmark 002 Benchmark 011 Compliance 018 Compliance 019 Compliance	Daily Max Limits 003-010 Compliance	Daily Max Limits 012-014 Benchmark	Receiving Water Limits Arroyo Simi	Receiving Water Sediment Limits Arroyo Simi
ICP/MS 200.8	**ug/L**	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Antimony	0.3	2	0.5	MDL<ML<RL		6.0	6.0			
Cadmium	0.10	1	0.25	--	2.0	3.1/4.0	3.1 (outfall 008) / 4.0	3.1		
Copper	0.5	2	0.5	--	7.1	14	14	14		
Lead	0.2	1	0.5	MDL<ML<RL	2.6	5.2	5.2	5.2		
Selenium	0.5	2	2	--	4.1	8.2/5	5 (outfall 008)	5		
Silver	0.1	1	0.25	ML<MDL	2.0	4.1				
Thallium	0.2	1	1	--		2.0	2.0			
			SWRCB							
	MDL	**RL**	**ML**							
ICP 200.7	**ug/L**	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Aluminum	40	50	n/a							
Arsenic	7	10	10	--		10				
Beryllium	0.9	2	2	--		4.0				
Chromium	2	5	10	--	see Cr VI	see Cr VI				
Manganese	7	20	n/a	--		50				
Nickel	2	10	20	--	35	96	100			
Vanadium	3	10	n/a	--						
Zinc	6	20	20	--	54	119	159 (outfall 008)	159		

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			SWRCB							
	MDL	**RL**	**ML**							
ICP 200.7	**mg/L**	**mg/L**	**mg/L**		**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	
Boron	0.02	0.05	n/a	--			1.0			
Iron	0.015	0.04	n/a	--		0.3				
Barium	0.006	0.01	n/a	--		1.0				
Calcium	0.050	0.1	n/a							
Magnesium	0.012	0.02	n/a							
			SWRCB							
	MDL	**RL**	**ML**							
Mercury	**ug/L**	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Mercury (245.1)	0.1	0.2	0.5	PL < ML < RL	0.05	0.10	0.13	0.10		
			SWRCB							
	MDL	**RL**	**ML**							
Chromium VI	**ug/L**	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Chromium IV (218.6/7199)	0.25	1	10	PL < ML	8	16				
			SWRCB							
	MDL	**RL**	**Attach B**							
	ug/L	**ug/L**	**ML**							
Chromium III (calc)	n/a	2	n/a	--						
			SWRCB							
	MDL	**RL**	**ML**							
	ug/L	**ug/L**	**ug/L**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Cyanide by EPA 335.2	2.2	5.0	5.0	PL < ML&RL	4.3	8.5	9.5			
			SWRCB							
	MDL	**RL**	**ML**							
	MFL	**MFL**	**MFL**		**MFL**	**MFL**	**MFL**	**MFL**	**MFL**	
Asbestos by EPA 100.1 (TEM)	2.2	2.2	n/a							
			SWRCB							
	MDL	**RL**	**Attach B**							
8260B-Mod	**ug/L**	**ug/L**	**ML**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
1,4-Dioxane	1	2	n/a	--				3		
			SWRCB							
	MDL	**RL**	**Attach B**							
8015-Mod	**mg/L**	**mg/L**	**ML**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
Gasoline Range Organics (GRO)	0.03	0.05	n/a	--				100		
Diesel Range Organics (DRO)	0.1	0.5	n/a	PL < RL				100		
			SWRCB							
	MDL	**RL**	**Attach B**							
	ug/L	**ug/L**	**ML (ug/L)**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	

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Perchlorate by EPA 314.0	0.95	4	n/a	--		6.0	6.0	6.0		
			SWRCB							
			Attach B							
	ug/L	**ug/L**	**ML (ug/L)**		**ug/L**	**ug/L**	**ug/L**	**ug/L**	**ug/L**	
TCDD TEQ (TA West Sacramento)	8.40E-13	5.00E-12	n/a	--	1.40E-08	2.80E-08	2.80E-08	2.80E-08		
			SWRCB							
	MDL	**RL**	**Attach B**							
General Chemistry	**mg/L**	**mg/L**	**ML**		**mg/L**	**mg/L**	**mg/L**	**mg/L**	**mg/L**	
Suspended Soilids (TSS)	1	10	n/a	--	15	45		45		
BOD	0.5	2	n/a	--	20	30				
Conductivity (umhos/cm)	n/a	1	n/a	--						
Settleable Solids (ml/L)	n/a	0.1	n/a	--	0.1	0.3		0.3		
Oil & Grease (1664-HEM)	1.4	5	n/a	--	10	15	15	15		
Ammonia-N	0.157	0.4	n/a	--	1.96	10.1	10.1 (outfall 008)	10.1		
Turbidity (NTU)	0.04	1	n/a	--						
Total Residual Chlorine	**FIELD TEST**		n/a	--		0.1				
Total Organic Carbon	0.75	1	n/a	--						
Total Dissolved Solids	1	10	n/a	--		950	850 / 950 (outfall 008)	950		
Chloride	0.4	0.5	n/a	--		150	150	150		
Sulfate	0.4	0.5	n/a	--		300	250 / 300 (outfall 008)	300		
Detergents (MBAS)	0.05	0.1	n/a	--		0.5				
Nitrate + Nitrite-N	0.19	0.26	n/a	--		8	8 (outfall 008) / 10	8		
Nitrate-N	0.08	0.11	n/a	--		8	8 (outfall 008)	8		
Nitrite-N	0.11	0.15	n/a	--		1	1 (outfall 008)	1		
Fluoride	0.02	0.1	n/a	--		1.6	1.6	1.6		
Dissolved Oxygen	**FIELD TEST**		n/a	--						

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			SWRCB							
	MDL	RL	Attach B							
Radiochemistry (Eberline Lab)	pCi/L	pCi/L	ML		pCi/L	pCi/L	pCi/L	pCi/L	pCi/L	
Gross Alpha**	n/a	3	n/a	--		15	15			
Gross Beta**	n/a	4	n/a	--		50	50			
Radium 226 + 228**	n/a	1	n/a	--		5.0	5.0			
Tritium**	n/a	500	n/a	--		20000	20000			
Strontium 90**	n/a	2	n/a	--		8.0	8.0			
Uranium**	n/a	1	n/a	--		20	20			
Potassium-40**	n/a	25	n/a	--						
Cesium-137**	n/a	20	n/a	--		200	200			
			SWRCB							
	MDL	RL	Attach B							
8315M (Truesdail Lab)	ug/L	ug/L	ML		ug/L	ug/L	ug/L	ug/L	ug/L	
Monomethyl hydrazine**	1.77	5.0	n/a	--						
Dimethyl hydrazine**	1.13	1.0	n/a							
Hydrazine**	0.439	1.0	n/a							
			SWRCB							
	MDL	RL	Attach B							
Toxicity (Aquatic Lab)	% Survival	% Survival	ML		% Survival	% Survival	% Survival	% Survival	% Survival	
Acute Toxicity**	n/a	n/a	n/a	--		70	70	70		
	TUc	TUc	ML		TUc	TUc	TUc	TUc	TUc	
Chronic Toxicity**	n/a	n/a	n/a	--		1.0	1.0	1.0		
			SWRCB							
	MDL	RL	Attach B							
Biological	MPN	MPN	ML		MPN	MPN	MPN	MPN	MPN	
Total Coliform**	n/a	n/a	n/a	--						
Fecal Coliform**	n/a	2	n/a	--	200	400	400	400	400	
E. coli**	n/a	2	n/a	--	126	235	235	235	235	

SWRCB = State Water Resources Control Board

** The SWRCB does not have MLs established for these analyses. As required In the NPDES Permit, a full list of MDL/RL's will be supplied to the RWQCB on an annual basis.

Columns are used to compare laboratory's reporting limits (RLs) and method detection limits (MDLs) to the SWRCB MLs and the permit limits

(1) This column indicates the status of analytical capabilities if the ML is < the laboratory RL or MDL.

If nothing is displayed in the cell, the RL meets the ML and the Permit Limit.

The following designations which are in the table, summarize the comparison of RLs, MDLs, MLs, and permit limits:

--	Laboratory reporting limit meets ML and permit limit requirements
ML< MDL	The laboratory method detection limit does not meet the ML
MDL<ML<RL	The ML is less than RL, but greater than the MDL
PL<ML	The established permit limit is less than the ML
PL < ML&RL	The permit limit is less than the ML and the RL
PL < RL	The permit limit is less than the RL

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

AQUATIC BIOASSAY & CONSULTING LABORATORIES, INC.

29 NORTH OLIVE STREET

VENTURA, CA 93001

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1907**

Expiration Date: **07/31/2011**

Effective Date: **07/01/2009**

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

Aquatic Bioassay & Consulting Laboratories, Inc.

29 North Olive Street

Ventura, CA 93001

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1907**

Expiration Date: **07/31/2013**

Effective Date: **08/01/2011**

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

CDPH
California Department of Public Health

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

AQUATIC TESTING LABORATORIES

4350 TRANSPORT STREET, UNIT 107

VENTURA, CA 93003

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1775**

Expiration Date: **07/31/2012**

Effective Date: **08/01/2010**

Richmond, California
subject to forfeiture or revocation

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

State of California—Health and Human Services Agency
California Department of Public Health

MARK B HORTON, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

July 9, 2010

JOSEPH A. LeMAY
AQUATIC TESTING LABORATORIES
4350 TRANSPORT STREET, UNIT 107
VENTURA, CA 93003

Dear JOSEPH A. LeMAY: Certificate No. 1775

This is to advise you that the laboratory named above continues to be certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq. Certification for all currently certified Fields of Testing that the laboratory has applied for renewal shall remain in effect until **07/31/2012** unless it is revoked.

Please note that the renewal application for certification is subject to an on-site process, and the continued use of this certificate is contingent upon:

- **successful completion of the on-site process;**
- **acceptable performance in the required proficiency testing (PT) studies;**
- **timely payment of all fees, including an annual fee due before July 31, 2011;**
- **compliance with Environmental Laboratory Accreditation Program Branch (ELAP) statutes (HSC, Section 100825, et seq.) and Regulations (California Code of Regulations (CCR),Title 22, Division 4, Chapter 19).**

An updated certificate of the "Fields of Testing" will be issued to the laboratory upon successful completion of the on-site process.

The application for the renewal of this certificate must be received before the expiration date to remain in force according to the HSC100845(a).

Please note that the laboratory is required to notify ELAP of any major changes in the laboratory such as the transfer of ownership, change of laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (HSC, Section 100845(b)(d)). Please include the above certificate number in all your correspondence with ELAP.

If you have any questions, please contact ELAP at (510) 620-3155.

Sincerely,

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

AQUATIC TESTING LABORATORIES **Lab Phone** (805) 650-0546

4350 TRANSPORT STREET, UNIT 107
VENTURA, CA 93003

Certificate No: 1775 **Renew Date: 07/31/2010**

Field of Testing: 113 - Whole Effluent Toxicity of Wastewater

113.010	001A	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static
113.010	001B	Fathead Minnow (P. promelas)	EPA 600/4-90/027F, Static Renewal
113.010	003A	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static
113.010	003B	Rainbow trout (O. mykiss)	EPA 600/4-90/027F, Static Renewal
113.010	005A	Daphnid (C. dubia)	EPA 600/4-90/027F, Static
113.010	005B	Daphnid (C. dubia)	EPA 600/4-90/027F, Static Renewal
113.010	006A	Daphnia spp.	EPA 600/4-90/027F, Static
113.010	006B	Daphnia spp.	EPA 600/4-90/027F, Static Renewal
113.010	008A	Topsmelt (A. affinis)	EPA 600/4-90/027F, Static
113.010	008B	Topsmelt (A. affinis)	EPA 600/4-90/027F, Static Renewal
113.010	009A	Silverside (Menidia spp.)	EPA 600/4-90/027F, Static
113.010	009B	Silverside (Menidia spp.)	EPA 600/4-90/027F, Static Renewal
113.010	012A	Mysid (M. bahia)	EPA 600/4-90/027F, Static
113.010	012B	Mysid (M. bahia)	EPA 600/4-90/027F, Static Renewal
113.021	001A	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static
113.021	001B	Fathead Minnow (P. promelas)	EPA 2000 (EPA-821-R-02-012), Static Renewal
113.022	003A	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static
113.022	003B	Rainbow trout (O. mykiss)	EPA 2019 (EPA-821-R-02-012), Static Renewal
113.023	005A	Daphnid (C. dubia)	EPA 2002 (EPA-821-R-02-012), Static
113.023	005B	Daphnid (C. dubia)	EPA 2002 (EPA-821-R-02-012), Static Renewal
113.024	006A	Daphnia spp.	EPA 2021 (EPA-821-R-02-012), Static
113.024	006B	Daphnia spp.	EPA 2021 (EPA-821-R-02-012), Static Renewal
113.025	009A	Silverside (Menidia spp.)	EPA 2006 (EPA-821-R-02-012), Static
113.025	009B	Silverside (Menidia spp.)	EPA 2006 (EPA-821-R-02-012), Static Renewal
113.027	012A	Mysid (M. bahia)	EPA 2007 (EPA-821-R-02-012), Static
113.027	012B	Mysid (M. bahia)	EPA 2007 (EPA-821-R-02-012), Static Renewal
113.028	008A	Topsmelt (A. affinis)	EPA-821-R-02-012, Static
113.028	008B	Topsmelt (A. affinis)	EPA-821-R-02-012, Static Renewal
113.040	001	Fathead Minnow (P. promelas)	EPA 1000 (EPA/600/4-91/002)
113.041	001	Fathead Minnow (P. promelas)	EPA 1000 (EPA-821-R-02-013)
113.050	005	Daphnid (C. dubia)	EPA 1002 (EPA/600/4-91/002)
113.051	005	Daphnid (C. dubia)	EPA 1002 (EPA-821-R-02-013)
113.060	020	Green algae (S. capricornutum)	EPA 1003 (EPA/600/4-91/002)
113.061	020	Green algae (S. capricornutum)	EPA 1003 (EPA-821-R-02-013)
113.080	009	Silverside (Menidia spp.)	EPA 1006 (EPA/600/4-91/003)
113.081	009	Silverside (Menidia spp.)	EPA 1006 (EPA-821-R-02-014)

As of 07/21/2008 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

113.120	008	Topsmelt (A. affinis)	EPA 600/R-95/136
113.120	017D	Purple sea urchin (S. purpuratus)	EPA 600/R-95/136, Fertilization Test
113.120	022	Giant kelp (M. pyrifera)	EPA 600/R-95/136
113.120	023	Red abalone (H. rufescens)	EPA 600/R-95/136

Field of Testing: 119 - Toxicity Bioassay of Hazardous Waste

119.010	001	Fathead Minnow (P. promelas)	Polisini & Miller (CDFG 1988)
119.010	003	Rainbow trout (O. mykiss)	Polisini & Miller (CDFG 1988)

State of California—Health and Human Services Agency
California Department of Public Health

MARK B HORTON, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

December 17, 2010

RECEIVED
FEB 11 2011
BY: Ky 2/11/11

MARVIN E. CLAGUE
EBERLINE ANALYTICAL CORPORATION, RICHMOND LABORATORY
2030 WRIGHT AVENUE
RICHMOND, CA 94804-3849

Dear MARVIN E. CLAGUE: Certificate No. 01120CA

This is to advise you that the laboratory named above has been accredited under National Environmental Laboratory Accreditation Program (NELAP) as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.

The Fields of Accreditation for which this laboratory has been accredited are enclosed. Accreditation shall remain in effect until **January 31, 2012** unless revoked by ELAP or withdrawn at your written request. To maintain accreditation, the laboratory shall comply with the National Environmental Laboratory Accreditation Conference (NELAC) Standards and all associated California Environmental Laboratory Accreditation Program Branch (ELAP) regulations and statutes.

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Please note that your laboratory is required to notify California ELAP of any major changes in key accreditation criteria within 30 calendar days of the change. This written notification includes, but is not limited to, changes in ownership, location, key personnel, and major instrumentation (HSC 100845(b) and (d), and NELAC Standard Section 4.3.2). The certificate must be returned to California ELAP upon loss of accredited status.

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories accredited by the State of California.

If you have any questions, please contact Jane Jensen at (510) 620-3155.

Sincerely,

George C. Kulasingam

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Enclosure

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED

NELAP Fields of Accreditation

Eberline Analytical Corporation, Richmond Laboratory
Richmond, CA
2030 Wright Avenue
Richmond, CA 94804-3849
Phone: (510) 235-2633

Certificate No.: 01120CA
Renew Date: 1/31/2012

106 - Radiochemistry of Drinking Water

106.010	001	EPA 900.0	Gross Alpha
106.010	002	EPA 900.0	Gross Beta
106.020	001	EPA 901.0	Radioactive Cesium
106.030	001	EPA 901.1	Radioactive Cesium
106.030	002	EPA 901.1	Radioactive Iodine
106.030	003	EPA 901.1	Gamma Emitters
106.040	001	EPA 902.0	Radioactive Iodine
106.050	001	EPA 903.0	Total Alpha Radium
106.050	002	EPA 903.0	Radium-226
106.051	001	EPA 903.1	Radium-226
106.060	001	EPA 904.0	Radium-228
106.070	001	EPA 905.0	Strontium-89, 90
106.070	002	EPA 905.0	Strontium-89
106.070	003	EPA 905.0	Strontium-90
106.080	001	EPA 906.0	Tritium
106.090	001	EPA 908.0	Uranium
106.120	001	EPA 00-02	Gross Alpha
106.150	002	EPA Ra-03	Radium-226
106.160	001	EPA Ra-04	Radium-226
106.170	001	EPA Ra-05	Radium-228
106.201	001	DOE Ra-04	Radium-226
106.210	001	DOE Sr-01	Strontium-89, 90
106.220	001	DOE Sr-02	Strontium-89, 90
106.230	001	DOE U-02	Uranium
106.250	001	DOE 4.5.2.3	Radioactive Cesium
106.250	003	DOE 4.5.2.3	Gamma Emitters
106.260	001	SM7110B	Gross Alpha
106.260	002	SM7110B	Gross Beta
106.270	001	SM7110C	Gross Alpha
106.280	001	SM7120	Radioactive Cesium
106.280	002	SM7120	Radioactive Iodine
106.280	003	SM7120	Gamma Emitters
106.290	001	SM7500-Cs B	Radioactive Cesium

As of 12/17/2010, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

106.300	001	SM7500-3H B	Tritium
106.320	001	SM7500-I C	Radioactive Iodine
106.340	001	SM7500-Ra B	Total Alpha Radium
106.340	002	SM7500-Ra B	Radium-226
106.350	001	SM7500-Ra C	Radium-226
106.360	001	SM7500-Ra D	Radium-228
106.390	001	SM7500-U C	Uranium
106.431	001	ASTM D3454-97	Radium-226
106.440	001	ASTM D3649-91	Radioactive Cesium
106.440	002	ASTM D3649-91	Radioactive Iodine
106.440	003	ASTM D3649-91	Gamma Emitters
106.452	001	ASTM D3972-97	Uranium
106.480	001	ASTM D5174-97	Uranium
106.620	001	ASTM D5072-92	Radon-222
106.990	002	EPA 00-07	Thorium

112 - Radiochemistry of Wastewater

112.010	001	EPA 900.0	Gross Alpha
112.010	002	EPA 900.0	Gross Beta
112.020	001	EPA 903.0	Total Alpha Radium
112.021	001	EPA 903.1	Radium-226
112.030	001	SM7110B	Gross Alpha
112.030	002	SM7110B	Gross Beta
112.040	001	SM7500-Ra B	Total Alpha Radium
112.050	001	SM7500-Ra C	Radium-226
112.060	001	ASTM D1890-90	Gross Beta
112.070	001	ASTM D1943-90	Gross Alpha
112.080	001	ASTM D2460-90	Total Alpha Radium
112.130	001	EPA 901.0	Cesium
112.140	001	EPA 901.1	Cesium
112.140	002	EPA 901.1	Gamma
112.140	003	EPA 901.1	Iodine
112.150	001	EPA 902.0	Iodine
112.160	001	EPA 904.0	Radium-228
112.170	001	EPA 905.0	Strontium
112.180	001	EPA 906.0	Tritium
112.190	001	EPA 908.0	Uranium
112.210	001	EPA Ra-05	Radium-228
112.260	001	SM7120	Gamma
112.260	002	SM7120	Iodine
112.260	003	SM7120	Cesium
112.350	001	SM7500-U C	Uranium

As of 12/17/2010, this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

112.380	001	ASTM D3649-91	Cesium
112.380	002	ASTM D3649-91	Gamma
112.380	003	ASTM D3649-91	Iodine
112.400	001	ASTM D4785-88	Iodine
112.490	001	DOE 4.5.2.3	Cesium
112.490	002	DOE 4.5.2.3	Gamma
112.490	003	DOE 4.5.2.3	Iodine
112.500	001	DOE Sr-01	Strontium
112.510	001	DOE Sr-02	Strontium
112.990	001	EPA 00-07	Thorium

118 - Radiochemistry of Hazardous Waste

118.010	001	EPA 9310	Gross Alpha
118.010	002	EPA 9310	Gross Beta
118.020	001	EPA 9315	Radium, Total
118.030	001	EPA 9320	Radium-228
118.060	001	EPA 00-07	Thorium
118.060	002	EPA 00-07	Uranium
118.090	001	EPA AM-01-1	Americium-241
118.100	001	EPA H-01	Tritium
118.110	001	EPA Pu-01	Plutonium
118.130	001	EPA Ra-03	Radium-226
118.140	001	EPA Ra-04	Radium-226
118.150	001	EPA Ra-05	Radium-228
118.200	001	DOE 4.5.2.3	Gamma
118.211	001	DOE Am-02	Americium-241
118.212	001	DOE Am-03	Americium-241
118.220	001	DOE H-03	Tritium
118.230	001	DOE Pu-02	Plutonium
118.270	001	DOE Sr-01	Strontium
118.271	001	DOE Sr-02	Strontium
118.280	001	DOE Tc-01	Technetium
118.290	001	DOE U-02	Uranium

NELAP - RECOGNIZED

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF NELAP ACCREDITATION

Is hereby granted to

Eberline Analytical Corporation, Richmond Laboratory

Richmond, CA

2030 Wright Avenue

Richmond, CA 94804-3849

Scope of the Certificate is limited to the
"NELAP Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on successful
ongoing participation in the program.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **01120CA**

Expiration Date: **1/31/2012**

Effective Date: **2/1/2011**

Richmond, California
subject to forfeiture or revocation

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

CDPH
California Department of
PublicHealth

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

EMS LABORATORIES, INC.

117 WEST BELLEVUE DRIVE

PASADENA, CA 91105

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1119**

Expiration Date: **2/28/2012**

Effective Date: **3/1/2010**

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

CALIFORNIA DEPARTMENT OF HEALTH SERVICES
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

EMS LABORATORIES, INC. **Lab Phone** (626) 568-4065

117 WEST BELLEVUE DRIVE
PASADENA, CA 91105

Certificate No: 1119 **Renew Date: 2/28/2008**

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water			
103.150	009	Lead	EPA 200.9
103.300	001	Asbestos	EPA 100.1
103.301	001	Asbestos	EPA 100.2
Field of Testing: 108 - Inorganic Chemistry of Wastewater			
108.020	001	Conductivity	EPA 120.1
108.050	001	pH	EPA 150.1
108.060	001	Residue, Filterable	EPA 160.1
108.070	001	Residue, Non-filterable	EPA 160.2
108.080	001	Residue, Total	EPA 160.3
108.090	001	Residue, Volatile	EPA 160.4
108.100	001	Residue, Settleable	EPA 160.5
108.115	001	Calcium	EPA 215.1
108.117	001	Magnesium	EPA 242.1
108.119	001	Sodium	EPA 273.1
108.120	001	Bromide	EPA 300.0
108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	005	Nitrite	EPA 300.0
108.141	001	Alkalinity	EPA 310.2
108.162	001	Chloride	EPA 325.3
108.172	001	Chlorine Residual, Total	EPA 330.3
108.180	001	Cyanide, amenable	EPA 335.1
108.181	001	Cyanide, Total	EPA 335.2
108.262	001	Phosphate, Ortho	EPA 365.2
108.263	001	Phosphorus, Total	EPA 365.2
108.281	001	Sulfate	EPA 375.3
108.290	001	Sulfide	EPA 376.1
108.323	001	Chemical Oxygen Demand	EPA 410.4
108.350	001	Total Recoverable Petroleum Hydrocarbons	EPA 418.1
108.380	001	Oil and Grease	EPA 1664
Field of Testing: 109 - Toxic Chemical Elements of Wastewater			
109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7
109.010	004	Barium	EPA 200.7

As of 10/16/2006 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.030	001	Aluminum	EPA 202.1
109.040	001	Antimony	EPA 204.1
109.050	001	Arsenic	EPA 206.2
109.060	001	Barium	EPA 208.1
109.070	001	Beryllium	EPA 210.1
109.080	001	Cadmium	EPA 213.1
109.100	001	Chromium	EPA 218.1
109.110	001	Cobalt	EPA 219.1
109.120	001	Copper	EPA 220.1
109.150	001	Iron	EPA 236.1
109.160	001	Lead	EPA 239.1
109.180	001	Manganese	EPA 243.1
109.190	001	Mercury	EPA 245.1
109.200	001	Molybdenum	EPA 246.1
109.210	001	Nickel	EPA 249.1
109.280	001	Selenium	EPA 270.2
109.290	001	Silver	EPA 272.1
109.310	001	Thallium	EPA 279.1
109.320	001	Tin	EPA 282.1
109.330	001	Titanium	EPA 283.1
109.340	001	Vanadium	EPA 286.1
109.350	001	Zinc	EPA 289.1
109.811	001	Chromium (VI)	SM3500-Cr D

Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste

114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B

114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.030	001	Antimony	EPA 7040
114.040	001	Arsenic	EPA 7060A
114.060	001	Barium	EPA 7080A
114.070	001	Beryllium	EPA 7090
114.080	001	Cadmium	EPA 7130
114.090	001	Chromium	EPA 7190
114.103	001	Chromium (VI)	EPA 7196A
114.104	001	Chromium (VI)	EPA 7197
114.110	001	Cobalt	EPA 7200
114.120	001	Copper	EPA 7210
114.130	001	Lead	EPA 7420
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.150	001	Molybdenum	EPA 7480
114.160	001	Nickel	EPA 7520
114.170	001	Selenium	EPA 7740
114.180	001	Silver	EPA 7760A
114.190	001	Thallium	EPA 7840
114.200	001	Vanadium	EPA 7910
114.210	001	Zinc	EPA 7950
114.222	001	Cyanide	EPA 9014
114.250	001	Fluoride	EPA 9056
Field of Testing: 115 - Extraction Test of Hazardous Waste			
115.021	001	TCLP Inorganics	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
Field of Testing: 121 - Bulk Asbestos Analysis of Hazardous Waste			
121.010	001	Bulk Asbestos	EPA 600/M4-82-020

NELAP - RECOGNIZED

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF NELAP ACCREDITATION

Is hereby granted to

Testamerica Irvine

Irvine

17461 Derian Avenue, Suite 100

Irvine, CA 92614

Scope of the Certificate is limited to the
"NELAP Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on successful
ongoing participation in the program.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **01108CA**

Expiration Date: **1/31/2012**

Effective Date: **2/1/2011**

Richmond, California
subject to forfeiture or revocation

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

State of California—Health and Human Services Agency
California Department of Public Health

MARK B HORTON, MD, MSPH
Director

EDMUND G. BROWN JR.
Governor

January 24, 2011

Fred Haley
Testamerica Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614

Dear Fred Haley: Certificate No. 01108CA

This is to advise you that the laboratory named above has been accredited under National Environmental Laboratory Accreditation Program (NELAP) as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.

The Fields of Accreditation for which this laboratory has been accredited are enclosed. Accreditation shall remain in effect until **January 31, 2012** unless revoked by ELAP or withdrawn at your written request. To maintain accreditation, the laboratory shall comply with the National Environmental Laboratory Accreditation Conference (NELAC) Standards and all associated California Environmental Laboratory Accreditation Program Branch (ELAP) regulations and statutes.

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Please note that your laboratory is required to notify California ELAP of any major changes in key accreditation criteria within 30 calendar days of the change. This written notification includes, but is not limited to, changes in ownership, location, key personnel, and major instrumentation (HSC 100845(b) and (d), and NELAC Standard Section 4.3.2). The certificate must be returned to California ELAP upon loss of accredited status.

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories accredited by the State of California.

If you have any questions, please contact Bill Walker at (213) 580-5731.

Sincerely,

George C. Kulasingam

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Enclosure

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED

NELAP Fields of Accreditation

Testamerica Irvine
Irvine
17461 Derian Avenue, Suite 100
Irvine, CA 92614
Phone: (949) 261-1022

Certificate No.: 01108CA
Renew Date: 1/31/2012

101 - Microbiology of Drinking Water			
101.010	001	SM9215B	Heterotrophic Bacteria
101.011	001	SimPlate	Heterotrophic Bacteria
101.020	001	SM9221A,B	Total Coliform
101.021	001	SM9221E (MTF/EC)	Fecal Coliform
101.022	001	CFR 141.21(f)(6)(i) (MTF/EC+MUG)	E. coli
101.060	002	SM9223	Total Coliform
101.060	003	SM9223	E. coli
101.070	002	Colisure	Total Coliform
101.070	003	Colisure	E. coli
101.120	001	SM9221A,B,C	Total Coliform (Enumeration)
101.130	001	SM9221E (MTF/EC)	Fecal Coliform (Enumeration)
101.160	001	SM9223	Total Coliform (Enumeration)
101.200	001	SM9223B	E. coli (Enumeration)
101.210	001	SM9221B.1/SM9221F	E. coli (Enumeration)
102 - Inorganic Chemistry of Drinking Water			
102.020	001	EPA 180.1	Turbidity
102.022	001	SM2130B	Turbidity
102.030	001	EPA 300.0	Bromide
102.030	003	EPA 300.0	Chloride
102.030	005	EPA 300.0	Fluoride
102.030	006	EPA 300.0	Nitrate
102.030	007	EPA 300.0	Nitrite
102.030	010	EPA 300.0	Sulfate
102.040	001	EPA 300.1	Bromide
102.040	002	EPA 300.1	Chlorite
102.040	003	EPA 300.1	Chlorate
102.040	004	EPA 300.1	Bromate
102.045	001	EPA 314.0	Perchlorate
102.048	001	EPA 332.0	Perchlorate
102.100	001	SM2320B	Alkalinity
102.110	001	SM2330B	Corrosivity (Langlier Index)
102.120	001	SM2340B	Hardness
102.121	001	SM2340C	Hardness

As of 1/24/2011 , this list supersedes all previous lists for this certificate number.
Customers: Please verify the current accreditation standing with the State.

102.130	001	SM2510B	Conductivity
102.140	001	SM2540C	Total Dissolved Solids
102.145	001	EPA 160.1	Total Dissolved Solids
102.163	001	SM4500-Cl G	Chlorine, Free and Total
102.190	001	SM4500-CN E	Cyanide, Total
102.192	001	SM4500-CN G	Cyanide, amenable
102.200	001	SM4500-F C	Fluoride
102.210	001	SM4500-H+ B	pH
102.212	001	EPA 150.1	pH
102.263	002	SM5310C	TOC/DOC
102.270	001	SM5540C	Surfactants
102.520	001	EPA 200.7	Calcium
102.520	002	EPA 200.7	Magnesium
102.520	003	EPA 200.7	Potassium
102.520	004	EPA 200.7	Silica
102.520	005	EPA 200.7	Sodium
102.520	006	EPA 200.7	Hardness (calc.)

103 - Toxic Chemical Elements of Drinking Water

103.130	001	EPA 200.7	Aluminum
103.130	003	EPA 200.7	Barium
103.130	004	EPA 200.7	Beryllium
103.130	005	EPA 200.7	Cadmium
103.130	007	EPA 200.7	Chromium
103.130	008	EPA 200.7	Copper
103.130	009	EPA 200.7	Iron
103.130	011	EPA 200.7	Manganese
103.130	012	EPA 200.7	Nickel
103.130	015	EPA 200.7	Silver
103.130	017	EPA 200.7	Zinc
103.140	001	EPA 200.8	Aluminum
103.140	002	EPA 200.8	Antimony
103.140	003	EPA 200.8	Arsenic
103.140	004	EPA 200.8	Barium
103.140	005	EPA 200.8	Beryllium
103.140	006	EPA 200.8	Cadmium
103.140	007	EPA 200.8	Chromium
103.140	008	EPA 200.8	Copper
103.140	009	EPA 200.8	Lead
103.140	010	EPA 200.8	Manganese
103.140	012	EPA 200.8	Nickel
103.140	013	EPA 200.8	Selenium

103.140	014	EPA 200.8	Silver
103.140	015	EPA 200.8	Thallium
103.140	016	EPA 200.8	Zinc
103.160	001	EPA 245.1	Mercury

104 - Volatile Organic Chemistry of Drinking Water

104.030	001	EPA 504.1	1,2-Dibromoethane
104.030	002	EPA 504.1	1,2-Dibromo-3-chloropropane
104.040	000	EPA 524.2	Volatile Organic Compounds
104.040	001	EPA 524.2	Benzene
104.040	002	EPA 524.2	Bromobenzene
104.040	003	EPA 524.2	Bromochloromethane
104.040	006	EPA 524.2	Bromomethane
104.040	007	EPA 524.2	n-Butylbenzene
104.040	008	EPA 524.2	sec-Butylbenzene
104.040	009	EPA 524.2	tert-Butylbenzene
104.040	010	EPA 524.2	Carbon Tetrachloride
104.040	011	EPA 524.2	Chlorobenzene
104.040	012	EPA 524.2	Chloroethane
104.040	014	EPA 524.2	Chloromethane
104.040	015	EPA 524.2	2-Chlorotoluene
104.040	016	EPA 524.2	4-Chlorotoluene
104.040	018	EPA 524.2	Dibromomethane
104.040	019	EPA 524.2	1,3-Dichlorobenzene
104.040	020	EPA 524.2	1,2-Dichlorobenzene
104.040	021	EPA 524.2	1,4-Dichlorobenzene
104.040	022	EPA 524.2	Dichlorodifluoromethane
104.040	023	EPA 524.2	1,1-Dichloroethane
104.040	024	EPA 524.2	1,2-Dichloroethane
104.040	025	EPA 524.2	1,1-Dichloroethene
104.040	026	EPA 524.2	cis-1,2-Dichloroethene
104.040	027	EPA 524.2	trans-1,2-Dichloroethene
104.040	028	EPA 524.2	Dichloromethane
104.040	029	EPA 524.2	1,2-Dichloropropane
104.040	030	EPA 524.2	1,3-Dichloropropane
104.040	031	EPA 524.2	2,2-Dichloropropane
104.040	032	EPA 524.2	1,1-Dichloropropene
104.040	033	EPA 524.2	cis-1,3-Dichloropropene
104.040	034	EPA 524.2	trans-1,3-Dichloropropene
104.040	035	EPA 524.2	Ethylbenzene
104.040	036	EPA 524.2	Hexachlorobutadiene
104.040	037	EPA 524.2	Isopropylbenzene

104.040	038	EPA 524.2	4-Isopropyltoluene
104.040	039	EPA 524.2	Naphthalene
104.040	040	EPA 524.2	Nitrobenzene
104.040	041	EPA 524.2	N-propylbenzene
104.040	042	EPA 524.2	Styrene
104.040	043	EPA 524.2	1,1,1,2-Tetrachloroethane
104.040	044	EPA 524.2	1,1,2,2-Tetrachloroethane
104.040	045	EPA 524.2	Tetrachloroethene
104.040	046	EPA 524.2	Toluene
104.040	047	EPA 524.2	1,2,3-Trichlorobenzene
104.040	048	EPA 524.2	1,2,4-Trichlorobenzene
104.040	049	EPA 524.2	1,1,1-Trichloroethane
104.040	050	EPA 524.2	1,1,2-Trichloroethane
104.040	051	EPA 524.2	Trichloroethene
104.040	052	EPA 524.2	Trichlorofluoromethane
104.040	053	EPA 524.2	1,2,3-Trichloropropane
104.040	054	EPA 524.2	1,2,4-Trimethylbenzene
104.040	055	EPA 524.2	1,3,5-Trimethylbenzene
104.040	056	EPA 524.2	Vinyl Chloride
104.040	057	EPA 524.2	Xylenes, Total
104.040	058	EPA 524.2	Hexachloroethane
104.040	059	EPA 524.2	Federal regulated VOCs, excluding vinyl chloride
104.040	060	EPA 524.2	Federal unregulated VOCs
104.045	001	EPA 524.2	Bromodichloromethane
104.045	002	EPA 524.2	Bromoform
104.045	003	EPA 524.2	Chloroform
104.045	004	EPA 524.2	Dibromochloromethane
104.045	005	EPA 524.2	Trihalomethanes
104.050	002	EPA 524.2	Methyl tert-butyl Ether (MTBE)
104.050	004	EPA 524.2	tert-Amyl Methyl Ether (TAME)
104.050	005	EPA 524.2	Ethyl tert-butyl Ether (ETBE)
104.050	006	EPA 524.2	Trichlorotrifluoroethane
104.050	011	EPA 524.2	Oxygenates

105 - Semi-volatile Organic Chemistry of Drinking Water

105.050	001	EPA 508.1	Alachlor
105.050	005	EPA 508.1	Chlordane (total)
105.050	006	EPA 508.1	4,4'-DDD
105.050	007	EPA 508.1	4,4'-DDE
105.050	008	EPA 508.1	4,4'-DDT
105.050	009	EPA 508.1	Dieldrin
105.050	010	EPA 508.1	Endrin

105.050	011	EPA 508.1	Heptachlor
105.050	012	EPA 508.1	Heptachlor Epoxide
105.050	013	EPA 508.1	Hexachlorobenzene
105.050	014	EPA 508.1	Hexachlorocyclopentadiene
105.050	015	EPA 508.1	Lindane
105.050	016	EPA 508.1	Methoxychlor
105.050	017	EPA 508.1	Metolachlor
105.050	021	EPA 508.1	PCB-1016
105.050	022	EPA 508.1	PCB-1221
105.050	023	EPA 508.1	PCB-1232
105.050	024	EPA 508.1	PCB-1242
105.050	025	EPA 508.1	PCB-1248
105.050	026	EPA 508.1	PCB-1254
105.050	027	EPA 508.1	PCB-1260
105.050	028	EPA 508.1	PCBs as Aroclors
105.050	030	EPA 508.1	Chlorinated Pesticides
105.083	001	EPA 515.4	2,4-D
105.083	002	EPA 515.4	Dinoseb
105.083	003	EPA 515.4	Pentachlorophenol
105.083	004	EPA 515.4	Picloram
105.083	005	EPA 515.4	2,4,5-TP
105.083	006	EPA 515.4	Dalapon
105.083	007	EPA 515.4	Bentazon
105.083	008	EPA 515.4	Dicamba
105.083	009	EPA 515.4	Chlorinated Acids
105.090	001	EPA 525.2	Alachlor
105.090	002	EPA 525.2	Aldrin
105.090	003	EPA 525.2	Atrazine
105.090	004	EPA 525.2	Benzo(a)pyrene
105.090	005	EPA 525.2	Butachlor
105.090	007	EPA 525.2	Dieldrin
105.090	008	EPA 525.2	Di(2-ethylhexyl) Adipate
105.090	009	EPA 525.2	Di(2-ethylhexyl) Phthalate
105.090	013	EPA 525.2	Endrin
105.090	016	EPA 525.2	Hexachlorobenzene
105.090	017	EPA 525.2	Hexachlorocyclopentadiene
105.090	019	EPA 525.2	Methoxychlor
105.090	020	EPA 525.2	Metolachlor
105.090	021	EPA 525.2	Metribuzin
105.090	022	EPA 525.2	Molinate
105.090	024	EPA 525.2	Propachlor

105.090	025	EPA 525.2	Simazine
105.090	029	EPA 525.2	Polynuclear Aromatic Hydrocarbons
105.090	030	EPA 525.2	Adipates
105.090	031	EPA 525.2	Phthalates
105.090	032	EPA 525.2	Other Extractables
105.090	034	EPA 525.2	Pesticides
105.100	000	EPA 531.1	Carbamates
105.100	001	EPA 531.1	Aldicarb
105.100	002	EPA 531.1	Aldicarb Sulfone
105.100	003	EPA 531.1	Aldicarb Sulfoxide
105.100	004	EPA 531.1	Carbaryl
105.100	005	EPA 531.1	Carbofuran
105.100	006	EPA 531.1	3-Hydroxycarbofuran
105.100	007	EPA 531.1	Methomyl
105.100	008	EPA 531.1	Oxamyl
105.120	001	EPA 547	Glyphosate
105.140	001	EPA 548.1	Endothall
105.150	001	EPA 549.2	Diquat
105.200	001	EPA 552.2	Bromoacetic Acid
105.200	002	EPA 552.2	Bromochloroacetic Acid
105.200	003	EPA 552.2	Chloroacetic Acid
105.200	005	EPA 552.2	Dibromoacetic Acid
105.200	006	EPA 552.2	Dichloroacetic Acid
105.200	007	EPA 552.2	Trichloroacetic Acid
105.200	008	EPA 552.2	Haloacetic Acids (HAA5)
105.200	009	EPA 552.2	Haloacetic Acids

106 - Radiochemistry of Drinking Water

106.092	001	EPA 200.8	Uranium

107 - Microbiology of Wastewater

107.010	001	SM9215B	Heterotrophic Bacteria
107.020	001	SM9221B	Total Coliform
107.030	001	SM9221B	Total Coliform with Chlorine Present
107.040	001	SM9221C,E (MTF/EC)	Fecal Coliform
107.050	001	SM9221E	Fecal Coliform with Chlorine Present
107.100	001	SM9230B	Fecal Streptococci
107.100	002	SM9230B	Enterococci

108 - Inorganic Chemistry of Wastewater

108.020	001	EPA 120.1	Conductivity
108.090	001	EPA 160.4	Residue, Volatile
108.110	001	EPA 180.1	Turbidity
108.112	001	EPA 200.7	Boron

108.112	002	EPA 200.7	Calcium
108.112	003	EPA 200.7	Hardness (calc.)
108.112	004	EPA 200.7	Magnesium
108.112	005	EPA 200.7	Potassium
108.112	006	EPA 200.7	Silica
108.112	007	EPA 200.7	Sodium
108.120	001	EPA 300.0	Bromide
108.120	002	EPA 300.0	Chloride
108.120	003	EPA 300.0	Fluoride
108.120	004	EPA 300.0	Nitrate
108.120	005	EPA 300.0	Nitrite
108.120	006	EPA 300.0	Nitrate-nitrite
108.120	007	EPA 300.0	Phosphate, Ortho
108.120	008	EPA 300.0	Sulfate
108.121	005	EPA 300.1	Nitrite
108.265	001	EPA 365.3	Phosphorus, Total
108.323	001	EPA 410.4	Chemical Oxygen Demand
108.350	001	EPA 418.1	Total Recoverable Petroleum Hydrocarbons
108.360	001	EPA 420.1	Phenols, Total
108.381	001	EPA 1664A	Oil and Grease
108.385	001	SM2120B	Color
108.390	001	SM2130B	Turbidity
108.400	001	SM2310B	Acidity
108.410	001	SM2320B	Alkalinity
108.420	001	SM2340B	Hardness (calc.)
108.421	001	SM2340C	Hardness
108.430	001	SM2510B	Conductivity
108.440	001	SM2540B	Residue, Total
108.441	001	SM2540C	Residue, Filterable
108.442	001	SM2540D	Residue, Non-filterable
108.443	001	SM2540F	Residue, Settleable
108.465	001	SM4500-Cl G	Chlorine
108.470	001	SM4500-CN C	Cyanide, Manual Distillation
108.472	001	SM4500-CN E	Cyanide, Total
108.473	001	SM4500-CN G	Cyanide, amenable
108.490	001	SM4500-H+ B	pH
108.492	001	SM4500-NH3 C (19th/20th)	Ammonia
108.493	001	SM4500-NH3 D or E (19th/20th)	Ammonia
108.531	001	SM4500-O G	Dissolved Oxygen
108.580	001	SM4500-S= D	Sulfide
108.590	001	SM5210B	Biochemical Oxygen Demand

108.591	001	SM5210B	Carbonaceous BOD
108.602	001	SM5220D	Chemical Oxygen Demand
108.610	001	SM5310B	Total Organic Carbon
108.640	001	SM5540C	Surfactants

109 - Toxic Chemical Elements of Wastewater

109.010	001	EPA 200.7	Aluminum
109.010	002	EPA 200.7	Antimony
109.010	003	EPA 200.7	Arsenic
109.010	004	EPA 200.7	Barium
109.010	005	EPA 200.7	Beryllium
109.010	007	EPA 200.7	Cadmium
109.010	009	EPA 200.7	Chromium
109.010	010	EPA 200.7	Cobalt
109.010	011	EPA 200.7	Copper
109.010	012	EPA 200.7	Iron
109.010	013	EPA 200.7	Lead
109.010	015	EPA 200.7	Manganese
109.010	016	EPA 200.7	Molybdenum
109.010	017	EPA 200.7	Nickel
109.010	019	EPA 200.7	Selenium
109.010	021	EPA 200.7	Silver
109.010	023	EPA 200.7	Thallium
109.010	024	EPA 200.7	Tin
109.010	026	EPA 200.7	Vanadium
109.010	027	EPA 200.7	Zinc
109.020	001	EPA 200.8	Aluminum
109.020	002	EPA 200.8	Antimony
109.020	003	EPA 200.8	Arsenic
109.020	004	EPA 200.8	Barium
109.020	005	EPA 200.8	Beryllium
109.020	006	EPA 200.8	Cadmium
109.020	007	EPA 200.8	Chromium
109.020	008	EPA 200.8	Cobalt
109.020	009	EPA 200.8	Copper
109.020	010	EPA 200.8	Lead
109.020	011	EPA 200.8	Manganese
109.020	012	EPA 200.8	Molybdenum
109.020	013	EPA 200.8	Nickel
109.020	014	EPA 200.8	Selenium
109.020	015	EPA 200.8	Silver
109.020	016	EPA 200.8	Thallium

109.020	017	EPA 200.8	Vanadium
109.020	018	EPA 200.8	Zinc
109.104	001	EPA 218.6	Chromium (VI)
109.190	001	EPA 245.1	Mercury
109.811	001	SM3500-Cr D (18th/19th)	Chromium (VI)
109.824	001	SM3500-Fe B (20th)	Iron
109.825	001	SM3500-Fe D (18th/19th)	Iron

110 - Volatile Organic Chemistry of Wastewater

110.040	001	EPA 624	Benzene
110.040	002	EPA 624	Bromodichloromethane
110.040	003	EPA 624	Bromoform
110.040	004	EPA 624	Bromomethane
110.040	005	EPA 624	Carbon Tetrachloride
110.040	006	EPA 624	Chlorobenzene
110.040	007	EPA 624	Chloroethane
110.040	008	EPA 624	2-Chloroethyl Vinyl Ether
110.040	009	EPA 624	Chloroform
110.040	010	EPA 624	Chloromethane
110.040	011	EPA 624	Dibromochloromethane
110.040	012	EPA 624	1,2-Dichlorobenzene
110.040	013	EPA 624	1,3-Dichlorobenzene
110.040	014	EPA 624	1,4-Dichlorobenzene
110.040	015	EPA 624	1,1-Dichloroethane
110.040	016	EPA 624	1,2-Dichloroethane
110.040	017	EPA 624	1,1-Dichloroethene
110.040	018	EPA 624	trans-1,2-Dichloroethene
110.040	019	EPA 624	1,2-Dichloropropane
110.040	020	EPA 624	cis-1,3-Dichloropropene
110.040	021	EPA 624	trans-1,3-Dichloropropene
110.040	022	EPA 624	Ethylbenzene
110.040	023	EPA 624	Methylene Chloride
110.040	024	EPA 624	1,1,2,2-Tetrachloroethane
110.040	025	EPA 624	Tetrachloroethene
110.040	026	EPA 624	Toluene
110.040	027	EPA 624	1,1,1-Trichloroethane
110.040	028	EPA 624	1,1,2-Trichloroethane
110.040	029	EPA 624	Trichloroethene
110.040	030	EPA 624	Trichlorofluoromethane
110.040	031	EPA 624	Vinyl Chloride
110.040	040	EPA 624	Halogenated Hydrocarbons
110.040	041	EPA 624	Aromatic Compounds

110.040	042	EPA 624	Oxygenates
110.040	043	EPA 624	Other Volatile Organics

111 - Semi-volatile Organic Chemistry of Wastewater

111.100	001	EPA 625	Acenaphthene
111.100	002	EPA 625	Acenaphthylene
111.100	003	EPA 625	Anthracene
111.100	004	EPA 625	Benzidine
111.100	005	EPA 625	Benz(a)anthracene
111.100	006	EPA 625	Benzo(b)fluoranthene
111.100	007	EPA 625	Benzo(k)fluoranthene
111.100	008	EPA 625	Benzo(g,h,i)perylene
111.100	009	EPA 625	Benzo(a)pyrene
111.100	010	EPA 625	Benzyl Butyl Phthalate
111.100	011	EPA 625	bis(2-chloroethoxy)methane
111.100	012	EPA 625	bis(2-chloroethyl) Ether
111.100	013	EPA 625	Bis(2-chloroisopropyl) Ether
111.100	014	EPA 625	Di(2-ethylhexyl) Phthalate
111.100	015	EPA 625	4-Bromophenyl Phenyl Ether
111.100	016	EPA 625	4-Chloro-3-methylphenol
111.100	017	EPA 625	2-Chloronaphthalene
111.100	018	EPA 625	2-Chlorophenol
111.100	019	EPA 625	4-Chlorophenyl Phenyl Ether
111.100	020	EPA 625	Chrysene
111.100	021	EPA 625	Dibenz(a,h)anthracene
111.100	025	EPA 625	3,3'-Dichlorobenzidine
111.100	026	EPA 625	2,4-Dichlorophenol
111.100	027	EPA 625	Diethyl Phthalate
111.100	028	EPA 625	2,4-Dimethylphenol
111.100	029	EPA 625	Dimethyl Phthalate
111.100	030	EPA 625	Di-n-butyl phthalate
111.100	031	EPA 625	Di-n-octyl phthalate
111.100	032	EPA 625	2,4-Dinitrophenol
111.100	033	EPA 625	2,4-Dinitrotoluene
111.100	034	EPA 625	2,6-Dinitrotoluene
111.100	035	EPA 625	Fluoranthene
111.100	036	EPA 625	Fluorene
111.100	037	EPA 625	Hexachlorobenzene
111.100	038	EPA 625	Hexachlorobutadiene
111.100	039	EPA 625	Hexachlorocyclopentadiene
111.100	040	EPA 625	Hexachloroethane
111.100	041	EPA 625	Indeno(1,2,3-c,d)pyrene

111.100	042	EPA 625	Isophorone
111.100	043	EPA 625	2-Methyl-4,6-dinitrophenol
111.100	044	EPA 625	Naphthalene
111.100	045	EPA 625	Nitrobenzene
111.100	046	EPA 625	2-Nitrophenol
111.100	047	EPA 625	4-Nitrophenol
111.100	048	EPA 625	N-nitrosodimethylamine
111.100	049	EPA 625	N-nitroso-di-n-propylamine
111.100	050	EPA 625	N-nitrosodiphenylamine
111.100	051	EPA 625	Pentachlorophenol
111.100	052	EPA 625	Phenanthrene
111.100	053	EPA 625	Phenol
111.100	054	EPA 625	Pyrene
111.100	055	EPA 625	1,2,4-Trichlorobenzene
111.100	056	EPA 625	2,4,6-Trichlorophenol
111.101	032	EPA 625	Polynuclear Aromatic Hydrocarbons
111.101	036	EPA 625	Other Extractables
111.120	048	EPA 1625	N-nitrosodimethylamine
111.170	001	EPA 608	Aldrin
111.170	002	EPA 608	a-BHC
111.170	003	EPA 608	b-BHC
111.170	004	EPA 608	d-BHC
111.170	005	EPA 608	g-BHC (Lindane)
111.170	006	EPA 608	Chlordane
111.170	007	EPA 608	4,4'-DDD
111.170	008	EPA 608	4,4'-DDE
111.170	009	EPA 608	4,4'-DDT
111.170	010	EPA 608	Dieldrin
111.170	011	EPA 608	Endosulfan I
111.170	012	EPA 608	Endosulfan II
111.170	013	EPA 608	Endosulfan Sulfate
111.170	014	EPA 608	Endrin
111.170	015	EPA 608	Endrin Aldehyde
111.170	016	EPA 608	Heptachlor
111.170	017	EPA 608	Heptachlor Epoxide
111.170	018	EPA 608	Toxaphene
111.170	019	EPA 608	PCB-1016
111.170	020	EPA 608	PCB-1221
111.170	021	EPA 608	PCB-1232
111.170	022	EPA 608	PCB-1242
111.170	023	EPA 608	PCB-1248

111.170	024	EPA 608	PCB-1254
111.170	025	EPA 608	PCB-1260
111.170	030	EPA 608	Organochlorine Pesticides
111.170	031	EPA 608	PCBs
111.273	001	EPA 1664A	Oil and Grease

114 - Inorganic Chemistry of Hazardous Waste

114.010	001	EPA 6010B	Antimony
114.010	002	EPA 6010B	Arsenic
114.010	003	EPA 6010B	Barium
114.010	004	EPA 6010B	Beryllium
114.010	005	EPA 6010B	Cadmium
114.010	006	EPA 6010B	Chromium
114.010	007	EPA 6010B	Cobalt
114.010	008	EPA 6010B	Copper
114.010	009	EPA 6010B	Lead
114.010	010	EPA 6010B	Molybdenum
114.010	011	EPA 6010B	Nickel
114.010	012	EPA 6010B	Selenium
114.010	013	EPA 6010B	Silver
114.010	014	EPA 6010B	Thallium
114.010	015	EPA 6010B	Vanadium
114.010	016	EPA 6010B	Zinc
114.020	001	EPA 6020	Antimony
114.020	002	EPA 6020	Arsenic
114.020	003	EPA 6020	Barium
114.020	004	EPA 6020	Beryllium
114.020	005	EPA 6020	Cadmium
114.020	006	EPA 6020	Chromium
114.020	007	EPA 6020	Cobalt
114.020	008	EPA 6020	Copper
114.020	009	EPA 6020	Lead
114.020	010	EPA 6020	Molybdenum
114.020	011	EPA 6020	Nickel
114.020	012	EPA 6020	Selenium
114.020	013	EPA 6020	Silver
114.020	014	EPA 6020	Thallium
114.020	015	EPA 6020	Vanadium
114.020	016	EPA 6020	Zinc
114.103	001	EPA 7196A	Chromium (VI)
114.106	001	EPA 7199	Chromium (VI)
114.140	001	EPA 7470A	Mercury

114.141	001	EPA 7471A	Mercury
114.222	001	EPA 9014	Cyanide
114.230	001	EPA 9034	Sulfides, Total
114.240	001	EPA 9040B	Corrosivity - pH Determination
114.241	001	EPA 9045C	Corrosivity - pH Determination
114.250	001	EPA 9056	Fluoride
114.270	001	EPA 9214	Fluoride

115 - Extraction Test of Hazardous Waste

115.020	001	EPA 1311	Toxicity Characteristic Leaching Procedure (TCLP)
115.021	001	EPA 1311	TCLP Inorganics
115.022	001	EPA 1311	TCLP Extractables
115.023	001	EPA 1311	TCLP Volatiles
115.030	001	CCR Chapter11, Article 5, Appendix II	Waste Extraction Test (WET)
115.040	001	EPA 1312	Synthetic Precipitation Leaching Procedure (SPLP)

116 - Volatile Organic Chemistry of Hazardous Waste

116.020	009	EPA 8015B	Ethanol
116.020	015	EPA 8015B	Methanol
116.080	000	EPA 8260B	Volatile Organic Compounds
116.080	001	EPA 8260B	Acetone
116.080	002	EPA 8260B	Acetonitrile
116.080	003	EPA 8260B	Acrolein
116.080	004	EPA 8260B	Acrylonitrile
116.080	005	EPA 8260B	Allyl Alcohol
116.080	006	EPA 8260B	Allyl Chloride
116.080	007	EPA 8260B	Benzene
116.080	008	EPA 8260B	Benzyl Chloride
116.080	009	EPA 8260B	Bromoacetone
116.080	010	EPA 8260B	Bromochloromethane
116.080	011	EPA 8260B	Bromodichloromethane
116.080	012	EPA 8260B	Bromoform
116.080	013	EPA 8260B	Bromomethane
116.080	014	EPA 8260B	n-Butyl Alcohol
116.080	015	EPA 8260B	Carbon Disulfide
116.080	016	EPA 8260B	Carbon Tetrachloride
116.080	017	EPA 8260B	Chloral Hydrate
116.080	018	EPA 8260B	Chlorobenzene
116.080	019	EPA 8260B	Chloroethane
116.080	020	EPA 8260B	2-Chloroethyl Vinyl Ether
116.080	021	EPA 8260B	Chloroform
116.080	022	EPA 8260B	Chloromethane
116.080	026	EPA 8260B	Dibromochloromethane

116.080	027	EPA 8260B	Dibromochloropropane
116.080	028	EPA 8260B	1,2-Dibromoethane
116.080	029	EPA 8260B	Dibromofluoromethane
116.080	030	EPA 8260B	Dibromomethane
116.080	031	EPA 8260B	1,2-Dichlorobenzene
116.080	032	EPA 8260B	1,3-Dichlorobenzene
116.080	033	EPA 8260B	1,4-Dichlorobenzene
116.080	034	EPA 8260B	cis-1,4-Dichloro-2-butene
116.080	035	EPA 8260B	trans-1,4-Dichloro-2-butene
116.080	036	EPA 8260B	Dichlorodifluoromethane
116.080	037	EPA 8260B	1,1-Dichloroethane
116.080	038	EPA 8260B	1,2-Dichloroethane
116.080	039	EPA 8260B	1,1-Dichloroethene
116.080	040	EPA 8260B	trans-1,2-Dichloroethene
116.080	041	EPA 8260B	cis-1,2-Dichloroethene
116.080	042	EPA 8260B	1,2-Dichloropropane
116.080	043	EPA 8260B	1,3-Dichloropropane
116.080	044	EPA 8260B	2,2-Dichloropropane
116.080	045	EPA 8260B	1,1-Dichloropropene
116.080	046	EPA 8260B	cis-1,3-Dichloropropene
116.080	047	EPA 8260B	trans-1,3-Dichloropropene
116.080	050	EPA 8260B	1,4-Dioxane
116.080	053	EPA 8260B	Ethylbenzene
116.080	055	EPA 8260B	Ethyl Methacrylate
116.080	056	EPA 8260B	Hexachlorobutadiene
116.080	057	EPA 8260B	Hexachloroethane
116.080	058	EPA 8260B	2-Hexanone (MBK)
116.080	059	EPA 8260B	Iodomethane
116.080	060	EPA 8260B	Isobutyl Alcohol
116.080	062	EPA 8260B	Methacrylonitrile
116.080	064	EPA 8260B	Methyl tert-butyl Ether (MTBE)
116.080	065	EPA 8260B	Methylene Chloride
116.080	066	EPA 8260B	Methyl Ethyl Ketone
116.080	067	EPA 8260B	Methyl Methacrylate
116.080	068	EPA 8260B	4-Methyl-2-pentanone (MIBK)
116.080	069	EPA 8260B	Naphthalene
116.080	070	EPA 8260B	Nitrobenzene
116.080	071	EPA 8260B	2-Nitropropane
116.080	078	EPA 8260B	Propionitrile
116.080	079	EPA 8260B	N-propylamine
116.080	080	EPA 8260B	Pyridine

116.080	081	EPA 8260B	1,1,1,2-Tetrachloroethane
116.080	082	EPA 8260B	1,1,2,2-Tetrachloroethane
116.080	083	EPA 8260B	Tetrachloroethene
116.080	084	EPA 8260B	Toluene
116.080	086	EPA 8260B	1,2,3-Trichlorobenzene
116.080	087	EPA 8260B	1,2,4-Trichlorobenzene
116.080	088	EPA 8260B	1,1,1-Trichloroethane
116.080	089	EPA 8260B	1,1,2-Trichloroethane
116.080	090	EPA 8260B	Trichloroethene
116.080	091	EPA 8260B	Trichlorofluoromethane
116.080	092	EPA 8260B	1,2,3-Trichloropropane
116.080	093	EPA 8260B	Vinyl Acetate
116.080	094	EPA 8260B	Vinyl Chloride
116.080	095	EPA 8260B	Xylenes, Total
116.080	096	EPA 8260B	tert-Amyl Methyl Ether (TAME)
116.080	097	EPA 8260B	tert-Butyl Alcohol (TBA)
116.080	098	EPA 8260B	Ethyl tert-butyl Ether (ETBE)
116.080	099	EPA 8260B	Bromobenzene
116.080	100	EPA 8260B	n-Butylbenzene
116.080	101	EPA 8260B	sec-Butylbenzene
116.080	102	EPA 8260B	tert-Butylbenzene
116.080	103	EPA 8260B	2-Chlorotoluene
116.080	104	EPA 8260B	4-Chlorotoluene
116.080	105	EPA 8260B	Isopropylbenzene
116.080	106	EPA 8260B	N-propylbenzene
116.080	107	EPA 8260B	Styrene
116.080	108	EPA 8260B	1,2,4-Trimethylbenzene
116.080	109	EPA 8260B	1,3,5-Trimethylbenzene
116.080	120	EPA 8260B	Oxygenates
116.100	001	LUFT GC/MS	Total Petroleum Hydrocarbons - Gasoline
116.110	001	LUFT	Total Petroleum Hydrocarbons - Gasoline

117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	EPA 8015B	Diesel-range Total Petroleum Hydrocarbons
117.017	001	EPA 418.1	TRPH Screening
117.110	000	EPA 8270C	Extractable Organics
117.110	001	EPA 8270C	Acenaphthene
117.110	002	EPA 8270C	Acenaphthylene
117.110	003	EPA 8270C	Acetophenone
117.110	003	EPA 8270C	Acetophenone
117.110	004	EPA 8270C	2-Acetylaminofluorene
117.110	005	EPA 8270C	1-Acetyl-2-thiourea

117.110	006	EPA 8270C	4-Aminobiphenyl
117.110	007	EPA 8270C	Aniline
117.110	008	EPA 8270C	Anthracene
117.110	009	EPA 8270C	Aramite
117.110	010	EPA 8270C	Benzidine
117.110	011	EPA 8270C	Benz(a)anthracene
117.110	012	EPA 8270C	Benzo(b)fluoranthene
117.110	013	EPA 8270C	Benzo(k)fluoranthene
117.110	014	EPA 8270C	Benzo(g,h,i)perylene
117.110	015	EPA 8270C	Benzo(a)pyrene
117.110	016	EPA 8270C	Benzoic Acid
117.110	018	EPA 8270C	Benzyl Alcohol
117.110	019	EPA 8270C	Benzyl Butyl Phthalate
117.110	020	EPA 8270C	bis(2-chloroethoxy)methane
117.110	021	EPA 8270C	bis(2-chloroethyl) Ether
117.110	022	EPA 8270C	Bis(2-chloroisopropyl) Ether
117.110	023	EPA 8270C	Di(2-ethylhexyl) Phthalate
117.110	024	EPA 8270C	4-Bromophenyl Phenyl Ether
117.110	025	EPA 8270C	Carbazole
117.110	026	EPA 8270C	4-Chloroaniline
117.110	027	EPA 8270C	4-Chloro-3-methylphenol
117.110	028	EPA 8270C	1-Chloronaphthalene
117.110	029	EPA 8270C	2-Chloronaphthalene
117.110	030	EPA 8270C	2-Chlorophenol
117.110	031	EPA 8270C	4-Chlorophenyl Phenyl Ether
117.110	032	EPA 8270C	Chrysene
117.110	036	EPA 8270C	Dibenz(a,h)anthracene
117.110	037	EPA 8270C	Dibenzofuran
117.110	039	EPA 8270C	1,2-Dichlorobenzene
117.110	040	EPA 8270C	1,3-Dichlorobenzene
117.110	041	EPA 8270C	1,4-Dichlorobenzene
117.110	042	EPA 8270C	3,3'-Dichlorobenzidine
117.110	043	EPA 8270C	2,4-Dichlorophenol
117.110	044	EPA 8270C	2,6-Dichlorophenol
117.110	045	EPA 8270C	Diethyl Phthalate
117.110	052	EPA 8270C	a,a-Dimethylphenethylamine
117.110	053	EPA 8270C	2,4-Dimethylphenol
117.110	054	EPA 8270C	Dimethyl Phthalate
117.110	055	EPA 8270C	Di-n-butyl phthalate
117.110	056	EPA 8270C	Di-n-octyl phthalate
117.110	057	EPA 8270C	1,2-Dinitrobenzene

117.110	058	EPA 8270C	1,3-Dinitrobenzene
117.110	059	EPA 8270C	1,4-Dinitrobenzene
117.110	060	EPA 8270C	2,4-Dinitrophenol
117.110	061	EPA 8270C	2,4-Dinitrotoluene
117.110	062	EPA 8270C	2,6-Dinitrotoluene
117.110	064	EPA 8270C	1,2-Diphenylhydrazine
117.110	067	EPA 8270C	Fluoranthene
117.110	068	EPA 8270C	Fluorene
117.110	069	EPA 8270C	Hexachlorobenzene
117.110	070	EPA 8270C	Hexachlorobutadiene
117.110	071	EPA 8270C	Hexachlorocyclopentadiene
117.110	072	EPA 8270C	Hexachloroethane
117.110	075	EPA 8270C	Indeno(1,2,3-c,d)pyrene
117.110	076	EPA 8270C	Isophorone
117.110	080	EPA 8270C	2-Methyl-4,6-dinitrophenol
117.110	083	EPA 8270C	2-Methylnaphthalene
117.110	084	EPA 8270C	2-Methylphenol
117.110	085	EPA 8270C	3-Methylphenol
117.110	086	EPA 8270C	4-Methylphenol
117.110	087	EPA 8270C	Naphthalene
117.110	089	EPA 8270C	1-Naphthylamine
117.110	090	EPA 8270C	2-Naphthylamine
117.110	092	EPA 8270C	2-Nitroaniline
117.110	093	EPA 8270C	3-Nitroaniline
117.110	094	EPA 8270C	4-Nitroaniline
117.110	095	EPA 8270C	Nitrobenzene
117.110	096	EPA 8270C	2-Nitrophenol
117.110	097	EPA 8270C	4-Nitrophenol
117.110	100	EPA 8270C	N-nitrosodimethylamine
117.110	101	EPA 8270C	N-nitroso-di-n-propylamine
117.110	102	EPA 8270C	N-nitrosodiphenylamine
117.110	108	EPA 8270C	Pentachlorobenzene
117.110	110	EPA 8270C	Pentachlorophenol
117.110	112	EPA 8270C	Phenanthrene
117.110	113	EPA 8270C	Phenol
117.110	119	EPA 8270C	Pyrene
117.110	120	EPA 8270C	Pyridine
117.110	124	EPA 8270C	1,2,4,5-Tetrachlorobenzene
117.110	129	EPA 8270C	1,2,4-Trichlorobenzene
117.110	130	EPA 8270C	2,4,5-Trichlorophenol
117.110	131	EPA 8270C	2,4,6-Trichlorophenol

117.111	073	EPA 8270C	Polynuclear Aromatic Hydrocarbons
117.111	074	EPA 8270C	Adipates
117.111	075	EPA 8270C	Phthalates
117.111	076	EPA 8270C	Other Extractables
117.116	001	LUFT	Diesel-range Total Petroleum Hydrocarbons
117.210	000	EPA 8081A	Organochlorine Pesticides
117.210	001	EPA 8081A	Aldrin
117.210	002	EPA 8081A	a-BHC
117.210	003	EPA 8081A	b-BHC
117.210	004	EPA 8081A	d-BHC
117.210	005	EPA 8081A	g-BHC (Lindane)
117.210	007	EPA 8081A	a-Chlordane
117.210	008	EPA 8081A	g-Chlordane
117.210	009	EPA 8081A	Chlordane (tech.)
117.210	013	EPA 8081A	4,4'-DDD
117.210	014	EPA 8081A	4,4'-DDE
117.210	015	EPA 8081A	4,4'-DDT
117.210	020	EPA 8081A	Dieldrin
117.210	021	EPA 8081A	Endosulfan I
117.210	022	EPA 8081A	Endosulfan II
117.210	023	EPA 8081A	Endosulfan Sulfate
117.210	024	EPA 8081A	Endrin
117.210	025	EPA 8081A	Endrin Aldehyde
117.210	026	EPA 8081A	Endrin Ketone
117.210	027	EPA 8081A	Heptachlor
117.210	028	EPA 8081A	Heptachlor Epoxide
117.210	033	EPA 8081A	Methoxychlor
117.210	039	EPA 8081A	Toxaphene
117.210	040	EPA 8081A	Trifluralin
117.220	000	EPA 8082	PCBs
117.220	001	EPA 8082	PCB-1016
117.220	002	EPA 8082	PCB-1221
117.220	003	EPA 8082	PCB-1232
117.220	004	EPA 8082	PCB-1242
117.220	005	EPA 8082	PCB-1248
117.220	006	EPA 8082	PCB-1254
117.220	007	EPA 8082	PCB-1260

120 - Physical Properties of Hazardous Waste

120.010	001	EPA 1010	Ignitability
120.070	001	EPA 9040B	Corrosivity - pH Determination
120.080	001	EPA 9045C	Corrosivity - pH Determination

NELAP - RECOGNIZED

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF NELAP ACCREDITATION

Is hereby granted to

Testamerica West Sacramento

880 Riverside Parkway

West Sacramento, CA 95605

Scope of the Certificate is limited to the
"NELAP Fields of Accreditation"
which accompany this Certificate.

Continued accredited status depends on successful
ongoing participation in the program.

This Certificate is granted in accordance with provisions of
Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **01119CA**

Expiration Date: **1/31/2012**

Effective Date: **2/1/2011**

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

State of California—Health and Human Services Agency
California Department of Public Health

MARK B HORTON, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

December 21, 2010

KARLA S. BUECHLER
TESTAMERICA WEST SACRAMENTO
880 RIVERSIDE PARKWAY
WEST SACRAMENTO, CA 95605

Dear KARLA S. BUECHLER: Certificate No. 01119CA

This is to advise you that the laboratory named above has been accredited under National Environmental Laboratory Accreditation Program (NELAP) as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq.

The Fields of Accreditation for which this laboratory has been accredited are enclosed. Accreditation shall remain in effect until **January 31, 2012** unless revoked by ELAP or withdrawn at your written request. To maintain accreditation, the laboratory shall comply with the National Environmental Laboratory Accreditation Conference (NELAC) Standards and all associated California Environmental Laboratory Accreditation Program Branch (ELAP) regulations and statutes.

The application for renewal of this certificate must be received before the expiration date of this certificate to remain in force according to the HSC 100845(a).

Please note that your laboratory is required to notify California ELAP of any major changes in key accreditation criteria within 30 calendar days of the change. This written notification includes, but is not limited to, changes in ownership, location, key personnel, and major instrumentation (HSC 100845(b) and (d), and NELAC Standard Section 4.3.2). The certificate must be returned to California ELAP upon loss of accredited status.

Your continued cooperation with the above requirements is essential for maintaining the high quality of the data produced by environmental laboratories accredited by the State of California.

If you have any questions, please contact Jane Jensen at (510) 620-3155.

Sincerely,

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Enclosure

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM - NELAP RECOGNIZED

NELAP Fields of Accreditation

Testamerica West Sacramento

880 Riverside Parkway
West Sacramento, CA 95605
Phone: (916) 373-5600

Certificate No.: 01119CA
Renew Date: 1/31/2012

102 - Inorganic Chemistry of Drinking Water			
102.045	001	EPA 314.0	Perchlorate
102.047	001	EPA 331.0	Perchlorate
102.510	006	SM3120B	Hardness (calc.)
102.520	001	EPA 200.7	Calcium
102.520	002	EPA 200.7	Magnesium
102.520	003	EPA 200.7	Potassium
102.520	004	EPA 200.7	Silica
102.520	005	EPA 200.7	Sodium
102.520	006	EPA 200.7	Hardness (calc.)
103 - Toxic Chemical Elements of Drinking Water			
103.130	001	EPA 200.7	Aluminum
103.130	003	EPA 200.7	Barium
103.130	004	EPA 200.7	Beryllium
103.130	005	EPA 200.7	Cadmium
103.130	007	EPA 200.7	Chromium
103.130	008	EPA 200.7	Copper
103.130	009	EPA 200.7	Iron
103.130	011	EPA 200.7	Manganese
103.130	012	EPA 200.7	Nickel
103.130	015	EPA 200.7	Silver
103.130	017	EPA 200.7	Zinc
103.140	001	EPA 200.8	Aluminum
103.140	002	EPA 200.8	Antimony
103.140	003	EPA 200.8	Arsenic
103.140	004	EPA 200.8	Barium
103.140	005	EPA 200.8	Beryllium
103.140	006	EPA 200.8	Cadmium
103.140	007	EPA 200.8	Chromium
103.140	008	EPA 200.8	Copper
103.140	009	EPA 200.8	Lead
103.140	010	EPA 200.8	Manganese
103.140	012	EPA 200.8	Nickel
103.140	013	EPA 200.8	Selenium

103.140	014	EPA 200.8	Silver
103.140	015	EPA 200.8	Thallium
103.140	016	EPA 200.8	Zinc
103.160	001	EPA 245.1	Mercury

105 - Semi-volatile Organic Chemistry of Drinking Water

105.230	000	EPA 1613	Dioxins
105.230	001	EPA 1613	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)

108 - Inorganic Chemistry of Wastewater

108.020	001	EPA 120.1	Conductivity
108.112	001	EPA 200.7	Boron
108.112	002	EPA 200.7	Calcium
108.112	003	EPA 200.7	Hardness (calc.)
108.112	004	EPA 200.7	Magnesium
108.112	005	EPA 200.7	Potassium
108.112	006	EPA 200.7	Silica
108.112	007	EPA 200.7	Sodium
108.120	001	EPA 300.0	Bromide
108.120	002	EPA 300.0	Chloride
108.120	003	EPA 300.0	Fluoride
108.120	004	EPA 300.0	Nitrate
108.120	005	EPA 300.0	Nitrite
108.120	006	EPA 300.0	Nitrate-nitrite
108.120	008	EPA 300.0	Sulfate
108.141	001	EPA 310.2	Alkalinity
108.183	001	EPA 335.4	Cyanide, Total
108.200	001	EPA 350.1	Ammonia
108.211	001	EPA 351.2	Kjeldahl Nitrogen
108.232	001	EPA 353.2	Nitrate-nitrite
108.232	002	EPA 353.2	Nitrite
108.266	001	EPA 365.4	Phosphorus, Total
108.323	001	EPA 410.4	Chemical Oxygen Demand
108.381	001	EPA 1664A	Oil and Grease
108.410	001	SM2320B	Alkalinity
108.420	001	SM2340B	Hardness (calc.)
108.430	001	SM2510B	Conductivity
108.440	001	SM2540B	Residue, Total
108.441	001	SM2540C	Residue, Filterable
108.442	001	SM2540D	Residue, Non-filterable
108.472	001	SM4500-CN E	Cyanide, Total
108.473	001	SM4500-CN G	Cyanide, amenable
108.490	001	SM4500-H+ B	pH

108.580	001	SM4500-S= D	Sulfide
109 - Toxic Chemical Elements of Wastewater			
109.010	001	EPA 200.7	Aluminum
109.010	002	EPA 200.7	Antimony
109.010	003	EPA 200.7	Arsenic
109.010	004	EPA 200.7	Barium
109.010	005	EPA 200.7	Beryllium
109.010	007	EPA 200.7	Cadmium
109.010	009	EPA 200.7	Chromium
109.010	010	EPA 200.7	Cobalt
109.010	011	EPA 200.7	Copper
109.010	012	EPA 200.7	Iron
109.010	013	EPA 200.7	Lead
109.010	015	EPA 200.7	Manganese
109.010	016	EPA 200.7	Molybdenum
109.010	017	EPA 200.7	Nickel
109.010	019	EPA 200.7	Selenium
109.010	021	EPA 200.7	Silver
109.010	023	EPA 200.7	Thallium
109.010	024	EPA 200.7	Tin
109.010	025	EPA 200.7	Titanium
109.010	026	EPA 200.7	Vanadium
109.010	027	EPA 200.7	Zinc
109.020	001	EPA 200.8	Aluminum
109.020	002	EPA 200.8	Antimony
109.020	003	EPA 200.8	Arsenic
109.020	004	EPA 200.8	Barium
109.020	005	EPA 200.8	Beryllium
109.020	006	EPA 200.8	Cadmium
109.020	007	EPA 200.8	Chromium
109.020	008	EPA 200.8	Cobalt
109.020	009	EPA 200.8	Copper
109.020	010	EPA 200.8	Lead
109.020	011	EPA 200.8	Manganese
109.020	012	EPA 200.8	Molybdenum
109.020	013	EPA 200.8	Nickel
109.020	014	EPA 200.8	Selenium
109.020	015	EPA 200.8	Silver
109.020	016	EPA 200.8	Thallium
109.020	017	EPA 200.8	Vanadium
109.020	018	EPA 200.8	Zinc

109.020	021	EPA 200.8	Iron
109.020	022	EPA 200.8	Tin
109.020	023	EPA 200.8	Titanium
109.190	001	EPA 245.1	Mercury

111 - Semi-volatile Organic Chemistry of Wastewater

111.111	000	EPA 1613B	Dioxins
111.111	001	EPA 1613B	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
111.111	002	EPA 1613B	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
111.111	003	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	004	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	005	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
111.111	006	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
111.111	007	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
111.111	008	EPA 1613B	2,3,7,8-Tetrachlorodibenzofuran (TCDF)
111.111	009	EPA 1613B	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
111.111	010	EPA 1613B	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
111.111	011	EPA 1613B	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	012	EPA 1613B	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	013	EPA 1613B	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
111.111	014	EPA 1613B	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
111.111	015	EPA 1613B	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
111.111	016	EPA 1613B	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
111.111	017	EPA 1613B	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
111.111	018	EPA 1613B	Total TCDD
111.111	019	EPA 1613B	Total PeCDD
111.111	020	EPA 1613B	Total HxCDD
111.111	021	EPA 1613B	Total HpCDD
111.111	022	EPA 1613B	Total TCDF
111.111	023	EPA 1613B	Total PeCDF
111.111	024	EPA 1613B	Total HxCDF
111.111	025	EPA 1613B	Total HpCDF

114 - Inorganic Chemistry of Hazardous Waste

114.010	001	EPA 6010B	Antimony
114.010	002	EPA 6010B	Arsenic
114.010	003	EPA 6010B	Barium
114.010	004	EPA 6010B	Beryllium
114.010	005	EPA 6010B	Cadmium
114.010	006	EPA 6010B	Chromium
114.010	007	EPA 6010B	Cobalt
114.010	008	EPA 6010B	Copper
114.010	009	EPA 6010B	Lead

114.010	010	EPA 6010B	Molybdenum	
114.010	011	EPA 6010B	Nickel	
114.010	012	EPA 6010B	Selenium	
114.010	013	EPA 6010B	Silver	
114.010	014	EPA 6010B	Thallium	
114.010	015	EPA 6010B	Vanadium	
114.010	016	EPA 6010B	Zinc	
114.010	026	EPA 6010B	Silica	Aqueous Only
114.010	027	EPA 6010B	Sodium	
114.020	001	EPA 6020	Antimony	
114.020	002	EPA 6020	Arsenic	
114.020	003	EPA 6020	Barium	
114.020	004	EPA 6020	Beryllium	
114.020	005	EPA 6020	Cadmium	
114.020	006	EPA 6020	Chromium	
114.020	007	EPA 6020	Cobalt	
114.020	008	EPA 6020	Copper	
114.020	009	EPA 6020	Lead	
114.020	010	EPA 6020	Molybdenum	
114.020	011	EPA 6020	Nickel	
114.020	012	EPA 6020	Selenium	
114.020	013	EPA 6020	Silver	
114.020	014	EPA 6020	Thallium	
114.020	015	EPA 6020	Vanadium	
114.020	016	EPA 6020	Zinc	
114.103	001	EPA 7196A	Chromium (VI)	
114.140	001	EPA 7470A	Mercury	
114.141	001	EPA 7471A	Mercury	
114.221	001	EPA 9012A	Cyanide, Total	
114.240	001	EPA 9040B	Corrosivity - pH Determination	
114.241	001	EPA 9045C	Corrosivity - pH Determination	
114.250	001	EPA 9056	Fluoride	

115 - Extraction Test of Hazardous Waste

115.021	001	EPA 1311	TCLP Inorganics	
115.022	001	EPA 1311	TCLP Extractables	
115.030	001	CCR Chapter11, Article 5, Appendix II	Waste Extraction Test (WET)	

116 - Volatile Organic Chemistry of Hazardous Waste

116.080	000	EPA 8260B	Volatile Organic Compounds	
116.080	001	EPA 8260B	Acetone	
116.080	003	EPA 8260B	Acrolein	
116.080	004	EPA 8260B	Acrylonitrile	

116.080	005	EPA 8260B	Allyl Alcohol
116.080	006	EPA 8260B	Allyl Chloride
116.080	007	EPA 8260B	Benzene
116.080	010	EPA 8260B	Bromochloromethane
116.080	011	EPA 8260B	Bromodichloromethane
116.080	012	EPA 8260B	Bromoform
116.080	013	EPA 8260B	Bromomethane
116.080	015	EPA 8260B	Carbon Disulfide
116.080	016	EPA 8260B	Carbon Tetrachloride
116.080	018	EPA 8260B	Chlorobenzene
116.080	019	EPA 8260B	Chloroethane
116.080	020	EPA 8260B	2-Chloroethyl Vinyl Ether
116.080	021	EPA 8260B	Chloroform
116.080	022	EPA 8260B	Chloromethane
116.080	023	EPA 8260B	Chloroprene
116.080	026	EPA 8260B	Dibromochloromethane
116.080	027	EPA 8260B	Dibromochloropropane
116.080	028	EPA 8260B	1,2-Dibromoethane
116.080	029	EPA 8260B	Dibromofluoromethane
116.080	030	EPA 8260B	Dibromomethane
116.080	031	EPA 8260B	1,2-Dichlorobenzene
116.080	032	EPA 8260B	1,3-Dichlorobenzene
116.080	033	EPA 8260B	1,4-Dichlorobenzene
116.080	035	EPA 8260B	trans-1,4-Dichloro-2-butene
116.080	036	EPA 8260B	Dichlorodifluoromethane
116.080	037	EPA 8260B	1,1-Dichloroethane
116.080	038	EPA 8260B	1,2-Dichloroethane
116.080	039	EPA 8260B	1,1-Dichloroethene
116.080	040	EPA 8260B	trans-1,2-Dichloroethene
116.080	041	EPA 8260B	cis-1,2-Dichloroethene
116.080	042	EPA 8260B	1,2-Dichloropropane
116.080	043	EPA 8260B	1,3-Dichloropropane
116.080	044	EPA 8260B	2,2-Dichloropropane
116.080	045	EPA 8260B	1,1-Dichloropropene
116.080	046	EPA 8260B	cis-1,3-Dichloropropene
116.080	047	EPA 8260B	trans-1,3-Dichloropropene
116.080	050	EPA 8260B	1,4-Dioxane
116.080	053	EPA 8260B	Ethylbenzene
116.080	055	EPA 8260B	Ethyl Methacrylate
116.080	056	EPA 8260B	Hexachlorobutadiene
116.080	058	EPA 8260B	2-Hexanone (MBK)

116.080	059	EPA 8260B	Iodomethane
116.080	060	EPA 8260B	Isobutyl Alcohol
116.080	062	EPA 8260B	Methacrylonitrile
116.080	064	EPA 8260B	Methyl tert-butyl Ether (MTBE)
116.080	065	EPA 8260B	Methylene Chloride
116.080	066	EPA 8260B	Methyl Ethyl Ketone
116.080	067	EPA 8260B	Methyl Methacrylate
116.080	068	EPA 8260B	4-Methyl-2-pentanone (MIBK)
116.080	069	EPA 8260B	Naphthalene
116.080	078	EPA 8260B	Propionitrile
116.080	081	EPA 8260B	1,1,1,2-Tetrachloroethane
116.080	082	EPA 8260B	1,1,2,2-Tetrachloroethane
116.080	083	EPA 8260B	Tetrachloroethene
116.080	084	EPA 8260B	Toluene
116.080	086	EPA 8260B	1,2,3-Trichlorobenzene
116.080	087	EPA 8260B	1,2,4-Trichlorobenzene
116.080	088	EPA 8260B	1,1,1-Trichloroethane
116.080	089	EPA 8260B	1,1,2-Trichloroethane
116.080	090	EPA 8260B	Trichloroethene
116.080	091	EPA 8260B	Trichlorofluoromethane
116.080	092	EPA 8260B	1,2,3-Trichloropropane
116.080	093	EPA 8260B	Vinyl Acetate
116.080	094	EPA 8260B	Vinyl Chloride
116.080	095	EPA 8260B	Xylenes, Total
116.080	096	EPA 8260B	tert-Amyl Methyl Ether (TAME)
116.080	097	EPA 8260B	tert-Butyl Alcohol (TBA)
116.080	098	EPA 8260B	Ethyl tert-butyl Ether (ETBE)
116.080	099	EPA 8260B	Bromobenzene
116.080	100	EPA 8260B	n-Butylbenzene
116.080	101	EPA 8260B	sec-Butylbenzene
116.080	102	EPA 8260B	tert-Butylbenzene
116.080	103	EPA 8260B	2-Chlorotoluene
116.080	104	EPA 8260B	4-Chlorotoluene
116.080	105	EPA 8260B	Isopropylbenzene
116.080	106	EPA 8260B	N-propylbenzene
116.080	107	EPA 8260B	Styrene
116.080	108	EPA 8260B	1,2,4-Trimethylbenzene
116.080	109	EPA 8260B	1,3,5-Trimethylbenzene
116.080	120	EPA 8260B	Oxygenates
116.100	001	LUFT GC/MS	Total Petroleum Hydrocarbons - Gasoline
116.100	002	LUFT GC/MS	Benzene

116.100	003	LUFT GC/MS	Toluene
116.100	004	LUFT GC/MS	Xylenes
116.100	005	LUFT GC/MS	Methyl tert-butyl Ether (MTBE)
116.100	010	LUFT GC/MS	BTEX and MTBE

117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	EPA 8015B	Diesel-range Total Petroleum Hydrocarbons
117.016	001	LUFT	Diesel-range Total Petroleum Hydrocarbons
117.110	000	EPA 8270C	Extractable Organics
117.110	001	EPA 8270C	Acenaphthene
117.110	002	EPA 8270C	Acenaphthylene
117.110	003	EPA 8270C	Acetophenone
117.110	004	EPA 8270C	2-Acetylaminofluorene
117.110	006	EPA 8270C	4-Aminobiphenyl
117.110	007	EPA 8270C	Aniline
117.110	008	EPA 8270C	Anthracene
117.110	009	EPA 8270C	Aramite
117.110	010	EPA 8270C	Benzidine
117.110	011	EPA 8270C	Benz(a)anthracene
117.110	012	EPA 8270C	Benzo(b)fluoranthene
117.110	013	EPA 8270C	Benzo(k)fluoranthene
117.110	014	EPA 8270C	Benzo(g,h,i)perylene
117.110	015	EPA 8270C	Benzo(a)pyrene
117.110	016	EPA 8270C	Benzoic Acid
117.110	018	EPA 8270C	Benzyl Alcohol
117.110	019	EPA 8270C	Benzyl Butyl Phthalate
117.110	020	EPA 8270C	bis(2-chloroethoxy)methane
117.110	021	EPA 8270C	bis(2-chloroethyl) Ether
117.110	022	EPA 8270C	Bis(2-chloroisopropyl) Ether
117.110	023	EPA 8270C	Di(2-ethylhexyl) Phthalate
117.110	024	EPA 8270C	4-Bromophenyl Phenyl Ether
117.110	025	EPA 8270C	Carbazole
117.110	026	EPA 8270C	4-Chloroaniline
117.110	027	EPA 8270C	4-Chloro-3-methylphenol
117.110	028	EPA 8270C	1-Chloronaphthalene
117.110	029	EPA 8270C	2-Chloronaphthalene
117.110	030	EPA 8270C	2-Chlorophenol
117.110	031	EPA 8270C	4-Chlorophenyl Phenyl Ether
117.110	032	EPA 8270C	Chrysene
117.110	035	EPA 8270C	Dibenz(a,j)acridine
117.110	036	EPA 8270C	Dibenz(a,h)anthracene
117.110	037	EPA 8270C	Dibenzofuran

117.110	039	EPA 8270C	1,2-Dichlorobenzene
117.110	040	EPA 8270C	1,3-Dichlorobenzene
117.110	041	EPA 8270C	1,4-Dichlorobenzene
117.110	042	EPA 8270C	3,3'-Dichlorobenzidine
117.110	043	EPA 8270C	2,4-Dichlorophenol
117.110	044	EPA 8270C	2,6-Dichlorophenol
117.110	045	EPA 8270C	Diethyl Phthalate
117.110	050	EPA 8270C	p-Dimethylaminoazobenzene
117.110	051	EPA 8270C	7,12-Dimethylbenz(a)anthracene
117.110	052	EPA 8270C	a,a-Dimethylphenethylamine
117.110	053	EPA 8270C	2,4-Dimethylphenol
117.110	054	EPA 8270C	Dimethyl Phthalate
117.110	055	EPA 8270C	Di-n-butyl phthalate
117.110	056	EPA 8270C	Di-n-octyl phthalate
117.110	058	EPA 8270C	1,3-Dinitrobenzene
117.110	059	EPA 8270C	1,4-Dinitrobenzene
117.110	060	EPA 8270C	2,4-Dinitrophenol
117.110	061	EPA 8270C	2,4-Dinitrotoluene
117.110	062	EPA 8270C	2,6-Dinitrotoluene
117.110	063	EPA 8270C	Diphenylamine
117.110	064	EPA 8270C	1,2-Diphenylhydrazine
117.110	066	EPA 8270C	Ethyl Methanesulfonate
117.110	067	EPA 8270C	Fluoranthene
117.110	068	EPA 8270C	Fluorene
117.110	069	EPA 8270C	Hexachlorobenzene
117.110	070	EPA 8270C	Hexachlorobutadiene
117.110	071	EPA 8270C	Hexachlorocyclopentadiene
117.110	072	EPA 8270C	Hexachloroethane
117.110	074	EPA 8270C	Hexachloropropene
117.110	075	EPA 8270C	Indeno(1,2,3-c,d)pyrene
117.110	076	EPA 8270C	Isophorone
117.110	077	EPA 8270C	Isosafrole
117.110	079	EPA 8270C	3-Methylcholanthrene
117.110	080	EPA 8270C	2-Methyl-4,6-dinitrophenol
117.110	082	EPA 8270C	Methyl Methanesulfonate
117.110	083	EPA 8270C	2-Methylnaphthalene
117.110	084	EPA 8270C	2-Methylphenol
117.110	085	EPA 8270C	3-Methylphenol
117.110	086	EPA 8270C	4-Methylphenol
117.110	087	EPA 8270C	Naphthalene
117.110	088	EPA 8270C	1,4-Naphthoquinone

117.110	089	EPA 8270C	1-Naphthylamine
117.110	090	EPA 8270C	2-Naphthylamine
117.110	092	EPA 8270C	2-Nitroaniline
117.110	093	EPA 8270C	3-Nitroaniline
117.110	094	EPA 8270C	4-Nitroaniline
117.110	095	EPA 8270C	Nitrobenzene
117.110	096	EPA 8270C	2-Nitrophenol
117.110	097	EPA 8270C	4-Nitrophenol
117.110	098	EPA 8270C	N-nitroso-di-n-butylamine
117.110	099	EPA 8270C	N-nitrosodiethylamine
117.110	100	EPA 8270C	N-nitrosodimethylamine
117.110	101	EPA 8270C	N-nitroso-di-n-propylamine
117.110	102	EPA 8270C	N-nitrosodiphenylamine
117.110	103	EPA 8270C	N-nitrosomethylethylamine
117.110	104	EPA 8270C	N-nitrosomorpholine
117.110	105	EPA 8270C	N-nitrosopiperidine
117.110	106	EPA 8270C	N-nitrosopyrrolidine
117.110	107	EPA 8270C	5-Nitro-o-toluidine
117.110	108	EPA 8270C	Pentachlorobenzene
117.110	109	EPA 8270C	Pentachloronitrobenzene
117.110	110	EPA 8270C	Pentachlorophenol
117.110	111	EPA 8270C	Phenacetin
117.110	112	EPA 8270C	Phenanthrene
117.110	113	EPA 8270C	Phenol
117.110	114	EPA 8270C	1,4-Phenylenediamine
117.110	116	EPA 8270C	2-Picoline
117.110	119	EPA 8270C	Pyrene
117.110	120	EPA 8270C	Pyridine
117.110	122	EPA 8270C	Safrole
117.110	124	EPA 8270C	1,2,4,5-Tetrachlorobenzene
117.110	125	EPA 8270C	2,3,4,6-Tetrachlorophenol
117.110	128	EPA 8270C	o-Toluidine
117.110	129	EPA 8270C	1,2,4-Trichlorobenzene
117.110	130	EPA 8270C	2,4,5-Trichlorophenol
117.110	131	EPA 8270C	2,4,6-Trichlorophenol
117.110	132	EPA 8270C	1,3,5-Trinitrobenzene
117.111	015	EPA 8270C	Chlorobenzilate
117.111	021	EPA 8270C	Diallate
117.111	025	EPA 8270C	Dimethoate
117.111	039	EPA 8270C	Isodrin
117.111	054	EPA 8270C	Parathion Ethyl

117.111	055	EPA 8270C	Parathion Methyl
117.111	056	EPA 8270C	Phorate
117.111	058	EPA 8270C	Sulfotepp
117.111	061	EPA 8270C	O,O,O-triethyl Phosphorothioate
117.111	073	EPA 8270C	Polynuclear Aromatic Hydrocarbons
117.111	074	EPA 8270C	Adipates
117.111	075	EPA 8270C	Phthalates
117.111	076	EPA 8270C	Other Extractables
117.120	000	EPA 8280A	Dioxins and Dibenzofurans
117.120	001	EPA 8280A	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
117.120	002	EPA 8280A	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
117.120	003	EPA 8280A	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	004	EPA 8280A	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	005	EPA 8280A	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
117.120	006	EPA 8280A	2,3,7,8-Tetrachlorodibenzofuran (TCDF)
117.120	007	EPA 8280A	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
117.120	008	EPA 8280A	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
117.120	009	EPA 8280A	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	010	EPA 8280A	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	011	EPA 8280A	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
117.120	012	EPA 8280A	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.120	013	EPA 8280A	Total TCDD
117.120	014	EPA 8280A	Total PeCDD
117.120	015	EPA 8280A	Total HxCDD
117.120	016	EPA 8280A	Total TCDF
117.120	017	EPA 8280A	Total PeCDF
117.120	018	EPA 8280A	Total HxCDF
117.120	019	EPA 8280A	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
117.120	020	EPA 8280A	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
117.120	021	EPA 8280A	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
117.120	022	EPA 8280A	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
117.120	023	EPA 8280A	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
117.120	024	EPA 8280A	Total HpCDD
117.120	025	EPA 8280A	Total HpCDF
117.130	000	EPA 8290	Dioxins and Dibenzofurans
117.130	001	EPA 8290	2,3,7,8-Tetrachlorodibenzo-p-dioxin (TCDD)
117.130	002	EPA 8290	1,2,3,7,8-Pentachlorodibenzo-p-dioxin (PeCDD)
117.130	003	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	004	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	005	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin (HxCDD)
117.130	006	EPA 8290	2,3,7,8-Tetrachlorodibenzofuran (TCDF)

117.130	007	EPA 8290	1,2,3,7,8-Pentachlorodibenzofuran (PeCDF)
117.130	008	EPA 8290	2,3,4,7,8-Pentachlorodibenzofuran (PeCDF)
117.130	009	EPA 8290	1,2,3,4,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	010	EPA 8290	1,2,3,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	011	EPA 8290	1,2,3,7,8,9-Hexachlorodibenzofuran (HxCDF)
117.130	012	EPA 8290	2,3,4,6,7,8-Hexachlorodibenzofuran (HxCDF)
117.130	013	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin (HpCDD)
117.130	014	EPA 8290	1,2,3,4,6,7,8-Heptachlorodibenzofuran (HpCDF)
117.130	015	EPA 8290	1,2,3,4,7,8,9-Heptachlorodibenzofuran (HpCDF)
117.130	016	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin (OCDD)
117.130	017	EPA 8290	1,2,3,4,6,7,8,9-Octachlorodibenzofuran (OCDF)
117.170	000	EPA 8330	Nitroaromatics and Nitramines
117.170	001	EPA 8330	4-Amino-2,6-dinitrotoluene
117.170	002	EPA 8330	2-Amino-4,6-dinitrotoluene
117.170	003	EPA 8330	1,3-Dinitrobenzene
117.170	004	EPA 8330	2,4-Dinitrotoluene
117.170	005	EPA 8330	2,6-Dinitrotoluene
117.170	006	EPA 8330	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
117.170	007	EPA 8330	Methyl-2,4,6-trinitrophenylnitramine
117.170	008	EPA 8330	Nitrobenzene
117.170	009	EPA 8330	2-Nitrotoluene
117.170	010	EPA 8330	3-Nitrotoluene
117.170	011	EPA 8330	4-Nitrotoluene
117.170	012	EPA 8330	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
117.170	013	EPA 8330	1,3,5-Trinitrobenzene
117.170	014	EPA 8330	2,4,6-Trinitrotoluene
117.171	000	EPA 8330A	Nitroaromatics and Nitramines
117.171	001	EPA 8330A	4-Amino-2,6-dinitrotoluene
117.171	002	EPA 8330A	2-Amino-4,6-dinitrotoluene
117.171	003	EPA 8330A	1,3-Dinitrobenzene
117.171	004	EPA 8330A	2,4-Dinitrotoluene
117.171	005	EPA 8330A	2,6-Dinitrotoluene
117.171	006	EPA 8330A	Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)
117.171	007	EPA 8330A	Methyl-2,4,6-trinitrophenylnitramine
117.171	008	EPA 8330A	Nitrobenzene
117.171	009	EPA 8330A	2-Nitrotoluene
117.171	010	EPA 8330A	3-Nitrotoluene
117.171	011	EPA 8330A	4-Nitrotoluene
117.171	012	EPA 8330A	Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine
117.171	013	EPA 8330A	1,3,5-Trinitrobenzene
117.171	014	EPA 8330A	2,4,6-Trinitrotoluene

117.210	000	EPA 8081A	Organochlorine Pesticides
117.210	001	EPA 8081A	Aldrin
117.210	002	EPA 8081A	a-BHC
117.210	003	EPA 8081A	b-BHC
117.210	004	EPA 8081A	d-BHC
117.210	005	EPA 8081A	g-BHC (Lindane)
117.210	006	EPA 8081A	Captafol
117.210	007	EPA 8081A	a-Chlordane
117.210	008	EPA 8081A	g-Chlordane
117.210	009	EPA 8081A	Chlordane (tech.)
117.210	010	EPA 8081A	Chlorobenzilate
117.210	013	EPA 8081A	4,4'-DDD
117.210	014	EPA 8081A	4,4'-DDE
117.210	015	EPA 8081A	4,4'-DDT
117.210	016	EPA 8081A	Diallate
117.210	020	EPA 8081A	Dieldrin
117.210	021	EPA 8081A	Endosulfan I
117.210	022	EPA 8081A	Endosulfan II
117.210	023	EPA 8081A	Endosulfan Sulfate
117.210	024	EPA 8081A	Endrin
117.210	025	EPA 8081A	Endrin Aldehyde
117.210	026	EPA 8081A	Endrin Ketone
117.210	027	EPA 8081A	Heptachlor
117.210	028	EPA 8081A	Heptachlor Epoxide
117.210	031	EPA 8081A	Isodrin
117.210	033	EPA 8081A	Methoxychlor
117.210	039	EPA 8081A	Toxaphene
117.220	000	EPA 8082	PCBs
117.220	001	EPA 8082	PCB-1016
117.220	002	EPA 8082	PCB-1221
117.220	003	EPA 8082	PCB-1232
117.220	004	EPA 8082	PCB-1242
117.220	005	EPA 8082	PCB-1248
117.220	006	EPA 8082	PCB-1254
117.220	007	EPA 8082	PCB-1260

State of California—Health and Human Services Agency
California Department of Public Health

MARK B HORTON, MD, MSPH
Director

ARNOLD SCHWARZENEGGER
Governor

July 9, 2010

DR. NORMAN HESTER, Ph.D
TRUESDAIL LABORATORIES, INC.
14201 FRANKLIN AVENUE
TUSTIN, CA 92780

Dear DR. NORMAN HESTER, Ph.D: Certificate No. 1237

This is to advise you that the laboratory named above continues to be certified as an environmental testing laboratory pursuant to the provisions of the Health and Safety Code (HSC), Division 101, Part 1, Chapter 4, Section 100825, et seq. Certification for all currently certified Fields of Testing that the laboratory has applied for renewal shall remain in effect until **07/31/2012** unless it is revoked.

Please note that the renewal application for certification is subject to an on-site process, and the continued use of this certificate is contingent upon:

* **successful completion of the on-site process;**
* **acceptable performance in the required proficiency testing (PT) studies;**
* **timely payment of all fees, including an annual fee due before July 31, 2011;**
* **compliance with Environmental Laboratory Accreditation Program Branch (ELAP) statutes (HSC, Section 100825, et seq.) and Regulations (California Code of Regulations (CCR),Title 22, Division 4, Chapter 19).**

An updated certificate of the "Fields of Testing" will be issued to the laboratory upon successful completion of the on-site process.

The application for the renewal of this certificate must be received before the expiration date to remain in force according to the HSC100845(a).

Please note that the laboratory is required to notify ELAP of any major changes in the laboratory such as the transfer of ownership, change of laboratory director, change in location, or structural alterations which may affect adversely the quality of analyses (HSC, Section 100845(b)(d)). Please include the above certificate number in all your correspondence with ELAP.

If you have any questions, please contact ELAP at (510) 620-3155.

Sincerely,

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

CALIFORNIA STATE

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM BRANCH

CERTIFICATE OF ENVIRONMENTAL ACCREDITATION

Is hereby granted to

TRUESDAIL LABORATORIES, INC.

14201 FRANKLIN AVENUE

TUSTIN, CA 92780

Scope of the certificate is limited to the
"Fields of Testing"
which accompany this Certificate.

Continued accredited status depends on successful completion of on-site, proficiency testing studies, and payment of applicable fees.

This Certificate is granted in accordance with provisions of Section 100825, et seq. of the Health and Safety Code.

Certificate No.: **1237**

Expiration Date: **07/31/2012**

Effective Date: **08/01/2010**

George C. Kulasingam

George C. Kulasingam, Ph.D., Chief
Environmental Laboratory Accreditation Program Branch

Richmond, California
subject to forfeiture or revocation

CALIFORNIA DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM
Accredited Fields of Testing

TRUESDAIL LABORATORIES, INC. **Lab Phone** (714) 730-6239

14201 FRANKLIN AVENUE
TUSTIN, CA 92780

Certificate No: 1237 **Renew Date: 7/31/2010**

Field of Testing: 101 - Microbiology of Drinking Water

101.010	001	Heterotrophic Bacteria	SM9215B
101.060	002	Total Coliform	SM9223
101.060	003	E. coli	SM9223
101.070	002	Total Coliform	Colisure
101.070	003	E. coli	Colisure
101.120	001	Total Coliform (Enumeration)	SM9221A,B,C
101.130	001	Fecal Coliform (Enumeration)	SM9221E (MTF/EC)
101.160	001	Total Coliform (Enumeration)	SM9223
101.200	001	E. coli (Enumeration)	SM9223B

Field of Testing: 102 - Inorganic Chemistry of Drinking Water

102.030	001	Bromide	EPA 300.0
102.030	003	Chloride	EPA 300.0
102.030	005	Fluoride	EPA 300.0
102.030	006	Nitrate	EPA 300.0
102.030	010	Sulfate	EPA 300.0
102.046	001	Perchlorate	EPA 314.1
102.060	001	Nitrate calc.	EPA 353.2
102.100	001	Alkalinity	SM2320B
102.121	001	Hardness	SM2340C
102.130	001	Conductivity	SM2510B
102.140	001	Total Dissolved Solids	SM2540C
102.150	001	Chloride	SM4110B
102.150	002	Fluoride	SM4110B
102.150	003	Nitrate	SM4110B
102.150	006	Sulfate	SM4110B
102.190	001	Cyanide, Total	SM4500-CN E
102.192	001	Cyanide, amenable	SM4500-CN G
102.220	001	Nitrite	SM4500-NO2 B
102.240	001	Phosphate, Ortho	SM4500-P E
102.262	001	Total Organic Carbon	SM5310C
102.263	001	DOC	SM5310C
102.263	002	TOC/DOC	SM5310C
102.270	001	Surfactants	SM5540C
102.280	001	UV254	SM5910B

102.520	001	Calcium	EPA 200.7
102.520	002	Magnesium	EPA 200.7
102.520	003	Potassium	EPA 200.7
102.520	004	Silica	EPA 200.7
102.520	005	Sodium	EPA 200.7
102.520	006	Hardness (calc.)	EPA 200.7
102.533	001	Silica	SM4500-Si D (18th/19th)
102.549	001	Chlorine, Free, Combined, Total	SM4500-Cl D (20th)

Field of Testing: 103 - Toxic Chemical Elements of Drinking Water

103.130	001	Aluminum	EPA 200.7
103.130	003	Barium	EPA 200.7
103.130	004	Beryllium	EPA 200.7
103.130	005	Cadmium	EPA 200.7
103.130	007	Chromium	EPA 200.7
103.130	008	Copper	EPA 200.7
103.130	009	Iron	EPA 200.7
103.130	011	Manganese	EPA 200.7
103.130	012	Nickel	EPA 200.7
103.130	015	Silver	EPA 200.7
103.130	017	Zinc	EPA 200.7
103.130	018	Boron	EPA 200.7
103.140	001	Aluminum	EPA 200.8
103.140	002	Antimony	EPA 200.8
103.140	003	Arsenic	EPA 200.8
103.140	004	Barium	EPA 200.8
103.140	005	Beryllium	EPA 200.8
103.140	006	Cadmium	EPA 200.8
103.140	007	Chromium	EPA 200.8
103.140	008	Copper	EPA 200.8
103.140	009	Lead	EPA 200.8
103.140	010	Manganese	EPA 200.8
103.140	011	Mercury	EPA 200.8
103.140	012	Nickel	EPA 200.8
103.140	013	Selenium	EPA 200.8
103.140	014	Silver	EPA 200.8
103.140	015	Thallium	EPA 200.8
103.140	016	Zinc	EPA 200.8
103.140	017	Boron	EPA 200.8
103.140	018	Vanadium	EPA 200.8
103.160	001	Mercury	EPA 245.1
103.310	001	Chromium (VI)	EPA 218.6

Field of Testing: 104 - Volatile Organic Chemistry of Drinking Water

104.030	001	1,2-Dibromoethane	EPA 504.1
104.030	002	1,2-Dibromo-3-chloropropane	EPA 504.1
104.035	001	1,2,3-Trichloropropane	SRL 524M-TCP
104.040	000	Volatile Organic Compounds	EPA 524.2
104.040	001	Benzene	EPA 524.2
104.040	007	n-Butylbenzene	EPA 524.2
104.040	008	sec-Butylbenzene	EPA 524.2
104.040	009	tert-Butylbenzene	EPA 524.2
104.040	010	Carbon Tetrachloride	EPA 524.2
104.040	011	Chlorobenzene	EPA 524.2
104.040	015	2-Chlorotoluene	EPA 524.2
104.040	016	4-Chlorotoluene	EPA 524.2
104.040	019	1,3-Dichlorobenzene	EPA 524.2
104.040	020	1,2-Dichlorobenzene	EPA 524.2
104.040	021	1,4-Dichlorobenzene	EPA 524.2
104.040	022	Dichlorodifluoromethane	EPA 524.2
104.040	023	1,1-Dichloroethane	EPA 524.2
104.040	024	1,2-Dichloroethane	EPA 524.2
104.040	025	1,1-Dichloroethene	EPA 524.2
104.040	026	cis-1,2-Dichloroethene	EPA 524.2
104.040	027	trans-1,2-Dichloroethene	EPA 524.2
104.040	028	Dichloromethane	EPA 524.2
104.040	029	1,2-Dichloropropane	EPA 524.2
104.040	033	cis-1,3-Dichloropropene	EPA 524.2
104.040	034	trans-1,3-Dichloropropene	EPA 524.2
104.040	035	Ethylbenzene	EPA 524.2
104.040	037	Isopropylbenzene	EPA 524.2
104.040	039	Naphthalene	EPA 524.2
104.040	041	N-propylbenzene	EPA 524.2
104.040	042	Styrene	EPA 524.2
104.040	044	1,1,2,2-Tetrachloroethane	EPA 524.2
104.040	045	Tetrachloroethene	EPA 524.2
104.040	046	Toluene	EPA 524.2
104.040	048	1,2,4-Trichlorobenzene	EPA 524.2
104.040	049	1,1,1-Trichloroethane	EPA 524.2
104.040	050	1,1,2-Trichloroethane	EPA 524.2
104.040	051	Trichloroethene	EPA 524.2
104.040	052	Trichlorofluoromethane	EPA 524.2
104.040	054	1,2,4-Trimethylbenzene	EPA 524.2
104.040	055	1,3,5-Trimethylbenzene	EPA 524.2
104.040	056	Vinyl Chloride	EPA 524.2
104.040	057	Xylenes, Total	EPA 524.2

104.045	001	Bromodichloromethane	EPA 524.2
104.045	002	Bromoform	EPA 524.2
104.045	003	Chloroform	EPA 524.2
104.045	004	Dibromochloromethane	EPA 524.2
104.045	005	Trihalomethanes	EPA 524.2
104.050	002	Methyl tert-butyl Ether (MTBE)	EPA 524.2
104.050	004	tert-Amyl Methyl Ether (TAME)	EPA 524.2
104.050	005	Ethyl tert-butyl Ether (ETBE)	EPA 524.2
104.050	006	Trichlorotrifluoroethane	EPA 524.2
104.050	007	tert-Butyl Alcohol (TBA)	EPA 524.2
104.050	008	Carbon Disulfide	EPA 524.2
104.050	009	Methyl Isobutyl Ketone	EPA 524.2

Field of Testing: 105 - Semi-volatile Organic Chemistry of Drinking Water

105.040	000	Chlorinated Pesticides	EPA 508
105.040	003	Chlordane (total)	EPA 508
105.040	007	Endrin	EPA 508
105.040	008	Heptachlor	EPA 508
105.040	009	Heptachlor Epoxide	EPA 508
105.040	010	Hexachlorobenzene	EPA 508
105.040	011	Hexachlorocyclopentadiene	EPA 508
105.040	012	Lindane	EPA 508
105.040	013	Methoxychlor	EPA 508
105.040	015	Toxaphene	EPA 508
105.040	016	PCBs as Aroclors (screen)	EPA 508
105.083	001	2,4-D	EPA 515.4
105.083	002	Dinoseb	EPA 515.4
105.083	003	Pentachlorophenol	EPA 515.4
105.083	004	Picloram	EPA 515.4
105.083	005	2,4,5-TP	EPA 515.4
105.083	006	Dalapon	EPA 515.4
105.083	007	Bentazon	EPA 515.4
105.083	008	Dicamba	EPA 515.4
105.083	009	Chlorinated Acids	EPA 515.4
105.090	001	Alachlor	EPA 525.2
105.090	003	Atrazine	EPA 525.2
105.090	004	Benzo(a)pyrene	EPA 525.2
105.090	008	Di(2-ethylhexyl) Adipate	EPA 525.2
105.090	009	Di(2-ethylhexyl) Phthalate	EPA 525.2
105.090	022	Molinate	EPA 525.2
105.090	025	Simazine	EPA 525.2
105.090	028	Thiobencarb	EPA 525.2
105.090	029	Polynuclear Aromatic Hydrocarbons	EPA 525.2

105.090	030	Adipates	EPA 525.2
105.090	031	Phthalates	EPA 525.2
105.090	032	Other Extractables	EPA 525.2
105.200	001	Bromoacetic Acid	EPA 552.2
105.200	003	Chloroacetic Acid	EPA 552.2
105.200	004	Dalapon	EPA 552.2
105.200	005	Dibromoacetic Acid	EPA 552.2
105.200	006	Dichloroacetic Acid	EPA 552.2
105.200	007	Trichloroacetic Acid	EPA 552.2
105.200	008	Haloacetic Acids (HAA5)	EPA 552.2

Field of Testing: 106 - Radiochemistry of Drinking Water

106.010	001	Gross Alpha	EPA 900.0
106.010	002	Gross Beta	EPA 900.0
106.050	001	Total Alpha Radium	EPA 903.0
106.051	001	Radium-226	EPA 903.1
106.080	001	Tritium	EPA 906.0
106.090	001	Uranium	EPA 908.0
106.092	001	Uranium	EPA 200.8
106.260	001	Gross Alpha	SM7110B
106.260	002	Gross Beta	SM7110B
106.270	001	Gross Alpha	SM7110C
106.350	001	Radium-226	SM7500-Ra C
106.380	001	Uranium	SM7500-U B
106.610	001	Radon-222	SM7500-Rn
106.620	001	Radon-222	ASTM D5072-92

Field of Testing: 107 - Microbiology of Wastewater

107.010	001	Heterotrophic Bacteria	SM9215B
107.020	001	Total Coliform	SM9221B
107.040	001	Fecal Coliform	SM9221C,E (MTF/EC)
107.100	001	Fecal Streptococci	SM9230B
107.100	002	Enterococci	SM9230B
107.245	001	E. coli	SM9223

Field of Testing: 108 - Inorganic Chemistry of Wastewater

108.110	001	Turbidity	EPA 180.1
108.112	001	Boron	EPA 200.7
108.112	002	Calcium	EPA 200.7
108.112	003	Hardness (calc.)	EPA 200.7
108.112	004	Magnesium	EPA 200.7
108.112	005	Potassium	EPA 200.7
108.112	007	Sodium	EPA 200.7
108.120	001	Bromide	EPA 300.0
108.120	002	Chloride	EPA 300.0

108.120	003	Fluoride	EPA 300.0
108.120	004	Nitrate	EPA 300.0
108.120	008	Sulfate	EPA 300.0
108.360	001	Phenols, Total	EPA 420.1
108.381	001	Oil and Grease	EPA 1664A
108.390	001	Turbidity	SM2130B
108.400	001	Acidity	SM2310B
108.410	001	Alkalinity	SM2320B
108.420	001	Hardness (calc.)	SM2340B
108.421	001	Hardness	SM2340C
108.430	001	Conductivity	SM2510B
108.440	001	Residue, Total	SM2540B
108.441	001	Residue, Filterable	SM2540C
108.442	001	Residue, Non-filterable	SM2540D
108.443	001	Residue, Settleable	SM2540F
108.462	001	Chlorine	SM4500-Cl D
108.470	001	Cyanide, Manual Distillation	SM4500-CN C
108.472	001	Cyanide, Total	SM4500-CN E
108.473	001	Cyanide, amenable	SM4500-CN G
108.490	001	pH	SM4500-H+ B
108.492	001	Ammonia	SM4500-NH3 C (19th/20th)
108.492	002	Kjeldahl Nitrogen	SM4500-NH3 C (19th/20th)
108.493	001	Ammonia	SM4500-NH3 D or E (19th/20th)
108.493	002	Kjeldahl Nitrogen	SM4500-NH3 D or E (19th/20th)
108.510	001	Nitrite	SM4500-NO2 B
108.540	001	Phosphate, Ortho	SM4500-P E
108.541	001	Phosphorus, Total	SM4500-P E
108.550	001	Dissolved Silica	SM4500-Si D (18th/19th)
108.560	001	Sulfite	SM4500-SO3 B
108.580	001	Sulfide	SM4500-S= D
108.590	001	Biochemical Oxygen Demand	SM5210B
108.591	001	Carbonaceous BOD	SM5210B
108.602	001	Chemical Oxygen Demand	SM5220D
108.611	001	Total Organic Carbon	SM5310C
108.630	001	Oil and Grease	SM5520B (20th)
108.640	001	Surfactants	SM5540C
108.660	001	Chemical Oxygen Demand	HACH8000
108.904	001	Calcium	SM3500-Ca D (18th/19th)

Field of Testing: 109 - Toxic Chemical Elements of Wastewater

109.010	001	Aluminum	EPA 200.7
109.010	002	Antimony	EPA 200.7
109.010	003	Arsenic	EPA 200.7

109.010	004	Barium	EPA 200.7
109.010	005	Beryllium	EPA 200.7
109.010	007	Cadmium	EPA 200.7
109.010	009	Chromium	EPA 200.7
109.010	010	Cobalt	EPA 200.7
109.010	011	Copper	EPA 200.7
109.010	012	Iron	EPA 200.7
109.010	013	Lead	EPA 200.7
109.010	015	Manganese	EPA 200.7
109.010	016	Molybdenum	EPA 200.7
109.010	017	Nickel	EPA 200.7
109.010	019	Selenium	EPA 200.7
109.010	021	Silver	EPA 200.7
109.010	023	Thallium	EPA 200.7
109.010	024	Tin	EPA 200.7
109.010	026	Vanadium	EPA 200.7
109.010	027	Zinc	EPA 200.7
109.020	001	Aluminum	EPA 200.8
109.020	002	Antimony	EPA 200.8
109.020	003	Arsenic	EPA 200.8
109.020	004	Barium	EPA 200.8
109.020	005	Beryllium	EPA 200.8
109.020	006	Cadmium	EPA 200.8
109.020	007	Chromium	EPA 200.8
109.020	008	Cobalt	EPA 200.8
109.020	009	Copper	EPA 200.8
109.020	010	Lead	EPA 200.8
109.020	011	Manganese	EPA 200.8
109.020	012	Molybdenum	EPA 200.8
109.020	013	Nickel	EPA 200.8
109.020	014	Selenium	EPA 200.8
109.020	015	Silver	EPA 200.8
109.020	016	Thallium	EPA 200.8
109.020	017	Vanadium	EPA 200.8
109.020	018	Zinc	EPA 200.8
109.020	020	Gold	EPA 200.8
109.020	021	Iron	EPA 200.8
109.020	022	Tin	EPA 200.8
109.020	023	Titanium	EPA 200.8
109.190	001	Mercury	EPA 245.1
109.809	001	Chromium, Total	SM3500-Cr B (20th)
109.809	002	Chromium (VI)	SM3500-Cr B (20th)

Field of Testing: 110 - Volatile Organic Chemistry of Wastewater			
110.040	040	Halogenated Hydrocarbons	EPA 624
110.040	041	Aromatic Compounds	EPA 624
110.040	042	Oxygenates	EPA 624
110.040	043	Other Volatile Organics	EPA 624
Field of Testing: 111 - Semi-volatile Organic Chemistry of Wastewater			
111.101	032	Polynuclear Aromatic Hydrocarbons	EPA 625
111.101	033	Adipates	EPA 625
111.101	034	Phthalates	EPA 625
111.170	030	Organochlorine Pesticides	EPA 608
111.170	031	PCBs	EPA 608
111.272	001	Oil and Grease	SM5520B (20th)
111.273	001	Oil and Grease	EPA 1664A
Field of Testing: 112 - Radiochemistry of Wastewater			
112.010	001	Gross Alpha	EPA 900.0
112.010	002	Gross Beta	EPA 900.0
112.020	001	Total Alpha Radium	EPA 903.0
112.021	001	Radium-226	EPA 903.1
112.030	001	Gross Alpha	SM7110B
112.030	002	Gross Beta	SM7110B
112.050	001	Radium-226	SM7500-Ra C
Field of Testing: 114 - Inorganic Chemistry of Hazardous Waste			
114.010	001	Antimony	EPA 6010B
114.010	002	Arsenic	EPA 6010B
114.010	003	Barium	EPA 6010B
114.010	004	Beryllium	EPA 6010B
114.010	005	Cadmium	EPA 6010B
114.010	006	Chromium	EPA 6010B
114.010	007	Cobalt	EPA 6010B
114.010	008	Copper	EPA 6010B
114.010	009	Lead	EPA 6010B
114.010	010	Molybdenum	EPA 6010B
114.010	011	Nickel	EPA 6010B
114.010	012	Selenium	EPA 6010B
114.010	013	Silver	EPA 6010B
114.010	014	Thallium	EPA 6010B
114.010	015	Vanadium	EPA 6010B
114.010	016	Zinc	EPA 6010B
114.020	001	Antimony	EPA 6020
114.020	002	Arsenic	EPA 6020
114.020	003	Barium	EPA 6020

114.020	004	Beryllium	EPA 6020
114.020	005	Cadmium	EPA 6020
114.020	006	Chromium	EPA 6020
114.020	007	Cobalt	EPA 6020
114.020	008	Copper	EPA 6020
114.020	009	Lead	EPA 6020
114.020	010	Molybdenum	EPA 6020
114.020	011	Nickel	EPA 6020
114.020	012	Selenium	EPA 6020
114.020	013	Silver	EPA 6020
114.020	014	Thallium	EPA 6020
114.020	015	Vanadium	EPA 6020
114.020	016	Zinc	EPA 6020
114.103	001	Chromium (VI)	EPA 7196A
114.106	001	Chromium (VI)	EPA 7199
114.140	001	Mercury	EPA 7470A
114.141	001	Mercury	EPA 7471A
114.221	001	Cyanide, Total	EPA 9012A
114.222	001	Cyanide	EPA 9014
114.230	001	Sulfides, Total	EPA 9034
114.240	001	Corrosivity - pH Determination	EPA 9040B
114.241	001	Corrosivity - pH Determination	EPA 9045C
114.270	001	Fluoride	EPA 9214

Field of Testing: 115 - Extraction Test of Hazardous Waste

115.010	001	Extraction Procedure Toxicity (EPTox)	EPA 1310A
115.020	001	Toxicity Characteristic Leaching Procedure (TCLP)	EPA 1311
115.021	001	TCLP Inorganics	EPA 1311
115.022	001	TCLP Extractables	EPA 1311
115.023	001	TCLP Volatiles	EPA 1311
115.030	001	Waste Extraction Test (WET)	CCR Chapter11, Article 5, Appendix II
115.040	001	Synthetic Precipitation Leaching Procedure (SPLP)	EPA 1312

Field of Testing: 116 - Volatile Organic Chemistry of Hazardous Waste

116.010	000	EDB and DBCP	EPA 8011
116.020	030	Nonhalogenated Volatiles	EPA 8015B
116.020	031	Ethanol and Methanol	EPA 8015B
116.030	001	Gasoline-range Organics	EPA 8015B
116.040	041	Methyl tert-butyl Ether (MTBE)	EPA 8021B
116.040	060	Halogenated Volatiles	EPA 8021B
116.040	061	Aromatic Volatiles	EPA 8021B
116.040	062	BTEX	EPA 8021B
116.080	000	Volatile Organic Compounds	EPA 8260B
116.080	120	Oxygenates	EPA 8260B

116.100	010	BTEX and MTBE	LUFT GC/MS
116.110	001	Total Petroleum Hydrocarbons - Gasoline	LUFT

Field of Testing: 117 - Semi-volatile Organic Chemistry of Hazardous Waste

117.010	001	Diesel-range Total Petroleum Hydrocarbons	EPA 8015B
117.016	001	Diesel-range Total Petroleum Hydrocarbons	LUFT
117.110	000	Extractable Organics	EPA 8270C
117.150	000	Carbonyl Compounds	EPA 8315A
117.210	000	Organochlorine Pesticides	EPA 8081A
117.220	000	PCBs	EPA 8082
117.240	000	Organophosphorus Pesticides	EPA 8141A
117.250	000	Chlorinated Herbicides	EPA 8151A

Field of Testing: 118 - Radiochemistry of Hazardous Waste

118.010	001	Gross Alpha	EPA 9310
118.010	002	Gross Beta	EPA 9310

Field of Testing: 120 - Physical Properties of Hazardous Waste

120.010	001	Ignitability	EPA 1010
120.030	001	Corrosivity	EPA 1110
120.040	001	Reactive Cyanide	Section 7.3 SW-846
120.050	001	Reactive Sulfide	Section 7.3 SW-846
120.070	001	Corrosivity - pH Determination	EPA 9040B
120.080	001	Corrosivity - pH Determination	EPA 9045C

Field of Testing: 126 - Microbiology of Recreational Water

126.010	001	Total Coliform (Enumeration)	SM9221A,B,C
126.030	001	Fecal Coliform (Enumeration)	SM9221E
126.050	001	Total Coliform and E. coli	SM9223