

SURVEY PACKAGE

Survey Package ID: C4024 303C1

Survey Area Name: SETF, Building 4024

**Survey Unit Name: Paved Yard Area and Slabs
Remaining Around SETF**

Version: Revision 0, April 14, 2007

**Prepared IAW:
SETF Sample and Analysis Plan, Rev. 0, March 2007**

**Prepared For:
The Boeing Company
Santa Susana Field Laboratory
5800 Woolsey Canyon Rd
Canoga Park, CA 91304**

**Prepared By:
AREVA NP Inc.
Federal D&D Services
7207 IBM Drive
Charlotte, NC 28262**



SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 1 of 20

Survey Package Cover Sheet

Survey Package Number: C4024 303C1 **Package Type:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Survey Package Preparation:

The survey package instructions are prepared and ready for implementation.

Prepared By: [Signature] **Date:** 4/16/07
FSS/Characterization Design Engineer
Reviewed By: [Signature] **Date:** 4/17/07
FSS/Characterization Manager (or designee)
Approved By: [Signature] **Date:** 4/17/07
Project Manager

Survey Completion:

The survey package instructions were implemented and the survey measurements have been reviewed for completeness in accordance with the Sample and Analysis Plan. The data collected has been reviewed for completeness in accordance with the survey package instructions.

Reviewed By: [Signature] for T. McGehee **Date:** 11/30/07
FSS/Characterization Supervisor (or designee)
Reviewed By: NA **Date:** _____
FSS/Characterization Data Analysis Engineer
Reviewed By: [Signature] **Date:** 11/30/07
RP/FSS/Characterization Manager (or designee)
Approved By: [Signature] **Date:** 11/30/07
Project Manager

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 2 of 20

Table of Contents

Survey Package Number	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

Section	Title	Page
1.0	Survey Area History	3
2.0	Survey Unit Description and History	4
3.0	References	7
4.0	Safety	8
5.0	Support	9
6.0	Procedures	10
7.0	General Survey Package Instruction	11
8.0	Specific Survey Package Instruction	13
9.0	Location Codes	17
10.0	Appendix A, Drawings	
11.0	Appendix B, Photographs	
12.0	Appendix C, Survey Results	

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 3 of 20

Survey Area History

Survey Package Number: C4024 303C1 **Package Type:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Survey Area Description:

Erected in 1960 and enlarged in 1962, 4 unshielded SNAP reactors were tested in the SETF. The reactor systems and radioactive test equipment were removed at the end of testing, additional D&D operations were performed in 1978 and again in 2005.

Survey Area History Information:

SETF Facility Description

As constructed, the SETF consisted of three basic areas: the high bay, general support and mechanical/electrical support areas. In addition to the building areas, a paved yard surrounds the main building. All of the building areas except for test cells B-102 and B-104 of the SGTCC have been surveyed and confirmed to be DM by the DHS-RHB.

The test cells contain activated concrete and metal rebar from former reactor testing. In the yard area, other above grade support structures and below grade components such as radioactive solid, liquid, and gas storage tanks were once buried. The tanks were removed, but surveys showing the radiological condition of the remaining vaults are not available.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 4 of 20

Survey Unit Description and History

Survey Package Number: C4024 303C1 **Package Type:** Structure
LC1: C4024 **Survey Area Name:** SETF, Building 4024
LC2: 303C1 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

LC3 - Surface Category (P1-3) and Associated Area:

LC3_P1_3	Surface Description	Dimensions (Yes or No)	Total Area (m2)
FL1	Floor Surface	No	0
PA1	Paved Areas	No	0

Work Breakdown Structure Information:

WBS ID: 10401 Characterization and Confirmatory Survey Activities

Survey Unit Description:

The yard is paved with asphalt which currently provides vehicle access to all sides of the building. Also included are remaining slabs from SETF General Support and Operating Area; and Mechanical/Electrical Support Area.

Survey Unit Historical Information: Operational History, etc.

This survey is being performed to confirm that residual radioactivity above natural background from former operations at Building 4024 is not present on structural surfaces in areas already confirmed by DHS-RHB as decommissioned materials (DM). Areas include: Paved Yard, slabs of former General Support and Operating Area; and Mechanical/Electrical Support Area.

Below ground radioactive waste storage facilities were once located in the area. Tanks removed during a 1977-78 D&D campaign were: three 6 feet diameter by 40ft long radioactive gas holdup tanks; and two buried 500 gallon liquid radioactive waste holdup tanks located east of the gas holdup. The D&D effort was documented in written plans and photos taken during the removal of these components. However, eight 3 feet diameter by 4 feet deep solid radioactive waste storage vaults, each with a 4.5 feet thick shield block cover were provided in the crane runway area and have not been removed. The storage vaults, vault covers, crane and crane runway are within this project scope.

Facility water was supplied by a 12 inch diameter water line crossing the southeast corner of the site. A looped system around the SETF was provided for fire protection, industrial demands, and

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 5 of 20

Survey Unit Description and History

Survey Package Number: C4024 303C1	Package Type:	Structure
LC1: C4024	Survey Area Name: SETF, Building 4024	
LC2: 303C1	Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF	

domestic requirements. A sanitary sewer system collected non-radioactive sewage wastes from the building lavatories and carried it to the central sewer manhole in the northwest corner of the site. All utilities are to be disconnected and blanked off by Boeing prior to start of demolition. Removal of the disconnected subsurface utilities within the established project boundary is within this project scope. Asphalt, concrete foundations, etc. within the area is to be surveyed, removed and managed as a Decommissioned Material.

Site Lithology

A layer of fill, weathered bedrock or native soil covers the area to variable depths. The site is underlain by the upper cretaceous, arkosic-sandstone Chatsworth formation. Shallow groundwater may be present at the site. The shallow groundwater has been sampled and analyzed by Boeing and found to be free of contamination.

General Support and Operating Area

Immediately north of the high bay area was the general support and operating area which contained the reactor control rooms, change rooms, rest rooms, boiler and compressor room and a shop area. The above grade structures have been demolished and only the slab remains in this area. The removal of the general support and operating area concrete slab is within this project scope and will be managed as a Decommissioned Material.

Mechanical/Electrical Support Area

South of and adjacent to the high bay area was the mechanical/electrical support area containing two rooms, the filter and radioactive gas compressor room and the electrical equipment room. The above grade building structure and all equipment was removed and only the concrete slab remains. The removal of the mechanical/electrical support area concrete slab is within this project scope and is expected to be managed as a Decommissioned Material.

Identity of Potential Contaminants

Radioactivity induced by testing SNAP reactors in the sub grade test cell complex was detected as documented in SAP Reference 7.5, Team Product Document No: RS-00025, Building 4024 Concrete Sampling, performed under the Closure of ETEC (R21-RS) Program (RS-00025 report). The RS-00025 report provides the results for concrete sampling in the SETF, Building 4024 conducted in 2003. The activity of 1 inch depth cores ranged from no detectable activity to 105 pCi/g of Europium-152 (Eu-152) and 9.4 pCi/g of Cobalt-60 (Co-60), the primary contaminants of concern (COC). Other potential radionuclide COCs in addition to Co-60 and Eu-152 include: Am-241, Cs-134, Cs-137, Eu-154, Fe-55, Fe-59, H-3, K-40, Mn-54, Na-22, Ni-63, Pu-238, Pu-239, Pu-240, Pu-241, Sr-90, Th-228, Th-230, Th-232, U-234, U-235, and U-238.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 6 of 20

Survey Unit Description and History

Survey Package Number: C4024 303C1	Package Type:	Structure
LC1: C4024	Survey Area Name: SETF, Building 4024	
LC2: 303C1	Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF	

These additional COCs will also be tested for during the confirmatory survey.

Additional Information Regarding Survey Unit Classification:

Inside RCA? No

Coolant? No

Spills? No

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 7 of 20

Survey Package References

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

References:

1. Sample and Analysis Plan for the SETF D&D Surveys, Rev 0, March 2007, AREVA
2. Quality Assurance Project Plan for the SETF D&D Surveys, Rev 0, March 2007, AREVA
3. Health and Safety Plan for the SETF D&D Project, March 2007, AREVA
4. MARSSIM, Multi-Agency Radiation Survey and Site Investigation Manual, EPA402-R-97-016 (NUREG-1575), August 2000

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 8 of 20

Survey Safety Requirements

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

Safety Requirement and Considerations:

1. This area contains or may contain physical slip, trip and fall hazards, and watch for poisonous snakes and insects.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 9 of 20

Survey Support Requirements

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

Survey Support Requirements and Considerations:

1. Review Job Hazard Analysis prepared for surveys of radiologically clean areas.

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page 10 of 20

Survey Package Procedures

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

Survey Package Procedures:

1. DD-CS-001 Sample Identification and Chain of Custody
2. DD-CS-011 Operation of Ludlum Model 2350 Data Logger
3. DD-CS-014 Bulk Material and Core Bore Sampling
4. DD-RP-010 Portable Instrument Procedure
5. DD-RP-039 Quality Control of Counting Systems and Portable Counters
6. DD-RP-049 Operation of the Ludlum Model 2929 Dual Channel Scaler

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 11 of 20

General Survey Package Instructions

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

1. The DQOs for Confirmatory Surveys is as follows:

Perform measurements and collect samples of sufficient quantity to confirm that residual radioactivity above natural background from former operations at Building 4024 is not present in areas already confirmed by DHS-RHB as decommissioned materials (DM). Evaluate the measurements and sample results for comparability to previous survey results.

Operate instruments for background study and survey direct measurements and sample analysis such that measurement and/or analysis sensitivities or minimum detectable concentrations (MDCs) are ALARA or, as a minimum less than the derived concentration guideline levels (DCGLs).

2. The survey is to aid in removal activities, waste management activities, and remediation planning.

Upon completion of the initial survey specified in this survey package, the data will be analyzed and a determination will be made as to whether or not the structure has been adequately characterized. If contamination is found, investigation surveys will be conducted to define the extent of the contamination such that the areas of elevated activity can be encapsulated/remediated and the structure can be safely removed and properly segregated during demolition.

3. If materials that are potentially hazardous are encountered during the survey, note this in the item description under "material" and report the location of the material to the FSS/Characterization Manager and EH&S Manager.

4. The number of measurements and/or samples prescribed are minimum number required.

Additional measurements may be required to bound the lateral/vertical extent of radiological contamination in the survey unit. Survey maps for each room contained in this survey unit are located in Appendix A. Note the location and boundaries of any radiological contamination identified during the survey.

5. Use the room number from drawings in the LC5 code of the M2350 to identify measurements by Room number for structural surface surveyed. Mark each measurement location with an appropriate label, including LC5 and LC6 code.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 12 of 20

General Survey Package Instructions

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

6. The M2350 data logger(s) are to be downloaded into the Measure Database at completion of survey or at end of shift at a minimum.
7. All samples are to be logged into the Sample Database at completion of survey or at end of shift at a minimum.
8. Note any problems, comments, or other information pertinent to the data or sample collection under the "FIELD NOTES" section.
9. When all samples or measurements are collected, record the total quantity and initial and date the "Collected By" block on the Survey Package Location Code Sheet to indicate the measurements or samples were collected.
10. Place all data, measurement and sample analysis reports, drawings, etc. in the appropriate section of Appendix C, Survey Results, as they are generated, reviewed and approved for survey package closure.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 13 of 20

Specific Survey Package Instructions

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

1. Beta Scan

Perform a beta scan survey of accessible surfaces of the interior and exterior surfaces of the building as described below. Scans should be biased toward areas of highest activity (e.g. pits, cracks, doorways, etc.).

Use a Model 44-116 or equal detector. The scans shall be performed by moving at a maximum rate of one detector width per second while listening to the audible output of the instrument. For interior surfaces and/or exterior surfaces of the building, perform a scan survey of 9 m2 the accessible floor and lower 2 meters of wall surfaces at each SML. Note any areas of elevated activity on the appropriate survey drawing contained in Appendix A. No scan surveys will be required on the building exterior surfaces above 2 meters if the scan of the lower walls does not identify areas of elevated activity. Do not log scan results.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 14 of 20

Specific Survey Package Instructions

Survey Package Number: C4024 303C1	Package Type: Structure
Survey Area Name: SETF, Building 4024	
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF	

2. Direct Beta

Perform direct beta measurements at any locations of elevated activity identified during the scan. If no areas of elevated activity are identified, collect direct beta measurements as directed below.

Use a Model 44-116 or equal detector. A minimum of 18 direct beta measurements will be collected on the surfaces of the building and at locations with the most potential for contamination and where the measurement geometry is most appropriate. If no areas of elevated activity are identified during the scan survey, measurements will be distributed on the building surfaces as follows:

Paved Yard Area surfaces - 10
Concrete Slabs - 8

Note the location of each measurement on the appropriate survey drawing contained in Appendix A. Mark each measurement location with an appropriate label, including the LC5 and LC6 code.

With the background shield installed, perform a 60 second "C" count to determine the field background. Using the field MDA verification sheet, adjust the count time to ensure that the MDC is less than 900 dpm/100 square centimeters.

Collect three pre-survey and three post survey shielded background counts. If pre-survey background counts in the survey unit are within +/- 20% of mean, use LMI Model 44-116 detector with the M2350 in the scaler mode with a 60 second count time and code the measurement LC4_P4 as "G," for Field Background and LC4_P5 as "A" for Average Background application (per measurement). If otherwise, collect a single shielded background at each of the direct beta measurement locations, code the measurement LC4_P4 as "G," field background and LC4_P5 as "S" for Single Background (per measurement).

For the direct measurement, use LMI Model 44-116 detector with the M2350 in the scaler mode with a 60 second count time and code the measurement LC4_P4 as "F," for Field Count and LC4_P5 as "A" for Average Background application or "S" for Single Background (per measurement) as appropriate.

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT

CANOGA PARK, CALIFORNIA

4/14/2007

Page 15 of 20

Specific Survey Package Instructions

Survey Package Number:	C4024 303C1	Package Type:	Structure
Survey Area Name:	SETF, Building 4024		
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF		

3. Direct Alpha

Perform direct alpha measurement at each of the direct beta measurement locations.

Use a Model 43-90 or equal detector. With the background shield installed, perform a 2 minute "C" count to determine the field background. Using the field MDA verification sheet, adjust the count time to ensure that the MDA is less than 75 dpm/100 square centimeters.

Use Model 43-90 detector with the same background protocol and codes as with the direct beta measurements.

4. Contact Gamma

Perform contact gamma measurement at each of the direct beta measurement locations.

Use Model 44-10, the M2350 in the scaler mode with a 12 second count time and code the measurement LC4_P4 as "F," for Field Count.

5. Exposure Rate

Perform gamma exposure rate measurement at one (1) meter distance from each contact gamma measurement location.

Use Model 44-10, the M2350 in the scaler mode with a 12 second count time and code the measurement LC4_P4 as "F," for Field Count.

6. A/B Smear

Collect a smear for removable alpha and beta contamination at each of the direct beta measurement locations.

Collect the smear sample by wiping approximately 100 cm² area for the sample. Combine and analyze by gamma spectroscopy A/B smear samples collected at locations where removable alpha was > 100 dpm/100 cm² or removable beta was >1000 dpm/100 cm².

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 16 of 20

Specific Survey Package Instructions

Survey Package Number: C4024 303C1	Package Type: Structure
Survey Area Name: SETF, Building 4024	
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF	

7. G-Spec Sample

If available, collect a sample from each location composed of loose materials, sediment or sludge to combine for one or two composite samples for gamma spectral analysis.

The samples in order of priority are as follows:

1 to 2 kg Soil/Sediment Samples for Gamma Spectroscopy, if an amount to produce ≥ 125 g of dry sample cannot be obtained, collect materials for a composite sample for the survey unit.

The sample may include a bulk material sample for a petri dish and/or 250 ml marinelli beaker sample.

To achieve the analysis MDC desired, the laboratory requested sample sizes (an amount of soil) that will yield 500 grams of dried soil. The wet soil amount can vary significantly depending on its moisture content. If the desired sample size cannot be obtained, the minimum sample size to achieve an analysis MDC is an amount of wet soil (~ 1 kg) that will produce 125g of dried soil.

If an amount to produce 125g of dried soil cannot be obtained, combine and analyze by gamma spectroscopy smear sample results showing > 100 alpha or > 1000 beta dpm/100cm².

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOCA PARK, CALIFORNIA

4/14/2007

Page 17 of 20

Survey Package Location Codes

Survey Package Number	C4024 303C1	Package Type:	Structure
LC1: C4024	Survey Area Name: SETF, Building 4024		
LC2: 303C1	Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF		
	Class Description: Impacted Class 3 Structure		
	Reason Description: C1 Characterization Survey		
LC3_P1-3 and Surface Category:	FL1 Floor Surface		
LC3_P45	Material Description		
	M1	Metal	
	G1	Miscellaneous Material	
	C2	Concrete (Painted)	
	C1	Concrete (Bare)	

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
A/B Smear	L01	A/B Smear Analysis	Alpha/Beta Counter	8	8	gW
Beta Scan	B14	43-89B	Beta Scintillator	8	8	gW
	B02	44-116	Beta Scintillator			
Contact Gamma	G01	44-10	2"x2" NaI(Tl) Gamma Scintillator	8	8	gW
Direct Alpha	A04	43-89A	Alpha Scintillator	8	8	gW
	A03	43-90	Alpha Scintillator			
Direct Beta	B14	43-89B	Beta Scintillator	8	8	gW
	B02	44-116	Beta Scintillator			
Exposure Rate				8	8	gW

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 18 of 20

Survey Package Location Codes

Survey Package Number C4024 303C1 **Package Type:** Structure

LC1: C4024 **Survey Area Name:** SETF, Building 4024

LC2: 303C1 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C1 Characterization Survey

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
	G02	44-10	2"x2" NaI(Tl) Gamma Scintillator			
G-Spec Sample				1		
	L04	GS Material Analysis	Gamma Spectrometry			

LC3_P1-3 and Surface Category: PA1 Asphalt or Concrete Paved Areas

LC3_P45 Material Description

M1 Metal
 G1 Miscellaneous Material
 C1 Concrete (Bare)
 A1 Asphalt

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
A/B Smear				*10	14	gW
	L01	A/B Smear Analysis	Alpha/Beta Counter			
Beta Scan				710	10	W
	B14	43-89B	Beta Scintillator			
	B02	44-116	Beta Scintillator			
Contact Gamma				5* 10	14	W

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SDMS Documentation

* Additional (4) Locations on Asphalt in vicinity
 of underground waste tanks

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 19 of 20

Survey Package Location Codes

Survey Package Number C4024 303C1 **Package Type:** Structure

LC1: C4024 **Survey Area Name:** SETF, Building 4024

LC2: 303C1 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C1 Characterization Survey

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
Direct Alpha	G01	44-10	2"x2" NaI(Tl) Gamma Scintillator	*10	14	ew
	A04	43-89A	Alpha Scintillator			
	A03	43-90	Alpha Scintillator			
Direct Beta				*10	14	ew
	B14	43-89B	Beta Scintillator			
	B02	44-116	Beta Scintillator			
Exposure Rate				*10	14	ew
	G02	44-10	2"x2" NaI(Tl) Gamma Scintillator			
G-Spec Sample				1	None	ew
	L04	GS Material Analysis	Gamma Spectrometry			

* Additional (4) Locations on
 Asphalt in vicinity of
 underground waste tanks

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page 20 of 20

Survey Package Location Codes

Survey Package Number	C4024 303C1	Package Type:	Structure
------------------------------	-------------	----------------------	-----------

LC1:	C4024	Survey Area Name:	SETF, Building 4024
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LC2:	303C1	Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF
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Class Description:	Impacted Class 3 Structure
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Reason Description:	C1 Characterization Survey
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LC4_P4 - Count Type

LC4_P5 - Background Mode Codes

A Pre-use Background Check

A Average Background

B Pre-use Source Check

N Background Not Required

C Post-use Background Check

S Single Background

D Post-use Source Check

F Field Count

G Field Background

S Field Scan

Survey Field Notes: Additional information regarding the performance of the survey, measurements, sample collection, etc. Use additional pages as needed for field notes.

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page A-1 of 3

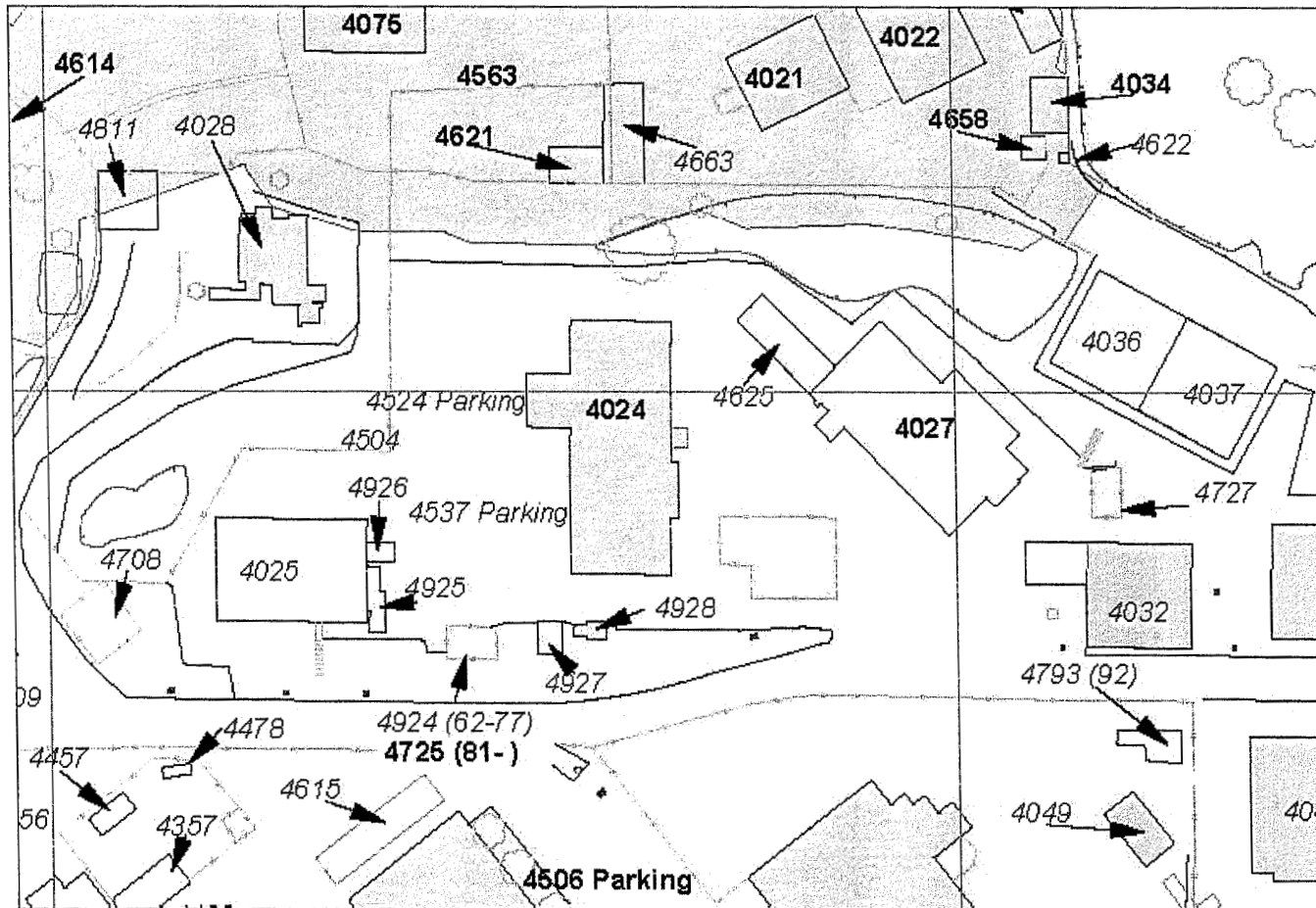
Survey Package Appendix A – Drawings

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Survey Package Appendix A - Drawings

Page A-1 of 3

Survey Package Appendix A – Drawings

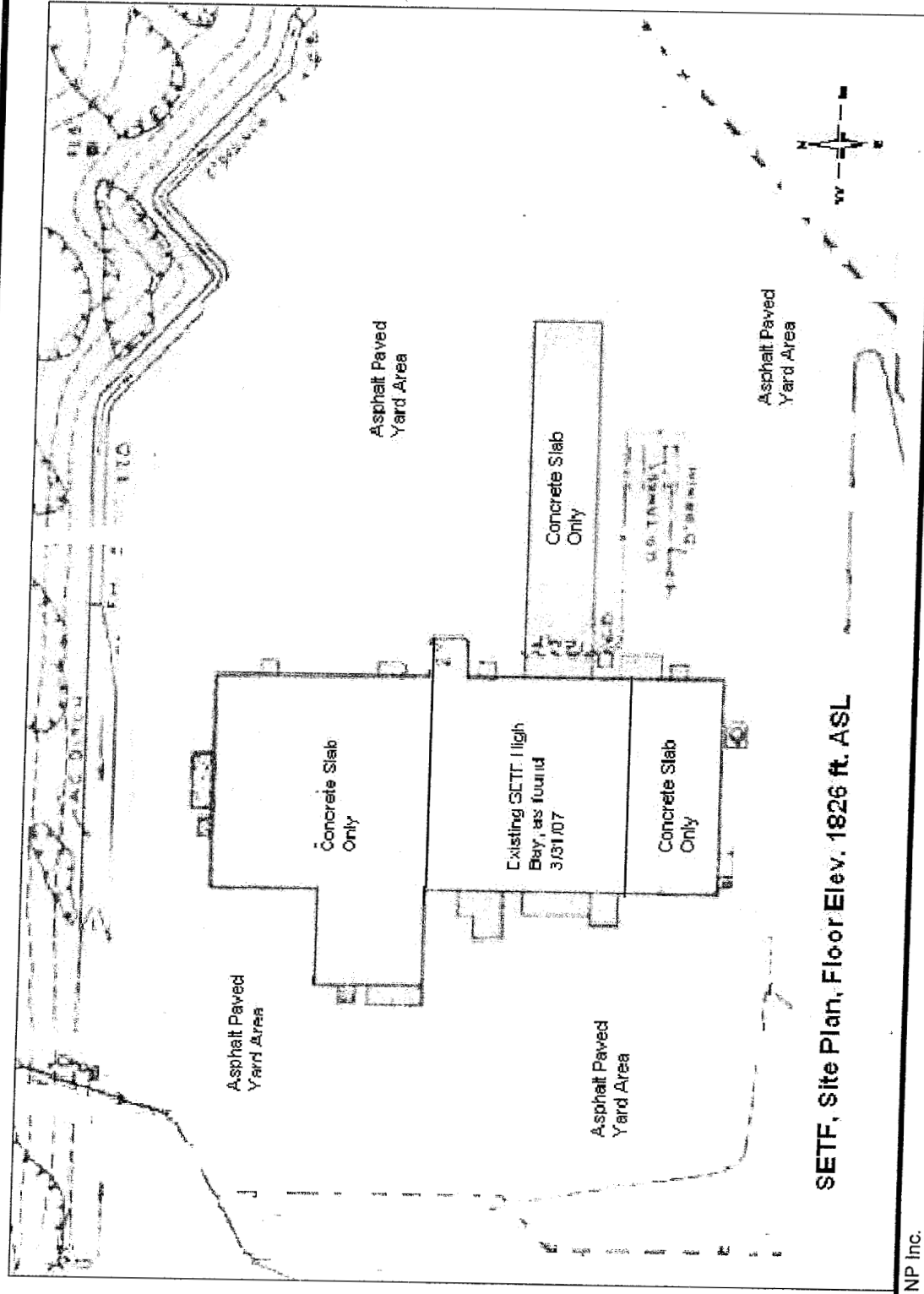


SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page A-2 of 3

Survey Package Appendix A – Drawings



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**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page B-1 of 2

Survey Package Appendix B – Photographs

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

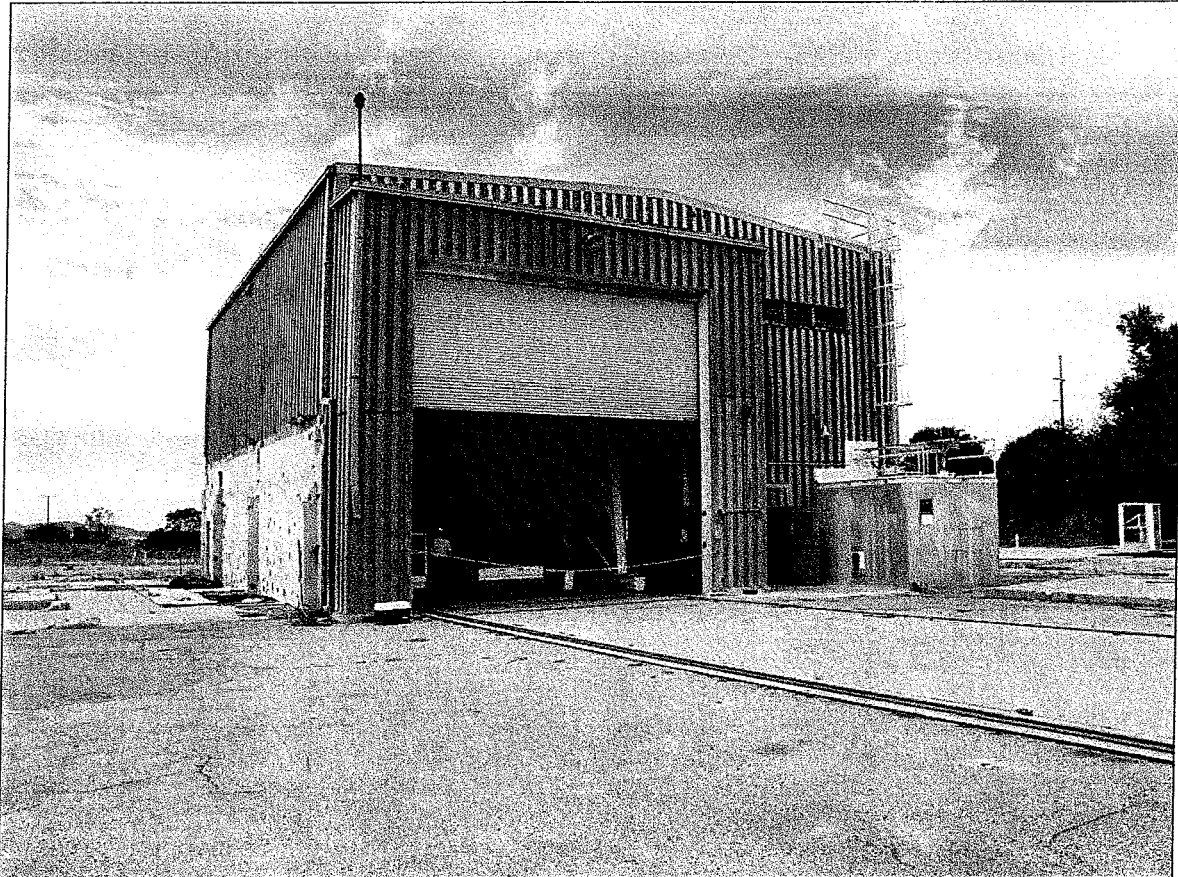
Survey Package Appendix B - Photographs

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page B-2 of 2

Survey Package Appendix B – Photographs



SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 1 of 7

Survey Package Cover Sheet

Survey Package Number: C4024 303C2 Package Type: Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Survey Package Preparation:

The survey package instructions are prepared and ready for implementation.

Prepared By: *J. McLauchee* Date: 5/11/07
FSS/Characterization Design Engineer

Reviewed By: *D. M. Sen JLM* Date: 5/11/07
FSS/Characterization Manager (or designee)

Approved By: *D. M. Sen* Date: 5/11/07
Project Manager

Survey Completion:

The survey package instructions were implemented and the survey measurements have been reviewed for completeness in accordance with the Sample and Analysis Plan. The data collected has been reviewed for completeness in accordance with the survey package instructions.

Reviewed By: *D. M. Sen J. McLauchee* Date: 11/30/07
FSS/Characterization Supervisor (or designee)

Reviewed By: *MA* Date: _____
FSS/Characterization Data Analysis Engineer

Reviewed By: *P. H. H.* Date: 11/30/07
RP/FSS/Characterization Manager (or designee)

Approved By: *D. M. Sen* Date: 11/30/07
Project Manager

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 2 of 7

Survey Unit Description and History

Survey Package Number: C4024 303C2 **Package Type:** Structure
LC1: C4024 **Survey Area Name:** SETF, Building 4024
LC2: 303C2 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

LC3 - Surface Category (P1-3) and Associated Area:

LC3_P1_3	Surface Description	Dimensions (Yes or No)	Total Area (m2)
FL1	Floor Surface	No	0
FL2	Floor Surface	No	0
PA1	Paved Areas	No	0

Work Breakdown Structure Information:

WBS ID: 10401 Characterization and Confirmatory Survey Activities

Survey Unit Description:

FL1 is elevated measurement location NE side of High Bay, FL2 is elevated measurement location SE side of High Bay, and PA1 is asphalt covering location of UST.

Survey Unit Historical Information: Operational History, etc.

Additional Information Regarding Survey Unit Classification:

Inside RCA? N/A

Coolant? N/A

Spills? N/A

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 3 of 7

Survey Package Location Codes

Survey Package Number	C4024 303C2	Package Type:	Structure
LC1: C4024	Survey Area Name: SETF, Building 4024		
LC2: 303C2	Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF		
	Class Description: Impacted Class 3 Structure		
	Reason Description: C2 Characterization Survey		
LC3_P1-3 and Surface Category:	FL1 Floor Surface		
LC3_P45	Material Description		
	C1 Concrete (Bare)		

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
A/B Smear	L01	A/B Smear Analysis	Alpha/Beta Counter	9	_____	_____
Beta Scan	B14	43-89B	Beta Scintillator	9	_____	_____
	B02	44-116	Beta Scintillator			
Contact Gamma	G01	44-10	2"x2" NaI(Tl) Gamma Scintillator	9	_____	_____
Direct Alpha	A04	43-89A	Alpha Scintillator	9	_____	_____
	A03	43-90	Alpha Scintillator			
Direct Beta	B14	43-89B	Beta Scintillator	9	_____	_____
	B02	44-116	Beta Scintillator			
Exposure Rate	G02	44-10	2"x2" NaI(Tl) Gamma Scintillator	9	_____	_____
G-Spec Sample				1	_____	_____

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 4 of 7

Survey Package Location Codes

Survey Package Number C4024 303C2 **Package Type:** **Structure**

LC1: C4024 **Survey Area Name:** SETF, Building 4024

LC2: 303C2 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C2 Characterization Survey

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
	L04	GS Material Analysis	Gamma Spectrometry			

LC3_P1-3 and Surface Category: FL2 Floor Surface

LC3_P45 Material Description

C1 Concrete (Bare)

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
A/B Smear				9	9	MA
	L01	A/B Smear Analysis	Alpha/Beta Counter			
Beta Scan				9	9	
	B14	43-89B	Beta Scintillator			
	B02	44-116	Beta Scintillator			
Contact Gamma				9	9	
	G01	44-10	2"x2" NaI(Tl) Gamma Scintillator			
Direct Alpha				9	9	
	A04	43-89A	Alpha Scintillator			
	A03	43-90	Alpha Scintillator			

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 5 of 7

Survey Package Location Codes

Survey Package Number C4024 303C2 **Package Type:** **Structure**

LC1: C4024 **Survey Area Name:** SETF, Building 4024

LC2: 303C2 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C2 Characterization Survey

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
Direct Beta				9	9	NA
	B14	43-89B	Beta Scintillator			
	B02	44-116	Beta Scintillator			
Exposure Rate				9	9	↓
	G02	44-10	2"x2" NaI(Tl) Gamma Scintillator			
G-Spec Sample				1	1	↓
	L04	GS Material Analysis	Gamma Spectrometry			

LC3_P1-3 and Surface Category: PA1 Asphalt or Concrete Paved Areas

LC3_P45 Material Description

A1 Asphalt

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
A/B Smear				18	18	NA
	L01	A/B Smear Analysis	Alpha/Beta Counter			
Beta Scan				18	18	↓
	B14	43-89B	Beta Scintillator			
	B02	44-116	Beta Scintillator			

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 6 of 7

Survey Package Location Codes

Survey Package Number C4024 303C2 **Package Type:** **Structure**

LC1: C4024 **Survey Area Name:** SETF, Building 4024

LC2: 303C2 **Survey Unit Name:** Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C2 Characterization Survey

LC4_P13 - Detector Type, Analysis Codes, and Measurement/Samples Quantity

Measurement	LC4 P13 Code	Model	Description	Qty Prescribed	Qty Collected	Collected By (Initials)
Contact Gamma	G01	44-10	2"x2" NaI(Tl) Gamma Scintillator	18	_____	_____
Direct Alpha	A04	43-89A	Alpha Scintillator	18	_____	_____
	A03	43-90	Alpha Scintillator		_____	_____
Direct Beta	B14	43-89B	Beta Scintillator	18	_____	_____
	B02	44-116	Beta Scintillator		_____	_____
Exposure Rate	G02	44-10	2"x2" NaI(Tl) Gamma Scintillator	18	_____	_____
G-Spec Sample	L04	GS Material Analysis	Gamma Spectrometry	1	_____	_____

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page 7 of 7

Survey Package Location Codes

Survey Package Number C4024 303C2	Package Type:	Structure
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LC1: C4024 Survey Area Name: SETF, Building 4024

LC2: 303C2 Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Class Description: Impacted Class 3 Structure

Reason Description: C2 Characterization Survey

LC4_P4 - Count Type

LC4_P5 - Background Mode Codes

A Pre-use Background Check
B Pre-use Source Check
C Post-use Background Check
D Post-use Source Check
F Field Count
G Field Background
S Field Scan

A Average Background
N Background Not Required
S Single Background

Survey Field Notes: Additional information regarding the performance of the survey, measurements, sample collection, etc. Use additional pages as needed for field notes.

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-1 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Section	Title	Total Pages
1.0	Annotated Drawings	<u>1</u>
2.0	Measurement Results – Direct Beta Measurements	<u>5</u>
3.0	Measurement Results – Direct Alpha Measurements	<u>5</u>
4.0	Measurement Results – Exposure Rate Measurements	<u>7</u>
5.0	Sample Analysis Results – Alpha/Beta Counter	<u>10</u>
6.0	Sample Analysis Results – Gamma Spectroscopy	<u>0</u>
7.0	Sample Analysis Results – Alpha Spectroscopy	<u>0</u>

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-2 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

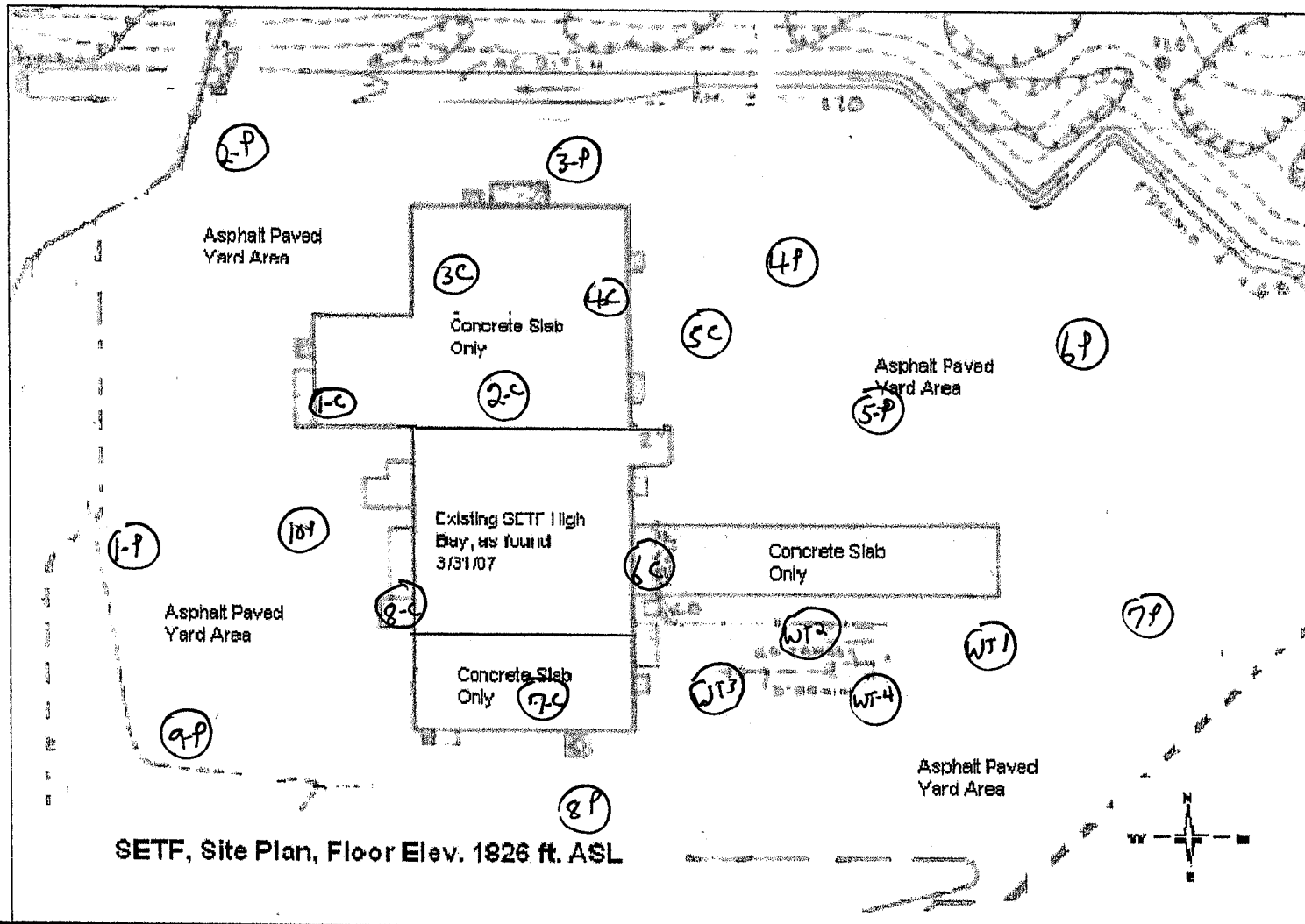
**Section 1.0
Annotated Drawings
_ / Pages**

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

4/14/2007

Page A-2 of 3

Survey Package Appendix A – Drawings



SETF, Site Plan, Floor Elev. 1826 ft. ASL

AREVA NP Inc.

DL 041807-001 (XLI)
DL 041807-002 (PSI)

1C - 7C (Painted Concrete)
8C (Bare Concrete)
1P - 10P (Paved Asphalt)

WT-1 - WT-4 (Paved Asphalt)
SDMS Documentation Federal D&D Services
INVIOLABILITY OF UNDERGROUND WASTE TANKS
DL 041807-001 DL 041807-002 DL 041707-002

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-3 of 8

Survey Package Appendix C – Survey Results

Survey Package:	C4024 303C1	Package: Structure
Survey Area Name:	SETF, Building 4024	
Survey Unit Name:	Paved Yard Area and Slabs Remaining Around SETF	

**Section 2.0
Measurement Results – Direct Beta Measurements
4 Pages**

Measurement Database Download Report

Direct Beta Measurements

4/18/2007

Page 1 of 2

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Beta Efficiency	ActiveArea (cm2)												
DL041807-001	1	JEJ5742	4/18/2007	7:38 AM	C4024 303C1	44-116	222981	0.146	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Beta (dpm/100cm2)
EZ259 DRT02	98648	JEJ5742	222981	3	0	4/17/2007	12:33:06 PM	2.33E+03	600	1	0	19	EZ259	DRT01	FL1C1	B02AA	LAB01	1		0	1276
EZ259 DRT02	98648	JEJ5742	222981	0	1	4/17/2007	12:37:30 PM	3.43E+03	60	1	0	19	EZ259	DRT01	FL1C1	B02BA	LAB01	1		0	18795
EZ259 DRT02	98648	JEJ5742	222981	0	2	4/17/2007	12:39:00 PM	3.66E+03	60	1	0	19	EZ259	DRT01	FL1C1	B02BA	LAB01	2		0	20077
EZ259 DRT02	98648	JEJ5742	222981	0	3	4/17/2007	12:40:36 PM	3.35E+03	60	1	0	19	EZ259	DRT01	FL1C1	B02BA	LAB01	3		0	18351
C4024 303C1	98648	JEJ5742	222981	3	4	4/17/2007	12:56:18 PM	2.74E+02	60	1	0	19	C4024	303C1	FL1C1	B02GA	FL1	1		0	1501
C4024 303C1	98648	JEJ5742	222981	3	5	4/17/2007	12:57:34 PM	2.86E+02	60	1	0	19	C4024	303C1	FL1C1	B02GA	FL1	2		0	1567
C4024 303C1	98648	JEJ5742	222981	3	6	4/17/2007	12:58:48 PM	2.70E+02	60	1	0	19	C4024	303C1	FL1C1	B02GA	FL1	3		0	1479
C4024 303C1	98648	JEJ5742	222981	3	7	4/17/2007	1:03:20 PM	4.28E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL1	1		0	2345
C4024 303C1	98648	JEJ5742	222981	3	8	4/17/2007	1:06:12 PM	4.02E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL2	2		0	2203
C4024 303C1	98648	JEJ5742	222981	3	9	4/17/2007	1:08:42 PM	4.47E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL3	3		0	2449
C4024 303C1	98648	JEJ5742	222981	3	10	4/17/2007	1:12:04 PM	4.32E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL4	4		0	2367
C4024 303C1	98648	JEJ5742	222981	3	11	4/17/2007	1:14:40 PM	5.38E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL5	5		0	2948
C4024 303C1	98648	JEJ5742	222981	3	12	4/17/2007	1:16:50 PM	4.68E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL6	6		0	2564
C4024 303C1	98648	JEJ5742	222981	3	13	4/17/2007	1:22:02 PM	3.33E+02	60	1	0	19	C4024	303C1	FL1C2	B02FA	FL7	7		0	1825
C4024 303C1	98648	JEJ5742	222981	3	14	4/17/2007	1:28:46 PM	5.13E+02	60	1	0	19	C4024	303C1	FL1C1	B02FA	FL8	8		0	2811
C4024 303C1	98648	JEJ5742	222981	3	15	4/17/2007	1:40:18 PM	5.93E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA1	1		0	3249
C4024 303C1	98648	JEJ5742	222981	3	16	4/17/2007	1:42:40 PM	5.84E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA2	2		0	3200
C4024 303C1	98648	JEJ5742	222981	3	17	4/17/2007	1:44:46 PM	5.82E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA3	3		0	3189
C4024 303C1	98648	JEJ5742	222981	3	18	4/17/2007	1:46:44 PM	5.10E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA4	4		0	2795

Direct Beta Measurements

Page 2 of 2

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Beta Efficiency	ActiveArea (cm2)
DL041807-001	1	JEJ5742	4/18/2007	7:38 AM	C4024 303C1	44-116	222981	0.146	125

Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Beta (dpm/100cm2)
C4024 303C1	98648	JEJ5742	222981	3	19	4/17/2007	1:48:50 PM	5.63E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA5	5		0	3085
C4024 303C1	98648	JEJ5742	222981	3	20	4/17/2007	1:50:44 PM	5.27E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA6	6		0	2888
C4024 303C1	98648	JEJ5742	222981	3	21	4/17/2007	1:53:36 PM	5.52E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA7	7		0	3025
C4024 303C1	98648	JEJ5742	222981	3	22	4/17/2007	1:56:34 PM	4.96E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA8	8		0	2718
C4024 303C1	98648	JEJ5742	222981	3	23	4/17/2007	1:58:50 PM	5.51E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA9	9		0	3019
C4024 303C1	98648	JEJ5742	222981	3	24	4/17/2007	2:02:54 PM	5.71E+02	60	1	0	19	C4024	303C1	PA1A1	B02FA	PA10	10		0	3129
C4024 303C1	98648	JEJ5742	222981	3	25	4/17/2007	2:09:40 PM	3.50E+02	60	1	0	19	C4024	303C1	PA1A1	B02GA	PA1	1		0	1918
C4024 303C1	98648	JEJ5742	222981	3	26	4/17/2007	2:11:00 PM	3.16E+02	60	1	0	19	C4024	303C1	PA1A1	B02GA	PA1	2		0	1732
C4024 303C1	98648	JEJ5742	222981	3	27	4/17/2007	2:12:12 PM	2.89E+02	60	1	0	19	C4024	303C1	PA1A1	B02GA	PA1	3		0	1584
EZ259 DRT02	98648	JEJ5742	222981	0	28	4/17/2007	2:33:36 PM	2.83E+03	600	1	0	19	EZ259	DRT02	PA1A1	B02CA	LAB01	1		0	1552
EZ259 DRT02	98648	JEJ5742	222981	0	29	4/17/2007	2:47:42 PM	3.32E+03	60	1	0	19	EZ259	DRT02	PA1A1	B02DA	LAB01	1		0	18214
EZ259 DRT02	98648	JEJ5742	222981	0	30	4/17/2007	2:50:22 PM	3.48E+03	60	1	0	19	EZ259	DRT02	PA1A1	B02DA	LAB01	2		0	19063
EZ259 DRT02	98648	JEJ5742	222981	0	31	4/17/2007	2:51:58 PM	3.40E+03	60	1	0	19	EZ259	DRT02	PA1A1	B02DA	LAB01	3		0	18603

Reviewed By: J. John Date: 4/18/07 Approved By: _____ Date: _____

Measurement Database Download Report

Direct Beta Measurements

5/15/2007

Page 1 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Beta Efficiency	ActiveArea (cm2)												
DL051407-001	1	JLM3848	5/14/2007	6:47 PM	C4024 303C2	43-89B	199355B	0.112	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Beta (dpm/100cm2)
EZ259 DRT01	126195	JLW1061	199355B	13	4	5/14/2007	12:08:58 PM	3.28E+03	600	i	0	49	EZ259	DRT01	FLIC1	B14AA	LAB01	i	3	0	2341
EZ259 DRT01	126195	JLW1061	199355B	13	5	5/14/2007	12:11:32 PM	3.04E+03	60	i	0	49	EZ259	DRT01	FLIC1	B14BA	LAB01	i	3	0	21693
EZ259 DRT01	126195	JLW1061	199355B	13	6	5/14/2007	12:13:42 PM	2.78E+03	60	i	0	49	EZ259	DRT01	FLIC1	B14BA	LAB01	2	3	0	19836
EZ259 DRT01	126195	JLW1061	199355B	13	7	5/14/2007	12:15:30 PM	2.79E+03	60	i	0	49	EZ259	DRT01	FLIC1	B14BA	LAB01	3	3	0	19936
C4024 303C2	126195	JLW1061	199355B	13	8	5/14/2007	12:26:48 PM	4.64E+02	60	i	0	49	C4024	303C2	PA1A1	B14GA	UST	1	3	0	3314
C4024 303C2	126195	JLW1061	199355B	13	9	5/14/2007	12:27:56 PM	4.46E+02	60	i	0	49	C4024	303C2	PA1A1	B14GA	UST	2	3	0	3186
C4024 303C2	126195	JLW1061	199355B	13	10	5/14/2007	12:29:04 PM	4.50E+02	60	i	0	49	C4024	303C2	PA1A1	B14GA	UST	3	3	0	3214
C4024 303C2	126195	JLW1061	199355B	13	11	5/14/2007	12:30:52 PM	6.00E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	i	3	0	4286
C4024 303C2	126195	JLW1061	199355B	13	12	5/14/2007	12:32:14 PM	5.82E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	2	3	0	4157
C4024 303C2	126195	JLW1061	199355B	13	13	5/14/2007	12:33:34 PM	5.97E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	3	3	0	4264
C4024 303C2	126195	JLW1061	199355B	13	14	5/14/2007	12:34:50 PM	7.15E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	4	3	0	5107
C4024 303C2	126195	JLW1061	199355B	13	15	5/14/2007	12:36:10 PM	5.67E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	5	3	0	4050
C4024 303C2	126195	JLW1061	199355B	13	16	5/14/2007	12:37:30 PM	6.53E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	6	3	0	4664
C4024 303C2	126195	JLW1061	199355B	13	17	5/14/2007	12:38:48 PM	6.34E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	7	3	0	4529
C4024 303C2	126195	JLW1061	199355B	13	18	5/14/2007	12:40:06 PM	6.24E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	8	3	0	4457
C4024 303C2	126195	JLW1061	199355B	13	19	5/14/2007	12:41:28 PM	6.39E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	9	3	0	4564
C4024 303C2	126195	JLW1061	199355B	13	20	5/14/2007	12:42:46 PM	6.61E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	10	3	0	4721
C4024 303C2	126195	JLW1061	199355B	13	21	5/14/2007	12:44:02 PM	6.03E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	11	3	0	4307
C4024 303C2	126195	JLW1061	199355B	13	22	5/14/2007	12:45:20 PM	5.98E+02	60	i	0	49	C4024	303C2	PA1A1	B14FA	UST	12	3	0	4271

Measurement Database Download Report

Direct Beta Measurements

5/15/2007

Page 2 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Beta Efficiency	ActiveArea (cm2)												
DL051407-001	1	JLM3848	5/14/2007	6:47 PM	C4024 303C2	43-89B	199355B	0.112	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Beta (dpm/100cm2)
C4024 303C2	126195	JLW1061	199355B	13	23	5/14/2007	12:46:58 PM	5.97E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	13	3	0	4264
C4024 303C2	126195	JLW1061	199355B	13	24	5/14/2007	12:48:20 PM	5.82E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	14	3	0	4157
C4024 303C2	126195	JLW1061	199355B	13	25	5/14/2007	12:49:50 PM	6.61E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	15	3	0	4721
C4024 303C2	126195	JLW1061	199355B	13	26	5/14/2007	12:51:18 PM	7.03E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	16	3	0	5021
C4024 303C2	126195	JLW1061	199355B	13	27	5/14/2007	12:52:46 PM	6.66E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	17	3	0	4757
C4024 303C2	126195	JLW1061	199355B	13	28	5/14/2007	12:54:16 PM	6.43E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	18	3	0	4593
C4024 303C2	126195	JLW1061	199355B	13	29	5/14/2007	12:55:36 PM	6.27E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	19	3	0	4479
C4024 303C2	126195	JLW1061	199355B	13	30	5/14/2007	12:56:58 PM	6.02E+02	60	1	0	49	C4024	303C2	PA1A1	B14FA	UST	20	3	0	4300
C4024 303C2	126195	JLW1061	199355B	13	31	5/14/2007	12:59:06 PM	5.73E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	1	3	0	4093
C4024 303C2	126195	JLW1061	199355B	13	32	5/14/2007	1:00:20 PM	6.20E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	2	3	0	4429
C4024 303C2	126195	JLW1061	199355B	13	33	5/14/2007	1:01:34 PM	7.05E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	3	3	0	5036
C4024 303C2	126195	JLW1061	199355B	13	34	5/14/2007	1:02:44 PM	6.83E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	4	3	0	4879
C4024 303C2	126195	JLW1061	199355B	13	35	5/14/2007	1:03:54 PM	5.98E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	5	3	0	4271
C4024 303C2	126195	JLW1061	199355B	13	36	5/14/2007	1:05:12 PM	6.94E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	6	3	0	4957
C4024 303C2	126195	JLW1061	199355B	13	37	5/14/2007	1:06:30 PM	5.84E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	7	3	0	4171
C4024 303C2	126195	JLW1061	199355B	13	38	5/14/2007	1:07:42 PM	6.49E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	8	3	0	4636
C4024 303C2	126195	JLW1061	199355B	13	39	5/14/2007	1:08:54 PM	5.49E+02	60	1	0	49	C4024	303C2	FL2C1	B14FA	UST	9	3	0	3921
C4024 303C2	126195	JLW1061	199355B	13	40	5/14/2007	1:11:16 PM	5.55E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	1	3	0	3964
C4024 303C2	126195	JLW1061	199355B	13	41	5/14/2007	1:12:30 PM	4.83E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	2	3	0	3450

Measurement Database Download Report

Direct Beta Measurements

5/15/2007

Page 3 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Beta Efficiency	ActiveArea (cm2)												
DL051407-001	1	JLM3848	5/14/2007	6:47 PM	C4024 303C2	43-89B	199355B	0.112	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Beta (dpm/100cm2)
C4024 303C2	126195	JLW1061	199355B	13	42	5/14/2007	1:13:44 PM	5.58E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	3	3	0	3986
C4024 303C2	126195	JLW1061	199355B	13	43	5/14/2007	1:14:58 PM	6.16E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	4	3	0	4400
C4024 303C2	126195	JLW1061	199355B	13	44	5/14/2007	1:16:48 PM	6.25E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	5	3	0	4464
C4024 303C2	126195	JLW1061	199355B	13	45	5/14/2007	1:18:00 PM	5.83E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	6	3	0	4164
C4024 303C2	126195	JLW1061	199355B	13	46	5/14/2007	1:19:18 PM	5.73E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	7	3	0	4093
C4024 303C2	126195	JLW1061	199355B	13	47	5/14/2007	1:20:32 PM	5.75E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	8	3	0	4107
C4024 303C2	126195	JLW1061	199355B	13	48	5/14/2007	1:21:48 PM	6.05E+02	60	1	0	49	C4024	303C2	FL1C1	B14FA	UST	9	3	0	4321
C4024 303C2	126195	JLW1061	199355B	13	49	5/14/2007	1:24:10 PM	4.79E+02	60	1	0	49	C4024	303C2	FL1C1	B14GA	UST	1	3	0	3421
C4024 303C2	126195	JLW1061	199355B	13	50	5/14/2007	1:25:24 PM	5.10E+02	60	1	0	49	C4024	303C2	FL1C1	B14GA	UST	2	3	0	3643
C4024 303C2	126195	JLW1061	199355B	13	51	5/14/2007	1:26:42 PM	4.72E+02	60	1	0	49	C4024	303C2	FL1C1	B14GA	UST	3	3	0	3371
EZ259 DRT02	126195	JLW1061	199355B	13	76	5/14/2007	3:39:12 PM	3.69E+03	600	1	0	49	EZ259	DRT02	PA1A1	B14CA	LAB01	1	3	0	2634
EZ259 DRT02	126195	JLW1061	199355B	13	77	5/14/2007	3:43:36 PM	2.89E+03	60	1	0	49	EZ259	DRT02	PA1A1	B14DA	LAB01	1	3	0	20657
EZ259 DRT02	126195	JLW1061	199355B	13	78	5/14/2007	3:45:02 PM	2.69E+03	60	1	0	49	EZ259	DRT02	PA1A1	B14DA	LAB01	2	3	0	19243
EZ259 DRT02	126195	JLW1061	199355B	13	79	5/14/2007	3:46:38 PM	2.85E+03	60	1	0	49	EZ259	DRT02	PA1A1	B14DA	LAB01	3	3	0	20379

Reviewed By:

Joel Hay

Date:

5-17-07

Approved By:

E. J. Hay

Date:

5-16-07

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-4 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Section 3.0
Measurement Results – Direct Alpha Measurements
5 Pages

Measurement Database Download Report

Direct Alpha Measurements

4/25/2007

Page 1 of 2

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Alpha Efficiency	ActiveArea (cm2)												
DL041707-002	1	JLW1061	4/17/2007	2:57 PM	C4024 303C1	43-90	249011	0.173	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Alpha (dpm/100cm2)
FS440 DRT02	126195	JLW1061	249011	0	0	4/17/2007	3:42:02 PM	5.00E+00	600	1	0	18	FS440	DRT01	FL1C1	A03AA	LAB01	1		0	2
FS440 DRT02	126195	JLW1061	249011	0	1	4/17/2007	3:47:50 PM	3.23E+03	60	1	0	18	FS440	DRT01	FL1C1	A03BA	LAB01	1		0	14932
FS440 DRT02	126195	JLW1061	249011	0	2	4/17/2007	3:49:40 PM	3.21E+03	60	1	0	18	FS440	DRT01	FL1C1	A03BA	LAB01	2		0	14858
FS440 DRT02	126195	JLW1061	249011	0	3	4/17/2007	3:51:22 PM	3.16E+03	60	1	0	18	FS440	DRT01	FL1C1	A03BA	LAB01	3		0	14590
C4024 303C1	126195	JLW1061	249011	3	4	4/17/2007	4:10:12 PM	0.00E+00	60	1	0	18	C4024	303C1	FL1C1	A03GA	FL1	1		0	0
C4024 303C1	126195	JLW1061	249011	3	6	4/17/2007	4:12:40 PM	0.00E+00	60	1	0	18	C4024	303C1	FL1C1	A03GA	FL1	3		0	0
C4024 303C1	126195	JLW1061	249011	3	7	4/17/2007	4:17:22 PM	1.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL1	1		0	5
C4024 303C1	126195	JLW1061	249011	3	8	4/17/2007	4:20:06 PM	2.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL2	2		0	9
C4024 303C1	126195	JLW1061	249011	3	9	4/17/2007	4:22:56 PM	6.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL3	3		0	28
C4024 303C1	126195	JLW1061	249011	3	10	4/17/2007	4:25:40 PM	5.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL4	4		0	23
C4024 303C1	126195	JLW1061	249011	3	11	4/17/2007	4:28:56 PM	4.50E+01	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL5	5		0	208
C4024 303C1	126195	JLW1061	249011	3	13	4/17/2007	4:34:04 PM	9.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL6	6		0	42
C4024 303C1	126195	JLW1061	249011	3	14	4/17/2007	4:36:28 PM	2.00E+00	60	1	0	18	C4024	303C1	FL1C2	A03FA	FL7	7		0	9
C4024 303C1	126195	JLW1061	249011	3	15	4/17/2007	4:43:14 PM	2.40E+01	60	1	0	18	C4024	303C1	FL1C1	A03FA	FL8	8		0	111
C4024 303C1	126195	JLW1061	249011	3	16	4/17/2007	4:54:02 PM	8.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FS	PA1	1		0	37
C4024 303C1	126195	JLW1061	249011	3	17	4/17/2007	4:56:44 PM	6.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA2	2		0	28
C4024 303C1	126195	JLW1061	249011	3	18	4/17/2007	4:59:06 PM	2.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA3	3		0	9
C4024 303C1	126195	JLW1061	249011	3	19	4/17/2007	5:01:58 PM	3.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA4	4		0	14
C4024 303C1	126195	JLW1061	249011	3	20	4/17/2007	5:04:02 PM	3.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA5	5		0	14

Measurement Database Download Report

Direct Alpha Measurements

Page 2 of 2

4/25/2007

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Alpha Efficiency	Active Area (cm2)												
DL041707-002	1	JLW1061	4/17/2007	2:57 PM	C4024 303C1	43-90	249011	0.173	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Alpha (dpm/100cm2)
C4024 303C1	126195	JLW1061	249011	3	21	4/17/2007	5:06:12 PM	3.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA6	6		0	14
C4024 303C1	126195	JLW1061	249011	3	22	4/17/2007	5:08:38 PM	6.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA7	7		0	28
C4024 303C1	126195	JLW1061	249011	3	23	4/17/2007	5:11:00 PM	4.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA8	8		0	18
C4024 303C1	126195	JLW1061	249011	3	24	4/17/2007	5:13:22 PM	1.00E+01	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA9	9		0	46
C4024 303C1	126195	JLW1061	249011	3	25	4/17/2007	5:17:16 PM	5.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03FA	PA11	10		0	23
C4024 303C1	126195	JLW1061	249011	3	26	4/17/2007	5:21:44 PM	2.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03GA	PA1	1		0	9
C4024 303C1	126195	JLW1061	249011	3	27	4/17/2007	5:24:10 PM	1.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03GA	PA1	2		0	5
C4024 303C1	126195	JLW1061	249011	3	28	4/17/2007	5:25:26 PM	1.00E+00	60	1	0	18	C4024	303C1	PA1A1	A03GA	PA1	3		0	5
C4024 303C1	126195	JLW1061	249011	3	29	4/17/2007	5:28:50 PM	5.00E+00	120	1	0	18	C4024	303C1	PA1A1	A03GS	PA1	1		0	12
FS440 DRT02	126195	JLW1061	249011	0	30	4/17/2007	5:47:34 PM	1.30E+01	600	1	0	18	FS440	DRT02	PA1	A03CA	LAB01	1		0	6
FS440 DRT02	126195	JLW1061	249011	0	31	4/17/2007	6:01:44 PM	3.37E+03	60	1	0	18	FS440	DRT02	PA1	A03DA	LAB01	1		0	15602
FS440 DRT02	126195	JLW1061	249011	0	32	4/17/2007	6:03:58 PM	3.27E+03	60	1	0	18	FS440	DRT02	PA1	A03DA	LAB01	2		0	15131
FS440 DRT02	126195	JLW1061	249011	0	33	4/17/2007	6:05:28 PM	3.17E+03	60	1	0	18	FS440	DRT02	PA1	A03DA	LAB01	3		0	14664

Reviewed By:

Joe Loney

Date:

4-26-07

Approved By:

Tom M. Kelly

Date:

4/26/07

Measurement Database Download Report

Direct Alpha Measurements

5/14/2007

Page 1 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Alpha Efficiency	Active Area (cm2)												
DL051107-001	2	JLM3848	5/11/2007	4:08 PM	C4024 303C2	43-90	249011	0.173	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Alpha (dpm/100cm2)
FS440 DRT01	126195	JLW1061	249011	0	0	5/11/2007	11:28:42 AM	1.00E+01	600	i	0	47	FS440	DRT01	PA1A1	A03AA	LAB01	1	8	0	5
FS440 DRT01	126195	JLW1061	249011	0	1	5/11/2007	11:34:10 AM	3.24E+03	60	1	0	47	FS440	DRT01	PA1A1	A03BA	LAB01	1	8	0	14992
FS440 DRT01	126195	JLW1061	249011	0	2	5/11/2007	11:35:58 AM	3.16E+03	60	1	0	47	FS440	DRT01	PA1A1	A03BA	LAB01	2	8	0	14599
FS440 DRT01	126195	JLW1061	249011	0	3	5/11/2007	11:37:34 AM	3.05E+03	60	i	0	47	FS440	DRT01	PA1A1	A03BA	LAB01	3	8	0	14081
C4024 303C2	126195	JLW1061	249011	0	4	5/11/2007	3:16:02 PM	0.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03GA	A1	1	0	0	0
C4024 303C2	126195	JLW1061	249011	0	5	5/11/2007	3:19:10 PM	1.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03GA	A1	2	0	0	5
C4024 303C2	126195	JLW1061	249011	0	6	5/11/2007	3:20:24 PM	3.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03GA	A1	3	0	0	14
C4024 303C2	126195	JLW1061	249011	0	7	5/11/2007	3:22:42 PM	2.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	i	0	0	9
C4024 303C2	126195	JLW1061	249011	0	8	5/11/2007	3:24:00 PM	1.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	2	0	0	5
C4024 303C2	126195	JLW1061	249011	0	9	5/11/2007	3:25:16 PM	7.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	3	0	0	32
C4024 303C2	126195	JLW1061	249011	0	10	5/11/2007	3:26:32 PM	2.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	4	0	0	9
C4024 303C2	126195	JLW1061	249011	0	11	5/11/2007	3:27:50 PM	5.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	5	0	0	23
C4024 303C2	126195	JLW1061	249011	0	12	5/11/2007	3:29:16 PM	7.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	6	0	0	32
C4024 303C2	126195	JLW1061	249011	0	13	5/11/2007	3:30:40 PM	6.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	7	0	0	28
C4024 303C2	126195	JLW1061	249011	0	14	5/11/2007	3:31:58 PM	6.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	8	0	0	28
C4024 303C2	126195	JLW1061	249011	0	15	5/11/2007	3:33:18 PM	5.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	9	0	0	23
C4024 303C2	126195	JLW1061	249011	0	16	5/11/2007	3:34:36 PM	7.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	10	0	0	32
C4024 303C2	126195	JLW1061	249011	0	17	5/11/2007	3:36:36 PM	4.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	11	1	0	18
C4024 303C2	126195	JLW1061	249011	0	18	5/11/2007	3:37:58 PM	7.00E+00	60	1	0	47	C4024	303C2	PA1A1	A03FA	A1	12	2	0	32

Measurement Database Download Report

Direct Alpha Measurements

5/14/2007

Page 2 of 3

Download ID		Station Number	User ID	Download Date		Download Time		Survey Package ID		Detector Model Number		Detector Serial Number		4 pi Alpha Efficiency			ActiveArea (cm2)					
DL051107-001		2	JLM3848	5/11/2007		4:08 PM		C4024 303C2		43-90		249011		0.173			125					
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Alpha (dpm/100cm2)	
C4024 303C2	126195	JLW1061	249011	0	19	5/11/2007	3:39:16 PM	5.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	13	3	0	23	
C4024 303C2	126195	JLW1061	249011	0	20	5/11/2007	3:41:28 PM	2.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	14	3	0	9	
C4024 303C2	126195	JLW1061	249011	0	21	5/11/2007	3:42:54 PM	8.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	15	3	0	37	
C4024 303C2	126195	JLW1061	249011	0	22	5/11/2007	3:44:18 PM	9.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	16	3	0	42	
C4024 303C2	126195	JLW1061	249011	0	23	5/11/2007	3:45:38 PM	6.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	17	3	0	28	
C4024 303C2	126195	JLW1061	249011	0	24	5/11/2007	3:46:58 PM	8.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	18	3	0	37	
C4024 303C2	126195	JLW1061	249011	0	25	5/11/2007	3:48:26 PM	5.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	19	3	0	23	
C4024 303C2	126195	JLW1061	249011	0	26	5/11/2007	3:49:46 PM	7.00E+00	60	i	0	47	C4024	303C2	PA1A1	A03FA	A1	20	3	0	32	
C4024 303C2	126195	JLW1061	249011	0	27	5/11/2007	4:08:06 PM	1.10E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	1	3	0	51	
C4024 303C2	126195	JLW1061	249011	0	28	5/11/2007	4:09:48 PM	1.90E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	2	3	0	88	
C4024 303C2	126195	JLW1061	249011	0	29	5/11/2007	4:11:04 PM	2.60E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	3	3	0	120	
C4024 303C2	126195	JLW1061	249011	0	30	5/11/2007	4:12:36 PM	2.00E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	4	3	0	92	
C4024 303C2	126195	JLW1061	249011	0	31	5/11/2007	4:14:10 PM	4.00E+00	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	5	3	0	18	
C4024 303C2	126195	JLW1061	249011	0	32	5/11/2007	4:16:30 PM	2.80E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	6	3	0	129	
C4024 303C2	126195	JLW1061	249011	0	33	5/11/2007	4:18:20 PM	1.70E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	7	3	0	79	
C4024 303C2	126195	JLW1061	249011	0	34	5/11/2007	4:19:34 PM	2.10E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	8	3	0	97	
C4024 303C2	126195	JLW1061	249011	0	35	5/11/2007	4:22:06 PM	1.70E+01	60	i	0	47	C4024	303C2	FL2C1	A03FA	S8	9	3	0	79	
C4024 303C2	126195	JLW1061	249011	0	36	5/11/2007	4:51:26 PM	2.20E+01	60	i	0	47	C4024	303C2	FL1C1	A03FA	S5	1	3	0	102	
C4024 303C2	126195	JLW1061	249011	0	37	5/11/2007	4:52:42 PM	3.60E+01	60	i	0	47	C4024	303C2	FL1C1	A03FA	S5	2	3	0	166	

Measurement Database Download Report

Direct Alpha Measurements

5/14/2007

Page 3 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	4 pi Alpha Efficiency	Active Area (cm2)												
DL051107-001	2	JLM3848	5/11/2007	4:08 PM	C4024 303C2	43-90	249011	0.173	125												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Gross Alpha (dpm/100cm2)
C4024 303C2	126195	JLW1061	249011	0	38	5/11/2007	4:54:02 PM	1.20E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	3	3	0	55
C4024 303C2	126195	JLW1061	249011	0	39	5/11/2007	4:55:20 PM	1.90E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	4	3	0	88
C4024 303C2	126195	JLW1061	249011	0	40	5/11/2007	4:56:34 PM	2.70E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	5	3	0	125
C4024 303C2	126195	JLW1061	249011	0	41	5/11/2007	4:57:44 PM	6.00E+00	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	6	3	0	28
C4024 303C2	126195	JLW1061	249011	0	42	5/11/2007	4:59:10 PM	2.70E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	7	3	0	125
C4024 303C2	126195	JLW1061	249011	0	43	5/11/2007	5:00:28 PM	3.60E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	8	3	0	166
C4024 303C2	126195	JLW1061	249011	0	44	5/11/2007	5:02:04 PM	3.00E+01	60	1	0	47	C4024	303C2	FL1C1	A03FA	S5	9	3	0	139
C4024 303C2	126195	JLW1061	249011	0	45	5/11/2007	5:03:58 PM	2.00E+00	60	1	0	47	C4024	303C2	FL1C1	A03GA	S5	1	3	0	9
C4024 303C2	126195	JLW1061	249011	0	46	5/11/2007	5:05:04 PM	2.00E+00	60	1	0	47	C4024	303C2	FL1C1	A03GA	S5	2	3	0	9
C4024 303C2	126195	JLW1061	249011	0	47	5/11/2007	5:06:18 PM	5.00E+00	60	1	0	47	C4024	303C2	FL1C1	A03GA	S5	2	3	0	23
FS440 DRT02	126195	JLW1061	249011	0	48	5/11/2007	5:21:04 PM	2.80E+01	600	1	0	47	FS440	DRT02	FL1C1	A03CA	LAB01	1	3	0	13
FS440 DRT02	126195	JLW1061	249011	0	49	5/11/2007	5:24:30 PM	3.05E+03	60	1	0	47	FS440	DRT02	FL1C1	A03DA	LAB01	1	3	0	14095
FS440 DRT02	126195	JLW1061	249011	0	50	5/11/2007	5:26:00 PM	3.15E+03	60	1	0	47	FS440	DRT02	FL1C1	A03DA	LAB01	2	3	0	14571
FS440 DRT02	126195	JLW1061	249011	0	51	5/11/2007	5:27:40 PM	3.03E+03	60	1	0	47	FS440	DRT02	FL1C1	A03DA	LAB01	3	3	0	13988

Reviewed By:

Date:

5-15-07

Approved By:

Date:

5/15/07

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-5 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Section 4.0
Measurement Results – Exposure Rate Measurements
7 Pages

Measurement Database Download Report Exposure Rate Measurements

4/18/2007

Page 1 of 3

Download ID		Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor												
DL041807-002		1	JLW1061	4/18/2007	11:11 AM	C4024 303C1	44-10	162404	5.36E+10												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
EZ259 DRT01	98638	JLW1061	162404	0	0	4/18/2007	9:08:44 AM	1.09E+05	600	1	0	20	CS113	DRT01	PA1	G01AA	LAB01	1	0	1.22E+01	0
EZ259 DRT01	98638	JLW1061	162404	0	1	4/18/2007	9:11:48 AM	6.23E+05	30	1	0	20	CS113	DRT01	PA1	G01BA	LAB01	1	0	1.39E+03	0
EZ259 DRT01	98638	JLW1061	162404	0	2	4/18/2007	9:13:56 AM	2.85E+04	30	1	0	20	CS113	DRT01	PA1	G01BA	LAB01	2	0	6.38E+01	0
EZ259 DRT01	98638	JLW1061	162404	0	3	4/18/2007	9:15:46 AM	1.61E+04	30	1	0	20	CS113	DRT01	PA1	G01BA	LAB01	3	0	3.60E+01	0
C4024 303C1	98638	JLW1061	162404	3	4	4/18/2007	9:25:04 AM	2.53E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL1	1	0	1.42E+01	0
C4024 303C1	98638	JLW1061	162404	3	5	4/18/2007	9:26:40 AM	2.65E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL2	2	0	1.48E+01	0
C4024 303C1	98638	JLW1061	162404	3	6	4/18/2007	9:28:02 AM	2.98E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL3	3	0	1.67E+01	0
C4024 303C1	98638	JLW1061	162404	3	7	4/18/2007	9:29:18 AM	2.80E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL4	4	0	1.57E+01	0
C4024 303C1	98638	JLW1061	162404	3	8	4/18/2007	9:30:22 AM	2.42E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL5	5	0	1.35E+01	0
C4024 303C1	98638	JLW1061	162404	3	9	4/18/2007	9:31:30 AM	2.31E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL6	6	0	1.29E+01	0
C4024 303C1	98638	JLW1061	162404	3	10	4/18/2007	9:32:44 AM	2.35E+03	12	1	0	20	C4024	303C1	FL1C2	G01FA	FL7	7	0	1.31E+01	0
C4024 303C1	98638	JLW1061	162404	3	11	4/18/2007	9:34:16 AM	2.38E+03	12	1	0	20	C4024	303C1	FL1C1	G01FA	FL8	8	0	1.33E+01	0
C4024 303C1	98638	JLW1061	162404	3	12	4/18/2007	9:37:16 AM	2.74E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA1	1	0	1.53E+01	0
C4024 303C1	98638	JLW1061	162404	3	13	4/18/2007	9:38:26 AM	3.02E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA2	2	0	1.69E+01	0
C4024 303C1	98638	JLW1061	162404	3	14	4/18/2007	9:39:34 AM	3.09E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA3	3	0	1.73E+01	0
C4024 303C1	98638	JLW1061	162404	3	15	4/18/2007	9:40:36 AM	3.25E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA4	4	0	1.82E+01	0
C4024 303C1	98638	JLW1061	162404	3	16	4/18/2007	9:41:38 AM	3.04E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA5	5	0	1.70E+01	0
C4024 303C1	98638	JLW1061	162404	3	17	4/18/2007	9:42:44 AM	2.95E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA6	6	0	1.65E+01	0
C4024 303C1	98638	JLW1061	162404	3	18	4/18/2007	9:44:48 AM	2.74E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA7	7	0	1.53E+01	0
C4024 303C1	98638	JLW1061	162404	3	19	4/18/2007	9:46:08 AM	2.46E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA8	8	0	1.38E+01	0
C4024 303C1	98638	JLW1061	162404	3	20	4/18/2007	9:47:24 AM	2.61E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA9	9	0	1.46E+01	0
C4024 303C1	98638	JLW1061	162404	3	21	4/18/2007	9:48:26 AM	2.84E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PA10	10	0	1.59E+01	0
C4024 303C1	98638	JLW1061	162404	3	22	4/18/2007	9:51:26 AM	2.41E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL1	1	0	1.35E+01	0
C4024 303C1	98638	JLW1061	162404	3	23	4/18/2007	9:52:28 AM	2.65E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	2	0	1.48E+01	0
C4024 303C1	98638	JLW1061	162404	3	24	4/18/2007	9:53:06 AM	2.68E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	3	0	1.50E+01	0
C4024 303C1	98638	JLW1061	162404	3	25	4/18/2007	9:53:38 AM	2.72E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	4	0	1.52E+01	0

Measurement Database Download Report
Exposure Rate Measurements

4/18/2007

Page 2 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor
DL041807-002	1	JLW1061	4/18/2007	11:11 AM	C4024 303C1	44-10	162404	5.36E+10

Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
C4024 303C1	98638	JLW1061	162404	3	26	4/18/2007	9:54:12 AM	2.53E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	5		0	1.42E+01
C4024 303C1	98638	JLW1061	162404	3	27	4/18/2007	9:54:48 AM	1.86E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	6		0	1.04E+01
C4024 303C1	98638	JLW1061	162404	3	28	4/18/2007	9:55:32 AM	2.27E+03	12	1	0	20	C4024	303C1	FL1C2	G02FA	FL2	7		0	1.27E+01
C4024 303C1	98638	JLW1061	162404	3	29	4/18/2007	9:56:18 AM	2.35E+03	12	1	0	20	C4024	303C1	FL1C1	G02FA	FL2	8		0	1.32E+01
C4024 303C1	98638	JLW1061	162404	3	30	4/18/2007	9:58:20 AM	2.43E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA1	1		0	1.36E+01
C4024 303C1	98638	JLW1061	162404	3	31	4/18/2007	9:59:36 AM	3.06E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA2	2		0	1.71E+01
C4024 303C1	98638	JLW1061	162404	3	32	4/18/2007	10:00:10 AM	3.08E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA3	3		0	1.72E+01
C4024 303C1	98638	JLW1061	162404	3	33	4/18/2007	10:00:52 AM	3.12E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA4	4		0	1.74E+01
C4024 303C1	98638	JLW1061	162404	3	34	4/18/2007	10:01:30 AM	3.05E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA5	5		0	1.70E+01
C4024 303C1	98638	JLW1061	162404	3	35	4/18/2007	10:02:12 AM	2.59E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA6	6		0	1.45E+01
C4024 303C1	98638	JLW1061	162404	3	36	4/18/2007	10:03:06 AM	2.65E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA7	7		0	1.48E+01
C4024 303C1	98638	JLW1061	162404	3	37	4/18/2007	10:03:58 AM	2.39E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA8	8		0	1.33E+01
C4024 303C1	98638	JLW1061	162404	3	38	4/18/2007	10:04:48 AM	2.59E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA9	9		0	1.45E+01
C4024 303C1	98638	JLW1061	162404	3	39	4/18/2007	10:05:40 AM	2.82E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PA10	10		0	1.58E+01
C4024 303C1	98638	JLW1061	162404	3	40	4/18/2007	10:15:58 AM	2.70E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PAWT1	1		0	1.51E+01
C4024 303C1	98638	JLW1061	162404	3	41	4/18/2007	10:17:18 AM	2.87E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PAWT2	2		0	1.60E+01
C4024 303C1	98638	JLW1061	162404	3	42	4/18/2007	10:18:36 AM	2.83E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PAWT3	3		0	1.58E+01
C4024 303C1	98638	JLW1061	162404	3	43	4/18/2007	10:19:46 AM	2.77E+03	12	1	0	20	C4024	303C1	PA1A1	G01FA	PAWT4	4		0	1.55E+01
C4024 303C1	98638	JLW1061	162404	3	44	4/18/2007	10:21:24 AM	2.62E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PAWT1	1		0	1.46E+01
C4024 303C1	98638	JLW1061	162404	3	45	4/18/2007	10:22:14 AM	2.52E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PAWT2	2		0	1.41E+01
C4024 303C1	98638	JLW1061	162404	3	46	4/18/2007	10:23:16 AM	2.59E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PAWT3	3		0	1.45E+01
C4024 303C1	98638	JLW1061	162404	3	47	4/18/2007	10:24:08 AM	2.52E+03	12	1	0	20	C4024	303C1	PA1A1	G02FA	PAWT4	4		0	1.41E+01

Measurement Database Download Report
Exposure Rate Measurements

4/18/2007

Page 3 of 3

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor
DL041807-002	1	JLW1061	4/18/2007	11:11 AM	C4024 303C1	44-10	162404	5.36E+10

Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
EZ259 DRT02	98638	JLW1061	162404	3	48	4/18/2007	10:40:52 AM	1.15E+05	600	1	0	20	CS313	DRT02	PA1	G01CA	LAB01	1		0	1.29E+01
CS313 DRT02	98638	JLW1061	162404	0	49	4/18/2007	10:46:24 AM	6.06E+05	30	1	0	20	CS313	DRT02	PA1	G01DA	LAB01	1		0	1.36E+03
CS313 DRT02	98638	JLW1061	162404	0	50	4/18/2007	11:07:34 AM	3.10E+04	30	1	0	20	CS313	DRT02	PA1	G01DA	LAB01	2		0	6.93E+01
CS313 DRT02	98638	JLW1061	162404	0	52	4/18/2007	11:10:26 AM	1.58E+04	30	1	0	20	CS313	DRT02	PA1	G01DA	LAB01	3		0	3.54E+01

Reviewed By: Joe Hardy Date: 4-18-07 Approved By: D. M. Hardy Date: 4/19/07

Measurement Database Download Report
Exposure Rate Measurements

5/13/2007

Page 1 of 4

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor													
DL051107-002	2	JLM3848	5/11/2007	4:18 PM	C4024 303C2	44-10	162404	5.36E+10													
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
CS313 DRT01	95359	JEJ5742	162404	0	0	5/11/2007	8:18:00 AM	1.06E+05	600	1	0	48	CS313	DRT01	PA1A1	G01AA	LAB01	1	0	1.19E+01	
CS313 DRT01	95359	JEJ5742	162404	0	1	5/11/2007	8:48:30 AM	5.74E+05	30	1	0	48	CS313	DRT01	PA1A1	G01BA	LAB01	1	0	1.28E+03	
CS313 DRT01	95359	JEJ5742	162404	0	2	5/11/2007	8:50:54 AM	2.89E+04	30	1	0	48	CS313	DRT01	PA1A1	G01BA	LAB01	2	0	6.47E+01	
CS313 DRT01	95359	JEJ5742	162404	0	3	5/11/2007	8:54:36 AM	1.71E+04	30	1	0	48	CS313	DRT01	PA1A1	G01BA	LAB01	3	0	3.83E+01	
C4024 303C2	95359	JEJ5742	162404	0	4	5/11/2007	11:58:16 AM	2.79E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	1	0	1.56E+01	
C4024 303C2	95359	JEJ5742	162404	0	5	5/11/2007	11:58:50 AM	2.66E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	1	0	1.49E+01	
C4024 303C2	95359	JEJ5742	162404	0	6	5/11/2007	12:04:26 PM	2.90E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	2	0	1.62E+01	
C4024 303C2	95359	JEJ5742	162404	0	7	5/11/2007	12:04:50 PM	2.90E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	2	0	1.62E+01	
C4024 303C2	95359	JEJ5742	162404	0	8	5/11/2007	12:05:20 PM	2.91E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	3	0	1.63E+01	
C4024 303C2	95359	JEJ5742	162404	0	9	5/11/2007	12:05:44 PM	2.88E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	3	0	1.61E+01	
C4024 303C2	95359	JEJ5742	162404	0	10	5/11/2007	12:06:18 PM	2.93E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	4	0	1.64E+01	
C4024 303C2	95359	JEJ5742	162404	0	11	5/11/2007	12:06:42 PM	2.81E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	4	0	1.57E+01	
C4024 303C2	95359	JEJ5742	162404	0	12	5/11/2007	12:07:16 PM	2.83E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	5	0	1.59E+01	
C4024 303C2	95359	JEJ5742	162404	0	13	5/11/2007	12:07:38 PM	2.66E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	5	0	1.49E+01	
C4024 303C2	95359	JEJ5742	162404	0	14	5/11/2007	12:08:08 PM	2.75E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	6	0	1.54E+01	
C4024 303C2	95359	JEJ5742	162404	0	15	5/11/2007	12:08:30 PM	2.69E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	6	0	1.50E+01	
C4024 303C2	95359	JEJ5742	162404	0	16	5/11/2007	12:09:00 PM	2.79E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	7	0	1.56E+01	
C4024 303C2	95359	JEJ5742	162404	0	17	5/11/2007	12:09:32 PM	2.83E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	7	0	1.58E+01	
C4024 303C2	95359	JEJ5742	162404	0	18	5/11/2007	12:10:08 PM	2.90E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	8	0	1.62E+01	
C4024 303C2	95359	JEJ5742	162404	0	19	5/11/2007	12:10:32 PM	2.81E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	8	0	1.57E+01	
C4024 303C2	95359	JEJ5742	162404	0	20	5/11/2007	12:11:02 PM	2.83E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	9	0	1.58E+01	
C4024 303C2	95359	JEJ5742	162404	0	21	5/11/2007	12:11:24 PM	2.71E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	9	0	1.52E+01	
C4024 303C2	95359	JEJ5742	162404	0	22	5/11/2007	12:12:00 PM	2.75E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	10	0	1.54E+01	
C4024 303C2	95359	JEJ5742	162404	0	23	5/11/2007	12:12:22 PM	2.73E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	10	0	1.53E+01	
C4024 303C2	95359	JEJ5742	162404	0	24	5/11/2007	12:12:50 PM	2.74E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	11	0	1.53E+01	
C4024 303C2	95359	JEJ5742	162404	0	25	5/11/2007	12:13:14 PM	2.57E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	11	0	1.44E+01	

Measurement Database Download Report Exposure Rate Measurements

5/13/2007

Page 2 of 4

Download ID		Station Number	User ID	Detector Serial Number	Setup Number	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor										
DL051107-002		2	JLM3848	5/11/2007	4:18 PM	C4024 303C2	44-10	162404	5.36E+10												
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location	Exposure Rate uR/hr
C4024 303C2	95359	JE15742	162404	0	26	5/11/2007	12:13:44 PM	2.45E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	12	0	1.37E+01	
C4024 303C2	95359	JE15742	162404	0	27	5/11/2007	12:14:24 PM	2.36E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	12	0	1.32E+01	
C4024 303C2	95359	JE15742	162404	0	28	5/11/2007	12:15:02 PM	2.72E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	13	0	1.52E+01	
C4024 303C2	95359	JE15742	162404	0	29	5/11/2007	12:15:26 PM	2.81E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	13	0	1.57E+01	
C4024 303C2	95359	JE15742	162404	0	30	5/11/2007	12:16:06 PM	2.76E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	14	0	1.55E+01	
C4024 303C2	95359	JE15742	162404	0	31	5/11/2007	12:16:30 PM	2.59E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	14	0	1.45E+01	
C4024 303C2	95359	JE15742	162404	0	32	5/11/2007	12:17:08 PM	2.72E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	15	0	1.52E+01	
C4024 303C2	95359	JE15742	162404	0	33	5/11/2007	12:17:34 PM	2.73E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	15	0	1.53E+01	
C4024 303C2	95359	JE15742	162404	0	34	5/11/2007	12:18:02 PM	2.75E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	16	0	1.54E+01	
C4024 303C2	95359	JE15742	162404	0	35	5/11/2007	12:18:36 PM	2.70E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	16	0	1.51E+01	
C4024 303C2	95359	JE15742	162404	0	36	5/11/2007	12:19:18 PM	2.71E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	17	0	1.52E+01	
C4024 303C2	95359	JE15742	162404	0	37	5/11/2007	12:19:40 PM	2.65E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	17	0	1.48E+01	
C4024 303C2	95359	JE15742	162404	0	38	5/11/2007	12:20:08 PM	2.76E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	18	0	1.54E+01	
C4024 303C2	95359	JE15742	162404	0	39	5/11/2007	12:20:30 PM	2.78E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	18	0	1.56E+01	
C4024 303C2	95359	JE15742	162404	0	40	5/11/2007	12:21:08 PM	2.48E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	19	0	1.39E+01	
C4024 303C2	95359	JE15742	162404	0	41	5/11/2007	12:21:32 PM	2.47E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	19	0	1.38E+01	
C4024 303C2	95359	JE15742	162404	0	42	5/11/2007	12:21:58 PM	2.48E+03	12	1	0	48	C4024	303C2	PA1A1	G01FA	PA1	20	0	1.38E+01	
C4024 303C2	95359	JE15742	162404	0	43	5/11/2007	12:22:22 PM	2.46E+03	12	1	0	48	C4024	303C2	PA1A1	G02FA	PA1	20	0	1.38E+01	
C4024 303C2	95359	JE15742	162404	0	44	5/11/2007	12:57:04 PM	2.18E+03	12	1	0	48	C4024	303C2	FL2C1	G01FA	S8	1	0	1.22E+01	
C4024 303C2	95359	JE15742	162404	0	45	5/11/2007	12:57:28 PM	1.96E+03	12	1	0	48	C4024	303C2	FL2C1	G02FA	S8	1	0	1.09E+01	
C4024 303C2	95359	JE15742	162404	0	46	5/11/2007	12:58:00 PM	2.12E+03	12	1	0	48	C4024	303C2	FL2C1	G01FA	S8	2	0	1.18E+01	
C4024 303C2	95359	JE15742	162404	0	47	5/11/2007	12:58:24 PM	1.97E+03	12	1	0	48	C4024	303C2	FL2C1	G02FA	S8	2	0	1.10E+01	
C4024 303C2	95359	JE15742	162404	0	48	5/11/2007	12:59:48 PM	2.15E+03	12	1	0	48	C4024	303C2	FL2C1	G01FA	S8	3	0	1.20E+01	
C4024 303C2	95359	JE15742	162404	0	49	5/11/2007	1:01:04 PM	2.24E+03	12	1	0	48	C4024	303C2	FL2C1	G02FA	S8	3	0	1.25E+01	
C4024 303C2	95359	JE15742	162404	0	50	5/11/2007	1:01:30 PM	2.10E+03	12	1	0	48	C4024	303C2	FL2C1	G01FA	S8	4	0	1.18E+01	
C4024 303C2	95359	JE15742	162404	0	51	5/11/2007	1:02:32 PM	2.06E+03	12	1	0	48	C4024	303C2	FL2C1	G02FA	S8	4	0	1.15E+01	

Measurement Database Download Report
Exposure Rate Measurements

5/13/2007

Page 3 of 4

Download ID	Station Number	User ID	Download Date	Download Time	Survey Package ID	Detector Model Number	Detector Serial Number	Gamma Cal Factor													
DL051107-002	2	JLM3848	5/11/2007	4:18 PM	C4024 303C2	44-10	162404	5.36E+10													
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
C4024 303C2	95359	JEJ5742	162404	0	52	5/11/2007	1:03:08 PM	2.30E+03	12	i	0	48	C4024	303C2	FL2C1	G01FA	S8	5		0	1.29E+01
C4024 303C2	95359	JEJ5742	162404	0	53	5/11/2007	1:03:32 PM	2.22E+03	12	i	0	48	C4024	303C2	FL2C1	G02FA	S8	5		0	1.24E+01
C4024 303C2	95359	JEJ5742	162404	0	54	5/11/2007	1:04:20 PM	2.25E+03	12	i	0	48	C4024	303C2	FL2C1	G01FA	S8	6		0	1.26E+01
C4024 303C2	95359	JEJ5742	162404	0	55	5/11/2007	1:04:52 PM	2.36E+03	12	i	0	48	C4024	303C2	FL2C1	G02FA	S8	6		0	1.32E+01
C4024 303C2	95359	JEJ5742	162404	0	56	5/11/2007	1:05:52 PM	2.34E+03	12	i	0	48	C4024	303C2	FL2C1	G01FA	S8	7		0	1.31E+01
C4024 303C2	95359	JEJ5742	162404	0	57	5/11/2007	1:06:22 PM	2.33E+03	12	i	0	48	C4024	303C2	FL2C1	G02FA	S8	7		0	1.30E+01
C4024 303C2	95359	JEJ5742	162404	0	58	5/11/2007	1:06:54 PM	2.32E+03	12	i	0	48	C4024	303C2	FL2C1	G01FA	S8	8		0	1.30E+01
C4024 303C2	95359	JEJ5742	162404	0	59	5/11/2007	1:07:16 PM	2.26E+03	12	i	0	48	C4024	303C2	FL2C1	G02FA	S8	8		0	1.26E+01
C4024 303C2	95359	JEJ5742	162404	0	60	5/11/2007	1:07:50 PM	2.27E+03	12	i	0	48	C4024	303C2	FL2C1	G01FA	S8	9		0	1.27E+01
C4024 303C2	95359	JEJ5742	162404	0	61	5/11/2007	1:08:14 PM	2.23E+03	12	i	0	48	C4024	303C2	FL2C1	G02FA	S8	9		0	1.25E+01
C4024 303C2	95359	JEJ5742	162404	0	62	5/11/2007	1:34:04 PM	2.58E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	1		0	1.44E+01
C4024 303C2	95359	JEJ5742	162404	0	63	5/11/2007	1:34:30 PM	2.60E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	1		0	1.45E+01
C4024 303C2	95359	JEJ5742	162404	0	64	5/11/2007	1:34:56 PM	2.51E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	2		0	1.40E+01
C4024 303C2	95359	JEJ5742	162404	0	65	5/11/2007	1:35:20 PM	2.57E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	2		0	1.44E+01
C4024 303C2	95359	JEJ5742	162404	0	66	5/11/2007	1:35:48 PM	2.45E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	3		0	1.37E+01
C4024 303C2	95359	JEJ5742	162404	0	67	5/11/2007	1:36:10 PM	2.71E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	3		0	1.52E+01
C4024 303C2	95359	JEJ5742	162404	0	68	5/11/2007	1:36:42 PM	2.40E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	4		0	1.34E+01
C4024 303C2	95359	JEJ5742	162404	0	69	5/11/2007	1:37:06 PM	2.54E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	4		0	1.42E+01
C4024 303C2	95359	JEJ5742	162404	0	70	5/11/2007	1:37:36 PM	2.45E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	5		0	1.37E+01
C4024 303C2	95359	JEJ5742	162404	0	71	5/11/2007	1:37:58 PM	2.56E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	5		0	1.43E+01
C4024 303C2	95359	JEJ5742	162404	0	72	5/11/2007	1:38:26 PM	2.47E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	6		0	1.38E+01
C4024 303C2	95359	JEJ5742	162404	0	73	5/11/2007	1:38:52 PM	2.51E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	6		0	1.41E+01
C4024 303C2	95359	JEJ5742	162404	0	74	5/11/2007	1:39:16 PM	2.42E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	7		0	1.35E+01
C4024 303C2	95359	JEJ5742	162404	0	75	5/11/2007	1:39:38 PM	2.49E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	7		0	1.39E+01
C4024 303C2	95359	JEJ5742	162404	0	76	5/11/2007	1:40:10 PM	2.48E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	8		0	1.39E+01
C4024 303C2	95359	JEJ5742	162404	0	77	5/11/2007	1:40:36 PM	2.53E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	8		0	1.42E+01

Measurement Database Download Report
Exposure Rate Measurements

5/13/2007

Page 4 of 4

Download ID		Station Number	User ID	Download Date		Download Time		Survey Package ID		Detector Model Number		Detector Serial Number		Gamma Cal Factor							
DL051107-002		2	JLM3848	5/11/2007		4:18 PM		C4024 303C2		44-10		162404		5.36E+10							
Package ID	M2350 Serial Number	User ID	Detector Serial Number	Detector Setup Number	Sample No	Date	Time	Logged Count	Count Time (secs)	Logging Mode	Window On/Off	Scaler Alarm	LC1	LC2	LC3	LC4	LC5	LC6	L7	Measurement Location Number	Exposure Rate uR/hr
C4024 303C2	95359	JEJ5742	162404	0	78	5/11/2007	1:41:00 PM	2.56E+03	12	i	0	48	C4024	303C2	FL1C1	G01FA	S5	9		0	1.43E+01
C4024 303C2	95359	JEJ5742	162404	0	79	5/11/2007	1:41:28 PM	2.50E+03	12	i	0	48	C4024	303C2	FL1C1	G02FA	S5	9		0	1.40E+01
CS313 DRT02	95359	JEJ5742	162404	0	80	5/11/2007	2:05:46 PM	1.15E+05	600	i	0	48	CS313	DRT02	FL1C1	G01CA	LAB01	1		0	1.29E+01
CS313 DRT02	95359	JEJ5742	162404	0	81	5/11/2007	2:09:08 PM	5.85E+05	30	i	0	48	CS313	DRT02	FL1C1	G01DA	LAB01	1		0	1.31E+03
CS313 DRT02	95359	JEJ5742	162404	0	82	5/11/2007	2:11:04 PM	2.80E+04	30	i	0	48	CS313	DRT02	FL1C1	G01DA	LAB01	2		0	6.27E+01
CS313 DRT02	95359	JEJ5742	162404	0	83	5/11/2007	2:12:28 PM	1.74E+04	30	i	0	48	CS313	DRT02	FL1C1	G01DA	LAB01	3		0	3.89E+01

Reviewed By: Joe Long Date: 5-14-07 Approved By: JLM M. DeBru Date: 5/14/07

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-6 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Section 5.0
Sample Analysis Results – Alpha/Beta Counter
10 Pages

Removable Contamination Results

Survey Package ID: C4024 303C1 Collection Date: 4/18/07 Time: 1030

L3 Code: FL1C1 Technician: J. Johnson

Instrument Model No: Ludlum Model 2929 **Serial No:** 118419

beta

alpha

bkg count time (min) = 20 bkg cpm = 36

bkg count time (min) = 20 bkg cpm = 0.3

sample count time (min) = 1.5 eff. beta = 0.241

sample count time (min) = 1.5 eff. alpha= 0.294

[illegible]

Upload Filename: C4024-303C9 FL 2 Upload Date: 4/18/07 Time: 1330

Sample Database ID: 041807-001 Technician: J. Johnson

DATA M2929 SN 118419

SN	PROGRAM_NAME	SAMPLE_ID	DATE	TIME	BG Count Time (min)	Sample (min) Count Time	Alpha gross cts	Alpha BKG CPM	Alpha EFF DPM	Alpha MDC	Beta gross cts	Beta BKG CPM	Beta EFF	Beta DPM	Beta MDC	
1	ALPHA/BETA SMEARS	FL1-1	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	45	36	0.24	-24.90	76.84
2	ALPHA/BETA SMEARS	FL1-2	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	50	36	0.24	-11.07	76.84
3	ALPHA/BETA SMEARS	FL1-3	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	61	36	0.24	19.36	76.84
4	ALPHA/BETA SMEARS	FL1-4	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	48	36	0.24	-16.60	76.84
5	ALPHA/BETA SMEARS	FL1-5	4/18/2007	10:30:00 AM	20	1.5	2	0.3	0.29	3.51	11.33	47	36	0.24	-19.36	76.84
6	ALPHA/BETA SMEARS	FL1-6	4/18/2007	10:30:00 AM	20	1.5	2	0.3	0.29	3.51	11.33	49	36	0.24	-13.83	76.84
7	ALPHA/BETA SMEARS	FL1-7	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	65	36	0.24	30.43	76.84
8	ALPHA/BETA SMEARS	FL1-8	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	61	36	0.24	19.36	76.84

041807-01

P2053
P406164

Removable Contamination Results

Survey Package ID: C4024 303C1 Collection Date: 4/18/07 Time: 1030

L3 Code: PA1A1 Technician: J Johnson

Instrument Model No: Ludlum Model 2929 **Serial No:** 118419

beta

alpha

bkg count time (min) = 20 bkg cpm = 36 | bkg count time (min) = 20 bkg cpm = .3

sample count time (min) = 1.5 eff. beta= 0.241 sample count time (min) = 1.5 eff. alpha= 0.294

[illegible]

Upload Filename: C4024-3U3C1 Upload Date: _____ Time: _____
Sample Database ID: 041807-002 Technician: J Tokinson

DATA M2929 SN 118419

SN	PROGRAM_NAME	SAMPLE_ID	DATE	TIME	BG Count Time (min)	Sample (min) Count Time	Alpha gross cts	Alpha BKG CPM	Alpha Alpha EFF DPM	Alpha MDC	Beta gross cts	Beta BKG CPM	Beta EFF	Beta DPM	Beta MDC	
1	ALPHA/BETA SMEARS	PA1	4/18/2007	10:30:00 AM	20	1.5	2	0.3	0.29	3.51	11.33	54	36	0.24	0.00	76.84
2	ALPHA/BETA SMEARS	PA2	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	49	36	0.24	-13.83	76.84
3	ALPHA/BETA SMEARS	PA3	4/18/2007	10:30:00 AM	20	1.5	2	0.3	0.29	3.51	11.33	50	36	0.24	-11.07	76.84
4	ALPHA/BETA SMEARS	PA4	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	44	36	0.24	-27.66	76.84
5	ALPHA/BETA SMEARS	PA5	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	53	36	0.24	-2.77	76.84
6	ALPHA/BETA SMEARS	PA6	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	60	36	0.24	16.60	76.84
7	ALPHA/BETA SMEARS	PA7	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	44	36	0.24	-27.66	76.84
8	ALPHA/BETA SMEARS	PA8	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	52	36	0.24	-5.53	76.84
9	ALPHA/BETA SMEARS	PA9	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	53	36	0.24	-2.77	76.84
10	ALPHA/BETA SMEARS	PA10	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	52	36	0.24	-5.53	76.84
11	ALPHA/BETA SMEARS	PAWT1	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	43	36	0.24	-30.43	76.84
12	ALPHA/BETA SMEARS	PAWT2	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	51	36	0.24	-8.30	76.84
13	ALPHA/BETA SMEARS	PAWT3	4/18/2007	10:30:00 AM	20	1.5	0	0.3	0.29	-1.02	11.33	45	36	0.24	-24.90	76.84
14	ALPHA/BETA SMEARS	PAWT4	4/18/2007	10:30:00 AM	20	1.5	1	0.3	0.29	1.25	11.33	51	36	0.24	-8.30	76.84

041807-02

2002
P 104 2

DATA M2929 SN 118419

SN	PROGRAM_NAME	SAMPLE_ID	DATE	TIME	BG Count Time (min)	Sample (min) Count Time	Alpha gross cts	Alpha BKG CPM	Alpha Alpha EFF DPM	Alpha MDC	Beta gross cts	Beta BKG CPM	Beta EFF	Beta DPM	Beta MDC	
1	ALPHA/BETA SMEARS	FL2-1	5/11/2007	1:23:00 PM	20	1.5	1	0.2	0.29	1.59	10.38	60	37	0.24	12.45	77.79
2	ALPHA/BETA SMEARS	FL2-2	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	53	37	0.24	-6.92	77.79
3	ALPHA/BETA SMEARS	FL2-3	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	46	37	0.24	-26.28	77.79
4	ALPHA/BETA SMEARS	FL2-4	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	41	37	0.24	-40.11	77.79
5	ALPHA/BETA SMEARS	FL2-5	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	39	37	0.24	-45.64	77.79
6	ALPHA/BETA SMEARS	FL2-6	5/11/2007	1:23:00 PM	20	1.5	2	0.2	0.29	3.85	10.38	54	37	0.24	-4.15	77.79
7	ALPHA/BETA SMEARS	FL2-7	5/11/2007	1:23:00 PM	20	1.5	1	0.2	0.29	1.59	10.38	57	37	0.24	4.15	77.79
8	ALPHA/BETA SMEARS	FL2-8	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	60	37	0.24	12.45	77.79
9	ALPHA/BETA SMEARS	FL2-9	5/11/2007	1:23:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	52	37	0.24	-9.68	77.79

Survey Package ID: C 4024-303C2 Collection Date: 5-11-07 Time: 1357
L3 Code: FL1C1 Technician: J. Selinsky
Instrument Model No: Ludlum Model 2929 Serial No: 118419

alpha

bkg count time (min) = 20 bkg cpm = .2

sample count time (min) = 1.5 eff. alpha= 0.294

[illegible]

Upload Filename: C4624303C2.FL/C1 Upload Date: 5/17/07 Time: 1545
Sample Database ID: CS051107-001 Technician: Jim M. Gilm

DATA M2929 SN 118419

SN	PROGRAM_NAME	SAMPLE_ID	DATE	TIME	BG Count Time (min)	Sample (min) Count Time	Alpha gross cts	Alpha BKG CPM	Alpha Alpha EFF DPM	Alpha MDC	Beta gross cts	Beta BKG CPM	Beta Beta EFF	Beta DPM	Beta MDC	
1	ALPHA/BETA SMEARS	FL1-1	5/11/2007	1:57:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	41	37	0.24	-40.11	77.79
2	ALPHA/BETA SMEARS	FL1-2	5/11/2007	1:57:00 PM	20	1.5	2	0.2	0.29	3.85	10.38	48	37	0.24	-20.75	77.79
3	ALPHA/BETA SMEARS	FL1-3	5/11/2007	1:57:00 PM	20	1.5	2	0.2	0.29	3.85	10.38	51	37	0.24	-12.45	77.79
4	ALPHA/BETA SMEARS	FL1-4	5/11/2007	1:57:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	59	37	0.24	9.68	77.79
5	ALPHA/BETA SMEARS	FL1-5	5/11/2007	1:57:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	49	37	0.24	-17.98	77.79
6	ALPHA/BETA SMEARS	FL1-6	5/11/2007	1:57:00 PM	20	1.5	2	0.2	0.29	3.85	10.38	49	37	0.24	-17.98	77.79
7	ALPHA/BETA SMEARS	FL1-7	5/11/2007	1:57:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	53	37	0.24	-6.92	77.79
8	ALPHA/BETA SMEARS	FL1-8	5/11/2007	1:57:00 PM	20	1.5	1	0.2	0.29	1.59	10.38	55	37	0.24	-1.38	77.79
9	ALPHA/BETA SMEARS	FL1-9	5/11/2007	1:57:00 PM	20	1.5	0	0.2	0.29	-0.68	10.38	43	37	0.24	-34.58	77.79

Survey Package ID: C4024-303CZ Collection Date: 5.11.07 Time: 1323

Instrument Model No: Ludlum Model 2929 **Serial No:** 118419

alpha

bkg count time (min) = 20 bkg cpm = 0.2

sample count time (min) = 1.5 eff. alpha= 0.294

Upload Filename: C4024363C2FL2C1 Upload Date: 5/13/17 Time: 1550
Sample Database ID: CS051107-002 Technician: Jm Chalmers

DATA M2929 SN 118419

SN	PROGRAM_NAME	SAMPLE_ID	DATE	TIME	BG Count		Alpha	Alpha BKG	Alpha	Alpha	Beta	Beta BKG	Beta EFF	Beta DPM	Beta MDC
					Time (min)	Count	gross cts	CPM	EFF	DPM	MDC	gross cts	CPM		
1	ALPHA/BETA SMEARS	PA1-1	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	59	37	0.24
2	ALPHA/BETA SMEARS	PA1-2	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	58	37	0.24
3	ALPHA/BETA SMEARS	PA1-3	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	48	37	0.24
4	ALPHA/BETA SMEARS	PA1-4	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	54	37	0.24
5	ALPHA/BETA SMEARS	PA1-5	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	54	37	0.24
6	ALPHA/BETA SMEARS	PA1-6	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	49	37	0.24
7	ALPHA/BETA SMEARS	PA1-7	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	44	37	0.24
8	ALPHA/BETA SMEARS	PA1-8	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	51	37	0.24
9	ALPHA/BETA SMEARS	PA1-9	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	50	37	0.24
10	ALPHA/BETA SMEARS	PA1-10	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	54	37	0.24
11	ALPHA/BETA SMEARS	PA1-11	5/11/2007	12:40:00 PM	20		1.5	2	0.2	0.29	3.85	10.38	48	37	0.24
12	ALPHA/BETA SMEARS	PA1-12	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	50	37	0.24
13	ALPHA/BETA SMEARS	PA1-13	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	52	37	0.24
14	ALPHA/BETA SMEARS	PA1-14	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	58	37	0.24
15	ALPHA/BETA SMEARS	PA1-15	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	49	37	0.24
16	ALPHA/BETA SMEARS	PA1-16	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	36	37	0.24
17	ALPHA/BETA SMEARS	PA1-17	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	64	37	0.24
18	ALPHA/BETA SMEARS	PA1-18	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	40	37	0.24
19	ALPHA/BETA SMEARS	PA1-19	5/11/2007	12:40:00 PM	20		1.5	0	0.2	0.29	-0.68	10.38	37	37	0.24
20	ALPHA/BETA SMEARS	PA1-20	5/11/2007	12:40:00 PM	20		1.5	1	0.2	0.29	1.59	10.38	37	37	0.24

Removable Contamination Results

Survey Package ID: C4024-303C2 Collection Date: 5-11-07 Time: 1240

L3 Code: PA1A1 Technician: J. Selinsky

Instrument Model No: Ludlum Model 2929 Serial No: 118419

beta

alpha

bkg count time (min) = 20 bkg cpm = 37

bkg count time (min) = 20 bkg cpm = .2

sample count time (min) = 1.5 eff. beta = 0.241

sample count time (min) = 1.5 eff. alpha = 0.294

SAMPLE_ID (L5 - L6 Code)	B (counts)	BDPM (calculated)	BMDC (calculated)	A (counts)	ADPM (calculated)	AMDC (calculated)
1	59	91		0		
2	58			0		
3	48			1		
4	54			1		
5	54			0		
6	49			1		
7	44			1		
8	51			1		
9	50			0		
10	54			0		
11	48			2		
12	50			1		
13	52			1		
14	58			0		
15	49			1		
16	36			0		
17	64			0		
18	40			1		
19	37			0		
20	37			1		

See Report

See Report

Upload Filename C4024303C2PA1A1 Upload Date: 5/13/07 Time: 13221555

Sample Database ID: C5051107-003 Technician: J. Selinsky

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CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-7 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 Package: Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

**Section 6.0
Sample Analysis Results – Gamma Spectroscopy
0 Pages**

**SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA**

4/14/2007

Page C-8 of 8

Survey Package Appendix C – Survey Results

Survey Package: C4024 303C1 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

Section 7.0
Sample Analysis Results – Alpha Spectroscopy
___ Pages

SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page A-1 of 4

Survey Package Appendix A – Drawings

Survey Package: C4024 303C2 **Package:** Structure
Survey Area Name: SETF, Building 4024
Survey Unit Name: Paved Yard Area and Slabs Remaining Around SETF

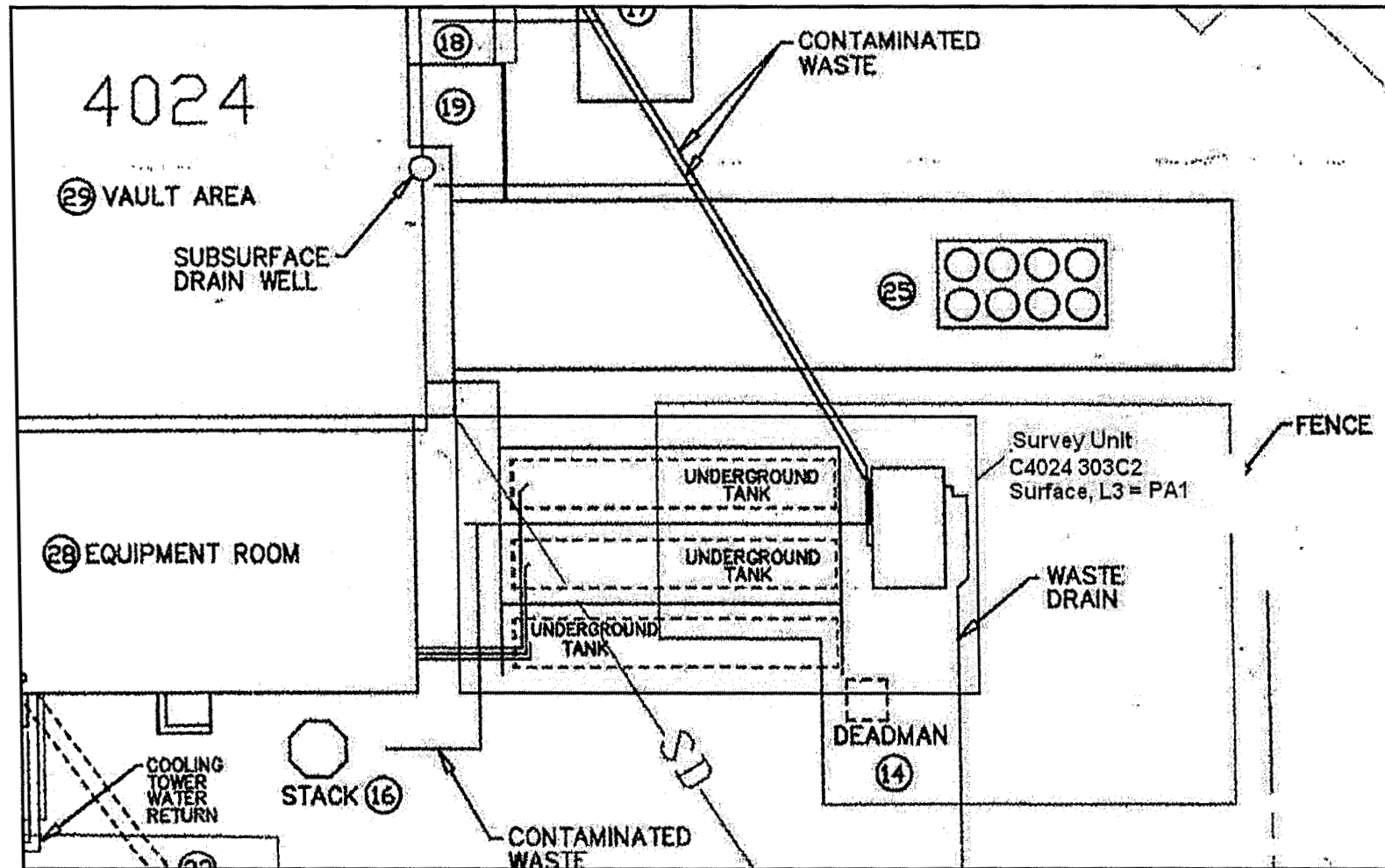
Survey Package Appendix A - Drawings

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5/10/2007

Page A-1 of 4

Survey Package Appendix A – Drawings

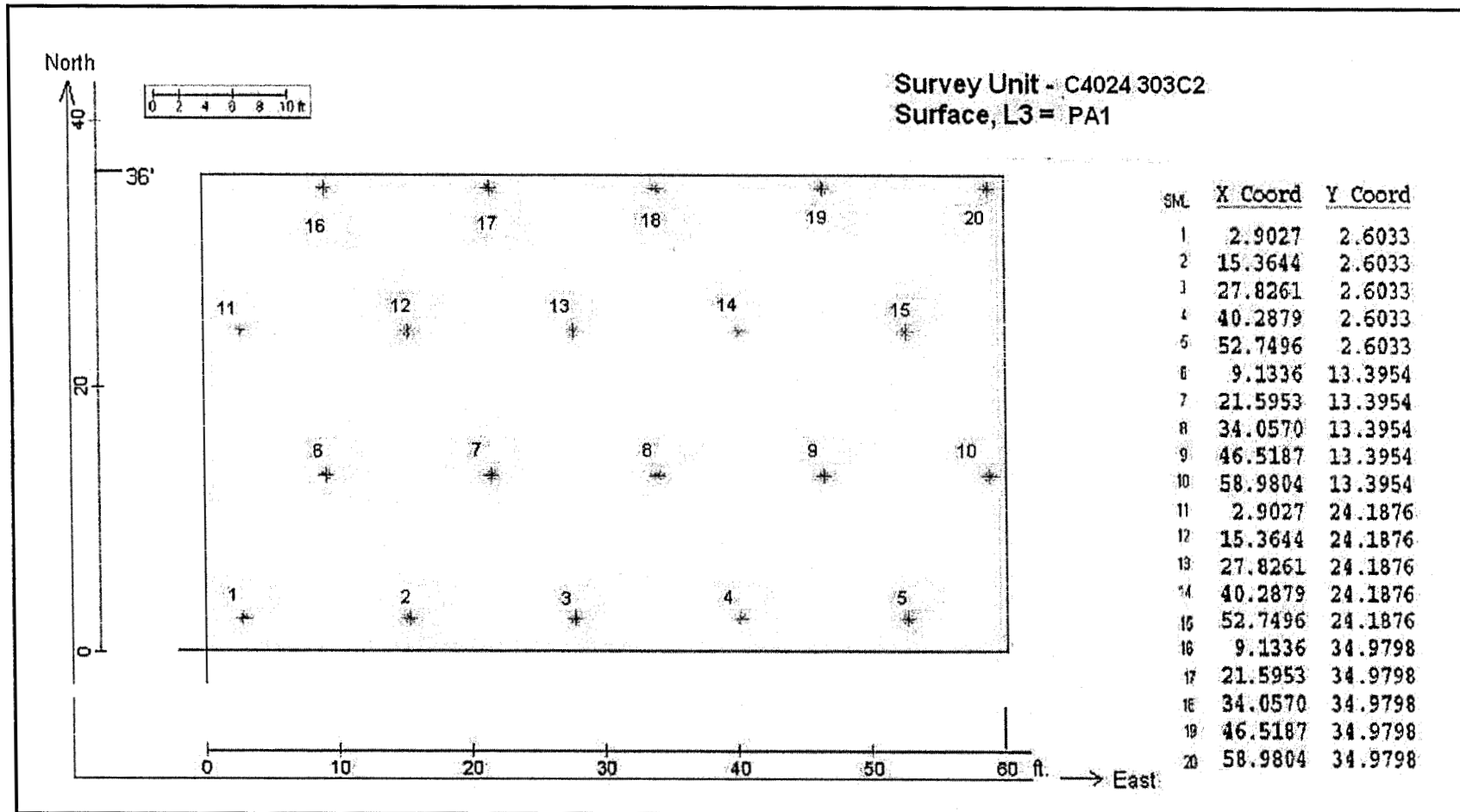


SNAP ENVIRONMENTAL TEST FACILITY D&D PROJECT
CANOGA PARK, CALIFORNIA

5/10/2007

Page A-2 of 4

Survey Package Appendix A – Drawings



Survey Package Appendix A – Drawings

