General Occurrence Reporting Training: DOE O 232.2A, Occurrence Reporting and Processing of Operations Information

Module 1

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8-24-17
Module Training 1 Objectives:


Audience:

- DOE federal and contract employees that are interested or involved in Occurrence Reporting and Processing System (ORPS) as part of their job function.
DOE O 232.2A Objectives

Order Objectives:

• To ensure that the DOE and National Nuclear Security Administration (NNSA) are informed about events that could adversely affect the health and safety of the public or the workers, the environment, DOE missions, or the credibility of the Department.
  ✓ Complex-wide Notification

• To promote organizational learning consistent with DOE’s Integrated Safety Management System goal of enhancing mission safety, and sharing effective practices to support continuous improvement and adaptation to change.
  ✓ Encourage Learning Organizations
Responsibilities are covered in DOE O 232.2A for the following:

- Secretarial Officers/Deputy Administrators (NNSA)
- Associate Under Secretary for Environment, Health, Safety and Security
- Office of Enterprise Assessments
- NNSA Associate Administrator of Emergency Operations
- Heads of Field Elements
- Facility Representatives or Designated DOE Representatives
- Facility Managers
- Contracting Officers
- Laboratory/M&O Contractors
ORPS Database

- ORPS Database link: https://orps.doe.gov
- ORPS is accessible only to authorized users with Personal Identify Verification (PIV)/PIV-1 badges.
- ORPS account holders must have a need-to-know to access the database.
- To request an ORPS account, complete an ORPS application located at: http://www.energy.gov/ehss/downloads/orps-user-registration-form
- ORPS general information is located at: http://energy.gov/ehss/policy-guidance-reports/reporting/occurrence-reporting-and-processing-system
- ORPS Training Modules 2 and 3 discuss ORPS Data Entry and Basic ORPS Searching in the ORPS Database.
ORPS Background

• The DOE-wide occurrence reporting requirements were introduced in 1990 and have been through 6 revisions. As of 1/1/17 there are over 61,000 occurrence reports in the ORPS database.

• DOE O 232.2A contains 5 Attachments:
  1. Contractor Requirements Document
  2. Occurrence Reporting Criteria
  3. Occurrence Report Preparation
  4. Occurrence Reporting Model
  5. Definitions
DOE O 232.2A can be accessed at: https://www.directives.doe.gov/directives-documents/200-series/0232.2-BOrder-A
• The DOE-wide occurrence reporting requirements were introduced in 1990.

• There were revisions to the ORPS process in 1993, 1995, 1997, 2003, and 2011. However, none of these revisions fundamentally changed the model on which ORPS was based.

• The most significant changes occurred in 2003 and 2017.
  – In 2003, a Comprehensive Complex-wide “Back-fit Analysis” was performed to validate effectiveness of changes to the ORPS model. There was ~ 25% reduction in overall reporting achieved.
  – In 2016, the ORPS Order was one of two orders selected by DOE to undergo a new Pilot process to revise DOE orders using diverse team members (Feds and Contractors) that hold leadership positions in the communities that they represent.
  – These teams are called Integrated Project Teams (IPT). The IPT was chartered by the Directives Review Board (DRB) and approved by the DOE Operations Committee. For more information on the DRB and Operations Committee, review DOE O 251.1D, Departmental Directives Program.
  – The ORPS IPT was directed to assess, revise, and deliver a revised order to the DOE Directives Review Board in 4 months (August 4 to December 9, 2016). The Order was signed and published January 17, 2017 and will go into effect on September 1, 2017.
Terms and Definitions

• **OCCURRENCES:** Events or conditions that adversely affect, or may adversely affect, DOE (including NNSA) or contractor personnel, the public, property, the environment, or the DOE mission.

• **EVENT:** Something significant and real-time that happens (e.g., pipe break, valve failure, loss of power, environmental spill, earthquake, tornado, flood, injury).

• **CONDITION:** Any as-found state, whether or not resulting from an event, that may have adverse safety, health, quality assurance, operational or environmental implications. A condition is usually programmatic in nature; for example, errors in analysis or calculation; anomalies associated with design or performance; or items indicating a weakness in the management process.
• **DISCOVERY:** The point at which knowledgeable facility staff discovered or became aware of the event or condition. Discovery date and time is NOT the date and time when the event or condition is determined to be reportable. The facility staff are those personnel assigned to the facility and cognizant of the area in which the event or condition is identified.
  
  — Scenario #1: Operator notices water puddle in the hallway and notes that this is unusual. He gets distracted with a task but remembers the puddle and informs Supervisor. Supervisor checks the puddle and realizes that there is a leak in a credited system. The time that Supervisor discovers that it is a credited system would be the discovery time.
  
  — Scenario #2: Transfer is taking place from Tank #1 to Tank #3. An operator noticed a drop in Tank #2 and informed Supervisor. After review, Supervisor notes the wrong tank is being drained. This would be the discovery time.
When Something Happens

• **CATEGORIZATION:**
  – Following discovery of an event or condition, and within 2 hours of discovery, determine if the event or condition meets the threshold for reporting into the ORPS database (DOE O 232.2A) and which reporting criteria applies.

• **INITIAL NOTIFICATION: Within 2 hours of Categorization**
  – Notify appropriate personnel.
  – DOE/NNSA Facility Representative or Designated DOE Representative.
  – Other Contacts, i.e., Federal Counterparts, State or Local Authorities, etc.
What is the ORPS Database?

The ORPS database is a web-based graphical user interface (GUI) accessible only to authorized users with PIV/PIV-1 badges.

- Provides storage and retrieval of occurrence report information for ORPS users and the DOE complex.
  - Description of reportable events and conditions including initiators, mode of discovery and immediate actions; if performed, causes, corrective actions & extent-of-condition.
- Provides a wide range of inquiry capabilities & user-defined reports.
Example of an ORPS Report

Occurrence Report
After 2017 Redesign

Brookhaven National Laboratory (BOP)

(Name of Facility)

Balance of Plant - Infrastructure (Other Functions not specifically listed in this Category)

(Facility Function)

Brookhaven National Laboratory

(Subtitle)

Brookhaven National Laboratory

(Contractor)

Name: SMITH, JOHN

Telephone No.: (555) 123-4567

(Facility Manager/Designee)

Name: SMITH, JOHN

Telephone No.: (555) 123-4567

(Originator/Transmitter)

Name:

Date:

(Authorized Classifier (AC))


TEST REPORT: Chemical Spill

Report Type and Date: NOTIFICATION

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Notification:</td>
<td>05/15/2017</td>
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<tr>
<td>Initial Update:</td>
<td></td>
</tr>
<tr>
<td>Latest Update:</td>
<td></td>
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<tr>
<td>Final:</td>
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Example of an ORPS Report continued

Report Level: H

Division or Project: Chemistry Department
Secretarial Office: SC - Science
System, Bldg., or Equipment: Building 98
UCID?: No

Plant Area: Building 98
Date and Time Discovered: 05/14/2017 15:00 (ETZ)
Date and Time Categorized: 05/14/2017 15:05 (ETZ)

DOE HQ OC Notification:

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<th>Person Notified</th>
<th>Organization</th>
</tr>
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<tbody>
<tr>
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<td>16:00</td>
<td>J. Doe</td>
<td>BNL</td>
</tr>
<tr>
<td>05/14/2017</td>
<td>16:05</td>
<td>L. Presley</td>
<td>IN</td>
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Other Notifications:

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<th>Date</th>
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</thead>
<tbody>
<tr>
<td>05/15/2017</td>
<td>10:00</td>
<td>V. Presley</td>
<td>IN</td>
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</table>

Subject or Title of Occurrence:
TEST REPORT: Chemical Spill

Reporting Criteria:

Description of Occurrence:

On May 14, 2017, at Brookhaven National Laboratory (BNL), three cartons arrived at Receiving (Building 98). Each carton contained six identical 2.5 liter bottles. One of these cartons was lifted by an employee. Upon lifting, the bottom opened and one of the six 2.5 liter bottles in the box fell and broke. The fire department was called and they cleaned the spill using sodium bicarbonate and spill pads and placed the waste into plastic buckets. The pH of the liquid was checked using pH indicator paper and the solution had a pH of 0 (highly acidic).

Is Subcontractor Involved? Yes
Name: ABC Company

Immediate Actions Taken and Results:
The fire department was called and they cleaned the spill using sodium bicarbonate and spill pads.

ISM:
5) Provide Feedback and Continuous Improvement

Cause Code(s):
A7B4C01 - Other problem, No Cause is Applicable; No Cause is Applicable
A2B3C01 - Human Performance Less Than Adequate (LTA); Knowledge Based Error; Attention was given to wrong issue
~overview - NA

Description of Cause:

Corrective Actions:

(* = Date added/revised since final report was approved.)

Lessons Learned:

Similar Occurrence Report Numbers:

HQ Keyword(s):

HQ Summary:

Uploaded Documents:

You say multimaking like it s.pd

Other Document Description:

Updated Report Information:

Office of Environment, Health, Safety and Security
ORPS Report Identification - ORPS Report Numbering Explained

SC-ORO--ORNL-X10NUCLEAR-2017-000x

- DOE Secretarial Office
- DOE Field Office
- DOE Area Office (blank in this example)
- Contractor
- Facility Name
- Reporting (Calendar) Year
- Sequential # for facility

Office of Environment, Health, Safety and Security
Required ORPS Report Components

No classified information or Controlled Unclassified Information is allowed in ORPS. Public Release is required for all final reports in the ORPS Database.

- **ORPS Report Number** – Identifier Number automatically entered by the ORPS Database.
- **Subject/Title of Occurrence** - A brief title or description that best details the nature, cause, and result of the occurrence.
- **Report Levels** – High (H), Low (L), & Informational (I). Reporting Levels provide a means to reflect perceived risk associated with a given occurrence. They take into consideration the potential consequence of an occurrence in terms of health, safety and security to personnel, the public, the environment, and the operational mission.
- **Reporting Criteria** – A set of requirements that must be used to identify reportable occurrences.
- **Occurrence Description** – Who, What, When, Where, & How of event or concern.
- **Notifications** – Date(s) and time(s) of organization(s) of the individual(s) notified. Includes notifications to DOE/HQ & state and local officials or other agencies.
Optional ORPS Report Components

(These fields will be completed per local procedures)

NOTE: For High Level reports, identified causes, corrective actions, and any extent of condition (if performed) must be included in the Final Report.

- Description of Cause – Identifies causes, causal analysis and causal analysis methodology used.
- Immediate Actions – Immediate or remedial actions taken to return the facility, system, or equipment item to service; to correct or alleviate the anomalous condition. These may include temporary measures to keep the facility in a safe standby condition or to permit continued operation.
- Corrective Actions – Description of the corrective actions that address identified causes.
- Lessons Learned – In accordance with DOE O 210.2A, *DOE Corporate Operating Experience Program*.
ORPS Types of Reports & Notification

- INITIAL NOTIFICATION – Notification to Facility Representative or Designate DOE Representative as required by the Report Level.
- WRITTEN NOTIFICATION – The initial ORPS report of an event or condition that meets a reporting criterion.
- UPDATE REPORT – Used to provide additional information during the course of the investigation.
- FINAL REPORT – Entered in the system based on Report Level. Timelines based on initial categorization of occurrence.
  - Notification/Final Low & Informational Level Reports must be submitted within 10 business days.
  - Final High Level Reports must be submitted within 60 calendar days.
ORPS Reports – Report Levels

- Report Levels are assigned to each Reporting Criteria. The Report Level provides a means to reflect perceived risk associated with a given occurrence.
  - Report Levels take into consideration the potential health, safety and security consequence of an occurrence to personnel, the public, the environment, and the operational mission.
  - Report Levels are High (H), Low (L), & Informational (I)

Office of Environment, Health, Safety and Security
ORPS Reports – High Level Report

• High Level Report (H) Occurrences meet any of the following conditions:
  – Impacted worker or public safety and health, including significant personnel injuries, environmental harm, regulatory compliance, or public/business interests;
  – Constituted a noncompliance with regulatory requirements that created the potential for actual harm;
  – Posed the potential for mission interruption and require prompt mitigative action; or
  – Involved circumstances that reflected degraded safety necessitating prompt management attention along with modified normal operations to prevent an adverse effect on safe facility operations.

• EXAMPLES:
  – A fatality or terminal injury/illness.
  – Any unexpected or unintended personal contact (e.g., burn, shock, injury, etc.) with a hazardous energy source (e.g., live electrical power circuit, mechanical hazards, steam, pressurized gas, etc.).
  – A formal shutdown of an activity or operation for safety reasons by DOE or Contractor Senior Management.
All High Level Reports require the following:

- **Final/Closure:** Closure of reports in the ORPS Database.
  - Occurrences must be investigated and analyzed using a graded approach in accordance with local procedures.
  - Identified causes, corrective actions, and any extent of condition (if performed) must be included in the “Description of Cause” field.
  - Submitted within 60 calendar days after Initial Categorization.

- Require DOE Facility Representative OR Designated DOE Representative approval for final closure.

- Any lessons learned developed from the event must be entered in the “Lessons Learned” field.
ORPS Reports – Low Level Report

• Low Level Report (L) Occurrences may also involve personnel injury, environmental releases, equipment damage, or hazardous circumstances.

• EXAMPLES:
  – Any failure to follow a prescribed hazardous energy control process that results in potential worker exposure to uncontrolled hazardous energy OR any discovery of an uncontrolled hazardous energy source is a Low Level Report (Reporting Criteria 2D(2)). Any unexpected or unintended personal contact with a hazardous energy source is a High Level Report (Reporting Criteria 2D(1)).
  – Identification of onsite personnel or clothing contamination (excluding anti-contamination clothing provided by the site for radiological protection) that exceeds 10 times the total contamination values identified in 10 CFR 835 is a Low Level Report (Reporting Criteria 6D(3)). Identification of offsite personnel or clothing contamination that exceeds 1 times the total contamination values identified in 10 CFR 835 is a High Level Report (Reporting Criteria 6D(2)).
  – Determination of a positive Unreviewed Safety Question (USQ).
Informational Level Report (I)* Occurrences generally meet the following conditions:

– Determined to be a safety, environmental, or mission concern; or
– Provides potential learning opportunities for others.

EXAMPLES:

– Wildland Fire.
– Near-Miss to an injury.
– Any written notification from an outside regulatory agency that a site/facility is considered to be in noncompliance with a schedule or requirement.

* Informational Level Reporting can be tailored per Program Office direction to only be captured in local issues management systems.
Categorization Process

• Review available incident information
  – Compare information with Reporting Criteria (Attachment 2)
  – Identify reporting criteria if applicable,
    • more than one can apply.
    • the occurrence takes on the highest Report Level of the applicable criteria. (e.g., an unplanned fire and an injury occurs)
  – If the facts are not clear and the event is possibly reportable, make notification/categorization conservatively. The categorization can be downgraded or upgraded based upon new information.

• Notify DOE/NNSA Facility Representative or Designated DOE Representative.

NOTE: This is not a one time process. As information becomes available during the subsequent analysis, it should be periodically reviewed for additional applicability. If the Report Level of the event changes, an additional notification to DOE/NNSA must be made as appropriate.
# Occurrence Reporting Model

<table>
<thead>
<tr>
<th>Report Level</th>
<th>Timelines</th>
<th>Initial Notification</th>
<th>Final Report Approval</th>
<th>Causal Analysis and Corrective Actions</th>
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<tbody>
<tr>
<td><strong>High (H)</strong></td>
<td>Categorize: 2 hours</td>
<td>To Facility Representative or</td>
<td>By Facility Representative or</td>
<td>Per local procedures Any identified causes and corrective actions must be included in the final report</td>
</tr>
<tr>
<td></td>
<td>Initial Notification: 2 hours</td>
<td>Designated DOE Representative</td>
<td>Designated DOE Representative</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Written Notification: COB 2 business days</td>
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<td></td>
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<tr>
<td></td>
<td>Update/Final Report: COB 60 calendar days</td>
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<td></td>
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<tr>
<td><strong>Low (L)</strong></td>
<td>Categorize: 2 hours</td>
<td>To Facility Representative or</td>
<td>Per local procedures</td>
<td>Per local procedures</td>
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<td></td>
<td>Initial Notification: 2 hours</td>
<td>Designated DOE Representative</td>
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</tr>
<tr>
<td></td>
<td>Written Notification/Final Report: 10 business days</td>
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<tr>
<td><strong>Informational (I)</strong></td>
<td>Categorize: 2 hours</td>
<td>To Facility Representative or</td>
<td>Per local procedures</td>
<td>Per local procedures</td>
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<tr>
<td></td>
<td>Initial Notification: COB next business day</td>
<td>Designated DOE Representative</td>
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</tr>
<tr>
<td></td>
<td>Written Notification/Final Report: 10 business days</td>
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</tbody>
</table>
Occurrence Reporting Flowchart

Discovery
Event or condition is discovered
Within 2 Hours of Discovery

Categorization
Categorize Event or Condition in Accordance with DOE Order 232.2A to identify Reporting Criteria and report Level

Is Event or Condition Reportable?

Exit and Manage per Local Procedures

Initial Notification
Notify DOE Facility Representative or Designee of all High, Low or Informational Level Reports

End Process

Submit Written Notification/ Final Report Within 10 Business Days of Categorization

End Process

Submit Written Notification/ Final Report Within 2 Business Days of Categorization

ISSUE UPDATE REPORT

Categorization has changed or new significant information is available

INVESTIGATE
In accordance with Local procedures

DOE FR OR DESIGNEE APPROVAL OF FINAL REPORT

End Process

NOTE: Initial notifications, cause analysis and/or Development of corrective action(s) for all report levels are performed in accordance with local procedures.

Office of Environment, Health, Safety and Security
Occurrences are categorized by reporting criteria. There are 10 groups of reporting criteria.

Group 1 - Operational Emergencies
Group 2 - Personnel Safety and Health
Group 3 - Nuclear Safety Basis
Group 4 - Facility Status
Group 5 - Environmental
Group 6 - Contamination/Radiation Control
Group 7 - Nuclear Explosive Safety
Group 8 - Packaging and Transportation
Group 9 - Noncompliance Notifications
Group 10 - Management Concerns and Issues
Each criterion is denoted by its Group, Subgroup (if applicable), and item number (#). Thus, for example, the violation of a safety limit is denoted as Group 3, Subgroup A, Item No. (1) or —3A(1). An event can meet multiple reporting criteria that establish it as an occurrence.

Criterion reference:

```
Group 3A(1)
   Subgroup
   Item No.
```

Office of Environment, Health, Safety and Security
Reporting Criteria Group 1 – Operational Emergencies

This criteria is used if any Operational Emergencies are declared at your site. Declarations of Operational Emergencies should be entered into ORPS.

EXAMPLES:
A fatality on site.
A fire burning adjacent to a power substation.
A suspicious package found and security measures needed.
Subgroup A- Occupational Injuries & Exposure

Group 2A criteria is used for Occupational Injuries &/or Exposures. These categorizations might require Medical, Safety, or Industrial Hygiene Professionals input for determination. Remember additional criteria can apply.

Example: Employee slips & falls due to black ice. They are medically diagnosed with a fractured ankle that requires surgery and possible concussion. This would be reported as 2A(5) and potentially 2A(3) depending on the time in the hospital.

Subgroup B- Fires

Example: Any fire that develops under a hot work permitting process that becomes extinguished by other than the fire watch should be reported into ORPS as this type of fire incident is not fully anticipated.

Subgroup C- Explosions

Use of this criteria that could also result in reporting of additional criteria may apply. Remember that explosions can result from ignition events involving energetic materials, a pressurization event, or a chemical reaction.
Subgroup D - Hazardous Energy

Examples: Unexpected or unintended personal contact (burn, shock, injury, etc.) OR failure to follow LOTO OR discovery of uncontrolled source. These can range from an arc flash Incident with or without injuries to a mechanical or electrical lockout/tagout violation.

2015 LANL Electrical Arc
Group 3 criteria regard compliance with specific requirements in a nuclear facility’s safety documentation, or deficiencies in the associated analysis, and may require your Safety Basis or Nuclear Criticality Professional’s input for determinations. For example, discovery of a quantity of material exceeding a Hazard Category 3 quantity in a facility that is designated as Hazard Category 3.

**Subgroup A - Technical Safety Requirement and Other Hazard Control Violations (excluding nuclear criticality)**

Examples include: any TSR violation, work control documents not implementing safety basis controls, and operating procedure not fully addressing all the surveillance inspection requirements.

**Subgroup B - Documented Safety Analysis**

Examples include:
Positive Unreviewed Safety Questions (USQs).
Identification of a radioactive material inventory that causes a nuclear facility to exceed its current approved/authorized Hazard Category.

**Subgroup C - Nuclear Criticality Safety Control Violations**

Example: Noncompliance with requirements of a posted criticality safety plan.
Subgroup A- Safety Structure/System/Component Degradation (Nuclear Facilities)

Performance degradation of any SC/SS SSC.
See Notes in DOE O 232.2A

Subgroup B- Operations

Examples include: formal shutdowns of activities or operations for safety reasons, unsafe conditions activating SSCs (including SCRAMs), and operational events having an adverse impact on safety (for example: loss of power or utilities).

Subgroup C- Suspect/Counterfeit and Defective Items or Material

Examples include: suspect/counterfeit and defective items found installed in an application like bolts, fasteners, or any type of equipment.

Counterfeit Shackles marked “CHINA”
Subgroup A- Releases
Examples include: releases of hazardous substances or pollutants or any exceedances of oil or sulfur hexafluoride.

See Notes in DOE O 232.2A

Subgroup B- Ecological and Cultural Resources
Examples include: releases causing impact to ecologically preserved areas, habitats, historical sites, or environmental damage (e.g., fish kill).
Categorizations will require your Radiological Control Professional’s input for determination.

**Subgroup A- Loss of Control of Radioactive Materials**

Examples include: identification of rad material offsite, loss of rad material exceeding values in 10 CFR Part 835.

See Notes in DOE O 232.2A

**Subgroup B- Spread of Radioactive Contamination**

Examples include: identification of offsite or onsite rad contamination.

See Notes in DOE O 232.2A

**Subgroup C- Radiation Exposure**

Examples include: occupational doses, failure to provide the required monitoring for an exposure, and radiological releases.

**Subgroup D- Personnel Contamination**

Examples include: contaminated personnel or contaminated clothing.
Examples include:

Damage to a nuclear explosive.

Unauthorized actions regarding a nuclear explosive.

Process violations with regard to a nuclear explosive (e.g., the Two-Person Concept of operations).
Group 8 criteria categorizations might require your Transportation Professional’s input for determination.

Examples include: offsite transportation event involving hazardous materials, events requiring reporting to the NRC, and violations of Hazardous Materials Regulations requirements.
Examples include:
Notice of Violation.
Warning Letter.
Administrative Order or Notice of Noncompliance from either your State or Local Environmental Agency.

This criterion is not applicable to DOE Office of Enforcement actions.
10(1) Management Concerns
Ask yourself will your incident cause the media to take interest and/or embarrass your Feds? If you answer yes than submit the informational report.

10(2) Near Misses
Examples:
• Worker struck (or narrowly missed) by moving object but not injured. Had object struck employee (or struck them differently) it could have caused reportable injury.
• Worker approaches within hazardous proximity to an active hazard for which they are not protected. Contact with hazard could cause reportable injury. Due to luck they avoid the hazard.

10(3) Any occurrence that may result in a significant concern by affected state, tribal, or local officials, press, or general population; that could damage the credibility of the Department; or that may result in inquiries to Headquarters.
Case Study 1

Read and review DOE O 232.2A completely.

When reviewing the Case Study, reference DOE O 232.2A to obtain the correct Reporting Criteria.

- An operator experienced a mild shock to the right thumb while plugging in an electrical fan. The operator immediately reported the incident to management. The employee was evaluated by the site nurse and returned to work. A frayed cord on the fan was discovered and the fan was removed from service.
- Which ORPS reporting criteria does this event meet?
  - Answer: 2D(1)
Case Study 2

Read and review DOE O 232.2A completely.
When reviewing the Case Study, reference DOE O 232.2A to obtain the correct Reporting Criteria.

• During the daily turnover, an operator smelled smoke in the trailer. After further investigation, the operator noted smoke and a flame emitting around an electrical panel door. When the emergency responders arrived a few minutes later, the fire had activated the sprinkler system. A CO2 fire extinguisher was used to cool the panel and the panel was de-energized and tagged-out.

• Which ORPS reporting criteria does this event meet?

• Answer: 2B(2)
Case Study 3

Read and review DOE O 232.2A completely.

When reviewing the Case Study, reference DOE O 232.2A to obtain the correct Reporting Criteria.

- A large grass fire was reported approximately 3 miles east of the plant. WIPP Fire Department personnel dispatched 2 units to the location. Wind speeds were sustained at 25.3 mph with gusts to 32.7 mph. The wind direction was pushing fire and smoke towards the WIPP facility. Carlsbad, Hobbs, BLM and local volunteer Fire Departments were dispatched to assist the WIPP Fire Department. The FSM declared an Operational Emergency-Not Needing Further Classification and directed an immediate site wide evacuation. The fire was contained within 2 hours. The fire traveled within 300 yards of the WIPP facility. Two WIPP fire fighters sustained second degree burns over 10 percent of their bodies and transported to the hospital for treatment. No building/equipment damage has been identified at the facility.

- Which ORPS reporting criteria does this event meet?
- Answer: 1(1), 2A(5), 2B(4), 10(3)
ORPS Final Reports

• ORPS Final Reports are publicly available. No classified information or Controlled Unclassified Information is allowed in ORPS.
• Available at http://energy.gov/ehss/policy-guidance-reports/dashboards
• Contents of the Public ORPS Dashboard –
  o Contains reports from 2005 to present
  o Data is updated daily
  o Information is displayed in tables and graphs
  o Searchable by reporting organization and event-oriented keywords
  o Full occurrence report can be viewed and printed
Publicly Available Occurrence Reporting and Processing System Dashboard

U.S. DEPARTMENT OF ENERGY
Occurrence Reporting and Processing System

Select Year: 2017
Program Office: All

Year: 2017

<table>
<thead>
<tr>
<th>Site</th>
<th>Occurrences</th>
</tr>
</thead>
<tbody>
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<td>Argonne National Laboratory East</td>
<td>1</td>
</tr>
<tr>
<td>Brookhaven National Laboratory</td>
<td>2</td>
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<tr>
<td>Carlsbad Field Office</td>
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<td>East Tennessee Technology Park</td>
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<td>Hanford Site</td>
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<td>Idaho Cleanup Project</td>
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<td>Idaho National Laboratory</td>
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<td>Kansas City Plant</td>
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<td>Lawrence Berkeley National Laboratory</td>
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<td>Los Alamos National Laboratory</td>
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<tr>
<td>National Energy Technology Laboratory</td>
<td>2</td>
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Hanford Site

Select a Facility to see Occurrence Reports in the table below
Note: Problem with Y-Axis for values 4 and less to be corrected

<table>
<thead>
<tr>
<th>Year</th>
<th>2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>Site</td>
<td>Hanford Site</td>
</tr>
<tr>
<td>Contractor</td>
<td>CHRMHILL Plateau Remediation Company</td>
</tr>
<tr>
<td>Facility</td>
<td>EM-RL--CPRC-ERDF-2017-0001</td>
</tr>
<tr>
<td>Keyword</td>
<td>Shipping QA</td>
</tr>
<tr>
<td>Subject</td>
<td>CHPRC Radioactive Shipment Record Did Not Accompany Super Dump Truck During Off-Site Shipment</td>
</tr>
</tbody>
</table>

Please send comments or questions to: orpssupport@hq.doe.gov

Office of Environment, Health, Safety and Security
### U.S. DEPARTMENT OF ENERGY
Occurrence Reporting and Processing System

**Select Year**

<table>
<thead>
<tr>
<th>Report Number</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA-LASQ-LANL-TALS-2017-0002</td>
<td>125 Volt Wall Receptacle Damaged During Construction Activities was Taped Over and not Immediately Controlled</td>
</tr>
</tbody>
</table>

**Keywords**

<table>
<thead>
<tr>
<th>Keywords</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Authorization Basis</td>
<td>7</td>
</tr>
<tr>
<td>Conduct of Operations</td>
<td>16</td>
</tr>
<tr>
<td>Electrical Safety</td>
<td>6</td>
</tr>
<tr>
<td>Environmental</td>
<td>9</td>
</tr>
<tr>
<td>Equipment Degradation/Failure</td>
<td>17</td>
</tr>
<tr>
<td>Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>Industrial Operations</td>
<td>4</td>
</tr>
<tr>
<td>Injuries Requiring Medical Treatment Other</td>
<td>8</td>
</tr>
<tr>
<td>Lockout/Tagout (Electrical or Mechanical)</td>
<td>10</td>
</tr>
<tr>
<td>Near Miss (Could have been a serious injury or fatality)</td>
<td>5</td>
</tr>
<tr>
<td>OS/HPI</td>
<td>4</td>
</tr>
<tr>
<td>Other than above</td>
<td>1</td>
</tr>
<tr>
<td>Radiological Control (Other)</td>
<td>6</td>
</tr>
<tr>
<td>Radiological Skin</td>
<td>3</td>
</tr>
<tr>
<td>Contaminants/Overlays</td>
<td>3</td>
</tr>
<tr>
<td>Shipping QA</td>
<td>2</td>
</tr>
<tr>
<td>Suspicious/counterfeit Items</td>
<td>4</td>
</tr>
<tr>
<td>Defective Items</td>
<td>1</td>
</tr>
<tr>
<td>Vehicle Accident</td>
<td>1</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>105</td>
</tr>
</tbody>
</table>

**Site**

<table>
<thead>
<tr>
<th>Site</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brookhaven National Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Carlsbad Field Office</td>
<td>1</td>
</tr>
<tr>
<td>Hanford Site</td>
<td>1</td>
</tr>
<tr>
<td>Lawrence Berkeley National Laboratory</td>
<td>1</td>
</tr>
<tr>
<td>Oak Ridge National Laboratory</td>
<td>2</td>
</tr>
<tr>
<td>Portsmouth Gasous Diffusion Plant</td>
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</tr>
<tr>
<td>West Valley Site</td>
<td>1</td>
</tr>
</tbody>
</table>

**Final Report Data Published as of:** 3/16/2017 11:54:48 AM

Please send comments or questions to orpsupport@hq.doe.gov

More ORPS Resources

• **Daily ORPS Summary email** containing new ORPS Notifications and Final Reports-sent to DOE feds and contractors on distribution.
  – To request receiving the daily email, email Ashley.Ruocco@hq.doe.gov.

• **Daily Occurrence Report** access: https://energy.gov/ehss/daily-occurrence-reports

• **EFCOG’s ORPS Task Group** is a subgroup of the Integrated Safety Management & Quality Assurance Working Group that provides an organized forum to share information and lessons learned on how sites manage their respective ORPS programs, and to gain program guidance from DOE Headquarters regarding ORPS requirements and implementation, to foster continuous improvement in safety that supports achievement of mission success. http://efcog.org/
Questions/Comments

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AUUserSupport@hq.doe.gov

Office of Environment, Health, Safety and Security