

## **Integrated Safety Management System Activity Report for August 2013**

August 12, 2013

Doc. No. – SHEA-113883

### **Contractor Documentation**

All contractor activities relating to demolition, decommissioning and decontamination (DD&D) work at DOE facilities at ETEC were suspended in May 2007 and remain on-hold due to the DOE stop order received on May 24, 2007.

Field activities were limited to landlord activities including site-wide safety and safe shutdown. These included ISMS inspections, routine radiation surveys/inspections of RMHF and 4024, instrument calibration, and groundwater monitoring. Groundwater monitoring is generally conducted during the 1<sup>st</sup> and 3<sup>rd</sup> quarters of each year and well gauging during the 2<sup>nd</sup> and 4<sup>th</sup> quarters. Annual instrument calibration was performed by OSI. Groundwater monitoring and well gauging were performed by MWH.

### **ISMS Safety Audit**

An ISMS audit of the RMHF buildings and associated electrical substations was performed on 8/6/2013. These included buildings 044, 688, 665, 022, 021, 621, and 075. The observations are recorded on the Figure 3 audit form (attached).

### **Injuries**

No DOE-related injuries have occurred in 2013.

### **ORPS Reports**

No ETEC ORPS Reports were filed.

ORPS Reports are retrieved weekly from the Occurrence Reporting and Processing System and distributed to program personnel to communicate specific and/or generic implications to ETEC activities and the lesson(s) we can learn from the occurrence. 219 DOE-wide ORPS reports were distributed since the May report.

### **Lessons Learned Reports**

Lessons Learned Reports were received for June, July and August 2013 and distributed to program personnel for review and application to ETEC operations.

### **ETEC Monthly BBS Audits**

No BBS audits were performed in Area IV for this report period.

### **DOE Operating Experience Summary**

Operating Experience Summary 2013-01 was published on 4/2/2013 and distributed to ETEC program personnel. No further Operating Experience Summaries have been published.

### **Health & Safety Audits**

After June 2007, DOE facilities were placed in a “safe shutdown” status. Since the February report period, the following inspections/audits were performed:

**FSDF Weekly Inspection Record** (Piezometer and Lysimeter Well Monitoring and Area Inspection)

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- Twenty-five inspections were performed. Piezometers and Lysimeters remain dry. FSDF cover in good condition. No discrepancies were identified. No corrective actions required.

### RMHF Hazardous Waste Container Weekly Inspection Checklist

- Twenty-five inspections were performed. No discrepancies were identified. No corrective actions required.

### RMHF Quarterly Facility Inspection

- Two inspections were performed. No discrepancies were identified. No corrective actions required.

### HWMF Closure Weekly Inspection Checklist – (B/4029, B/4133)

- Twenty-five inspections were performed. No discrepancies were identified. No corrective actions required.
- Dewey Pest Control performed disinfection, cleanup, and rodent removal at both HWMF buildings.
- Site Services performed weed abatement within fenced areas of both HWMF buildings.

### ETEC Weekly Facility Inspection

- Twenty-five inspections were performed. No discrepancies were identified. No corrective actions required.
- Site Services performed weed abatement within the SPTF/CHCF fence line and around B/4024.
- Routine B/4024 groundwater pumping continued. Storage tank 907MEA is full with approximately 18,000-gallons of water. Radiation Safety analyzed the water and released it for disposal. Disposal has not been scheduled.

### SSFL Health & Safety

The attached ISMS audit was conducted. The action items are listed below:

#### AUGUST 2013 OPEN ITEMS

1. Remove “Smoking Area” sign from B044. ACTIONEE: Mark Spenard, PIC
2. Replace obliterated tag indicating “Fed from ...” on B022 No. 5 Blower Switch. ACTIONEE: Mark Spenard, PIC
3. Maintain deteriorated labeling on various electrical panels, etc. as needed. ACTIONEE: Mark Spenard, PIC
4. Replace deteriorating Radioactive Material labeling on the two containers stored in B621. ACTIONEE: Mark Spenard, PIC
5. Remove deteriorated, unneeded NFPA 704 and “Keep Fire Away” signs from B688. ACTIONEE: Mark Spenard, PIC
6. Update Confined Space Entry signage/labeling to clearly indicate the affected space and Confined Space No. ACTIONEE: Mark Spenard, PIC
7. The B021 substation requires high voltage and 70E signs. ACTIONEE: Bill Gruener, Site Services

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### PRIOR AUDIT ITEM STATUS

#### February 2013

1. Oil contaminated spill pads were observed in the B4688 flammables cabinet. RMHF personnel will remove any leaking containers and replace the spill pads. COMPLETED
2. Site Services will verify that an exposed breaker box in B4075 is out of service as are adjacent electrical equipment. COMPLETED
3. Verify accuracy of RMHF chemical inventory. COMPLETED
4. Compressor blowdown drum between B4021 and 4022 containing oily water requires relabeling. COMPLETED

#### May 2013

1. A 6" section of rebar was observed behind B4038 that was an impalement hazard. ACTION: Mark Spenard was advised and committed to have the protruding section bent over or otherwise safed. COMPLETED
2. The CDM trailer was not anchored into position, but was observed to be situated on jack stands. Trailer tires were still in place. ACTION: CDM (John Wondelleck) advised that CDM is aware of the issue and is pursuing having a vendor properly tie the trailer down. COMPLETED
3. A high voltage sign was posted on the gate of electrical substation 4757, but signs are also needed on the other sides. ACTION: Site Services will install. REMAINS OPEN
4. NFPA 70E signs were not visible on substation 4757. ACTION: Site Services will install. REMAINS OPEN

#### Annual ISMS/HASP/PHA Change

None

#### UAW Monthly Safety Meeting

On April 2, 2009, UAW's presence at SSFL came to a conclusion. As such, the UAW monthly safety meeting has been discontinued and there are no indications that these meeting will be convened at SSFL in the future.

ISMS POC: RR Mako Date: 8/13/2013  
Robert R. Mako

# ETEC CLOSURE

## Desk Instruction

<b>Activity ID</b> SEHSE012	<b>Date</b> 2/1/2013	<b>Revision</b> R-6	<b>ETEC DI 004</b>
<b>Document Title: ETEC CLOSURE ISMS Self-Assessment Plan (SAP)</b>			

**FIGURE 1**

<b>ISMS Self-Assessment Plan (SAP) Audit Summary</b>				
<u>August 2013</u> Month/Year				
<p>This Audit Summary is to be completed quarterly to ensure that the requirements of EID-04694 have been fulfilled. Copies of audit items listed are to be maintained to provide objective evidence of audit completion.</p>				
No	Audit Item	Auditor Signature	Date	Comments
1	Contractor's documentation reviewed (Category I or 2)		8/8/2013	Last full submittal provided on 4/4/2010 and reaffirmed on 2/21/2012 – No change
2	ISMS quarterly activity report completed		8/12/2013	
3	ISMS Site Audit completed		8/6/2013	Observations are noted in Fig. 3
4	Incident Reports reviewed		8/8/2013	None since the December audit
5	ORPS reports reviewed		8/8/2013	No ETEC ORPS were submitted. DOE-wide ORPS reports were distributed to affected ETEC personnel weekly.
6	Behavior-Based Safety observations reviewed		8/8/2013	No ETEC behavior-based safety audits were performed
7	DOE Operating Experience Summaries reviewed		8/8/2013	Operating Experience Summaries were distributed to affected ETEC personnel as received.
8	EHS audits conducted and reviewed		8/8/2013	Only the ISMS SAP audit was performed relative to ETEC operations
9	ISMS/HASP/PHA changes reviewed		8/8/2013	The following programs were reviewed – EPA-00060, Health & Safety Plan; EPA-00062, 10CFR851 Compliance Plan; QA-00003, Occurrence Reporting
10	Safety meeting held		8/8/2013	Field work is performed by MWH who conducts periodic tailgate safety meetings

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**FIGURE 3**

<b>Integrated Safety Management System Site Audit</b>		
<b>Date 8/6/2013</b>	<b>Facility RMHF (Bldgs. 044, 688, 665, 022, 021, 621, and 075)</b>	<b>Auditor RR Mako</b>
<b>Housekeeping</b>	<b>Inspection Results</b>	<b>Comments</b>
1. Are all work areas, passageways, storerooms, and service areas clean, orderly, and free of hazards?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	<b>ACTION:</b> Remove "Smoking Area" sign from B044.
2. Does the storage or stacking of material prevent tripping, striking against, or hazards from falling materials?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Unused equipment and materials are stored in B022. Reasonable care must be exercised to prevent tripping when walking among the stored materials.
3. Is there any unauthorized storage of materials?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
4. Are cables and cords out of walkways?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	A portable light is kept in the center of B022 to provide light to see. The power cable is safely situated.
5. Are tripping hazards either eliminated or marked?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Satisfactory care has been provided to minimize the risk of tripping.
6. Is there clear access to emergency equipment, such as fire extinguishers, emergency exits, emergency eyewash, or shower?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
7. Are emergency lights in working order?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
8. Are floor surfaces free of spills or slip hazards?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
9. Are there any leaking chemical containers or machinery oil spills?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Flammable liquids cabinet contents at 688 were clean and in good condition. Observations from February audit were corrected.
10. Do aisles around equipment provide at least 24-inches access?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	

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<b>Housekeeping</b>	<b>Inspection Results</b>	<b>Comments</b>
11. Are covers and guardrails provided to protect employees from hazards such as falling into pits or tanks?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
12. Does any condition exist for groundwater intrusion into below grade areas?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	B022 Vault 6 occasionally accumulates groundwater which then drains to a sump that is pumped as needed. The sump was not inspected during this audit.
13. Are all utilities (natural gas, water, electricity) in working condition?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Temporary lighting is provided where needed due to power termination.
14. Are there any hazardous conditions outside the building (such as weeds, loose siding, broken doors, windows or leaking roof)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
15. Does the building have a proper security lock?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<b>Electrical</b>	<b>Inspection Results</b>	<b>Comments</b>
16. Is a minimum 36 inches of clearance maintained in front of electrical panels and switches rated for less than 240 VAC?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
17. Is a minimum of 42 inches of clearance maintained in front of electrical panels and switches rated for greater than 240 VAC?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
18. Are all electrical cords routed so they will not be a tripping hazard or be subjected to damage?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
19. Are all junction boxes, electrical panels, and switches of a smooth construction and free of openings?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	

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20. Are breaker and motor control panel doors closed, latched and adequately identified?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	<p>Since the last audit Site Services has verified that exposed breaker box in B075 is out of service along with adjacent electrical equipment.</p> <p><b>ACTIONS:</b></p> <ol style="list-style-type: none"> <li>1. Replace obliterated tag indicating "Fed from ..." on B022 No. 5 Blower Switch.</li> <li>2. Maintain deteriorated labeling on various electrical panels, etc. as needed.</li> </ol>
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<b>Integrated Safety Management System Site Audit</b>		
<b>Date 8/6/2013</b>	<b>Facility RMHF (Bldgs. 044, 688, 665, 022, 021, 621, and 075)</b>	<b>Auditor RR Mako</b>
<b>Electrical</b>	<b>Inspection Results</b>	<b>Comments</b>
21. Are all electrical enclosures such as switches, receptacles, and junction boxes provided with appropriate covers and face plates?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
22. Is there any exposed wiring, including telephone lines, that should be repaired?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
<b>Fire Safety</b>	<b>Inspection Results</b>	<b>Comments</b>
23. Is fire fighting equipment conspicuously located and clearly identified?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
24. Are materials, equipment, and trash kept out of the way of fire extinguishers and emergency exits?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
25. Are flammable liquids stored in approved storage containers?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
26. Does all fire extinguishing equipment have inspection tags, and are they up to date?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Three fire extinguishers were inspected at random and all had current inspection tags. The PIV serving B021 was observed noting that it was locked CLOSED (correct position as verified with Security & Fire Protection).
27. Is the fire alarm system active (fire sprinklers charged etc.)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
<b>Hazardous Materials</b>	<b>Inspection Results</b>	<b>Comments</b>
28. Is a current inventory maintained and Material Safety Data Sheets (MSDSs) available for all hazardous materials?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	The RMHF chemical inventory was updated since last visit. Only one material change.

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29. In case of ongoing work, is the HASP Information Sheet completed and posted in the facility?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
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<b>Hazardous Materials</b>	<b>Inspection Results</b>	<b>Comments</b>
30. Are hazardous materials stored in proper containers/cabinets, which are clearly marked and kept closed when not in use?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Only one chemical storage cabinet exists, a flammable liquids cabinet stored at B688.  The compressor blowdown drum between 021 and 022 was properly labeled correcting the observation from the February audit.
31. Are incompatible (reactive) materials stored separately?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
32. Are all containers (i.e., bottles, cans, drums, and squeeze bottles) labeled with the original vendor labels or secondary labels?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	<b>ACTION:</b> Replace deteriorating Radioactive Material labeling on the two containers stored in B621.
33. Have control procedures been implemented to cover safe handling practices for any hazardous materials in the area?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	<b>ACTIONS:</b> 1. Remove deteriorated, unneeded NFPA 704 and "Keep Fire Away" signs from B688.  2. Update Confined Space Entry signage/labeling to clearly indicate the affected space and Confined Space No.
<b>Personal Protective Equipment (PPE)</b>	<b>Inspection Results</b>	<b>Comments</b>
34. Are personnel wearing the proper PPE for the work being performed?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	No activities requiring PPE were in progress.
35. Is PPE maintained in an easily accessible area and kept in good condition?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	No routine PPE use.  The emergency eyebaths and shower had current inspection labels. The PIC confirmed that the equipment is flushed weekly.
36. Are visitors required to follow proper PPE guidelines when visiting the area?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	PPE is not required to visit the area.

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37. Are training records up to date for use of required PPE?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
38. Are there any unsafe conditions outside the electrical substation such as weeds, damaged fencing or gates?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	

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<b>Electrical Substations*</b>	<b>Inspection Results</b>	<b>Comments</b>
39. Are the appropriate warning signs posted e.g. Danger High Voltage and NFPA 70E arc flash and shock hazard warnings?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	Danger High Voltage signs and 70E labels were visible for the substation near the RMHF entrance.  <b>ACTION:</b> The B021 substation requires high voltage and 70E signs.
40. Is the gate locked?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
41. Off-normal observations?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
<b>Environmental Protection</b>	<b>Inspection Results</b>	<b>Comments</b>
42. Are asbestos, lead, mercury, or PCB containing materials or equipment in good condition?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	No leaking material observed
43. Is any powered equipment, tool, or building system leaking fluids or water?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A <input type="checkbox"/>	
44. Are required VCAPCD permits available for affected equipment (e.g., generators $\geq$ 50 HP)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
45. Is required VOC emission tracking being performed and documented where required (e.g., painting, solvent cleaning)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
46. Does fugitive dust control appear to be adequate in compliance with VCAPCD Rule 55?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	No dust generating activities were underway at the time of this audit.
47. Does hazardous waste appear to be properly managed (labeled, closed, no leaks, etc.)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	No hazardous waste was being stored at this time.