Department of Energy
Carlsbad Field Office
P. O. Box 3090
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OCT 1 5 2014

Mr. John E. Kieling, Bureau Chief
Hazardous Waste Bureau
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87508-6303

Mr. Tom Blaine, Division Director
Environmental Health Division
Harold Runnels Building
1190 Saint Francis Drive, Room 4050
Santa Fe, NM 87502-5469

Subject: Monthly Report for the Reporting Period ending September 30, 2014, as required by NMED Administrative Orders dated February 27, 2014, and May 12, 2014, and as amended by NMED Directive dated August 29, 2014

Dear Mr. Kieling and Mr. Blaine:

The purpose of this letter is to transmit the monthly report for the reporting period ending September 30, 2014, as requested by the February 27, 2014, and May 12, 2014, Administrative Orders, issued under the authority of the New Mexico Hazardous Waste Act § 74-4-13 from Ryan Flynn to Messrs. Hellstrom, Franco, Cook, and McQuinn, and as amended by the August 29, 2014, directive from Ryan Flynn to Messrs. Franco and McQuinn. This report is enclosed along with a compact disc containing the electronic version of the report.

We certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. George T. Basabilvazo at (575) 234-7488.

Sincerely,

Jose R. Franco, Manager
Carlsbad Field Office

Robert L. McQuinn, Project Manager
Nuclear Waste Partnership LLC

Enclosure

cc: w/enclosure

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Monthly Status Report for the New Mexico Environment Department Administrative Orders

Reporting Period August 25, 2014, through September 30, 2014

Introduction

On February 5, 2014, a vehicle fire occurred in the Waste Isolation Pilot Plant (WIPP) underground, resulting in normal operations and waste shipments from generator sites being temporarily suspended. On February 14, 2014, while the fire investigation was still underway, a continuous air monitor detected airborne radiation in the WIPP underground facility, causing the ventilation exhaust to automatically shift to high efficiency particulate air (HEPA) filtration mode. The ventilation system has been operating in filtration mode since that time. Recent entries into Panel 7 in the underground have confirmed that at least one container from a nitrate salt bearing waste stream from Los Alamos National Laboratory has been breached and is most likely the source of the release. Further investigations are currently ongoing as part of the re-entry process to collect additional information regarding the release. Shipments of waste to the WIPP facility have been suspended.

The New Mexico Environment Department (NMED) has issued two Administrative Orders (AOs) to address certain activities relative to the WIPP Hazardous Waste Facility Permit (Permit) that cannot be performed because the underground is inaccessible for normal activities. The AOs provide requirements for monitoring and reporting to the NMED concerning the status of recovery from the two events. The first administrative order (AO1) issued on February 27, 2014, addressed above-ground compliance, and required a weekly report to be submitted with regard to surface-related requirements of the Permit. On May 12, 2014, a second administrative order (AO2) was issued to address, in part, Permit-required activities that cannot currently be performed due to the inaccessibility of the underground. AO2 changed the reporting period from weekly to biweekly, with additional information required to supplement the information required by AO1. A directive from the Secretary of the NMED was issued on August 29, 2014, which amended the reporting frequency from biweekly to monthly for reporting required under AO1 and AO2. Additionally, the directive modified the reporting provisions found in AO1 and AO2. This report reflects these modifications.

This report serves to fulfill the reporting requirements set forth by AO1 and AO2, as amended by the NMED directive dated August 29, 2014. The following sections combine the information required by both orders, as appropriate, and provide references to the applicable paragraphs from AO1 and AO2.

The Permittees released the WIPP Recovery Plan on September 30, 2014, which provides the safe and environmentally sound approach for bringing the WIPP facility back to a fully operational state. In accordance with Paragraph 17(a) of AO2, the Permittees were required to submit a draft underground compliance plan (UCP) to the NMED by June 26, 2014. Pertinent elements of the WIPP Recovery Plan were integrated into the UCP as these elements pertain to the Permit-related requirements addressed by the AOs. The monthly reports will provide a status of recovery-related activities, as outlined in AO1 and AO2. The first monthly report is due to the NMED on October 15, 2014. In accordance with Paragraph 18(a) of AO2, subsequent reports will identify new information since the previous reporting period.

1.0 Status of Permit-related surface and underground inspections for this reporting period, as requested per Paragraph 14(a) of AO1 and Paragraphs 18(c) and 18(e)(iii) of AO2, including the accessibility for personnel performing these Permit-required activities per Paragraph 18(e)(i) of AO2 and the status of recovery activities per Paragraph 18(e)(ii) of AO2:

See Attachment 1, *Surface and Underground Inspections*, for the current status of each Permit-required inspection, including accessibility of underground equipment for personnel performing the inspections. This list is taken from Permit Attachment E, Table E-1. The surface and underground inspections required by Table E-1a related to remote-handled (RH) transuranic (TRU) waste are pre-operational. Because the WIPP facility has not been handling RH TRU waste, and there is no RH TRU waste being stored at the WIPP facility at this time, these pre-operational inspections do not currently apply. Inspections and preventative maintenance (PM) are not required for equipment that is out of service. Prior to commencing RH TRU waste handling operations, PMs and/or inspections will be brought into a current/compliant status.

As indicated in Attachment 1, the majority of underground inspections cannot currently be performed due to the inaccessibility to those portions of the underground where inspections are required. Some inspections are being completed in order to facilitate recovery and reentry. In accordance with Paragraph 17(a) of AO2, the Permittees were required to submit the draft UCP to the NMED by June 26, 2014. The order requires that the UCP shall include a detailed compliance schedule for those requirements described in Paragraph 13 of AO2. The compliance schedule includes a proposed timeline, including dates, for achieving underground recovery and attaining compliance with these Permit-required activities. Before these activities can resume, however, certain activities must be performed in order to establish the safety and habitability of the work areas in the underground. The UCP will be updated as information becomes available, and these updates will be provided to the NMED for review and comment prior to being incorporated. On September 24, 2014, the NMED notified the Permittees that its review of the draft UCP had been suspended pending the release of the WIPP Recovery Plan. The NMED directed the Permittees, upon finalization of the WIPP Recovery Plan, to submit an updated UCP within 30 days for the NMED's review and comment. Since the WIPP Recovery Plan was released on September 30, 2014, the Permittees will submit the revised UCP to the NMED by October 30, 2014. Future updates to the UCP will be reflected in the monthly reports, as required by Paragraph 18(c) of AO2.

On August 25, 2014, rollback efforts in the underground enabled crews to complete inspections of the Air Intake Shaft and Salt Shaft. Mine phone and public address tests are performed each day an entry is made for those areas in which underground rollback has enabled access.

2.0 Status of Permit-related monitoring activities for this reporting period, as requested per Paragraph 14(a) of AO1 and Paragraph 18(c) of AO2, including the accessibility for personnel performing these Permit-required activities per Paragraph 18(e)(i) of AO2 and the status of recovery activities per Paragraph 18(e)(ii) of AO2:

In accordance with Paragraph 17(a) of AO2, the draft UCP to the NMED was submitted to the NMED by June 26, 2014. On September 24, 2014, the NMED notified the Permittees

that its review of the draft UCP had been suspended pending the release of the WIPP Recovery Plan. The NMED directed the Permittees, upon finalization of the WIPP Recovery Plan, to submit an updated UCP within 30 days for the NMED's review and comment. Since the WIPP Recovery Plan was released on September 30, 2014, the Permittees will submit the revised UCP to the NMED by October 30, 2014. Future updates to the UCP will be reflected in the monthly reports, as required by Paragraph 18(c) of AO2.

Volatile Organic Compound (VOC) Monitoring

Repository VOC monitoring activities (required by Permit Part 4, Section 4.6.2, including Table 4.6.2.3, and associated requirements in Attachment N) are not currently being performed due to the inaccessibility of those portions of the underground required to perform these activities. Additionally, room-based VOC monitoring activities (required by Permit Part 4, Sections 4.4.3 and 4.6.3, Tables 4.4.1 and 4.6.3.2, and associated requirements in Attachment N) cannot currently be performed due to the inaccessibility of those portions of the underground needed to perform these activities.

Surface VOC monitoring is being conducted in lieu of underground monitoring during re-entry and recovery operations. Surface monitoring is being performed to assure that the Permit environmental performance standards (i.e., carcinogenic and non- carcinogenic risk due to VOC emissions from the disposed waste) for surface-based non-waste workers are met. Samples have been collected twice each week at two locations since February 25, 2014. These samples are 24-hour VOC samples collected on the surface near the Training Building, at the south fence line behind the Waste Handling Building (WHB), and at location WQSP-4. These samples are used to quantify VOC exposure to a receptor in the Training Building. The samples at the south fence line and at location WQSP-4 are used to quantify background VOC concentrations in the ambient air. In accordance with Paragraph 19 of AO2, the Permittees began monitoring for trichloroethylene as a target analyte on May 12, 2014.

Geomechanical Monitoring

The purpose of geomechanical monitoring is to confirm the structural integrity of the underground repository. Geomechanical monitoring data are currently being transmitted electronically via remote equipment located in Rooms 6 and 7 of Panel 7 in accordance with Permit Part 4, Section 4.6.1, associated requirements in Attachment A2-5b(2), and Attachment E, Table E-2. Geomechanical monitoring activities that require the manual reading of underground equipment cannot currently be performed due to the inaccessibility of those portions of the underground where these activities are performed. However, visual inspections of the underground areas during recent re-entries have provided information regarding the stability of the underground and identified those areas that require rock-bolting.

Hydrogen and Methane Monitoring

Hydrogen and methane monitoring activities (required by Permit Part 4, Section 4.6.5 and associated requirements in Attachment N1) cannot currently be performed due to the inaccessibility of those portions of the underground where these activities are performed.

Mine Ventilation Rate Monitoring

Mine ventilation rate monitoring activities (required by Permit Part 4, Section 4.6.4 and associated requirements of Attachment O) are currently being performed. However, due to reduced air flow in the underground because of filtration mode, the ventilation rate set forth by the Permit cannot be maintained. Because the ventilation system has been operating in filtration mode since February 14, 2014, with a flow rate of approximately 60,000 standard cubic feet per minute (SCFM), the Permittees will not be able to maintain the minimum running annual average ventilation flow rate of 260,000 SCFM required by Permit Part 4, Section 4.5.3.2. During this reporting period, the calculated running annual average ventilation flow rate was approximately 181,938 SCFM.

3.0 Summary of waste shipment information and any other relevant records that document the site of origin, volumes and receipt dates of TRU waste that is currently located at the facility WHB and parking area unit, as requested per Paragraph 14(c) of AO1, and information specifying the deadlines for each individual waste assembly as it relates to AO1, as requested per Paragraph 14(d) of AO1:

Waste is currently being stored in the WHB. Since the submittal of the last biweekly report, there has been no additional waste placed in storage in the WHB. Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*, has been updated to reflect the new storage deadline pursuant to the September 10, 2014, letter granting an additional 60-day storage extension for the CH TRU mixed waste in the WHB, pending the outcome of the radiological release investigation. This fourth extension for all TRU waste in the WHB expires on November 9, 2014.

4.0 Location of any environmental monitoring equipment, including the identification of whether they are stationary, mobile, or permanent. This includes, but is not limited to, VOC monitoring stations, radiological monitoring stations, meteorological monitoring, surface water monitoring, vegetation sampling. The reports shall include dates of deployment and sampling, and all data that has been produced by these monitoring stations for his reporting period, as requested per Paragraph 14(f) of AO1:

See Attachment 3, *Environmental Monitoring,* which includes tables with the locations of environmental monitoring equipment (including identification whether they are stationary, mobile, or permanent) and new data for this reporting period. Aerial photos and diagrams displaying monitoring locations are included. The following briefly describes the monitoring information in Attachment 3, *Environmental Monitoring*.

- VOC monitoring stations – Portable surface monitoring equipment has been deployed since February 25, 2014. Samples are being collected twice each week at the locations indicated in Attachment 3. The results are included in Attachment 3, *Environmental Monitoring*.
- Radiological monitoring – During this reporting period, monitoring results were below minimum detectable concentrations. The results are included in Attachment 3, *Environmental Monitoring*.

- Environmental air samples – Stationary low volume air samplers continuously sample air at the locations shown in Attachment 3.
- Soil samples – Soil samples were obtained on the dates and locations shown in Attachment 3.
- Surface water samples – Surface water samples were obtained on the dates and at the locations shown in Attachment 3.
- Sediment samples – Sediment samples were obtained on the dates and at the locations shown in Attachment 3.
- Biota (vegetation) samples – Vegetation samples were obtained on the dates and locations shown in Attachment 3.
- Biota (fauna and rabbit) samples – Biotic samples were obtained on the dates shown in Attachment 3.
- Salt samples – Salt samples were obtained on the dates and locations shown in Attachment 3.
- Waste Shaft Sump Water Samples – Water samples were obtained on the dates and locations shown in Attachment 3.

5.0 Updates on activities performed pursuant to the Underground Derived Waste Storage Plan, including a description of any surface and underground derived waste produced, whether the derived waste is mixed or non-mixed, the contents, container type, container location, total container count, and approximate volume of derived waste per container, as requested per Paragraph 14(i) of AO1 and Paragraph 18(d) of AO2:

In accordance with Paragraph 17(b) of AO2, the draft *Underground Derived Waste Storage Plan* was submitted to the NMED by June 26, 2014 for review and comment. Furthermore, the NMED will review and provide comments on any revisions to the *Underground Derived Waste Storage Plan.* However, during this reporting period, no additional derived waste was generated. As recovery efforts progress, any derived waste produced will be reported in Attachment 4, *Surface and Underground Derived Waste Currently in Storage at the WIPP Facility*, which is currently reserved.

6.0 The current status of activities required by the RCRA Contingency Plan, Permit Attachment D, including identification of applicable sections of the Contingency Plan, the schedule for actions required under the Contingency Plan, and any deviations from any Contingency Plan requirements, as requested per Paragraph 18(b) of AO2. Non-applicable sections shall also be identified and explanations shall be provided as to why such sections do not apply:

There has been no change in the status of the RCRA Contingency Plan implementation since the submittal of the last biweekly report. Accordingly, Attachment 5, *Status of RCRA Contingency Plan Required Activities*, is currently reserved.

7.0 The monthly report shall include the submission of a list containing all additional requirements placed upon the WIPP by any state or federal agency relating to corrective actions or recovery and as a result of the incidents

referenced in Paragraphs 8 and 9 of the May 12, 2014, Administrative Order, including requirements by other segments of DOE, as requested by Paragraph 18(f) of AO2:

During this reporting period, no additional requirements were placed upon the Permittees by any other state or federal agency relating to corrective actions or recovery and as a result of the incidents referenced in Paragraphs 8 and 9 of AO2, including requirements by other segments of the DOE. As additional Judgments of Need (JONs) are identified as a result of the completion of subsequent phases of the Accident Investigation Board (AIB) radiological release event investigation, they will be provided in Attachment 6, *Corrective Actions Required for Recovery*, which is currently reserved.

8.0 The Permittees shall provide documentation of the "as found" condition of Panel 7, including relevant photographs of the waste, as requested per Paragraph 18(i) of AO2:

Attachment 7, *As-Found Condition of Panel 7*, was provided to the NMED on June 13, 2014. Re-entries are pending the completion of investigations by the Accident Investigation Board. Therefore, there have been on changes to information provided on June 13, 2014. This attachment is currently reserved.

9.0 The Permittees shall provide documentation of the "as found" condition of Panel 6 partial closure system, including relevant photographs, as requested per Paragraph 18(j) of AO2:

Response was provided to the NMED on June 13, 2014. There were no re-entries to Panel 6 during this reporting period. Therefore, there have been no changes to information provided on June 13, 2014.

10.0 The Permittees shall provide a status of recovery-related activities relative to the underground per Paragraph 18(e)(ii) of AO2 and a summary of recovery-related work performed in Panel 7, including relevant photographs, as requested per Paragraph 18(k) of AO2:

Initial inspections were performed for the area between the Air Intake Shaft and Salt Shaft Station on August 30, 2014. The inspections allowed access to several mine phones and public address systems. As a result, tests were completed for underground mine phones and public address systems in the limited areas. On September 22, 2014, PM was completed on a forklift (74-U-035) while partial PM activities have been completed as of September 25, 2014 on a lube truck. The Permittees cleaned out the S1000 lunchroom, worked in the E140 area around the Waste Station, and began inventory of Self Contained Self Rescuers (SCSRs) during the last week of September. On September 16, 2014, a re-entry to the Waste Shaft Sump was conducted to collect water samples in the sump. The results of the analyses are shown in Attachment 3 *Environmental Monitoring*. As the Permittees continue to conduct recovery activities, additional descriptions will be provided in subsequent reports. Attachment 8, *Panel 7 Recovery-Related Work*, provides a map of the current status of the WIPP underground rollback areas during this reporting period.

Attachment 1
Surface and Underground Inspections

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Air Intake Shaft Hoist	Underground Operations	Preoperational	WP 04-HO1004 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability in accordance with Mine Safety and Health Administration (MSHA) requirements	Current	9/30/14	N/A	Inspection performed daily before Hoist is declared in service.
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Not Current	12/31/13 (Due 3/31/14)	TBD	Shaft is not accessible due to the fire and radiological events, and inspections cannot be performed.
Salt Handling Shaft Hoist	Underground Operations	Preoperational	WP 04-HO1002 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability in accordance with MSHA requirements	Current	9/30/14	N/A	Inspection performed daily before Hoist is declared in service.
Self-Rescuers	Underground Operations	Quarterly	WP 04-AU1026 Inspecting for Deterioration and Functionality in accordance with MSHA requirements	Current	7/1/14	N/A	
Underground Openings—Roof Bolts and Travelways	Underground Operations	Weekly	WP 04-AU1007 Inspecting for Deterioration	Not Current	1/29/14	1/31/16	Not all areas of the underground are accessible, therefore inspections cannot be performed. Note that partial underground openings inspections are being performed by re-entry teams, but not the full weekly underground openings inspection.

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Waste Hoist	Underground Operations	Preoperational	WP 04-HO1003 Inspecting for Deterioration, Safety Equipment, Communication Systems, and Mechanical Operability, Leaks/Spills, in accordance with MSHA requirements	Current	2/5/14	8/31/14	Hoist is not operational; therefore preoperational inspections cannot be performed.
Explosion-Isolation Walls	Underground Operations	Quarterly	Integrity and Deterioration of Accessible Areas	Not Current	2/3/14: (Panel 1 and Panel 2) 11/4/13: (Panel 5)	1/31/16	Structures are not accessible due to the fire and radiological events, and inspections cannot be performed.
Bulkhead in Filled Panels	Underground Operations	Monthly	Integrity and Deterioration of Accessible Areas	Not Current	N/A	1/31/16	Area is not accessible due to the fire and radiological events, and inspections cannot be performed.
MSHA Air Quality Monitor	Maintenance/ Underground Operations	Daily	WP 12-IH1828 Inspecting for Air Quality Monitoring Equipment Functional Check	Current	9/30/14	N/A	Inspection performed prior to underground entry.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	9/28/14	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Ambulances (Underground) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Not Current	2/8/14	1/31/16	Not all equipment is accessible due to the fire and radiological events, therefore inspections cannot be performed. As pieces of equipment are returned to service as part of the underground recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Fire Detection and Alarm System (Underground)	Emergency Services	Semiannually	12-FP0027 Inspecting for Deterioration, Operability of indicator lights and, underground fuel station dry chemical suppression system. Inspection is per NFPA 17	Not Current	2/8/14	1/31/16	Not all equipment is accessible due to the fire and radiological events, therefore inspections cannot be performed. As pieces of equipment are returned to service as part of the underground recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Fire Extinguishers (Surface)	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Current	9/30/14	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Fire Extinguishers (Underground)	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Not Current	2/8/14	1/31/16	Not all fire extinguishers are accessible due to the fire and radiological events, therefore inspections cannot be performed. As extinguishers are returned to service as part of the underground recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031 Inspecting for Deterioration and Leaks/Spills	Current	3/26/14	N/A	
Fire Hydrants	Emergency Services	Semiannual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	Current	11/23/13: (Annual) 3/28/14: (Semiannual)	N/A	
Fire Pumps	Emergency Services	Weekly/annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	Current	9/22/14, 9/29/14	N/A	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Current	9/22/14, 9/23/14, 9/24/14	N/A	A series of building fire sprinkler systems are inspected on a weekly basis so that a complete system inspection is accomplished on a monthly basis.

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Fire and Emergency Response Trucks (Seagrave Fire Apparatus, Emergency One Apparatus)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	9/26/14	N/A	
Fire and Emergency Response Trucks (Underground Rescue Truck)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Not Current	2/8/14	1/31/16	Not all equipment is accessible due to the fire and radiological events, therefore inspections cannot be performed. As pieces of equipment are returned to service as part of the underground recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	9/23/14, 9/30/14	N/A	
Miners First Aid Station	Emergency Services	Quarterly	12-FP0035 Inspecting for Required Equipment	Not Current	2/8/14	1/31/16	As miners first aid stations are recovered and put back into normal service the inspections will be scheduled and performed and dates noted in this table.

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Personal Protective Equipment (not otherwise contained in emergency vehicles or issued to individuals): —Self-Contained Breathing Apparatus	Emergency Services	Weekly	12-FP0029 Inspecting for Deterioration and Pressure	Current	9/27/14	N/A	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	9/25/14	N/A	
Rescue Truck (Underground)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Not Current	2/8/14	1/31/16	As the underground rescue truck is returned to service as part of the recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Vehicle Siren (Surface Vehicles)	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Current	9/25/14, 9/26/14, 9/28/14	N/A	
Vehicle Siren (Underground Vehicles)	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Not Current	2/8/14	1/31/16	See entries above for ambulances, fire trucks and rescue trucks.
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	Current	7/30/14 (41-T-037) 8/25/14 (41-T-038) 9/5/14 (41-T-032)	N/A	There are four ACGLFs, but the pre-operational inspection was only performed on the one fixture listed. The other ACGLFs will be inspected prior to use.

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Contact-Handled (CH) TRU Underground Transporter	Waste Handling	Preoperational	WP 05-WH1603 Inspecting for Mechanical Operability, Deterioration, and area around transporter clear of obstacles	Current	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events.
Conveyance Loading Car	Waste Handling	Preoperational	WP 05-1406 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles and guards in the proper place	Current	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events.
Facility Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1204 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles, and guards in the proper place	Current	9/23/14 (41-H-020A)	N/A	There are two transfer vehicles, but the pre-operational inspection was only performed on the one fixture listed. The other fixtures will be inspected prior to use.
Forklifts Used for Waste Handling (Electric and Diesel forklifts, Push-Pull Attachment) on Surface	Waste Handling	Preoperational	WP 05-WH1201, WP 05-WH1207, WP 05-WH1401, WP 05-WH1402, WP 05-WH1403, and WP 05-WH1412 Inspecting for Mechanical Operability, Deterioration, and On board fire suppression system	Current	9/28/14 (41-H-009) 9/28/14 (41-H-013) 9/5/14 (41-H-051) 8/9/14 (41-T-051) 9/11/14 (41-H-012D) 9/28/14 (41-H-012E)	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Forklifts Used for Waste Handling (Electric and Diesel forklifts, Push-Pull Attachment) in Underground	Waste Handling	Preoperational	WP 05-WH1201, WP 05-WH1207, WP 05-WH1401, WP 05-WH1402, WP 05-WH1403, and WP 05-WH1412 Inspecting for Mechanical Operability, Deterioration, and On board fire suppression system	Current	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events.
Surface TRU Mixed Waste Handling Area	Waste Handling	Preoperational or Weekly	WP 05-WH1101 Inspecting for Deterioration, Leaks/Spills, Required Aisle Space, Posted Warnings, Communication Systems, Container Condition, and Floor coating integrity	Current	9/24/14 (Weekly) 9/30/14 (Daily)	N/A	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Current	12/31/13	N/A	
Underground TRU Mixed Waste Disposal Area	Waste Handling	Preoperational	WP 05-WH1810 Inspecting for Deterioration, Leaks/Spills, mine pager phones, equipment, unobstructed access, signs, debris, and ventilation	Current	2/5/14	When waste disposal operations resume	Waste handling operations are suspended therefore preoperational inspections are not being performed.
TDOP Upender	Waste Handling	Preoperational	WP 05-WH1010 Inspecting for Mechanical Operability and Deterioration	Current	10/9/13	When waste disposal operations resume	Equipment not in use due to the fire and radiological events.
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Current	9/28/14 (41-T-151D)	N/A	There are four cranes, but the pre-operational inspection was only performed on the one crane listed. The other cranes will be inspected prior to use.

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Push-Pull Attachment (Surface)	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Current	7/30/14 (41-T-160A)	N/A	
Push-Pull Attachment (Underground)	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Current	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events.
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Current	9/9/14 (41-H-151B) 9/27/14 (41-H-151A)	N/A	There are three Trailer Jockeys, but the pre-operational inspection was only performed on the one listed. The other Trailer Jockeys will be inspected prior to use.
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Current	6/29/12	When waste disposal operations resume	Equipment is currently out of service.
Yard Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1205 Mechanical Operability, clear of obstacles and Guards in proper place	Current	7/29/14 (41-H-021A) 9/27/14 (41-H-021B)	N/A	There are two yard transfer vehicles (YTVs), but the pre- operational inspection was only performed on the one YTV listed. The other YTV will be inspected prior to use.
Payload Transfer Station	Waste Handling	Preoperational	WP 05-WH1208 Mechanical Operability, Deterioration, and Guards in proper place	Current	8/20/14 (41-Z-041)	N/A	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Current	8/27/14 (41-H-027)	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Bolting Station	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability, Deterioration, and Guards in proper place	Current	8/25/14 (41-T-053A) (41-T-054A)	N/A	
Backup Power Supply Diesel Generators	Facility Operations	Monthly	WP 04-ED1301 Inspecting for Mechanical Operability and Leaks/Spills by starting and operating both generators. Results of this inspection are logged in accordance with WP 04-AD3008.	Current	9/26/14 (#1) 9/27/14 (#2)	N/A	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Current	9/21/14	N/A	
Mine Pager Phones (between surface and underground)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations	Not Current	9/25/14	N/A	Mine phone tests are performed in the accessible areas each day an entry is made. U/G rollback is ongoing, so not all locations are accessible at this time.
Mine Pager Phones (underground)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations	Not Current.	9/25/14	N/A	Mine phone tests are performed in the accessible areas each day an entry is made. U/G rollback is ongoing, so not all locations are accessible at this time.
Public Address (and Intercom System) on Surface	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations Systems operated in test mode	Current	9/25/14	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Public Address (and Intercom System) in Underground	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations Systems operated in test mode	Not Current	9/25/14	N/A	Tests are being performed in the accessible areas each day an entry is made. U/G rollback is ongoing, so not all locations are accessible at this time.
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	Current	9/28/14	N/A	
Uninterruptible Power Supply (Central UPS)	Facility Operations	Daily	WP 04-ED1542 Inspecting for Mechanical Operability and Deterioration with no malfunction alarms. Results of this inspection are logged in accordance with WP 04- AD3008.	Current	9/28/14	N/A	
Water Tank Level	Facility Operations	Daily	SDD-WD00 Inspecting for Deterioration, and water levels. Results of this inspection are logged in accordance with WP 04-AD3008.	Current	9/28/14	N/A	
Facility Inspections (Water Diversion Berms)	Facility Engineering	Annually	WP 10-WC3008 Inspecting for Damage, Impediments to water flow, and Deterioration	Current	9/7/14	N/A	
Eye Wash and Shower Equipment (Surface)	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	Current	9/24/14, 9/29/14, 9/30/14	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Eye Wash and Shower Equipment (Underground)	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	Not Current	N/A	1/31/16	As quipment is returned to service as part of the recovery, the Permit required inspections will be scheduled and performed and the inspection dates will be noted in this table.
Perimeter Fence, Gates, Signs	Security	Daily	PF0-010 Inspecting for Deterioration and Posted Warnings	Current	9/28/14	N/A	
Underground—Geomechanical Instrumentation System (GIS)	Geotechnical Engineering	Monthly	WP 07-EU1301 Inspecting for Deterioration	Current	9/23/14	N/A	Complete at accessible areas.
Ventilation Exhaust	Maintenance Operations	Quarterly	IC041098 Check for Deterioration and Calibration of Mine Ventilation Rate Monitoring Equipment	Not Current	41F30703 Fan A (11/9/13) 41F30704 Fan B (5/20/13) 41F30702 Fan C (12/18/13)	1/31/16	The 700 horse power fans are not in use because underground ventilation system is operating in filtration mode.

[1] Inspection proposed start date of first quarter of calendar year 2016, is an estimate from the WIPP Recovery Plan. Inspections may be initiated prior to 1/31/16 as work zones are released in the underground. Therefore, 1/31/16 is a "placeholder," and proposed start dates may be revised as recovery work progresses.

Attachment 2
TRU Mixed Waste Currently in Storage at the WIPP Facility

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contiainers	Waste Volume[1] (ft^3)
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	11/9/2014	SR139200	6-55G Drums	44.4
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	11/9/2014	SR139201	7-55G Drums	51.8
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:32	11/9/2014	SR139206	4-55G Drums	29.6
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:34	11/9/2014	SR139207	7-55G Drums	51.8
LANL	LA140018	2/1/2014 1:30	1/29/2014 14:25	3/29/2014 14:25	2/1/2014 12:40	11/9/2014	LA139903	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:25	11/9/2014	LA139927	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:26	11/9/2014	LA139928	1 SWB	66.3
INL	IN140037	2/1/2014 21:11	1/30/2014 14:00	3/30/2014 14:00	2/2/2014 10:17	11/9/2014	IN139806	1 TDOP	160
INL	IN140037	2/1/2014 21:11	1/30/2014 14:03	3/30/2014 14:03	2/2/2014 10:24	11/9/2014	IN139814	1 TDOP	160
SRS	SR314011	1/28/2014 14:10	1/22/2014 8:30	3/22/2014 8:30	2/3/2014 12:14	11/9/2014	SR139781	1 SLB2	261
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	11/9/2014	IN139540	1 SWB	66.3
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	11/9/2014	IN139541	1 SWB	66.3
INL	IN140041	2/3/2014 7:13	1/31/2014 13:30	3/31/2014 13:30	2/3/2014 14:37	11/9/2014	IN140062	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:21	3/31/2014 13:21	2/4/2014 9:04	11/9/2014	IN140133	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:40	3/31/2014 13:40	2/4/2014 9:31	11/9/2014	IN140129	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:35	3/31/2014 13:35	2/4/2014 9:37	11/9/2014	IN139266	1 TDOP	160
INL	IN140040	2/3/2014 0:17	1/31/2014 13:13	3/31/2014 13:13	2/4/2014 12:22	11/9/2014	IN139593	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:16	3/31/2014 13:16	2/4/2014 12:55	11/9/2014	IN140144	1 TDOP	160
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:51	11/9/2014	SR139755	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:52	11/9/2014	SR139756	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:00	4/3/2014 10:00	2/4/2014 16:38	11/9/2014	LA139983	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:05	4/3/2014 10:05	2/4/2014 16:44	11/9/2014	LA139972	1 SWB	66.3
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:50	11/9/2014	SR139767	7-55G Drums	51.8

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contiainers	Waste Volume[1] (ft^3)
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:51	11/9/2014	SR139760	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:51	11/9/2014	SR139766	4-55G Drums	29.6
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:52	11/9/2014	SR139761	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:34	11/9/2014	LA139965	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:36	11/9/2014	LA139966	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:12	11/9/2014	LA139990	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:13	11/9/2014	LA139991	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:25	4/4/2014 9:25	2/5/2014 9:32	11/9/2014	LA140008	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:12	11/9/2014	IN140096	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:13	11/9/2014	IN140097	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:30	4/4/2014 9:30	2/11/2014 9:13	11/9/2014	LA140002	1 SWB	66.3
INL	IN140044	2/6/2014 1:09	2/3/2014 13:55	4/3/2014 13:55	2/11/2014 10:00	11/9/2014	IN139670	1 TDOP	160
INL	IN140044	2/6/2014 1:09	2/3/2014 13:52	4/3/2014 13:52	2/11/2014 10:43	11/9/2014	IN139666	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:44	4/3/2014 13:44	2/11/2014 11:00	11/9/2014	IN140205	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:40	4/3/2014 13:40	2/11/2014 11:02	11/9/2014	IN139923	1 TDOP	160
SRS	SR314012	1/31/2014 16:10	1/27/2014 10:48	3/27/2014 10:48	3/26/2014 9:33	11/9/2014	SR139785	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:19	11/9/2014	SR139977	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:20	11/9/2014	SR139978	7-55G Drums	51.8

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contiainers	Waste Volume[1] (ft^3)
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:04	11/9/2014	SR139996	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:05	11/9/2014	SR139997	7-55G Drums	51.8
SRS	SR314013	2/1/2014 15:15	1/28/2014 10:40	3/28/2014 10:40	3/26/2014 18:30	11/9/2014	SR139789	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:40	11/9/2014	SR140015	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:43	11/9/2014	SR140016	7-55G Drums	51.8
INL	IN140044	2/6/2014 1:09	2/3/2014 13:49	4/3/2014 13:49	3/27/2014 10:31	11/9/2014	IN136332	7-55G Drums	51.8
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:48	11/9/2014	IN140078	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:50	11/9/2014	IN140079	1 SWB	66.3
SRS	SR314014	2/4/2014 13:15	1/30/2014 10:30	3/30/2014 10:30	3/27/2014 14:04	11/9/2014	SR139793	1 SLB2	261
INL	IN140043	2/5/2014 0:30	2/1/2014 11:40	4/1/2014 11:40	3/27/2014 14:51	11/9/2014	IN140074	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:34	11/9/2014	IN140090	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:37	11/9/2014	IN140091	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:45	4/1/2014 11:45	3/27/2014 18:08	11/9/2014	IN140070	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:30	11/9/2014	IN140084	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contiainers	Waste Volume[1] (ft^3)
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:36	11/9/2014	IN140085	1 SWB	66.3
INL	IN140045	2/6/2014 1:27	2/3/2014 13:48	4/3/2014 13:48	3/27/2014 19:24	11/9/2014	IN140066	1 SWB	66.3
WIPP2	---	6/13/2014	---	---	---	11/9/2014	WISD0023	1 SWB	66.3
WIPP2	---	6/13/2014	---	---	---	11/9/2014	WISD0033	1 SWB	66.3
WIPP2	---	6/13/2014	---	---	---	11/9/2014	WISD0043	1 SWB	66.3
WIPP2	---	6/13/2014	---	---	---	11/9/2014	WISD0053	1 SWB	66.3
WIPP2	---	6/21/2014	---	---	---	11/9/2014	WISD0063	1 SWB	66.3
WIPP2	---	6/21/2014	---	---	---	11/9/2014	WISD0073	1 SWB	66.3
WIPP2	---	6/24/2014	---	---	---	11/9/2014	WISD0083	1 SWB	66.3
WIPP2	---	6/24/2014	---	---	---	11/9/2014	WISD0093	1 SWB	66.3
WIPP2	---	6/24/2014	---	---	---	11/9/2014	WISD0103	1 SWB	66.3
WIPP2	---	6/24/2014	---	---	---	11/9/2014	WISD0113	1 SWB	66.3
---	---	---	---	---	---	---	---	154 Containers	5,800.4 ft3

[1] 55G Drum=7.4 ft^3, SWB=66.3 ft^3, TDOP=160 ft^3, 85G Drum=11.4 ft^3, 100G Drum=13.4 ft^3, SLB2=261 ft^3 (Permit Part 3, Section 3.3.1)

[2] Waste generated at the WIPP facility as a result of decontamination activities and characterized as derived waste (Permit Part 2, Section 2.3.5)

[3] Derived-waste container number INL – Idaho National Laboratory

LANL – Los Alamos National Laboratory SRS – Savannah River Site

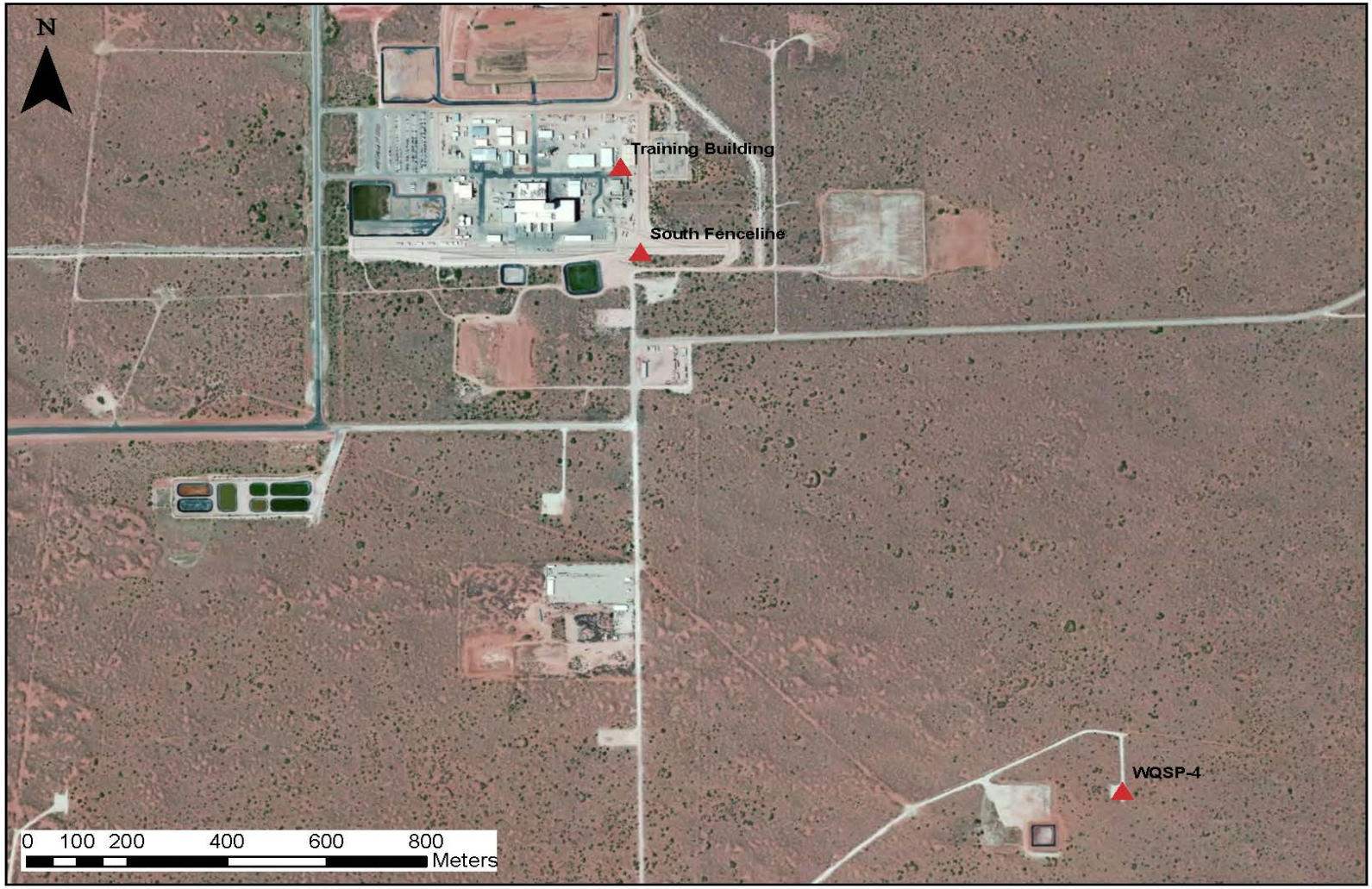
SWB – standard waste box SLB – standard large box TDOP – ten-drum overpack

WHB – Waste Handling Building

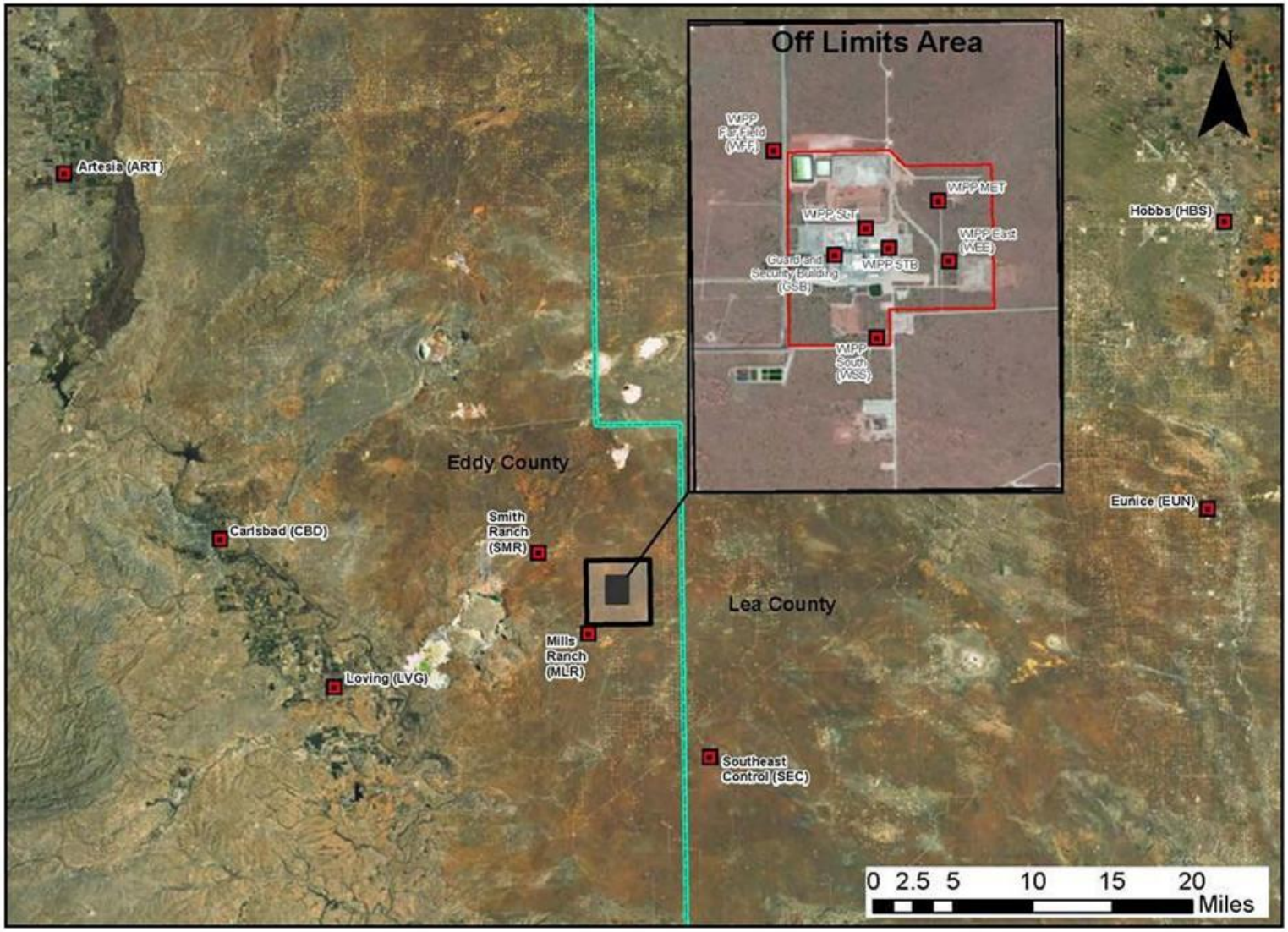
Attachment 3
Environmental Monitoring

This attachment contains the following environmental monitoring data:

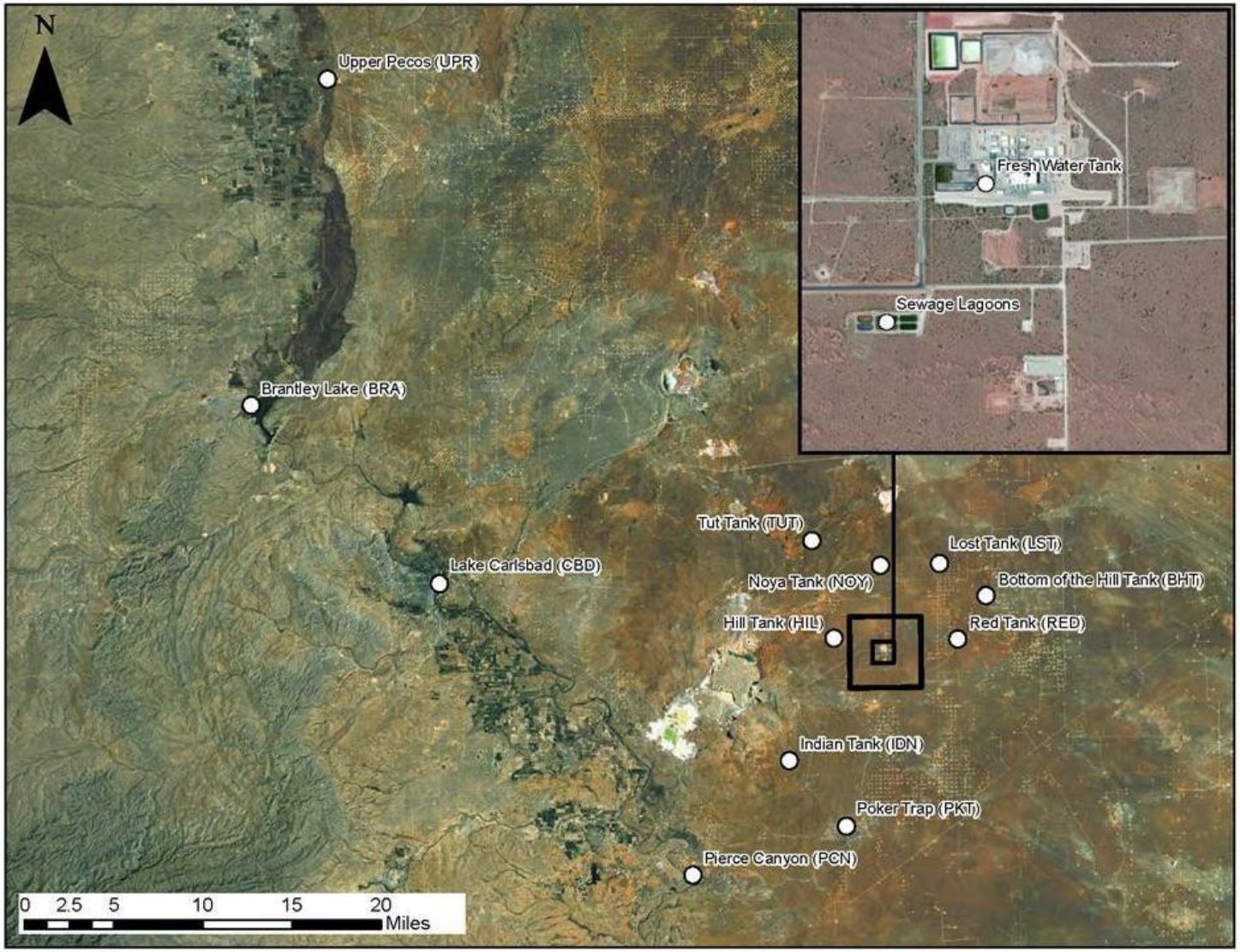
- VOC Monitoring
- Radiological Monitoring
  - Environmental Air Sampling
  - Soil Sampling
  - Surface Water Sampling
  - Sediment Sampling
  - Biota (Vegetation) Sampling
  - Biota (Fauna) Sampling
  - Salt Sampling
  - Waste Shaft Sump Water Sampling



VOC Sampling Locations

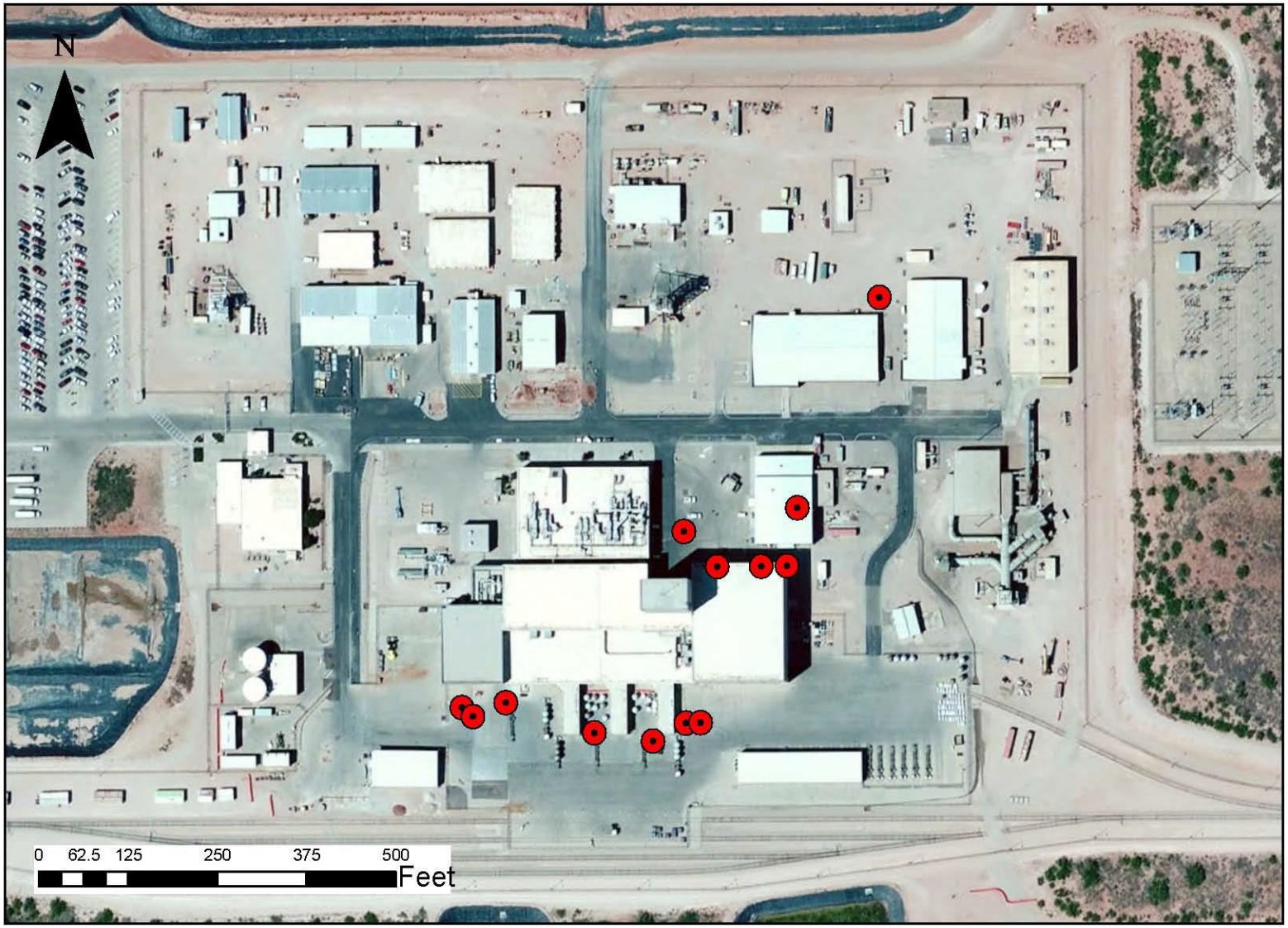


Location of Sampling Sites for Low Volume Air Sampling

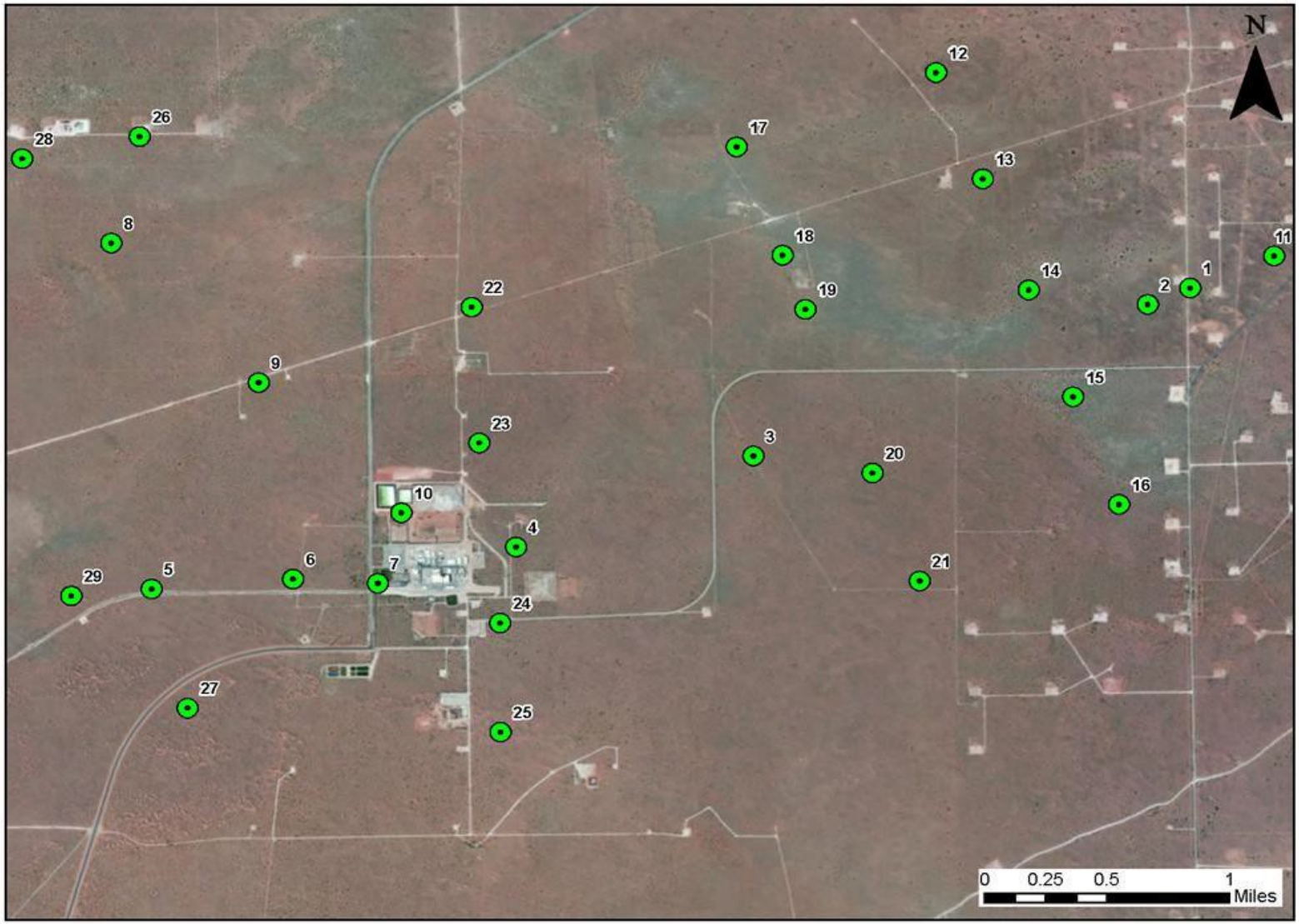


Surface Water Sampling Locations

Surface Watering Sampling Locations (continued)
Sample of Opportunity, July 31, 2014



Surface Watering Sampling Locations (continued)
Sample of Opportunity, August 11, 2014



Soil and Biota - Vegetation GPS Sampling Locations

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
WIPP Far Field (W FF)**	EE-W FF-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W FF-20140701-1.1	07/08/2014		---		---	---
	EE-W FF-20140708-1.1	07/15/2014		---		---	---
	EE-W FF-20140715-1.1	07/22/2014		---		---	---
	EE-W FF-20140722-1.1	07/29/2014		---		---	---
	EE-W FF-20140729-1.1	08/05/2014		---		---	---
WIPP East (W EE)**	EE-W EE-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W EE-20140701-1.1	07/08/2014		---		---	---
	EE-W EE-20140708-1.1	07/15/2014		---		---	---
	EE-W EE-20140715-1.1	07/22/2014		---		---	---
	EE-W EE-20140722-1.1	07/29/2014		---		---	---
	EE-W EE-20140729-1.1	08/05/2014		---		---	---
WIPP South (W SS)**	EE-W SS-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W SS-20140701-1.1	07/08/2014		---		---	---
	EE-W SS-20140708-1.1	07/15/2014		---		---	---
	EE-W SS-20140715-1.1	07/22/2014		---		---	---
	EE-W SS-20140722-1.1	07/29/2014		---		---	---
	EE-W SS-20140729-1.1	08/05/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Mills Ranch (MLR)**	EE-MLR-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-MLR-20140701-1.1	07/08/2014		---		---	---
	EE-MLR-20140708-1.1	07/15/2014		---		---	---
	EE-MLR-20140715-1.1	07/22/2014		---		---	---
	EE-MLR-20140722-1.1	07/29/2014		---		---	---
	EE-MLR-20140729-1.1	08/05/2014		---		---	---
Carlsbad (CBD)**	EE-CBD-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-CBD-20140701-1.1	07/08/2014		---		---	---
	EE-CBD-20140708-1.1	07/15/2014		---		---	---
	EE-CBD-20140715-1.1	07/22/2014		---		---	---
	EE-CBD-20140722-1.1	07/29/2014		---		---	---
	EE-CBD-20140729-1.1	08/05/2014		---		---	---
Smith Ranch (SMR)**	EE-SMR-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-SMR-20140701-1.1	07/08/2014		---		---	---
	EE-SMR-20140708-1.1	07/15/2014		---		---	---
	EE-SMR-20140715-1.1	07/22/2014		---		---	---
	EE-SMR-20140722-1.1	07/29/2014		---		---	---
	EE-SMR-20140729-1.1	08/05/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Southeast Control (SEC)**	EE-SEC-July2014-1.2	---	Below MDC		Below MDC		Below MDC
	EE-SEC-20140701-1.2	07/08/2014		---		---	---
	EE-SEC-20140708-1.2	07/15/2014		---		---	---
	EE-SEC-20140715-1.2	07/22/2014		---		---	---
	EE-SEC-20140722-1.2	07/29/2014		---		---	---
	EE-SEC-20140729-1.2	08/05/2014		---		---	---
Southeast Control (SEC) co-located**	EE-SEC-July2014-2.2	---	Below MDC		Below MDC		Below MDC
	EE-SEC-20140701-2.2	07/08/2014		---		---	---
	EE-SEC-20140708-2.2	07/15/2014		---		---	---
	EE-SEC-20140715-2.2	07/22/2014		---		---	---
	EE-SEC-20140722-2.2	07/29/2014		---		---	---
	EE-SEC-20140729-2.2	08/05/2014		---		---	---
Meteorology Tower Building (MET)† **	EE-MET-July2014-1.2	---	Below MDC		Below MDC		Below MDC
	EE-MET-20140701-1.2	07/08/2014		---		---	---
	EE-MET-20140708-1.2	07/15/2014		---		---	---
	EE-MET-20140715-1.2††	07/22/2014		---		---	---
	EE-MET-20140722-1.2	07/29/2014		---		---	---
	EE-MET-20140729-1.2	08/05/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Meteorology Tower Building (MET) co-located † **	EE-MET-July2014-2.2	---	Below MDC		Below MDC		Below MDC
	EE-MET-20140701-2.2	07/08/2014		---		---	---
	EE-MET-20140708-2.2	07/15/2014		---		---	---
	EE-MET-20140715-2.2	07/22/2014		---		---	---
	EE-MET-20140722-2.2	07/29/2014		---		---	---
	EE-MET-20140729-2.2	08/05/2014		---		---	---
Salt Hoist (SLT)† **	EE-SLT-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-SLT-20140701-1.1††	07/08/2014		---		---	---
	EE-SLT-20140708-1.1	07/15/2014		---		---	---
	EE-SLT-20140715-1.1	07/22/2014		---		---	---
	EE-SLT-20140722-1.1	07/29/2014		---		---	---
	EE-SLT-20140729-1.1	08/05/2014		---		---	---
Southeast of Training Building (STB)† **	EE-STB-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-STB-20140701-1.1	07/08/2014		---		---	---
	EE-STB-20140708-1.1	07/15/2014		---		---	---
	EE-STB-20140715-1.1	07/22/2014		---		---	---
	EE-STB-20140722-1.1	07/29/2014		---		---	---
	EE-STB-20140729-1.1	08/05/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Guard and Security Building (GSB)‡ **	EE-GSB-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-GSB-20140701-1.1	07/08/2014		---		---	---
	EE-GSB-20140708-1.1	07/15/2014		---		---	---
	EE-GSB-20140715-1.1	07/22/2014		---		---	---
	EE-GSB-20140722-1.1	07/29/2014		---		---	---
	EE-GSB-20140729-1.1	08/05/2014		---		---	---
Artesia (ART)§ **	EE-ART-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-ART-20140701-1.1	07/08/2014		---		---	---
	EE-ART-20140708-1.1	07/15/2014		---		---	---
	EE-ART-20140715-1.1	07/22/2014		---		---	---
	EE-ART-20140722-1.1	07/29/2014		---		---	---
	EE-ART-20140729-1.1	08/05/2014		---		---	---
Eunice (EUN)§ **	EE-EUN-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-EUN-20140701-1.1	07/08/2014		---		---	---
	EE-EUN-20140708-1.1	07/15/2014		---		---	---
	EE-EUN-20140715-1.1	07/22/2014		---		---	---
	EE-EUN-20140722-1.1	07/29/2014		---		---	---
	EE-EUN-20140729-1.1††	08/05/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Hobbs (HBS)§ **	EE-HBS-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-HBS-20140701-1.1	07/08/2014		---		---	---
	EE-HBS-20140708-1.1	07/15/2014		---		---	---
	EE-HBS-20140715-1.1	07/22/2014		---		---	---
	EE-HBS-20140722-1.1	07/29/2014		---		---	---
	EE-HBS-20140729-1.1	08/05/2014		---		---	---
Loving (LVG)§ **	EE-LVG-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-LVG-20140701-1.1	07/08/2014		---		---	---
	EE-LVG-20140708-1.1	07/15/2014		---		---	---
	EE-LVG-20140715-1.1	07/22/2014		---		---	---
	EE-LVG-20140722-1.1	07/29/2014		---		---	---
	EE-LVG-20140729-1.1	08/05/2014		---		---	---
Potash Mines Road (PMR)‡‡	EE-PMR-July2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-PMR-20140731-1.1	08/05/2014		---		---	---
WIPP Far Field (W FF)**	EE-W FF-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W FF-20140805-1.1	08/12/2014		---		---	---
	EE-W FF-20140812-1.1	08/19/2014		---		---	---
	EE-W FF-20140819-1.1	08/26/2014		---		---	---
WIPP East (W EE)**	EE-W EE-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W EE-20140805-1.1	08/12/2014		---		---	---
	EE-W EE-20140812-1.1	08/19/2014		---		---	---
	EE-W EE-20140819-1.1	08/26/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
WIPP South (W SS)**	EE-W SS-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-W SS-20140805-1.1	08/12/2014		---		---	---
	EE-W SS-20140812-1.1	08/19/2014		---		---	---
	EE-W SS-20140819-1.1	08/26/2014		---		---	---
Mills Ranch (MLR)**	EE-MLR-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-MLR-20140805-1.1	08/12/2014		---		---	---
	EE-MLR-20140812-1.1	08/19/2014		---		---	---
	EE-MLR-20140819-1.1	08/26/2014		---		---	---
Carlsbad (CBD)**	EE-CBD-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-CBD-20140805-1.1	08/12/2014		---		---	---
	EE-CBD-20140812-1.1	08/19/2014		---		---	---
	EE-CBD-20140819-1.1	08/26/2014		---		---	---
Smith Ranch (SMR)**	EE-SMR-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-SMR-20140805-1.1	08/12/2014		---		---	---
	EE-SMR-20140812-1.1	08/19/2014		---		---	---
	EE-SMR-20140819-1.1	08/26/2014		---		---	---
Southeast Control (SEC)**	EE-SEC-Aug2014-1.2	---	Below MDC		Below MDC		Below MDC
	EE-SEC-20140805-1.2	08/12/2014		---		---	---
	EE-SEC-20140812-1.2	08/19/2014		---		---	---
	EE-SEC-20140819-1.2	08/26/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Southeast Control (SEC) co-located**	EE-SEC-Aug2014-2.2	---	Below MDC		Below MDC		Below MDC
	EE-SEC-20140805-2.2	08/12/2014		---		---	---
	EE-SEC-20140812-2.2	08/19/2014		---		---	---
	EE-SEC-20140819-2.2	08/26/2014		---		---	---
Meteorology Tower Building (MET)† **	EE-MET-Aug2014-1.2	---	Below MDC		Below MDC		Below MDC
	EE-MET-20140805-1.2	08/12/2014		---		---	---
	EE-MET-20140812-1.2	08/19/2014		---		---	---
	EE-MET-20140819-1.2	08/26/2014		---		---	---
Meteorology Tower Building (MET) co-located † **	EE-MET-Aug2014-2.2	---	Below MDC		Below MDC		Below MDC
	EE-MET-20140805-2.2	08/12/2014		---		---	---
	EE-MET-20140812-2.2	08/19/2014		---		---	---
	EE-MET-20140819-2.2	08/26/2014		---		---	---
Salt Hoist (SLT)† **	EE-SLT-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-SLT-20140805-1.1	08/12/2014		---		---	---
	EE-SLT-20140812-1.1	08/19/2014		---		---	---
	EE-SLT-20140819-1.1	08/26/2014		---		---	---
Southeast of Training Building (STB)† **	EE-STB-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-STB-20140805-1.1	08/12/2014		---		---	---
	EE-STB-20140812-1.1	08/19/2014		---		---	---
	EE-STB-20140819-1.1	08/26/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Guard and Security Building (GSB)‡ **	EE-GSB-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-GSB-20140805-1.1	08/12/2014		---		---	---
	EE-GSB-20140812-1.1	08/19/2014		---		---	---
	EE-GSB-20140819-1.1	08/26/2014		---		---	---
Artesia (ART)§ **	EE-ART-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-ART-20140805-1.1	08/12/2014		---		---	---
	EE-ART-20140812-1.1	08/19/2014		---		---	---
	EE-ART-20140819-1.1	08/26/2014		---		---	---
Eunice (EUN)§ **	EE-EUN-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-EUN-20140805-1.1	08/12/2014		---		---	---
	EE-EUN-20140812-1.1	08/19/2014		---		---	---
	EE-EUN-20140819-1.1	08/26/2014		---		---	---
Hobbs (HBS)§ **	EE-HBS-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-HBS-20140805-1.1	08/12/2014		---		---	---
	EE-HBS-20140812-1.1	08/19/2014		---		---	---
	EE-HBS-20140819-1.1	08/27/2014		---		---	---
Loving (LVG)§ **	EE-LVG-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-LVG-20140805-1.1	08/12/2014		---		---	---
	EE-LVG-20140812-1.1	08/19/2014		---		---	---
	EE-LVG-20140819-1.1	08/26/2014		---		---	---

Environmental Airborne Particulates (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry				
			Am-241 (dpm/sample)		Pu-238 (dpm/sample)		Pu-239/240 (dpm/sample)
Potash Mines Road (PMR)‡‡	EE-PMR-Aug2014-1.1	---	Below MDC		Below MDC		Below MDC
	EE-PMR-20140805-1.1	08/12/2014		---		---	---
	EE-PMR-20140812-1.1	08/19/2014		---		---	---
	EE-PMR-20140819-1.1	08/26/2014		---		---	---

† This sampling location was initiated on March 4, 2014.

‡ This sampling location was initiated on March 25, 2014.

§ This sampling location was initiated on April 10, 2014.

** June, July, and August monthly filter composites were analyzed. Filters collected after August will be archived

†† Sample aborted, filter not included in composite analysis.

‡‡ This sampling location was initiated on July 31, 2014. July (includes only one filter) and August monthly filter composites will be analyzed. Filters collected after August will be archived for sample analysis, if needed.

Note: Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected.

MDC ranges:

MDC Am-241 (dpm/sample): 1.89E-02 to 5.05E-01

MDC Pu-238 (dpm/sample): 1.89E-02 to 1.57E+01

MDC Pu-239/240 (dpm/sample): 1.70E-02 to 5.94E-01

Environmental Surface Water Sampling (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
Sample of Opportunity†	WS-SOO-20140731-1.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140731-2.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140731-3.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140731-4.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140731-5.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140731-6.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140731-7.8	7/31/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140731-8.8	7/31/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-1.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-2.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140811-3.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-4.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-5.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-6.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-7.9	8/11/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140811-8.9	8/11/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140811-9.9	8/11/2014	Below MDC	Below MDC	Below MDC

† These samples were collected during a rain event. The samples were taken from a WIPP site building roof top and roadway drainage.

MDC ranges:

MDC Am-241 (dpm/L): 4.34E-02 to 8.25E-02

MDC Pu-238 (dpm/L): 2.84E-02 to 6.69E-02

MDC Pu-239/240 (dpm/L): 3.01E-02 to 6.60E-02

Environmental Biota Sampling – Fauna (September 30, 2014)

Tissue Type/Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Biotic Rabbit/Sample of Opportunity	BR-SOO-20140515-1.1	5/15/2014	Below MDC	Below MDC	Below MDC
Biotic Deer/Sample of Opportunity	BD-SOO-20140605-1.2	6/5/2014	Below MDC	Below MDC	Below MDC
Biotic Deer/Sample of Opportunity (Dup)	BD-SOO-20140605-2.2	6/5/2014	Below MDC	Below MDC	Below MDC
Biotic Rabbit/Sample of Opportunity	BR-SOO-20140729-1.1	7/29/2014	Below MDC	Below MDC	Below MDC

MDCs ranges:

MDC Am-241 (dpm/g): 2.01E-02 to 2.53E-02

MDC Pu-238 (dpm/g): 1.39E-02 to 1.88E-02

MDC Pu-239/240 (dpm/g): 8.63E-03 to 1.40E-02

Environmental Biota Sampling – Vegetation (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-20140710-1.1	7/10/2014	Below MDC	Below MDC	Below MDC
WIPP East	BV-WEE-20140710-1.2	7/10/2014	Below MDC	Below MDC	Below MDC
WIPP East (Duplicate)	BV-WEE-20140710-2.2	7/10/2014	Below MDC	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140711-1.1	7/11/2014	Below MDC	Below MDC	Below MDC
WIPP South	BV-WSS-20140807-1.1	8/7/2014	Below MDC	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140807-1.1	8/7/2014	Below MDC	Below MDC	Below MDC
Southeast Control	BV-SEC-20140807-1.1	8/7/2014	Below MDC	Below MDC	Below MDC

Note: Vegetation samples were collected adjacent to air sampling locations.

MDC ranges:

MDC Am-241 (dpm/g): 2.32E-02 to 3.38E-02

MDC Pu-238 (dpm/g): 1.58E-02 to 2.17E-02

MDC Pu-239/240 (dpm/g): 1.04E-02 to 2.88E-02

Environmental Groundwater Sampling (September 30, 2014)

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
WQSP-4	GW-WQ4-C-R36-N8	4/16/2014	Below MDC	Below MDC	Below MDC
WQSP-4 (Duplicate)	GW-WQ4-C-R36-N8D	4/16/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU4-C-R36-N9	4/16/2014	Below MDC	Below MDC	Below MDC
WQSP-5	GW-WQ5-C-R36-N8	4/29/2014	Below MDC	Below MDC	Below MDC
WQSP-5 (Duplicate)	GW-WQ5-C-R36-N8D	4/29/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU5-C-R36-N9	4/29/2014	Below MDC	Below MDC	Below MDC
WQSP-6	GW-WQ6-C-R36-N8	5/13/2014	Below MDC	Below MDC	Below MDC
WQSP-6 (Duplicate)	GW-WQ6-C-R36-N8D	5/13/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU6-C-R36-N9	5/13/2014	Below MDC	Below MDC	Below MDC
WQSP-1	GW-WQ1-C-R36-N8	5/28/2014	Below MDC	Below MDC	Below MDC
WQSP-1 (Duplicate)	GW-WQ1-C-R36-N8D	5/28/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU1-C-R36-N9	5/28/2014	Below MDC	Below MDC	Below MDC
WQSP-2	GW-WQ2-C-R36-N8	6/10/2014	Below MDC	Below MDC	Below MDC
WQSP-2 (Duplicate)	GW-WQ2-C-R36-N8D	6/10/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU2-C-R36-N9	6/10/2014	Below MDC	Below MDC	Below MDC
WQSP-3	GW-WQ3-C-R36-N8	6/25/2014	Below MDC	Below MDC	Below MDC
WQSP-3 (Duplicate)	GW-WQ3-C-R36-N8D	6/25/2014	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU3-C-R36-N9	6/25/2014	Below MDC	Below MDC	Below MDC

MDC ranges:

MDC Am-241 (dpm/L): 4.21E-02 to 6.67E-02

MDC Pu-238 (dpm/L): 3.01E-02 to 5.96E-02

MDC Pu-239/240 (dpm/L): 2.59E-02 to 8.56E-02

Groundwater Purge Water Characterization Sampling (September 30, 2014)

Sample Description	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
WQSP-4, WQSP-5 Purge	WST-14-029	4/30/2014	Below MDC	Below MDC	Below MDC
WQSP-4, WQSP-5 Purge (Dup)	WST-14-030	4/30/2014	Below MDC	Below MDC	Below MDC
AEC-7R Purge	WST-14-033	4/30/2014	Below MDC	Below MDC	Below MDC
Field Blank	WST-14-034	4/30/2014	Below MDC	Below MDC	Below MDC
WQSP-1, WQSP-6, WQSP-6A Purge	WST-14-049	6/17/2014	Below MDC	Below MDC	Below MDC
Field Blank	WST-14-050	6/17/2014	Below MDC	Below MDC	Below MDC
WQSP-2, WQSP-3 Purge	WST-14-063	7/22/2014	Below MDC	Below MDC	Below MDC

Samples collected per procedure WP 02-EC1001.

MDC ranges:

MDC Am-241 (dpm/L): 4.99E-02 to 7.83E-02

MDC Pu-238 (dpm/L): 3.14E-02 to 6.15E-02

MDC Pu-239/240 (dpm/L): 3.25E-02 to 4.40E-02

Waste Shaft Sump Water Characterization Sampling (September 30, 2014)

Sample Description	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
Waste Shaft Sump Water	WST-14-078	9/16/2014	Below MDC	N/A	N/A
Waste Shaft Sump Water (Dup)	WST-14-079	9/16/2014	Below MDC	N/A	N/A
Field Blank	WST-14-080	9/16/2014	Below MDC	N/A	N/A

Samples collected per procedure WP 02-EC1001.

MDC ranges:

MDC Am-241 (dpm/L): 48.8 to 65.1

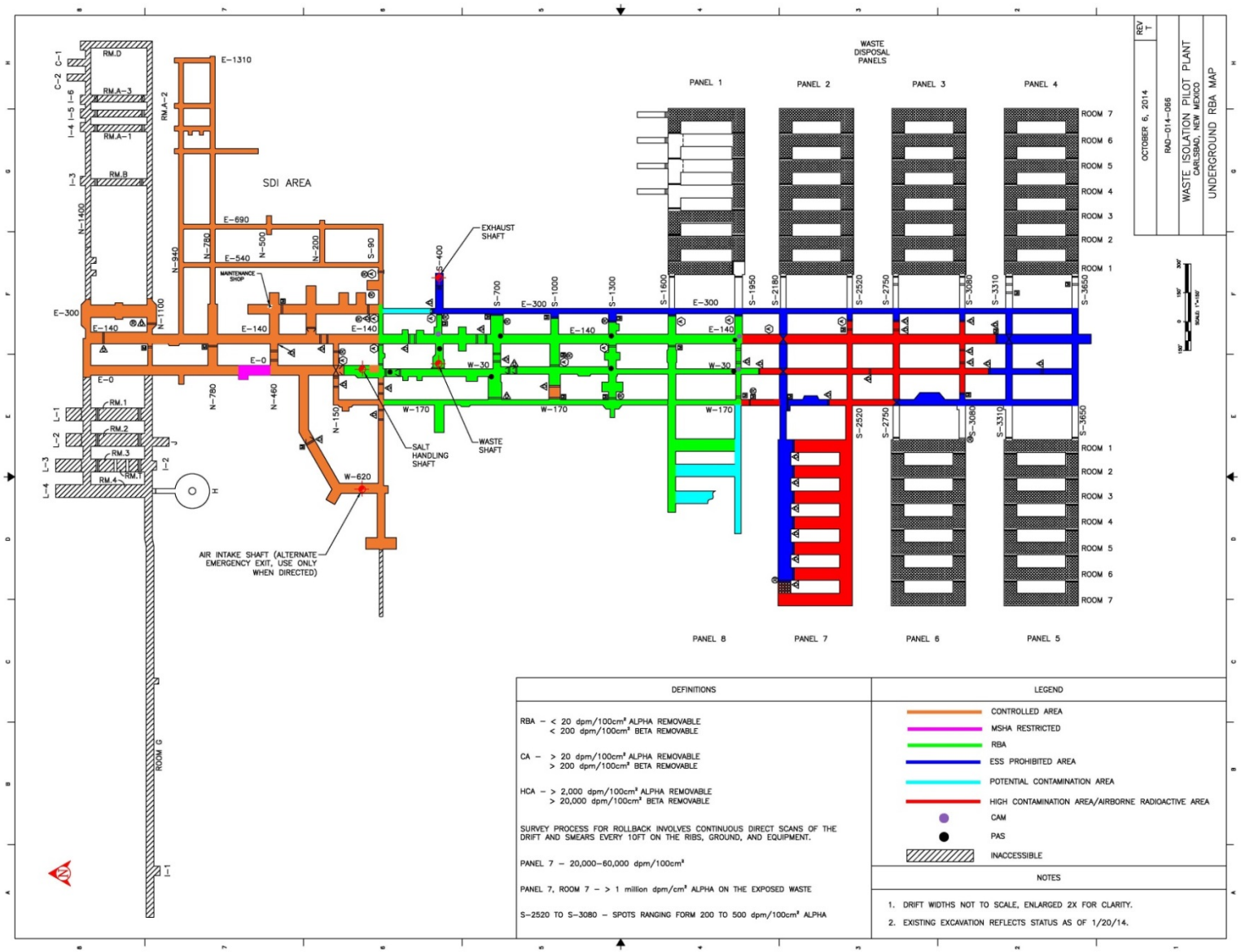
Attachment 4
Surface and Underground Derived Waste Currently in Storage at the WIPP Facility
(reserved)

Attachment 5
Status of RCRA Contingency Plan Required Activities (reserved)

Attachment 6
Corrective Actions Required for Recovery (reserved)

Attachment 7
As-Found Condition of Panel 7 (reserved)

Attachment 8
Panel 7 Recovery-Related Work



Status of the WIPP Underground Rollback Areas for this Reporting Period