



Department of Energy

Carlsbad Field Office
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JUL 31 2015

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

Ms. Kathryn Roberts, Director
Resource Protection Division
Harold Runnels Building
1190 Saint Francis Drive, Room 4050
Santa Fe, NM 87502-5469

Subject: Monthly Report for the Reporting Period ending June 30, 2015, as required by NMED Administrative Orders dated February 27, 2014 and May 12, 2014, as amended by NMED Directives dated August 29, 2014, and December 9, 2014

Dear Mr. Kieling and Ms. Roberts:

The purpose of this letter is to transmit the monthly report for the reporting period ending June 30, 2015, as required 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, and December 9, 2014, directives from Ryan Flynn to Messrs. Franco and McQuinn. This paper copy of the 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 according to 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,

Original Signatures on File

Dana C. Bryson / Acting Manager
Carlsbad Field Office

Philip J. Breidenbach, Project Manager
Nuclear Waste Partnership LLC

Enclosure

cc: w/enclosure
T. Kliphuis, NMED * ED
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*ED denotes electronic distribution

Monthly Status Report for the New Mexico Environment Department Administrative Orders

Reporting Period June 1, 2015, through June 30, 2015

Introduction

The New Mexico Environment Department (NMED) has issued two Administrative Orders (AOs) to provide requirements for monitoring and reporting to the NMED concerning the status of recovery from two events. On February 5, 2014, a vehicle fire occurred in the Waste Isolation Pilot Plant (WIPP) underground, resulting in temporary suspension of normal operations and waste shipments from generator sites. On February 14, 2014, while the fire investigation was still underway, a radiological event occurred in the WIPP underground facility.

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 restriction on access to the underground. The second administrative order 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 with the submittal being due to NMED no later than the 15th of the month for activities conducted during the previous month. A new directive from the Secretary of the NMED was issued on December 9, 2014, which amended the submittal frequency for this report. The new due date for the monthly submittal shall be the last day of the subsequent month for activities conducted during the previous month.

This report serves to fulfill the monitoring and reporting requirements set forth by AO1 and AO2, as amended by the NMED directives dated August 29, 2014, and December 9, 2014. In accordance with Paragraph 18(a) of AO2, subsequent reports will identify new information since the previous reporting period. The following sections combine the information required by both orders, as appropriate, and provide references to the applicable paragraphs from AO1 and AO2.

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:

Attachment 1, *Surface and Underground Inspections*, shows the current status of each Permit-required inspection, including accessibility of underground equipment for personnel performing the inspections. The Permit-related inspection list was taken from Permit Attachment E, Table E-1. Inspections and preventative maintenance (PM) are not required for equipment that is out of service. 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. Prior to commencing RH TRU waste handling operations, PMs and/or inspections will be brought into a current/compliant status.

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, and a subsequent letter from the NMED dated September 24, 2014, the Permittees submitted a revised draft of the underground compliance plan (UCP) on October 30, 2014, for NMED's review and comment. 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. Currently, certain monitoring activities cannot be performed due to the inaccessibility to those portions of the underground where monitoring activities occur. The UCP contains a compliance schedule including a proposed timeline, including dates, for achieving underground recovery and attaining compliance with these Permit-required activities. A status of these activities, as described in 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 recovery operations utilizing portable passive air sampling kits. 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 satisfied. Samples are being collected twice each week at one location on-site and one location off-site. The two monitoring locations, which are 24-hour VOC samples, are collected on the surface near the Training Building and at an off-site location (WQSP-4) approximately a mile southeast of the Training Building. These samples are used to quantify VOC exposure to a receptor (surface worker) in the Training Building. The sample on-site and the sample at location WQSP-4 are used to quantify 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.

Disposal room VOC monitoring is not being conducted in the underground as stated above. This does not pose a threat to underground waste workers because waste handling is not underway in the underground, and no emplacement rooms are active. Disposal room monitoring will be restarted prior to resuming waste emplacement activities.

Geomechanical Monitoring

The purpose of geomechanical monitoring is to confirm the structural integrity of the underground repository. Geomechanical monitoring data is transmitted electronically via remote instruments located in Room 6 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. Bolting has resumed as part of recovery activities in the underground. More than 2,600 bolts have been installed in the underground since bolting activities resumed in November 2014 and catchup bolting is 80 percent complete.

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. This does not pose a threat to underground waste workers because underground activities are not underway in the vicinity of Panels 3 and 4. Hydrogen and methane monitoring will be restarted during recovery.

Mine Ventilation Rate Monitoring

Mine ventilation rate monitoring activities (required by Permit Part 4, Section 4.6.4 and associated requirements of Permit Attachment O) are currently being performed. However, due to reduced air flow in the underground because of operating in filtration mode, the minimum running annual average ventilation rate set forth by the Permit cannot be maintained. Pursuant to the Nitrate Salt Bearing Waste Container Isolation Plan, Revision 2, Section 3, high-efficiency particulate (HEPA) filtration of underground exhaust air is continuing. 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 calculated running annual average ventilation flow rate as of June 30, 2015, was approximately 59,953 SCFM. Surface VOC monitoring is being used to ensure the reduced flow rate does not pose a threat to the surface non-waste worker.

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 temporarily stored in the Waste Handling Building (WHB). Since the submittal of the last monthly report, there has been no additional waste placed in storage in the WHB; however, on May 1, 2015, the NMED granted an additional extension of storage time for TRU mixed waste in the WHB in accordance with AO1 and the NMED letter dated November 7, 2014. This fifth storage extension expires on June 30, 2016. Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*, has been updated to reflect this new storage deadline.

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.
 - No validated data were available during this reporting period. The latest update occurred May 31, 2015.
- Radiological monitoring – During this reporting period, monitoring results were below minimum detectable concentrations. The results are included in Attachment 3, *Environmental Monitoring*.
 - Groundwater samples – Groundwater samples were obtained on the dates shown in Attachment 3.
 - Surface Water samples – Surface water samples were obtained on the dates shown in Attachment 3.
 - Soil samples – Soil samples were obtained on the dates shown in Attachment 3.
 - Biota/Fauna samples – Fauna sample was obtained on the date 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 (UDWSP)* was submitted to the NMED by June 26, 2014 for review and comment. On December 2, 2014, NMED provided comments on the UDWSP and notified the Permittees that the draft UDWSP had been approved. The Permittees addressed the comments, incorporated changes and resubmitted the UDWSP to NMED on January 6, 2015. During this reporting period, no additional derived waste was generated. However, Attachment 4, *Surface and Underground Derived Waste Currently in Storage at the WIPP Facility*, has been updated to reflect the new WHB storage deadline of June 30, 2016, which is discussed in Section 3.0 of this monthly report.

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 monthly report. Attachment 5, *Status of RCRA Contingency Plan Required Activities*, was last updated November 30, 2014.

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 U.S. Department of Energy (DOE). Attachment 6, *Corrective Actions Required for Recovery*, was last updated April 30, 2015.

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:

On May 20, 2015, isolation of nitrate salt bearing waste containers was completed with the closure of Panel 7, Room 7. This action item is complete; therefore, status updates are no longer required.

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:

WIPP personnel completed the initial closure of Panel 6 in May 2015. This action item is complete; therefore, status updates are no longer required.

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:

The independent Technical Assistance Team (TAT) confirmed that one drum in Panel 7, Room 7, from LANL was responsible for the 2014 radiological release. The report concluded that the drum contained chemically incompatible materials, ultimately leading to the release. The *overarching conclusion* is that chemically incompatible contents of Drum 68660 from LANL in combination with physical conditions (e.g., the configuration of the materials in the drum) supported exothermic chemical reactions leading to a thermal runaway; the consequent build-up of gases within the drum displaced the drum lid, venting

radioactive materials and hot matter that further reacted with air or other materials outside the drum to cause the damage observed in WIPP Panel 7, Room 7.

In April 2015, the Department of Energy Office of Environmental Management (EM) released the Accident Investigation Board (AIB) Phase 2 Report related to the February 14, 2014 radiological event. The AIB concluded that the release was caused by an exothermic reaction involving the mixture of organic materials and nitrate salts in one drum that was processed at LANL in December 2013. The AIB also concluded that an underground salt haul truck fire that occurred at WIPP on February 5, 2014, did not cause or contribute to the radiological release event.

Consistent with the WIPP Recovery Plan, the focus of underground entries has been on radiological characterization and rollback, geotechnical evaluation, habitability surveys, clean up, electrical and mechanical evaluation of systems, and equipment and repairs as needed to support bolting and initial panel closure activities. In May 2015, initial closure of Panel 6 and closure of Panel 7, Room 7 were completed.

Radiological characterization and rollback continued in Panel 7, Rooms 1-5, and the S-2520 drift. Based on extensive radiological survey results, some areas near the remote-handled waste wall shield plugs, showed higher than contamination area (CA) levels; therefore, this area will continue to be monitored as a high contamination area. See *Attachment 7, Panel 7 Recovery-Related Work* for an updated rollback map.

Additional recovery activities underground are progressing, which includes electrical distribution restoration and combustible material removal/storage. Electrical distribution restoration is 80 percent complete, and combustible material removal/storage is 95 percent complete. Establishment of an underground Combustible Restricted Area to protect the egress of underground WIPP workers is nearing completion.

As the Permittees continue to conduct recovery-related activities, additional descriptions will be provided in subsequent reports.

Attachment 1
Surface and Underground Inspections

Monthly Status Report for June 1, 2015, through June 30, 2015

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	6/24/15	N/A	
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Current	5/27/15	N/A	
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	6/30/15	N/A	
Self-Rescuers	Underground Operations	Quarterly	WP 04-AU1026 Inspecting for Deterioration and Functionality in accordance with MSHA requirements	Current	6/30/15	N/A	
Underground Openings—Roof Bolts and Travelways	Underground Operations	Weekly	WP 04-AU1007 Inspecting for Deterioration	Current	6/25/15	N/A	

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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	6/30/15	N/A	Hoist is operational for conveyance of equipment and emergency egress.
Explosion-Isolation Walls	Underground Operations	Quarterly	Integrity and Deterioration of Accessible Areas	Current	5/13/15	N/A	Access prohibited to Panels 1-4.
Bulkhead in Filled Panels	Underground Operations	Monthly	Integrity and Deterioration of Accessible Areas	Not Current	5/13/15	N/A	Access prohibited to Panels 1-4.
MSHA Air Quality Monitor	Maintenance/ Underground Operations	Daily	WP 12-IH1828 Inspecting for Air Quality Monitoring Equipment Functional Check	Current	6/30/15	N/A	
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	6/15/15	N/A	
Ambulances (Underground) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current for Ambulance on Site	6/21/15	N/A	There are two underground ambulances on the equipment list, but one is still awaiting arrival to the site. Pre-operational inspections are being performed on the other ambulance.

Monthly Status Report for June 1, 2015, through June 30, 2015

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 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	Current	1/8/15	N/A	
Fire Extinguishers (Surface)	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Current	6/28/15	N/A	
Fire Extinguishers (Underground)	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Current	6/28/15	N/A	
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031 Inspecting for Deterioration and Leaks/Spills	Current	2/28/15	N/A	
Fire Hydrants	Emergency Services	Semiannual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	Current	3/28/15: (Semiannual) 7/15/14: (Annual)	N/A	
Fire Pumps	Emergency Services	Weekly/ annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	Current	6/29/15	N/A	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Current	6/29/15	N/A	

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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 (Surface Fire Trucks)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	6/19/15, 6/20/15	N/A	
Fire and Emergency Response Trucks (Underground Fire Suppression Vehicles)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current for vehicle on site.	6/21/15	N/A	There are 8 underground fire suppression vehicles on the equipment list, with seven awaiting arrival to the site. Weekly inspections are being performed to the on-site underground fire suppression vehicle.
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	6/30/15	N/A	
Miners First Aid Station	Emergency Services	Quarterly	12-FP0035 Inspecting for Required Equipment	Current	4/1/15	N/A	
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 (See Comment)	4/25/15 (See Comment)	N/A	Self-Contained Breathing Apparatuses are currently located on the emergency vehicles and weekly inspections are being performed as related emergency supplies and equipment are updated.

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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
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	6/18/15	N/A	
Rescue Trucks (Underground)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Not Current for truck on site.	2-8-14		There are two underground rescue trucks on the equipment list, but one is still awaiting arrival to the site. Pre-operational inspections are not being performed on the on-site rescue truck because the inspection procedure is being revised. Because the rescue truck is currently not operating, underground emergency response compensatory measures including fire and medical, have been implemented.
Vehicle Siren (Surface Vehicles)	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Current	6/18/15, 6/19/15, 6/20/15, 6/21/15	N/A	
Vehicle Siren (Underground Vehicles)	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Current/ U/G Ambulance Only	6/20/15	N/A	

Monthly Status Report for June 1, 2015, through June 30, 2015

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
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	Current	6/28/15 (41-T-037) 10/23/14 (41-T-038) 5/19/15 (41-T-032) 4/13/15 (41-T-036)	N/A	
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	12/15/14 (41-H-018)	When waste disposal operations resume	Equipment not in use due to the fire and radiological events. The preoperational inspection was completed for training purposes and in support of preventive maintenance only. Inspection not intended for daily operations.
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	6/10/15 (41-H-020A) 6/10/15 (41-H-020B)	N/A	

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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) 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	6/12/15 (41-H-009) 5/23/15 (41-H-013) 6/10/15 (41-H-051) 6/18/15 (41-H-012D) 6/27/15 (41-H-012E) 5/23/15 (74-H-010B)	N/A	
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	5/20/15 (52-H-126)	When waste disposal operations resume	One 6-ton forklift in the underground is now in service in Panel 7. The inspection was completed as shown as pre-operational. Other forklifts are not in use due to the fire and radiological event.
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	6/24/15 (Weekly) 6/28/15 (Daily)	N/A	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Current	12/30/14	N/A	Annual 2014 Inspection. This is an annual inspection and not needed for daily operation.

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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
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	No change. This is a pre-operational inspection and is not needed for daily operations.
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Current	1/6/15 (41-T-151A) 4/15/14 (41-T-151B) 6/28/15 (41-T-151D)	N/A	There are four cranes, but the pre-operational inspections were only performed on the cranes listed. The other crane will be inspected prior to use.
Push-Pull Attachment (Surface)	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Current	5/23/15 (41-T-160A) 5/23/15 (41-T-160B)	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. The preoperational inspection was completed for training purposes and in support of preventive maintenance only. Inspection not intended for daily operations.

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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
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Current	6/27/15 (41-H-151B) 5/28/15 (41-H-151A) 6/21/15 (41-H-046)	N/A	There are three trailer jockeys. Inspections are only performed if the equipment is used on the shift.
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Current	6/29/12	When waste disposal operations resume	Equipment not in use due to the fire and radiological events. The preoperational inspection was completed for training purposes and in support of preventive maintenance only. Inspection not intended for daily operations.
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) 6/17/15 (41-H-021B)	N/A	
Payload Transfer Station	Waste Handling	Preoperational	WP 05-WH1208 Mechanical Operability, Deterioration, and Guards in proper place	Current	12/16/14 (41-Z-041)	N/A	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Current	5/19/15 (41-H-027)	N/A	
Bolting Station	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability, Deterioration, and Guards in proper place	Current	3/23/15 (41-T-053A) (41-T-054A)	N/A	

Monthly Status Report for June 1, 2015, through June 30, 2015

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
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	6/27/15 (#1) 6/27/15 (#2)	N/A	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Current	6/30/15	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	Current	6/30/15	N/A	
Mine Pager Phones (underground)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations	Current	6/30/15	N/A	
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	6/30/15	N/A	
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	Current	6/30/15	N/A	
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	Current	6/30/15	N/A	

Monthly Status Report for June 1, 2015, through June 30, 2015

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
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	6/30/15	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	6/30/15	N/A	
Facility Inspections (Water Diversion Berns)	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	6/24/15-6/30/15	N/A	
Eye Wash and Shower Equipment (Underground)	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	Current	6/27/15	N/A	
Perimeter Fence, Gates, Signs	Security	Daily	PF0-008 Inspecting for Deterioration and Posted Warnings	Current	6/28/15	N/A	
Underground— Geomechanical Instrumentation System (GIS)	Geotechnical Engineering	Monthly	WP 07-EU1301 Inspecting for Deterioration	Current	6/30/15	N/A	Complete at accessible areas.

Monthly Status Report for June 1, 2015, through June 30, 2015

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
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)	N/A	The 700 horsepower 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 3/31/16 as work zones are released in the underground. Therefore, 3/31/16 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

Monthly Status Report for June 1, 2015, through June 30, 2015

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Containers	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	SR139767	7-55G Drums	51.8
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:51	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	IN140097	1 SWB	66.3

Monthly Status Report for June 1, 2015, through June 30, 2015

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Containers	Waste Volume ¹ (ft ³)
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:30	4/4/2014 9:30	2/11/2014 9:13	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	SR139978	7-55G Drums	51.8
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:04	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	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	06/30/16	IN140084	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:36	06/30/16	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	06/30/16	IN140066	1 SWB	66.3
WIPP ²	---	6/13/2014	---	---	---	06/30/16	WISD002 ³	1 SWB	66.3
WIPP ²	---	6/13/2014	---	---	---	06/30/16	WISD003 ³	1 SWB	66.3
WIPP ²	---	6/13/2014	---	---	---	06/30/16	WISD004 ³	1 SWB	66.3
WIPP ²	---	6/13/2014	---	---	---	06/30/16	WISD005 ³	1 SWB	66.3
WIPP ²	---	6/21/2014	---	---	---	06/30/16	WISD006 ³	1 SWB	66.3
WIPP ²	---	6/21/2014	---	---	---	06/30/16	WISD007 ³	1 SWB	66.3
WIPP ²	---	6/24/2014	---	---	---	06/30/16	WISD008 ³	1 SWB	66.3
WIPP ²	---	6/24/2014	---	---	---	06/30/16	WISD009 ³	1 SWB	66.3
WIPP ²	---	6/24/2014	---	---	---	06/30/16	WISD010 ³	1 SWB	66.3
WIPP ²	---	6/24/2014	---	---	---	06/30/16	WISD011 ³	1 SWB	66.3

Monthly Status Report for June 1, 2015, through June 30, 2015

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Containers	Waste Volume ¹ (ft ³)
WIPP ²		3/1/2015	---	---	---	06/30/16	WISD012 ³	1 SWB	66.3
---	---	---	---	---	---	---	---	155 Containers	5,866.7 ft ³

Notes:

¹55G Drum=7.4 ft³, SWB=66.3 ft³, TDOP=160 ft³, 85G Drum=11.4 ft³, 100G Drum=13.4 ft³, SLB2=261 ft³ (Permit Part 3, Section 3.3.1)

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

³Derived-waste container number

INL – Idaho National Laboratory

LANL – Los Alamos National Laboratory

SRS – Savannah River Site

SWB – standard waste box

SLB – Standard large box

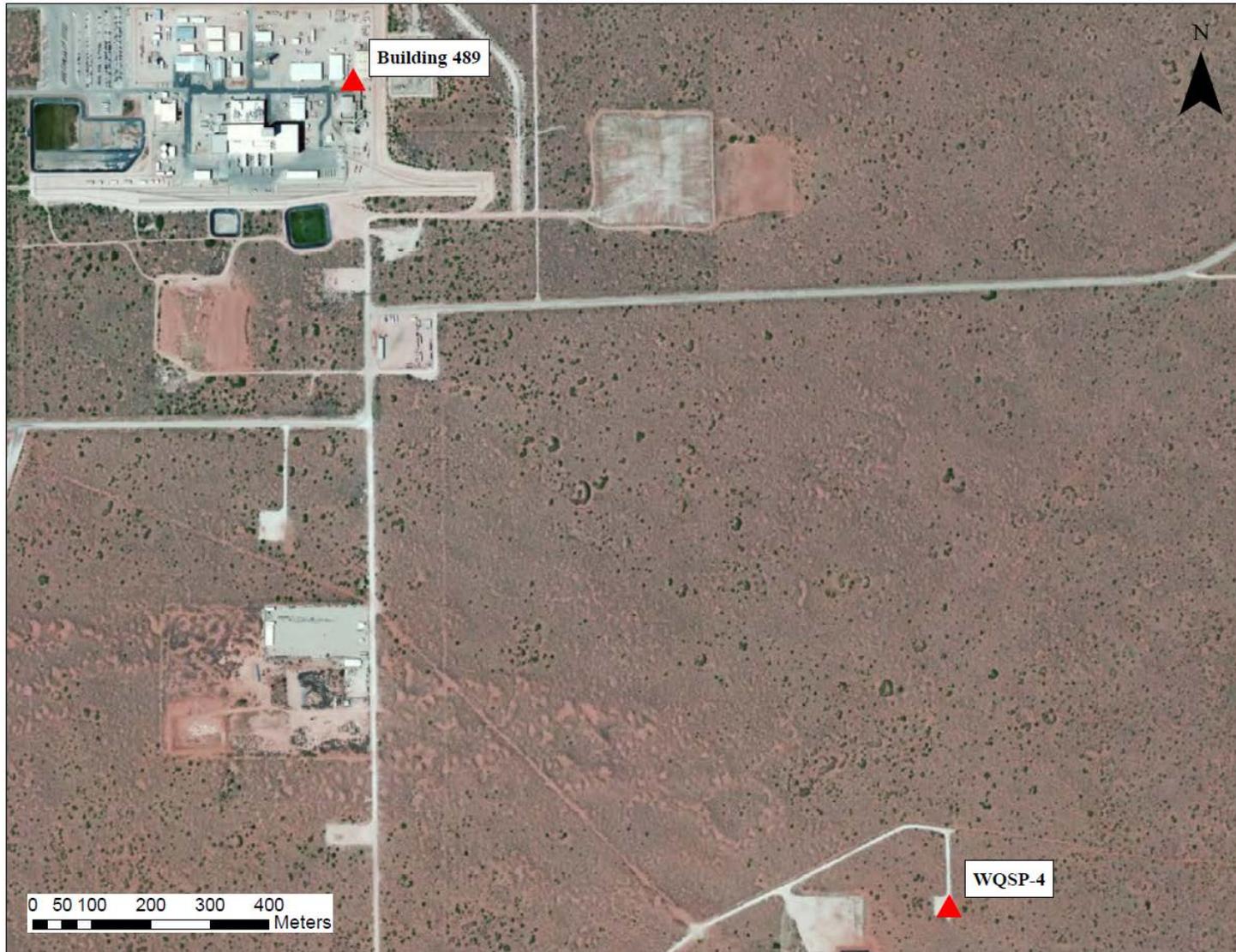
TDOP – ten-drum overpack

WHB – Waste Handling Building

Attachment 3 Environmental Monitoring

Attachment 3 contains the following environmental monitoring information:

- VOC Monitoring Map
 - No validated data were available during this reporting period. **[Last update occurred May 31, 2015]**
- Radiological Monitoring Data
 - Groundwater samples
 - Surface water samples
 - Soil samples
 - Biota/Fauna sample



VOC Sampling Locations



Groundwater Sampling Locations

Environmental Monitoring & Hydrology Groundwater Sampling

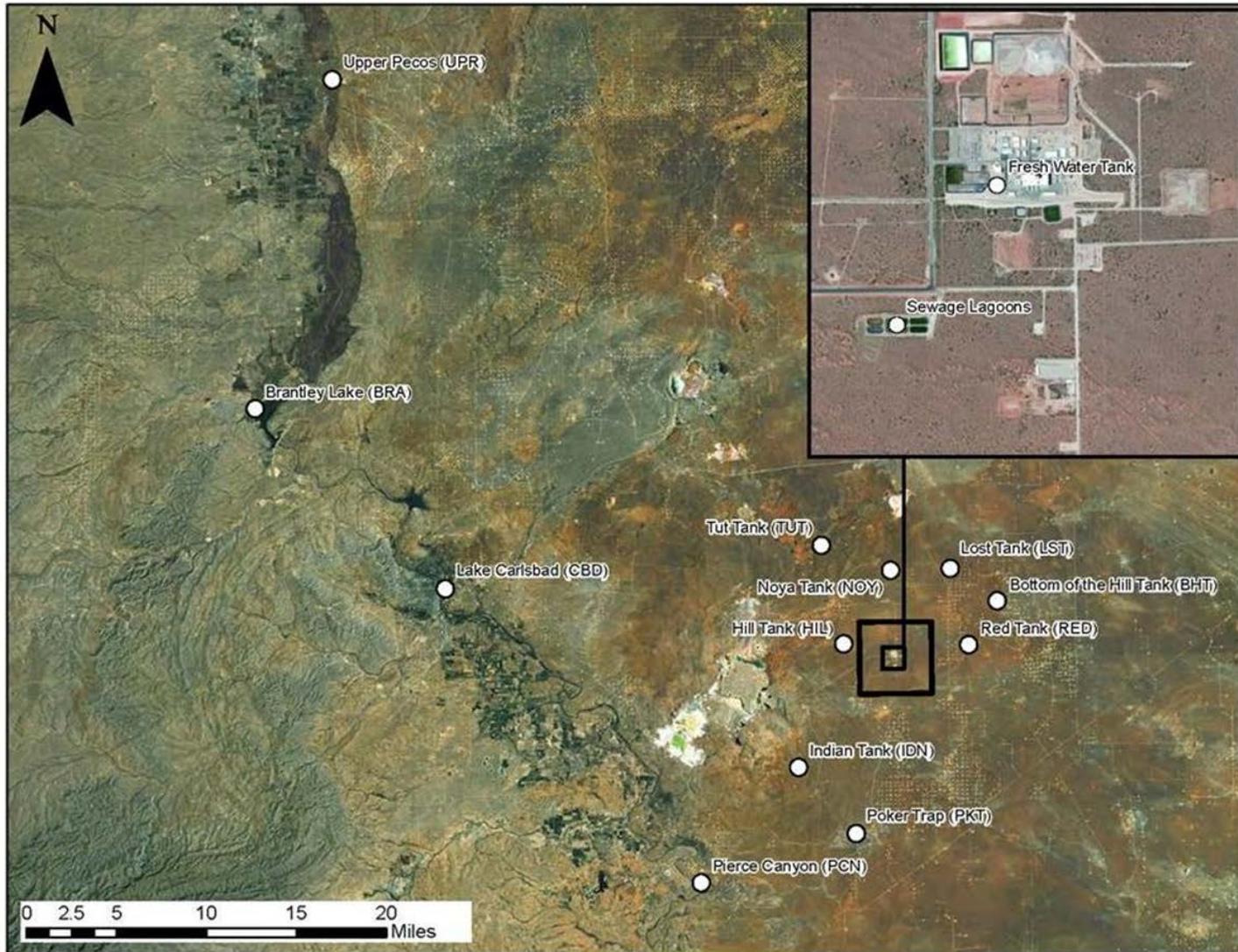
Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
WQSP-3	GW-WQ3-C-R37-N8	4/8/2015	Below MDC	Below MDC	Below MDC
WQSP-3 (Duplicate)	GW-WQ3-C-R37-N8D	4/8/2015	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU3-C-R37-N9	4/8/2015	Below MDC	Below MDC	Below MDC
WQSP-4	GW-WQ4-C-R37-N8	4/21/2015	Below MDC	Below MDC	Below MDC
WQSP-4 (Duplicate)	GW-WQ4-C-R37-N8D	4/21/2015	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU4-C-R37-N9	4/21/2015	Below MDC	Below MDC	Below MDC
WQSP-6	GW-WQ6-C-R37-N8	5/12/2015	Below MDC	Below MDC	Below MDC
WQSP-6 (Duplicate)	GW-WQ6-C-R37-N8D	5/12/2015	Below MDC	Below MDC	Below MDC
Field Blank	GW-BU6-C-R37-N9	5/12/2015	Below MDC	Below MDC	Below MDC

MDC ranges are:

MDC Am-241 (dpm/L): 4.21E-02 to 1.21E-01

MDC Pu-238 (dpm/L): 3.01E-02 to 9.66E-02

MDC Pu-239/240 (dpm/L): 2.59E-02 to 8.94E-02



Surface Water Sampling Locations

Environmental Monitoring & Hydrology Surface Water Sampling

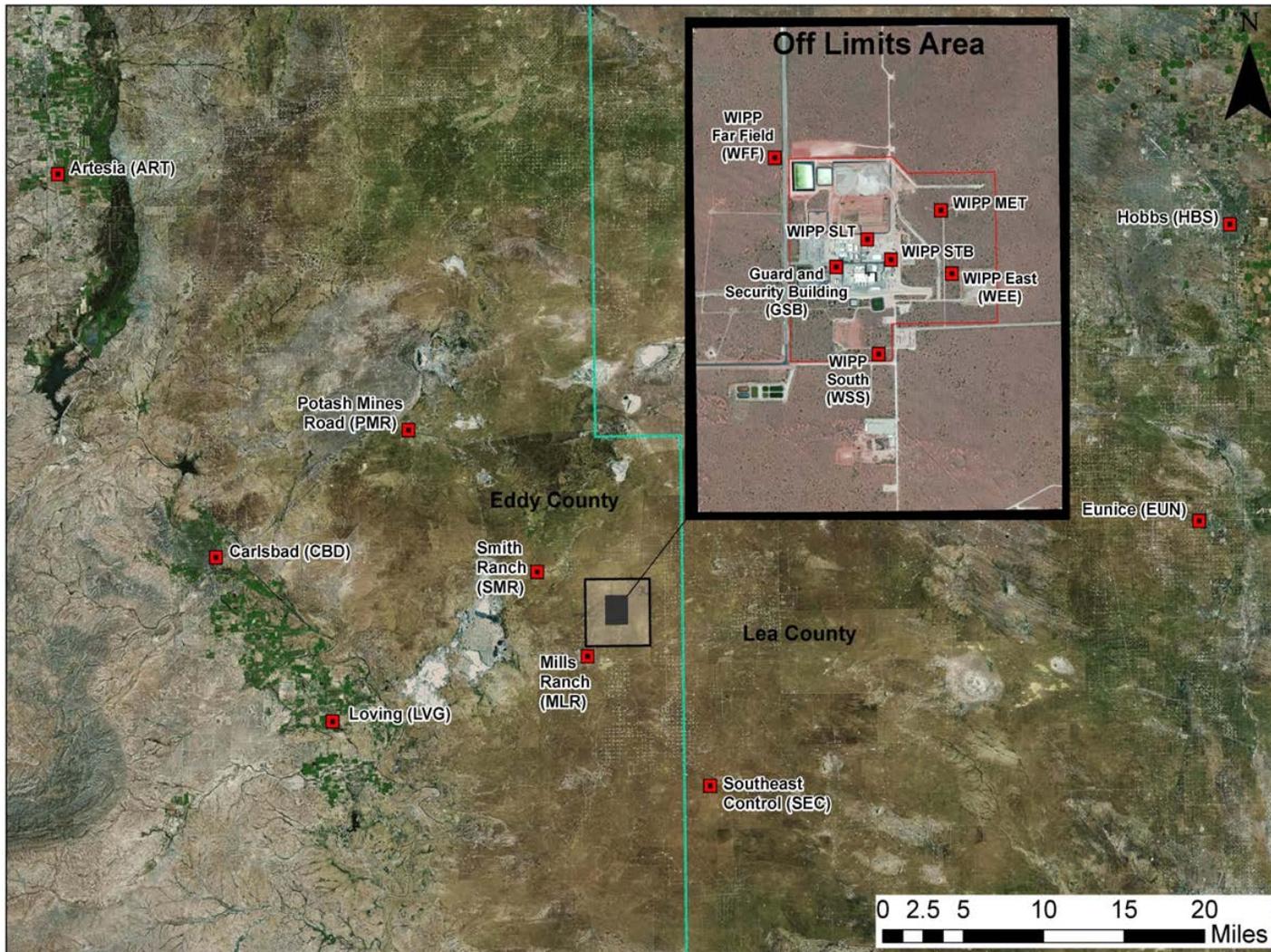
Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
Hill Tank	WS-HIL-20150427-1.2	4/27/2015	Below MDC	Below MDC	Below MDC
Hill Tank (Dup)	WS-HIL-20150427-2.2	4/27/2015	Below MDC	Below MDC	Below MDC
Indian Tank	WS-IDN-20150430-1.1	4/30/2015	Below MDC	Below MDC	Below MDC

MDC ranges are:

MDC Am-241 (dpm/L): 4.34E-02 to 1.51E-01

MDC Pu-238 (dpm/L): 2.84E-02 to 1.16E-01

MDC Pu-239/240 (dpm/L): 2.79E-02 to 1.24E-01



Soil Sampling Locations

Environmental Monitoring & Hydrology Soil Sampling

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Mills Ranch Surface Sample (0-2 cm)	SS-MLR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Mills Ranch Intermediate Sample (2-5 cm)	SI-MLR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Mills Ranch Deep Sample (5-10 cm)	SD-MLR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Smith Ranch Intermediate Sample (2-5 cm)	SI-SMR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC
Smith Ranch Deep Sample (5-10 cm)	SD-SMR-20150309-1.1	3/9/2015	Below MDC	Below MDC	Below MDC

MDC ranges are:

MDC Am-241 (dpm/g): 2.62E-02 to 4.94E-02

MDC Pu-238 (dpm/g): 1.61E-02 to 2.96E-02

MDC Pu-239/240 (dpm/g): 1.46E-02 to 3.54E-02

Environmental Monitoring & Hydrology Biota Sampling – Fauna

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-20150317-1.1	3/17/2015	Below MDC	Below MDC	Below MDC

MDCs ranges are:

MDC Am-241 (dpm/g): 2.01E-02 to 5.01E-02

MDC Pu-238 (dpm/g): 1.27E-02 to 2.60E-02

MDC Pu-239/240 (dpm/g): 8.64E-03 to 2.52E-02

Attachment 4
Surface & Underground Derived Waste Currently in Storage at the WIPP Facility

Monthly Status Report for June 1, 2015, through June 30, 2015

Container Number	Container Type	Date Stored	Derived Waste Description	Container Contents	Surface/ Underground	Container Location	Storage Deadline	Mixed/ Non-Mixed	Waste Volume ¹ (ft ³)
WISD002	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD003	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD004	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD005	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD006	SWB	6/21/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD007	SWB	6/21/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD008	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3

Monthly Status Report for June 1, 2015, through June 30, 2015

Container Number	Container Type	Date Stored	Derived Waste Description	Container Contents	Surface/ Underground	Container Location	Storage Deadline	Mixed/ Non-Mixed	Waste Volume ¹ (ft ³)
WISD009	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD010	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD011	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
WISD012	SWB	3/1/2015	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	6/30/2016	Mixed	66.3
See Footnote (2)	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(1) filter, cardboard box and plastic bags (filter packaging material)	Surface	DWSA	---	Mixed	---
11 Containers	---	----	---	---	---	---	---	---	729.3 ft ³

¹55G Drum=7.4 ft³, SWB=66.3 ft³, TDOP=160 ft³, 85G Drum=11.4 ft³, 100G Drum=13.4 ft³, SLB2=261 ft³ (Permit Part 3, Section 3.3.1).

²Derived waste may be accumulated and stored in the DWSA until the container is full (Permit Part 3, Section 3.1.1.7)

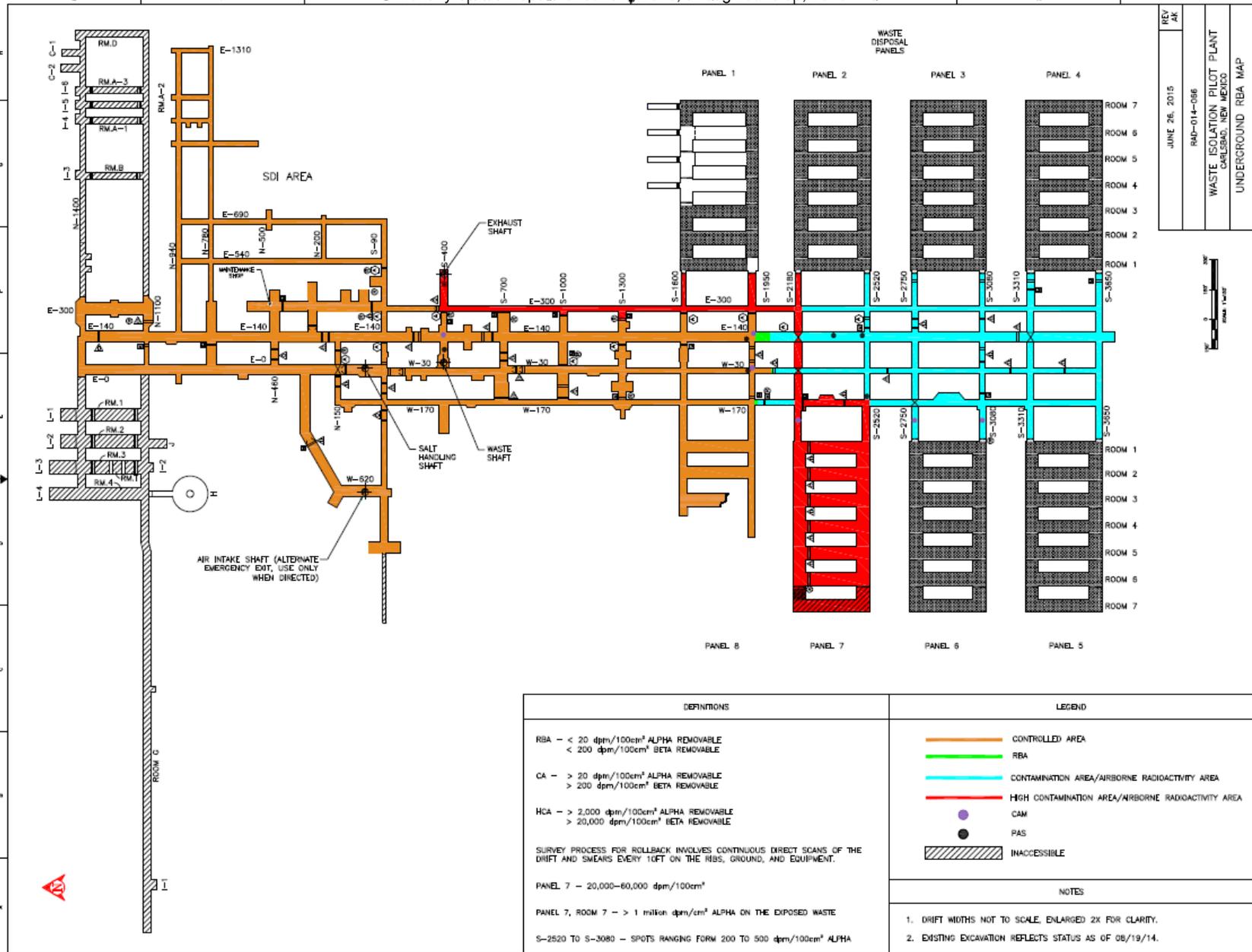
SWB – standard waste box

DWSA – Derived Waste Storage Area

Attachment 5
Status of RCRA Contingency Plan Required Activities (reserved)
[Last updated November 30, 2014]

Attachment 6
Corrective Actions Required for Recovery (reserved)
[Last updated April 30, 2015]

Attachment 7
Panel 7 Recovery-Related Work



Status of the WIPP Underground Rollback Areas for this Reporting Period - June 26, 2015