Department of Energy
Carlsbad Field Office
P. O. Box 3090
Carlsbad, New Mexico 88221

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NMED
Hazardous Waste Bureau

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: Bi-Weekly Report for the reporting period ending August 10, 2014, as requested per Item 18 of the May 12, 2014, NMED Administrative Order

Dear Mr. Kieling and Mr. Blaine:

The purpose of this letter is to transmit the Bi-Weekly Report for the reporting period ending August 10, 2014, as requested by Item 18 of the May 12, 2014, Administrative Order issued under the authority of the New Mexico Hazardous Waste Act § 74-4-13 from Ryan Flynn to Messrs. Hellstrom, Franco, Cook, and McQuinn. This report is enclosed along with a compact disc containing data requested by the Administrative Order.

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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Bi-Weekly Status Report for the New Mexico Environment Department February 27, 2014, and May 12, 2014, Administrative Orders Reporting Period July 28, 2014, through August 10, 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. All 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) was issued on February 27, 2014, and addressed above-ground compliance issues, 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 changes the reporting period from weekly to bi-weekly, with additional information required to supplement the information required by AO1. This report serves to fulfill the reporting requirements set forth by both AO1 and AO2. Paragraph 18(a) of AO2 states that informational requirements of both orders may be combined. 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 are in the process of developing a WIPP Recovery Plan, which will provide 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 will be integrated into the UCP as these elements pertain to the Permit-related requirements addressed by the AOs. The bi-weekly reports will provide a status of recovery-related activities, as outlined in AO1 and AO2, aimed at bringing the WIPP facility into full compliance with the terms and conditions of the Permit. The initial bi-weekly report was submitted to the NMED on June 13, 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 (PMs) 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, underground inspections cannot currently be performed due to the inaccessibility of the underground to personnel responsible for conducting the inspections. 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. Updates to the UCP will be reflected in the bi-weekly reports, as required by Paragraph 18(c) of AO2.

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. The Permittees are awaiting NMED comments. Updates to the UCP will be reflected in the bi-weekly reports, as required by Paragraph 18(c) of AO2.

<u>Volatile Organic Compound (VOC) Monitoring</u>

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 the underground to personnel who 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 the underground to personnel who 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 determine its feasibility while the facility is in recovery operations and 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 and at the south fence line just behind the Waste Handling Building (WHB). These samples are intended to quantify VOC exposure to a receptor in the Training Building. The samples at the south fence line are intended 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 the underground to personnel who perform these activities. However, visual inspections of the underground areas during recent re-entries have shown that the ground is stable and is in sound condition.

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 the underground to personnel who perform these activities.

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 230,830 SCFM.

3.0 Actions taken with regard to TRU waste shipments that were en-route since February 5, 2014, as requested per Paragraph 14(b) of AO1:

Response was provided in the initial March 17, 2014, weekly submittal to the NMED per AO1.

4.0 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:

All waste is currently being stored in the WHB. Since the submittal of the last bi-weekly report, there has been no additional waste placed in storage in the WHB, and there were no changes to the storage deadlines during this reporting period. Therefore, Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*, is currently reserved.

5.0 Records of inspection and maintenance of the ventilation and filtration system of the Facility WHB after the February 5, 2014, salt truck engine fire and the radiological event of February 14, 2014, as requested per Paragraph 14(e) of AO1:

See Attachment 3, *Ventilation Fans Inspection Round Sheets* (best available copies).

6.0 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 this reporting period, as requested per Paragraph 14(f) of AO1:

See Attachment 4, *Environmental Monitoring,* which includes tables with the locations of environmental monitoring equipment (including identification whether they are stationary, mobile, or permanent) and data for this reporting period. Aerial photos and diagrams displaying monitoring locations are included. The following briefly describes the monitoring information that is being provided in Attachment 4.

- VOC monitoring stations – Portable surface monitoring equipment has been deployed since February 25, 2014. Samples are being collected twice each week at three locations, as indicated in Attachment 4. The results of sample analyses are provided in Attachment 4. Since the submittal of the last bi-weekly report, sampling station WQSP-4 has been added to obtain VOC background data in the vicinity of the WIPP facility.

- Meteorological monitoring data are being provided in Attachment 4 and on the enclosed compact disc. During this reporting period, “NAN” (i.e., not a number) was recorded for the wind speeds at the 2, 10, and 50-meter levels on August 2, 2014, at the 12:30 p.m. 15-minute time interval and on August 3, 2014, at the 6:15 a.m. 15-minute time interval. Therefore, no data are reported for these time periods.

- Radiological monitoring

    - Environmental air samples – Stationary low volume air samplers continuously sample air at the locations shown in Attachment 4.

- Soil samples – Soil samples were obtained on the dates and locations shown in Attachment 4.
- Surface water samples – Surface water samples were obtained on the dates and at the locations shown in Attachment 4.
- Sediment samples – Sediment samples were obtained on the dates and at the locations shown in Attachment 4.
- Biota (vegetation) samples – Vegetation samples were obtained on the dates and locations shown in Attachment 4.
- Biota (fauna) samples – A biotic sample was obtained on the date shown in Attachment 4.
- Salt samples – Salt samples were obtained on the dates and locations shown in Attachment 4.

7.0 The status of surface ventilation fans and timeline of operation since January 1, 2014, as requested per Paragraph 14(g) of AO1 and as specified by Paragraph 22 of AO2:

See Attachment 3, *Ventilation Fans Inspection Round Sheets* (best available copies).

8.0 Exhaust Filter Building HEPA filter differential pressure data beginning February 14, 2014, as requested per Paragraph 14(h) of AO1:

See Attachment 5, *Filter Differential Pressures,* and the Excel spreadsheet provided on the enclosed compact disc. The differential pressure values have been rounded to two decimal places to enhance usability.

9.0 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 6, *Surface and Underground Derived Waste Currently in Storage at the WIPP Facility*, which is currently reserved.

10.0 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 bi-weekly report. Accordingly, Attachment 7, *Status of RCRA Contingency Plan Activities*, is currently reserved.

11.0 The bi-weekly 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 JONs are identified as a result of the completion of subsequent phases of the AIB radiological release event investigation, they will be provided in Attachment 8, which is currently reserved.

12.0 The Permittees shall provide a paper copy of the Panel 7, Room 7 waste placement layout map or diagram, as required by Permit Section 4.8.2, as required by Paragraph 18(g) of AO2:

Attachment 9, *Waste Placement Layout Map*, was provided in the initial bi-weekly report submitted to the NMED on June 13, 2014. There have been no changes to this information since the initial submittal. This attachment is currently reserved.

13.0 The Permittees shall provide the most recent Weekly Map Update that shows waste disposal and mining activities for Panels 7 and 8, as requested per Paragraph 18(h) of AO2:

Attachment 10, *Weekly Map Update*, was provided in the initial bi-weekly report submitted to the NMED on June 13, 2014. There have been no changes to this information since the initial submittal. This attachment is currently reserved.

14.0 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 11, *As-Found Condition of Panel 7*, was provided in the initial bi-weekly report submitted to the NMED on June 13, 2014. There were no re-entries to Panel 7 during this reporting period. Therefore, there have been no changes to information provided in the initial submittal of this report. This attachment is currently reserved.

15.0 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 in the initial bi-weekly report submitted 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 in the initial submittal of this report.

16.0 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:

On August 7, 2014, a visual examination of bulkheads was performed. The correct ventilation configuration was established, and the compressed air line was inspected and leaks isolated. As the Permittees continue to conduct recovery activities, additional descriptions will be provided in subsequent reports. Attachment 12, *Panel 7 Recovery-Related Work*, provides a map of the current status of the WIPP underground decontamination areas during this reporting period.

17.0 The Permittees shall provide the status and description of the Waste Handling Building Unit ("WHB") and the Waste Shaft soot clean-up activities, as requested per Paragraph 18(l) of AO2:

Soot clean-up activities are now complete. There is no new information to report since the last bi-weekly report submitted on August 8, 2014.

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	8/8/14	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	8/8/14	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	6/27/14	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	Underground is not accessible due to the fire and radiological events, and 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.
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 accessible due to the fire and radiological events, and inspections cannot be performed.

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
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. Inspection records are located in the underground and are, therefore, not accessible.
MSHA Air Quality Monitor	Maintenance/ Underground Operations	Daily	WP 12-IH1828 Inspecting for Air Quality Monitoring Equipment Functional Check	Current	8/8/14	N/A	
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	8/10/14	N/A	
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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
Fire Extinguishers (Surface)	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Current	7/31/14 (Due 8/31/14)	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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031 Inspecting for Deterioration and Leaks/Spills	Current	3/26/14	N/A	
Fire Hydrants	Emergency Services	Semi-annual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	Current	11/23/13 (Annual) 3/28/14 (Semi-annual)	N/A	
Fire Pumps	Emergency Services	Weekly/annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	Current	8/4/14	N/A	
Fire Sprinkler Systems	Emergency Services	Monthly/quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Current	8/4/14 8/5/14 8/6/14 8/8/14	N/A	
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	8/8/14	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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	8/5/14	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
Miners First Aid Station	Emergency Services	Quarterly	12-FP0035 Inspecting for Required Equipment	Not Current	2/8/14	1/31/16	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
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	8/9/14	N/A	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	8/7/14	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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
Vehicle Siren (Surface Vehicles)	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Current	8/7/14 8/8/14 8/10/14	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	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
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) 8/8/14 (41-T-038)	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. The underground is not accessible, and inspections cannot be performed.
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. The underground is not accessible, and inspections cannot be performed.
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	8/9/14 (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	8/6/14 (41-H-012D) 8/9/14 (41-H-013) (41-H-012E) (41-H-051) (41-T-051)	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	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events. The underground is not accessible, and inspections cannot be performed.
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	8/6/14 (Weekly) 8/10/14 (Daily)	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
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	Equipment not in use due to the fire and radiological events. The underground is not accessible, and inspections cannot be 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. The underground is not accessible, and inspections cannot be performed.
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Current	8/8/14 (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.
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. The underground is not accessible, and inspections cannot be performed.
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Current	7/28/14 (41-H-151B) 8/9/14 (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.

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
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) 8/9/14 (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	8/8/14 (41-Z-041)	N/A	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Current	8/8/14 (41-H-027)	N/A	
Bolting Station	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability, Deterioration, and Guards in proper place	Current	8/8/14 (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	7/26/14 (#1) 7/27/14 (#2)	N/A	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Current	8/10/14	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	1/30/14	1/31/16	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
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	7/31/14	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	1/30/14	1/31/16	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed.
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	Current	8/10/14	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	8/10/14	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	8/10/14	N/A	
Facility Inspections (Water Diversion Berms)	Facility Engineering	Annually	WP 10-WC3008 Inspecting for Damage, Impediments to water flow, and Deterioration	Current	9/25/13	N/A	
Eye Wash and Shower Equipment (Surface)	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	Current	8/4/14,8/5/14, 8/6/14, 8/8/14	N/A	
Eye Wash and Shower Equipment (Underground)	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	Not Current	N/A	1/31/16	Equipment is not accessible due to the fire and radiological events, and inspections cannot be performed. Inspection records are located in the underground and are, therefore, not accessible.
Perimeter Fence, Gates, Signs	Security	Daily	PF0-010 Inspecting for Deterioration and Posted Warnings	Current	8/10/14	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
Underground— Geomechanical Instrumentation System (GIS)	Geotechnical Engineering	Monthly	WP 07-EU1301 Inspecting for Deterioration	Current	8/6/14	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	Equipment not in use due to the fire and radiological events. The underground is not accessible, and inspections cannot be performed.

[1]Inspection proposed start date of 1/31/16 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 (reserved)

Attachment 3
Ventilation Fans Inspection Round Sheets

Round Sheet Legend

Circled Numbers ②	Note numbers on the Comment Section of the Round Sheet
AR	Action Request
EFB	Exhaust Filter Building
I/S	In Service
MBP	Maintenance Bypass
Sec	Secured
STBY	Standby
Tag	Tagged Out
DP	Differential Pressure
″wc	Inches Water Column

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 7-28-14 / 8-3-14

Location: 413, EXHAUST FILTER BLDG. UVFS FANS		DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
		SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
		REVIEWER	Original Signatures on File														
		FOT	C/O														
ITEM	MIN	NORM	MAX														
413-CP-056-01																	
CONTROL PANEL 860 FANS [A]		SAT [B]		1		1		1		1		1		1		0		1
413-CP-307-01B																	
CONTROL PANEL 700 FANS [A]		SAT [B]		2		2		2		2		2		2		0		2
35P-PBJ/1 @ Bldg. 365																	
860A U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	Tag	TAG	Tag	TAG	TAG	Tag	TAG	TAG	TAG	Tag	TAG	TAG	TAG	Tag	Tag
35P-PBJ/1 @ Bldg. 365																		
860B U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC
35P-PBJ/1 @ Bldg. 365																		
860C U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	58.64	58.6	58.49	59.48	62.12	62.90	61.75	62.05	62.14	61.94	61.8	62.50	61.91	61.52	62.1
413-CP-307-01J																		
700A U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	Tag	TAG	Tag	TAG	Tag	Tag	TAG	TAG	TAG	Tag	TAG	TAG	TAG	Tag	Tag
413-CP-307-01K																		
700B U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	Tag	TAG	Tag	TAG	Tag	Tag	TAG	TAG	TAG	Tag	TAG	TAG	TAG	Tag	Tag
413-CP-307-01H																		
700C U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	Tag	TAG	Tag	TAG	Tag	Tag	TAG	TAG	TAG	Tag	TAG	TAG	TAG	Tag	Tag

NOTES: [A] - CHECK THAT THE AUDIBLE ALARM SOUNDS AND THE ALARM LIGHTS ILLUMINATE. [B] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION. [C] - FLOW READINGS TAKEN AT STA. B), (NOTE: EFB HVAC FLOW INCLUDED IN STA. B READING). [D] - VENTILATION MODES (chart below)

NORMAL MODE (flow per fan l/S) -	MIN = 202	NORM = 212	MAX = 223	MBP MODE w/ 1-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
ALTERNATE MODE (flow per fan l/S) -	MIN = 247	NORM = 260	MAX = 273	MBP MODE w/ 1-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
MINIMUM MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
REDUCED MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
FILTRATION MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63		

COMMENTS: (1) low Flow Alarm - AR1404207
(2) Alarm 005 - AR1307584

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Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 080414-081014

Location: 413, EXHAUST FILTER BLDG. UVFS FANS				SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
		DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
		SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
		REVIEWER			Original Signatures on File													
		FOT		C/O														
ITEM	MIN	NORM	MAX															
413-CP-056-01																		
CONTROL PANEL 860 FANS [A]		SAT [B]		1		1		1		1		1		1		1		1
413-CP-307-01B																		
CONTROL PANEL 700 FANS [A]		SAT [B]		2		2		2		2		2		2		2		2
35P-PBJ/1 @ Bldg. 365																		
860A U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG
35P-PBJ/1 @ Bldg. 365																		
860B U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC	SEC
35P-PBJ/1 @ Bldg. 365																		
860C U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	62.1	62.17	62	61.23	61.34	61.5	61.21	61.35	60.42	61.40	61.5	61.9	63.14	61.4	61.73
413-CP-307-01J																		
700A U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG
413-CP-307-01K																		
700B U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG		TAG	TAG	TAG	TAG	TAG	TAG
413-CP-307-01H																		
700C U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG	TAG	TAG	TAG	TAG	TAG	TAG	TAG		TAG	TAG	TAG	TAG	TAG	TAG

NOTES: [A] - CHECK THAT THE AUDIBLE ALARM SOUNDS AND THE ALARM LIGHTS ILLUMINATE. [B] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION. [C] - FLOW READINGS TAKEN AT STA. B), (NOTE: EFB HVAC FLOW INCLUDED IN STA. B READING). [D] - VENTILATION MODES (chart below)

NORMAL MODE (flow per fan l/S) -	MIN = 202	NORM = 212	MAX = 223	MBP MODE w/ 1-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
ALTERNATE MODE (flow per fan l/S) -	MIN = 247	NORM = 260	MAX = 273	MBP MODE w/ 1-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
MINIMUM MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/1-700 FANS (combined flow of all fans l/S) - MIN = 200	MAX = 275
REDUCED MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/2-700 FANS (combined flow of all fans l/S) - MIN = 395	MAX = 425
FILTRATION MODE (flow per fan l/S) -	MIN = 57	NORM = 60	MAX = 63		

COMMENTS: ① Low flow alarm. - AR #1404207 ③ adjusted vortex flow @ 62K now
② Alarm OOS - AR #1307584

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Facility Site Operations and Infrastructure RH Room D/P and HVAC Panel Round Sheet

Date: 7-28-14/8-3-14

Location:			DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS			SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL			REVIEWER			Original Signatures on File													
411, WHB MECH EQUIP RM 200 & 208			FOT		C/O														
ITEM		MIN	NORM	MAX															
RH ROOM DPs																			
OPERATING GALLERY	PDD-01 'wc				SEC	SEC		SEC		SEC		SEC		SEC		SEC		SEC	
MANIP. REPAIR RM.	PDD-21A 'wc																		
FILTER GALLERY	PDD-21B 'wc																		
CASK LOADING RM.	PDD-21C 'wc																		
CASK TRANSFER CELL	PDD-21D 'wc																		
WASTE HOIST OPER RM	PDD-21G 'wc																		
SERVICE ROOM	PDD-21H 'wc	-0.00		-0.15															
RH BAY	PDD-21F 'wc	0.02		0.7															
HOT CELL	PDT-52 'wc	-0.04		-1.1															
HVAC CONTROL PANEL CHECKS																			
411-CP-051-10	(803/805 AHU/EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-051-11	(804/806 AHU/EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-051-12	(878 A/B EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-058-17	(807 AHU FAN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS:

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Facility Site Operations and Infrastructure RH Room D/P and HVAC Panel Round Sheet

Date: 080414-081014

Location:			DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS			SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL			REVIEWER															
411, WHB MECH EQUIP RM 200 & 208			FOT	C/O														
ITEM			MIN	NORM	MAX													
RH ROOM DPs																		
OPERATING GALLERY	PDD-01	'wc				SEC	SEC		SEC		SEC		SEC		.11		.12		①
MANIP. REPAIR RM.	PDD-21A	'wc													-.14		-.14		
FILTER GALLERY	PDD-21B	'wc													-.11		-.11		
CASK LOADING RM.	PDD-21C	'wc													-.24		-.24		
CASK TRANSFER CELL	PDD-21D	'wc													-.45		-.46		
WASTE HOIST OPER RM	PDD-21G	'wc													-.03		-.04		
SERVICE ROOM	PDD-21H	'wc	-0.00		-0.15										-.01		-.01		
RH BAY	PDD-21F	'wc	0.02		0.7										.04		.05		
HOT CELL	PDT-52	'wc	-0.04		-1.1										-.48		-.58		
HVAC CONTROL PANEL CHECKS																		
411-CP-051-10	(803/805 AHU/EXH FANS)			SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-051-11	(804/806 AHU/EXH FANS)			SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-051-12	(878 A/B EXH FANS)			SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-058-17	(807 AHU FAN)			SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓

Original Signatures on File

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS: ① ELECT OUTAGE FOR MAINT.

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Facility Site Operations and Infrastructure WHB CH Room D/P / HVAC / Air Dryer Round Sheet

Date: 7-28-14 / 8-3-14

Location:		DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS		SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL		REVIEWER			Original Signatures on File													
411, WHB MECH EQUIP RM 200 & 208		FOT		C/O														
ITEM	MIN	NORM	MAX															
WHB CH ROOM DPs																		
SHIELDED STORAGE RM PDD-026A "wc				-.11	-.14		-.12		-.09		-.13		-.14		-.12		-.08	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.10	-.11		-.12		-.08		-.11		-.12		-.1		-.06	
SITE GEN WASTE RM. PDD-026C "wc				-.02	-.03		-.03		-.04		-.02		-.05		-.04		-.04	
EQUIP DECON RM. PDD-026D "wc				-.13	-.15		-.16		-.14		-.15		-.16		-.14		-.16	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.12	-.14		-.14		-.13		-.15		-.15		-.14		-.16	
CAGE LOADING ROOM PDD-006 "wc				.08	.04		.11		.04		.07		.06		.04		.07	
AIRLOCK ROOM 107 PDD-007 "wc				-.08	-.09		-.08		-.08		-.09		-.10		-.09		-.10	
HVAC CONTROL PANEL CHECKS																		
411-CP-052-15 (835/836 EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-063-16 (861/863 AHUS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-14 (813/817 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-13 (812/816 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
WASTE HANDLING BUILDING AIR DRYER																		
K-015 OUTLET (PSI)	95		135	120	120	119	118	117	120	120	120	120	120	120	120	119	118	118
K-015 AQUADEX INDICATOR		BLUE [A]		①	①	①	①	①	①	①	①	①	①	①	①	①	①	①
K-015 AUTO BLOWDOWNS /TEST		SAT [A]		✓		✓		✓		✓		✓		✓		✓		✓
K-015 DRYER MODE		AMLOC [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS: ① Indicator pink - AR1405709

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Facility Site Operations and Infrastructure WHB CH Room D/P / HVAC / Air Dryer Round Sheet

Date: 080414-081014

Location:		DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS		SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL		REVIEWER															
411, WHB MECH EQUIP RM 200 & 208		FOT	C/O														
ITEM	MIN	NORM	MAX														
WHB CH ROOM DPs																	
SHIELDED STORAGE RM PDD-026A "wc				-.08	-.09		-.13		-.13		-.13		-.13		-.11		(2)
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.06	-.10		-.11		-.09		-.11		-.11		-.12		
SITE GEN WASTE RM. PDD-026C "wc				-.04	-.03		-.06		-.01		-.03		-.04		-.05		
EQUIP DECON RM. PDD-026D "wc				-.16	-.16		-.05		-.04		-.13		-.13		-.14		
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.16	-.15		-.12		-.11		-.12		-.11		-.14		
CAGE LOADING ROOM PDD-006 "wc				.07	.07		.07		.06		.08		.07		.05		
AIRLOCK ROOM 107 PDD-007 "wc				-.10	-.10		-.09		-.05		-.08		-.07		-.08		
HVAC CONTROL PANEL CHECKS																	
411-CP-052-15 (835/836 EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-063-16 (861/863 AHUS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-052-14 (813/817 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
411-CP-052-13 (812/816 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓
WASTE HANDLING BUILDING AIR DRYER																	
K-015 OUTLET (PSI)	95		135	116	117	118	118	118	118	118	118	115	116	116	118	120	120	118
K-015 AQUADEX INDICATOR		BLUE [A]		(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
K-015 AUTO BLOWDOWNS /TEST		SAT [A]		✓		✓		✓		✓		✓		✓		✓		✓
K-015 DRYER MODE		AMLOC [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Original Signatures on File

NOTES: [A] - IF NORMAL CONDITIONS EXIST, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

COMMENTS: (1) AR 1405709-PINK

(2) ELECT OUTAGE FOR MAINT

APPROVED FOR USE/DATE: Original Signature on File

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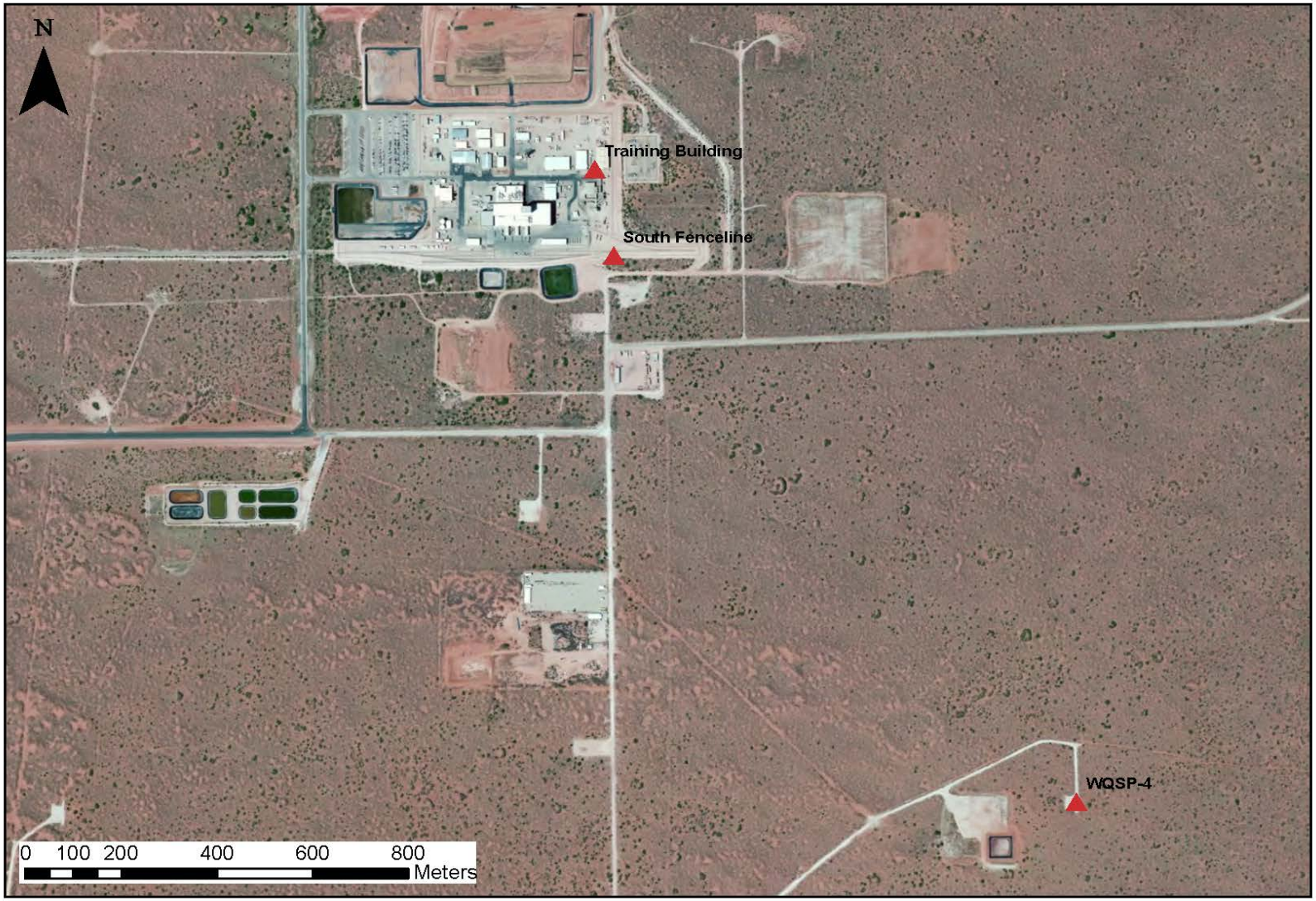
Attachment 4
Environmental Monitoring

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



VOC Sampling Locations

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Toluene	108-88-3	0.4	0.32 J
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Chloroform	67-66-3	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Acetone	67-64-1		1.16 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Butane	106-97-8		1.96 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Isobutane	75-28-5		1.32 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Nonanal	124-19-6		3.82 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Octanal	124-13-0		1.1 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Pentane	109-66-0		0.9 NJ
CEMRC	7/1/2014	7/11/2014	9022	WQSP-4	Propane	74-98-6		1.78 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.16 J
CEMRC	7/1/2014	7/11/2014	9016	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Toluene	108-88-3	0.4	0.2 J

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Acetone	67-64-1		0.86 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Butane	106-97-8		1.6 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Decanal	112-31-2		0.44 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Isobutane	75-28-5		1.14 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Nonanal	124-19-6		1.82 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Octanal	124-13-0		0.56 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Pentane	109-66-0		0.78 NJ
CEMRC	7/1/2014	7/11/2014	9016	Training Building	Propane	74-98-6		1.54 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.16 J
CEMRC	7/1/2014	7/11/2014	9017	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Toluene	108-88-3	0.4	0.28 J
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Trichloroethylene (1)	79-01-6	0.4	U

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Acetone	67-64-1		1.38 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Acetophenone	98-86-2		0.54 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Butane	106-97-8		1.64 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Hexanal	66-25-1		0.56 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Isobutane	75-28-5		1.28 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Nonanal	124-19-6		3.96 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Octanal	124-13-0		1.02 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Pentane	109-66-0		0.78 NJ
CEMRC	7/1/2014	7/11/2014	9017	Training Building	Propane	74-98-6		1.44 NJ
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Toluene	108-88-3	0.4	0.16 J
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Acetone	67-64-1		0.84 NJ
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Butane	106-97-8		1.68 NJ
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.98 NJ
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Nonanal	124-19-6		0.78 NJ

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Pentane	109-66-0		0.78 NJ
CEMRC	7/1/2014	7/11/2014	9018	Southeast Fenceline	Propane	74-98-6		1.52 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Toluene	108-88-3	0.4	0.28 J
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Acetone	67-64-1		1 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Butane	106-97-8		1.66 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Isobutane	75-28-5		1.22 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Nonanal	124-19-6		1.56 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Octanal	124-13-0		0.48 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Pentane	109-66-0		0.76 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Propane	74-98-6		1.48 NJ
CEMRC	7/1/2014	7/11/2014	9019	Southeast Fenceline	Silanol, trimethyl-	1066-40-6		0.56 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U

Qualifiers:

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Notes:

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* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Toluene	108-88-3	0.4	0.44
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Acetone	67-64-1		1.44 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Acetophenone	98-86-2		0.66 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Butane	106-97-8		2.7 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Cyclotetrasiloxane, octamethyl-	556-67-2		0.54 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Cyclotrisiloxane, hexamethyl-	541-05-9		0.84 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Dodecane	112-40-3		1.28 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Heptanal	111-71-7		0.44 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Hexanal	66-25-1		0.6 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Isobutane	75-28-5		1.92 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Nonanal	124-19-6		3.24 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Octanal	124-13-0		1.24 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Pentane	109-66-0		1.18 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Propane	74-98-6		2.42 NJ
CEMRC	7/2/2014	7/11/2014	9020	Training Building	Undecane	1120-21-4		0.5 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Toluene	108-88-3	0.4	0.28 J
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Acetone	67-64-1		0.82 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Acetophenone	98-86-2		0.64 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Butane	106-97-8		2.76 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.88 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		1.04 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Isobutane	75-28-5		1.76 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Nonanal	124-19-6		2.98 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Octanal	124-13-0		0.9 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Pentane	109-66-0		1.22 NJ
CEMRC	7/2/2014	7/11/2014	9021	Southeast Fenceline	Propane	74-98-6		2.56 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Toluene	108-88-3	0.4	0.24 J

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Chloroform	67-66-3	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Butane	106-97-8		2.2 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Isobutane	75-28-5		1.34 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Nonanal	124-19-6		2.48 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Octanal	124-13-0		0.72 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Pentane	109-66-0		0.96 NJ
CEMRC	7/9/2014	7/14/2014	9023	WQSP-4	Propane	74-98-6		1.84 NJ
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.14 J
CEMRC	7/9/2014	7/14/2014	9024	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Toluene	108-88-3	0.4	0.18 J
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Butane	106-97-8		2.26 NJ
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Isobutane	75-28-5		1.34 NJ

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Nonanal	124-19-6		1.16 NJ
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Pentane	109-66-0		0.96 NJ
CEMRC	7/9/2014	7/14/2014	9024	Training Building	Propane	74-98-6		2.02 NJ
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Toluene	108-88-3	0.4	0.18 J
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Butane	106-97-8		2.16 NJ
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Isobutane	75-28-5		1.38 NJ
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Nonanal	124-19-6		0.46 NJ
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Pentane	109-66-0		1 NJ
CEMRC	7/9/2014	7/14/2014	9025	Southeast Fenceline	Propane	74-98-6		1.88 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	7/10/2014	7/14/2014	9026	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Chlorobenzene	108-90-7	0.4	U

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Toluene	108-88-3	0.4	0.4
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Butane	106-97-8		3.1 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Cyclotetrasiloxane, octamethyl-	556-67-2		0.46 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Cyclotrisiloxane, hexamethyl-	541-05-9		0.86 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Hexanal	66-25-1		0.44 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Isobutane	75-28-5		1.88 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Nonanal	124-19-6		2.8 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Octanal	124-13-0		0.96 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Pentane	109-66-0		1.46 NJ
CEMRC	7/10/2014	7/14/2014	9026	Training Building	Propane	74-98-6		2.5 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Toluene	108-88-3	0.4	0.36 J
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U

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Notes:

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Acetophenone	98-86-2		0.46 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Butane	106-97-8		3.22 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.72 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		1.1 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Isobutane	75-28-5		1.9 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Nonanal	124-19-6		2.24 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Octanal	124-13-0		0.66 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Pentane	109-66-0		1.46 NJ
CEMRC	7/10/2014	7/14/2014	9027	Southeast Fenceline	Propane	74-98-6		2.52 NJ
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.16 J
CEMRC	7/16/2014	7/18/2014	9028	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Toluene	108-88-3	0.4	0.22 J
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Acetone	67-64-1		1.18 NJ
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Butane	106-97-8		2.82 NJ

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Notes:

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Isobutane	75-28-5		1.86 NJ
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Nonanal	124-19-6		1.08 NJ
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Pentane	109-66-0		1.3 NJ
CEMRC	7/16/2014	7/18/2014	9028	Training Building	Propane	74-98-6		2.7 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.18 J
CEMRC	7/16/2014	7/18/2014	9029	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Toluene	108-88-3	0.4	0.3 J
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Acetone	67-64-1		1.34 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Butane	106-97-8		2.9 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Hexanal	66-25-1		0.44 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Isobutane	75-28-5		1.84 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Nonanal	124-19-6		3.44 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Octanal	124-13-0		0.82 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Pentane	109-66-0		1.34 NJ
CEMRC	7/16/2014	7/18/2014	9029	Training Building	Propane	74-98-6		2.58 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Toluene	108-88-3	0.4	0.22 J
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Acetone	67-64-1		1.2 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Butane	106-97-8		2.9 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Isobutane	75-28-5		2.1 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Nonanal	124-19-6		0.54 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Pentane	109-66-0		1.3 NJ
CEMRC	7/16/2014	7/18/2014	9030	Southeast Fenceline	Propane	74-98-6		2.66 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Toluene	108-88-3	0.4	0.32 J
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U

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Notes:

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Acetone	67-64-1		1.22 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Butane	106-97-8		3.08 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Isobutane	75-28-5		2.02 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Nonanal	124-19-6		1.5 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Octanal	124-13-0		0.46 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Pentane	109-66-0		1.34 NJ
CEMRC	7/16/2014	7/18/2014	9031	Southeast Fenceline	Propane	74-98-6		2.62 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.22 J
CEMRC	7/17/2014	7/18/2014	9032	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Toluene	108-88-3	0.4	0.28 J
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Acetone	67-64-1		1.14 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Acetophenone	98-86-2		0.44 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Butane	106-97-8		2.9 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Cyclotrisiloxane, hexamethyl-	541-05-9		0.44 NJ

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
U = Compound not detected above the MDL.
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Hexanal	66-25-1		0.48 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Isobutane	75-28-5		1.86 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Nonanal	124-19-6		4.72 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Octanal	124-13-0		1.3 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Pentane	109-66-0		1.24 NJ
CEMRC	7/17/2014	7/18/2014	9032	Training Building	Propane	74-98-6		2.54 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Toluene	108-88-3	0.4	0.22 J
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Acetone	67-64-1		1.04 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Acetophenone	98-86-2		0.8 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Butane	106-97-8		3.04 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.64 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		0.88 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Isobutane	75-28-5		1.86 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Nonanal	124-19-6		4.24 NJ

Qualifiers:

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Octanal	124-13-0		1.04 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Pentane	109-66-0		1.32 NJ
CEMRC	7/17/2014	7/18/2014	9033	Southeast Fenceline	Propane	74-98-6		2.64 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Toluene	108-88-3	0.4	0.32 J
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Chloroform	67-66-3	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Acetone	67-64-1		1.16 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Butane	106-97-8		4.38 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Isobutane	75-28-5		2.48 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Nonanal	124-19-6		2.82 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Octanal	124-13-0		0.9 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Pentane	109-66-0		1.84 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Pentane, 2-methyl-	107-83-5		0.54 NJ
CEMRC	7/23/2014	7/30/2014	9036	WQSP-4	Propane	74-98-6		3.78 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Methylene Chloride	75-09-2	0.4	U

Qualifiers:

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Toluene	108-88-3	0.4	0.34 J
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Acetone	67-64-1		1.62 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Butane	106-97-8		5.4 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Cyclopentane, methyl-	96-37-7		0.52 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Isobutane	75-28-5		3.28 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Nonanal	124-19-6		1.12 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Pentane	109-66-0		2.34 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Pentane, 2-methyl-	107-83-5		0.68 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Propane	74-98-6		4.74 NJ
CEMRC	7/23/2014	7/30/2014	9034	Training Building	Silanol, trimethyl-	1066-40-6		0.7 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	0.16 J
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Toluene	108-88-3	0.4	0.32 J

Qualifiers:

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	0.12 J
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Acetone	67-64-1		2.08 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Butane	106-97-8		4.48 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Butane, 2-methyl-	78-78-4		1.94 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.46 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Ethanol	64-17-5		0.44 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Isobutane	75-28-5		3.7 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Nonanal	124-19-6		1.02 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Octanal	124-13-0		0.48 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Pentane	109-66-0		1.96 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Pentane, 2-methyl-	107-83-5		0.6 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Propane	74-98-6		3.88 NJ
CEMRC	7/23/2014	7/30/2014	9035	Southeast Fenceline	Silanol, trimethyl-	1066-40-6		0.52 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Toluene	108-88-3	0.4	0.46
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Chloroform	67-66-3	0.4	U

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Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.

Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/24/2014	7/30/2014	9037	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Acetone	67-64-1		1.36 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Butane	106-97-8		6.02 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Cyclohexane, methyl-	108-87-2		0.44 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Cyclopentane, methyl-	96-37-7		0.44 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Hexanal	66-25-1		0.54 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Isobutane	75-28-5		3.4 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Nonanal	124-19-6		4.2 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Octanal	124-13-0		1.24 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Pentane	109-66-0		2.54 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Pentane, 2-methyl-	107-83-5		0.76 NJ
CEMRC	7/24/2014	7/30/2014	9037	Training Building	Propane	74-98-6		5.06 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Toluene	108-88-3	0.4	0.46
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U

Qualifiers:

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Notes:

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Validated VOC Monitoring Data – Surface Sampling at the WIPP

analytical services by Carlsbad Environmental Monitoring & Research Center (CEMRC)

Lab	Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)*	Concentration (ppbv)
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Acetone	67-64-1		1.28 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Acetophenone	98-86-2		0.5 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Butane	106-97-8		6.1 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Cyclohexane, methyl-	108-87-2		0.48 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Cyclopentane, methyl-	96-37-7		0.58 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		1.04 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		1.9 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Isobutane	75-28-5		3.38 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Nonanal	124-19-6		2.74 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Octanal	124-13-0		0.86 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Pentane	109-66-0		2.56 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Pentane, 2-methyl-	107-83-5		0.74 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Propane	74-98-6		5.16 NJ
CEMRC	7/24/2014	7/30/2014	9038	Southeast Fenceline	Silanol, trimethyl-	1066-40-6		0.52 NJ

Qualifiers:

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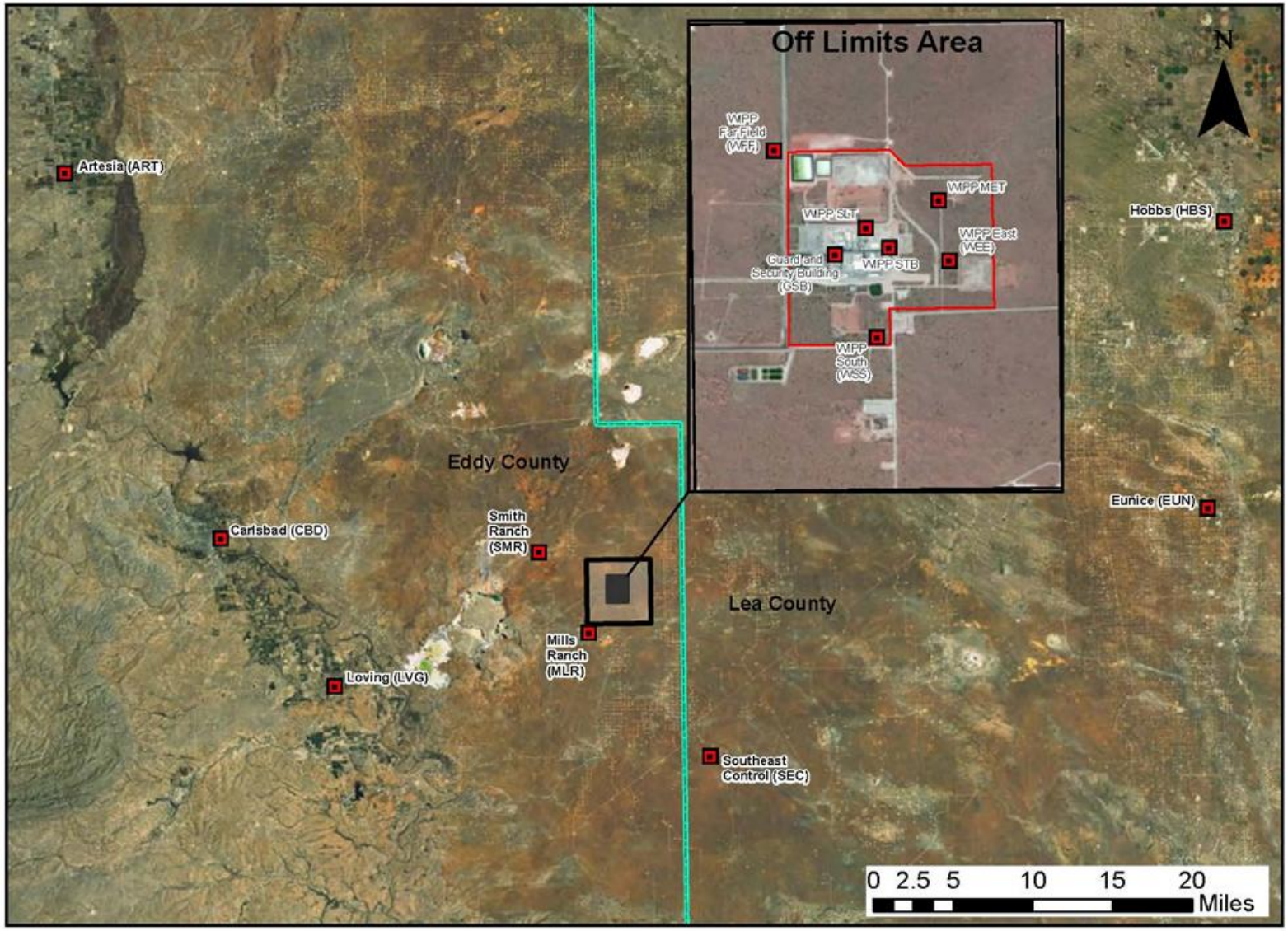
Notes:

(1) Starting with samples collected on or after May 12, 2014, trichloroethylene (TCE) is a target analyte in compliance with Administrative Order dated 5/12/2014. For samples collected before 5/12/2014, TCE is an additional requested analyte; not a Permit-prescribed target analyte but included in the laboratory quantitative analysis.

* A value will not appear in the MRL column for TICs.



Location of Sampling Sites for Low Volume Air Sampling, Soil Sampling, Biota, and Meteorological Monitoring

Meteorological Data Acronyms and Definitions

Date & Time	Self-explanatory
Day	Numeric identifier
15 min	Time interval of data
Juli date	Julian date (day-of-year number)
2WS m/s	2-meter wind speed in meters per second
2WD Deg	2-meter wind direction in degrees
2SD	2-meter standard deviation
10WS m/s	10-meter wind speed in meters per second
10WD Deg	10-meter wind direction in degrees
10SD	10-meter standard deviation
50WS m/s	50-meter wind speed in meters per second
50WD Deg	50-meter wind direction in degrees
50SD	50-meter standard deviation

2M T Deg C	2-meter temperature in degrees Celsius
10M T Deg C	10-meter temperature in degrees Celsius
50M T Deg C	50-meter temperature in degrees Celsius
10 DT	10-meter differential temperature (2M T minus 10M T)
50 DT	50-meter differential temperature (2M T minus 50M T)
RH %	Relative humidity as percentage
DPT Deg C	Dew point in degrees Celsius
SR	Solar Radiation
BP mB	Barometric pressure in millibars
prcp mm	Precipitation in millimeters

Note 1: The differential temperature columns (10DT and 50DT) are 10-meter or 50-meter temperatures subtracted from the 2-meter temperature reading. Negative values indicate the 10- or 50-meter temperatures are greater than the corresponding 2-meter temperature.

Note 2: The dew point is a number generated by the Met station based on the recorded relative humidity and temperature readings. Dew point is the temperature at which the water in the air will condense to liquid. This temperature can be very low at times, including a negative temperature. The Met system is programmed to display a temperature as low as -30 degrees Celsius.

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/28/2014 0:00	72446	15	209	2.958	152	13.03	4.601	145.1	8.14	6.814	143.2	5.257	28.79	29.04	28.95	0.254	0.162	42.77	14.9	1.21	892	0
7/28/2014 0:15	72447	15	209	2.76	148.6	12.58	4.271	142.1	8.73	6.6	141.6	5.685	28.6	28.85	28.78	0.249	0.179	42.67	14.7	1.196	892	0
7/28/2014 0:30	72448	15	209	2.159	141.7	13.1	3.572	137.1	8.05	5.975	139.3	5.29	28.03	28.42	28.5	0.387	0.468	43.95	14.64	1.132	892	0
7/28/2014 0:45	72449	15	209	1.783	138.2	13.15	3.158	134.1	8.88	5.703	136.5	5.459	27.63	28.1	28.23	0.473	0.602	44.86	14.6	1.081	892	0
7/28/2014 1:00	72450	15	209	2.051	141.2	12.35	3.39	137.2	7.776	5.897	139.3	5.403	27.44	27.87	28.02	0.429	0.584	45.1	14.51	1.161	892	0
7/28/2014 1:15	72451	15	209	2.03	133.7	12.09	3.395	129.5	7.443	5.852	134.2	4.677	27.15	27.64	27.86	0.492	0.71	45.19	14.27	1.193	892	0
7/28/2014 1:30	72452	15	209	2.132	129.8	11.85	3.62	127	7.121	5.837	131.3	4.67	27	27.52	27.73	0.519	0.727	44.61	13.94	1.08	892	0
7/28/2014 1:45	72453	15	209	1.89	115	11.97	3.461	114.2	6.764	5.949	122.1	4.627	26.34	27.02	27.52	0.683	1.178	45.95	13.8	1.045	892	0
7/28/2014 2:00	72454	15	209	2.398	126.2	12.93	4.082	122.4	8.08	7	128.7	4.843	26.38	26.89	27.33	0.505	0.944	46.43	14	1.163	892	0
7/28/2014 2:15	72455	15	209	1.875	126.1	11.12	3.627	124	5.881	6.372	129.7	3.058	25.79	26.48	27.14	0.684	1.345	47.12	13.69	1.19	892	0
7/28/2014 2:30	72456	15	209	1.839	132.6	13.66	3.475	128.2	8.97	6.512	135.4	6.112	25.33	26.11	26.83	0.784	1.501	48.8	13.8	1.185	892	0
7/28/2014 2:45	72457	15	209	1.932	134.9	11.54	3.537	130.6	6.634	6.409	135.2	4.424	25.51	26.14	26.62	0.623	1.11	47.32	13.5	1.168	892	0
7/28/2014 3:00	72458	15	209	1.847	138.1	12.81	3.25	134	9.06	5.96	136.1	6.211	25.47	26.07	26.46	0.603	0.99	46.84	13.3	1.147	892	0
7/28/2014 3:15	72459	15	209	2.139	162.5	13.44	3.704	153.6	10.28	6.254	149.2	6.566	25.53	26.07	26.32	0.536	0.785	46.49	13.25	1.188	893	0
7/28/2014 3:30	72460	15	209	2.143	168.7	13.59	3.565	161.9	9.15	5.852	157.3	5.832	25.38	25.86	25.99	0.487	0.61	46.81	13.21	1.179	893	0
7/28/2014 3:45	72461	15	209	2.001	153	13.48	3.408	147.5	8.86	5.646	148.4	5.571	25.1	25.59	25.7	0.494	0.604	47.79	13.27	1.046	893	0
7/28/2014 4:00	72462	15	209	1.768	154.1	13.73	3.076	150.1	9.24	5.664	150.1	5.172	24.7	25.25	25.46	0.55	0.755	49.25	13.37	1.277	893	0
7/28/2014 4:15	72463	15	209	1.482	142.2	13.06	2.76	140.1	7.719	5.462	143.9	4.921	24.34	24.96	25.28	0.627	0.945	50.81	13.51	1.017	893	0
7/28/2014 4:30	72464	15	209	0.832	133	16.11	1.852	135.9	8.59	4.404	142.6	5.367	23.86	24.65	25.07	0.792	1.209	52.66	13.62	0.933	893	0
7/28/2014 4:45	72465	15	209	0.844	353.3	41.21	0.673	242.4	102.3	2.459	155.5	12.35	22.97	24.42	24.93	1.448	1.965	55.03	13.47	0.678	894	0
7/28/2014 5:00	72466	15	209	1.061	33.58	21.5	0.923	20.9	35.78	1.546	152	13.86	21.5	24.6	25.01	3.105	3.51	60.04	13.43	0.78	894	0
7/28/2014 5:15	72467	15	209	1.215	40.67	10.03	2.419	40.01	4.54	1.102	115.6	20.98	21.29	24.31	25.02	3.019	3.73	61.46	13.6	3.156	894	0
7/28/2014 5:30	72468	15	209	1.074	358.7	35.56	1.694	3.673	34.71	1.038	260.2	75.22	21.41	24.18	24.94	2.772	3.527	60.99	13.59	18.42	895	0
7/28/2014 5:45	72469	15	209	1.254	323.9	15.32	2.636	326.3	9.59	2.232	302.9	6.502	21.62	22.95	24.75	1.329	3.131	60.74	13.72	50.06	895	0
7/28/2014 6:00	72470	15	209	1.61	358.8	17.71	3.277	347.2	13.02	4.113	327.3	9.61	22.95	23.53	24.73	0.579	1.778	57.96	14.25	93.1	895	0
7/28/2014 6:15	72471	15	209	2.32	343.4	19.17	3.656	337.2	18.15	5.784	318.6	9.39	24.58	24.38	24.93	-0.199	0.345	52.81	14.33	171.3	895	0
7/28/2014 6:30	72472	15	209	2.516	322.1	13.66	3.276	317	10.59	4.353	308.1	5.545	25.33	25.12	24.82	-0.205	-0.507	50.09	14.2	158.3	895	0
7/28/2014 6:45	72473	15	209	2.377	312.5	15.15	2.869	309	10.1	3.604	304.4	7.383	25.44	25.16	24.67	-0.287	-0.772	51.45	14.72	210.1	896	0
7/28/2014 7:00	72474	15	209	4.734	324.3	17.63	6.652	320.5	14.44	8.33	317	10.88	26	25.59	24.99	-0.412	-1.016	52.09	15.43	293.8	896	0
7/28/2014 7:15	72475	15	209	5.571	341	14.91	8.39	337.5	10.81	11.16	333.7	7.119	26.08	25.69	25.04	-0.385	-1.042	50.24	14.94	280.3	896	0
7/28/2014 7:30	72476	15	209	5.729	351.8	18.24	8.58	347	14.6	11.22	342.2	9.14	26.55	26.12	25.43	-0.436	-1.119	49.42	15.12	325.2	896	0
7/28/2014 7:45	72477	15	209	5.954	350.2	21.05	9.17	347.3	16.23	11.77	342.1	12.09	26.74	26.28	25.61	-0.459	-1.127	50.26	15.55	324	896	0
7/28/2014 8:00	72478	15	209	6.193	349.2	19.87	9.48	345.8	11.92	12.41	341.4	7.257	27.05	26.51	25.78	-0.54	-1.264	51.14	16.11	372.5	896	0
7/28/2014 8:15	72479	15	209	6.971	351.9	19.34	10.25	348.4	14.08	12.77	343.2	7.043	27.32	26.69	25.91	-0.631	-1.415	50.64	16.21	476.7	896	0
7/28/2014 8:30	72480	15	209	6.704	350.8	19.93	10.02	347.7	13.94	12.51	343.3	7.43	28.39	27.42	26.45	-0.971	-1.941	46.02	15.68	733.3	895	0
7/28/2014 8:45	72481	15	209	6.46	356.6	21.24	9.48	353.8	15.91	11.65	349.7	11.96	29.12	27.94	26.89	-1.182	-2.234	45.52	16.17	829	895	0
7/28/2014 9:00	72482	15	209	6.82	6.088	19.63	10.01	1.724	16.14	12.06	1.292	14.95	29.54	28.32	27.26	-1.216	-2.278	43.67	15.9	866	895	0
7/28/2014 9:15	72483	15	209	6.622	3.073	21.96	9.89	0.467	16.53	12.04	357.7	15.26	29.46	28.42	27.42	-1.042	-2.039	43.31	15.71	614.1	895	0
7/28/2014 9:30	72484	15	209	5.952	6.976	19.59	8.86	2.4	16.75	11.18	1.353	11.29	29.38	28.51	27.59	-0.861	-1.784	43.24	15.6	498.4	895	0
7/28/2014 9:45	72485	15	209	5.485	3.123	18.93	7.955	359.4	14.9	10.01	357	14.98	29.49	28.69	27.78	-0.799	-1.709	42.74	15.52	504.5	896	0
7/28/2014 10:00	72486	15	209	4.609	0.289	20.41	6.718	357	17.25	8.41	355.9	14.97	30.53	29.38	28.35	-1.152	-2.18	42.45	16.35	752.3	895	0
7/28/2014 10:15	72487	15	209	4.65	1.194	20.44	6.665	357	16.37	8	353.5	15	30.82	29.68	28.64	-1.139	-2.185	39.34	15.42	682.2	895	0
7/28/2014 10:30	72488	15	209	4.402	355	19.58	6.431	351.5	16.23	7.642	345.5	13.54	30.92	29.86	29.01	-1.065	-1.919	40.14	15.83	577.8	895	0
7/28/2014 10:45	72489	15	209	4.455	4.752	21.89	6.545	1.824	17.79	7.847	359.1	14.89	30.97	30.08	29.27	-0.888	-1.699	39.58	15.65	451.8	895	0
7/28/2014 11:00	72490	15	209	4.27	5.479	26.91	6.228	3.925	22.4	7.704	2.673	22.38	31.01	30.27	29.52	-0.741	-1.49	38.79	15.36	355.3	895	0
7/28/2014 11:15	72491	15	209	3.223	59.49	33.14	4.651	55.25	29.81	5.552	48.95	28.84	31.57	30.83	30.11	-0.736	-1.462	35.06	14.27	443.3	895	0
7/28/2014 11:30	72492	15	209	2.913	75.14	19.59	4.011	69.92	14.65	4.918	67.61	10.29	31.84	30.99	30.26	-0.855	-1.584	33.34	13.75	543.6	895	0
7/28/2014 11:45	72493	15	209	3.111	99.5	22.64	4.18	97.3	18.99	5.193	93.9	21.04	32.37	31.37	30.58	-1.003	-1.789	31.38	13.24	604.5	895	0
7/28/2014 12:00	72494	15	209	3.885	100.7	31.9	5.264	97	26.91	6.156	94.8	24.66	32.97	31.59	30.74	-1.378	-2.231	30.32	13.26	779.4	895	0
7/28/2014 12:15	72495	15	209	4.173	89.4	25.91	5.683	83.1	23.61	6.325	78.2	18.97	32.42	31.27	30.54	-1.147	-1.882	32.23	13.7	543.4	894	0
7/28/2014 12:30	72496	15	209	3.012	100.2	20.04	3.934	96.9	14.8	4.902	92.1	11.22	32.46	31.52	30.75	-0.947	-1.71	30.83	13.08	530.4	894	0
7/28/2014 12:45	72497	15	209	4.006	78.96	19.43	5.555	75.5	16.75	6.68	76.91	14.09	32.24	31.32	30.56	-0.921	-1.689	33.02	13.96	480.4	894	0
7/28/2014 13:00	72498	15	209	3.912	88.2	17.25	5.228	82.5	14.15	6.31	78.82	13.62	32.97	31.82	30.85	-1.156	-2.123	30.89	13.56	796.1	894	0
7/28/2014 13:15	72499	15	209	4.085	79.29	21.37	5.488	72.06	15.72	6.654	69.27	11.48	33.97	32.31	31.22	-1.651	-2.741	28.82	13.35	1089	894	0
7/28/2014 13:30	72500	15	209	4.256	93.5	20.97	5.679	88.9	19.5	6.778	85.2	17.16	34.29	32.58	31.55	-1.713	-2.741	26.75	12.48	972	894	0
7/28/2014 13:45	72501	15	209	3.492	136.9	28.65	4.845	129.6	22.92	5.744	124.7	20.07	34.63	32.77	31.67	-1.858	-2.952	26.12	12.4	1010	893	0
7/28/2014 14:00	72502	15	209	4.482	106.7	24.34	6.079	101.3	18.94	7.155	97.9	11.76	34.63	32.82	31.84	-1.813	-2.79	26.45	12.6	1057	893	0
7/28/2014 14:15	72503	15	209	4.427	87.1	20.3	5.899	83.4	18.12	7.011	80.5	13.92	34.45	32.73	31.69	-1.715	-2.76	27.57	13.08	958	893	0
7/28/2014 14:30	72504	15	209	4.119	99.2	22.59	5.419	95.2	18.6	6.592	93.7	18.11	34.57	33	31.88	-1.57	-2.691	27.04	12.89	957	893	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/28/2014 14:45	72505	15	209	3.763	129.3	23.95	5.244	124.9	16.68	6.44	119.4	13.22	34.7	32.96	31.91	-1.74	-2.791	26.81	12.87	921	893	0
7/28/2014 15:00	72506	15	209	4.586	113.8	20.84	6.217	107.9	14.9	7.278	104.4	10.41	35.11	33.24	32.12	-1.873	-2.989	26.22	12.88	1037	892	0
7/28/2014 15:15	72507	15	209	4.207	114.7	26.73	5.732	109.4	20.6	6.861	106.9	16.9	35.11	33.28	32.19	-1.832	-2.926	25.92	12.7	869	892	0
7/28/2014 15:30	72508	15	209	3.832	111	29.31	5.453	106.9	25.2	6.618	107.3	20.56	34.63	33.41	32.53	-1.222	-2.102	26.45	12.6	618	892	0
7/28/2014 15:45	72509	15	209	4.997	93.3	16.5	6.853	89.6	13.95	8.16	86.6	11.25	34.92	33.53	32.53	-1.39	-2.387	26.24	12.73	696.5	892	0
7/28/2014 16:00	72510	15	209	4.038	98.9	18.26	5.757	93.3	14.69	7.006	88.1	12.04	33.73	32.9	32.19	-0.829	-1.543	27.91	12.65	270.1	892	0
7/28/2014 16:15	72511	15	209	4.065	97.6	19.31	5.888	89.9	15.49	7.242	88.2	11.21	33.69	32.92	32.22	-0.77	-1.475	28.78	13.09	351.7	892	0
7/28/2014 16:30	72512	15	209	4.302	85.6	15.93	5.918	81.7	14.64	7.181	81	13	34.52	33.46	32.58	-1.066	-1.94	27.59	13.15	599.8	891	0
7/28/2014 16:45	72513	15	209	4.757	82.9	19.75	6.377	79.78	16.47	7.433	79.82	15.23	34.19	33.26	32.47	-0.931	-1.721	27.94	13.06	494.7	891	0
7/28/2014 17:00	72514	15	209	5.819	81.7	13.95	8.29	78.2	11.79	10.15	76.02	8.11	34.08	33.1	32.15	-0.979	-1.935	29.55	13.83	486.9	891	0
7/28/2014 17:15	72515	15	209	4.997	84.5	14.87	7.05	80.3	10.89	8.64	76.77	7.317	33.48	32.81	32.07	-0.676	-1.415	30.25	13.68	293.1	891	0
7/28/2014 17:30	72516	15	209	5.786	85.4	14.94	8.27	81.4	11.63	10.48	77.67	8.98	33.45	32.88	32.11	-0.569	-1.338	30.58	13.8	265.4	891	0
7/28/2014 17:45	72517	15	209	5.628	91.3	13.37	7.99	87.3	9.04	10.02	85.3	6.73	32.65	32.35	31.76	-0.307	-0.897	32.55	14.09	106	891	0
7/28/2014 18:00	72518	15	209	5.424	88.6	13.03	7.608	83.8	9.81	9.76	82.5	6.859	32.51	32.25	31.7	-0.255	-0.805	33.31	14.32	116.3	891	0
7/28/2014 18:15	72519	15	209	5.583	98.9	13.03	7.932	94.1	8.99	10.73	91.6	6.132	32.26	32.04	31.48	-0.217	-0.779	34.02	14.43	108.6	891	0
7/28/2014 18:30	72520	15	209	5.344	98	13.59	7.559	94.2	9.13	10.28	91	5.909	31.87	31.75	31.28	-0.122	-0.59	35.13	14.59	55.61	891	0
7/28/2014 18:45	72521	15	209	4.984	96.1	12.44	7.253	92.3	8.43	9.75	88.8	5.93	31.47	31.45	31.07	-0.023	-0.401	36.15	14.68	17.46	891	0
7/28/2014 19:00	72522	15	209	4.882	89.4	11.93	7.119	85.8	7.847	10.06	83.8	5	31.08	31.1	30.78	0.016	-0.306	37.3	14.82	4.953	891	0
7/28/2014 19:15	72523	15	209	4.643	89.9	12.08	6.761	84.4	8.2	9.3	81.8	5.159	30.81	30.87	30.6	0.058	-0.213	38.12	14.93	1.986	892	0
7/28/2014 19:30	72524	15	209	5.045	87.4	12.21	7.3	84.7	7.953	9.86	82.8	5.42	30.67	30.73	30.47	0.067	-0.193	38.22	14.83	1.529	892	0
7/28/2014 19:45	72525	15	209	5.616	98.5	11.97	7.948	94.5	8.45	10.94	91.6	5.753	30.39	30.44	30.14	0.047	-0.25	40.23	15.38	1.544	892	0
7/28/2014 20:00	72526	15	209	5.526	97.2	11.68	7.934	93.8	7.547	10.64	90.9	4.557	29.99	30.03	29.73	0.046	-0.258	42.35	15.83	1.518	892	0
7/28/2014 20:15	72527	15	209	5.977	99.5	11.76	8.46	94.9	7.876	11.61	90.7	4.76	29.53	29.56	29.24	0.026	-0.287	44.29	16.11	1.632	892	0
7/28/2014 20:30	72528	15	209	6.822	103.2	12.25	10.05	98	7.367	13.4	94.4	5.037	29.01	29.02	28.68	0.004	-0.336	47.23	16.66	1.766	892	0
7/28/2014 20:45	72529	15	209	6.149	103.2	13.08	9.11	99.5	7.832	12.16	96.3	5.104	28.57	28.59	28.26	0.018	-0.307	48.76	16.75	1.803	892	0
7/28/2014 21:00	72530	15	209	5.967	103.4	12.16	8.6	98.8	7.551	11.64	95.4	4.836	28.28	28.31	28	0.025	-0.284	49.34	16.68	1.717	893	0
7/28/2014 21:15	72531	15	209	5.373	102.1	12.44	7.892	97.7	8.11	10.45	93.8	4.999	28.02	28.07	27.78	0.048	-0.242	49.9	16.61	1.44	893	0
7/28/2014 21:30	72532	15	209	5.572	104.5	11.54	8.06	99.3	7.715	10.55	97	5.215	27.8	27.86	27.57	0.054	-0.236	50.6	16.64	1.745	893	0
7/28/2014 21:45	72533	15	209	5.034	108.2	12.99	7.613	104.2	8.09	10.38	100.8	5.257	27.56	27.64	27.38	0.073	-0.187	51.19	16.6	1.553	893	0
7/28/2014 22:00	72534	15	209	5.439	108.4	11.7	7.822	104.2	7.328	10.31	101.5	5.004	27.4	27.47	27.19	0.064	-0.21	51.68	16.6	1.548	893	0
7/28/2014 22:15	72535	15	209	5.09	109.2	12.52	7.593	105	7.569	10.68	102	4.343	27.17	27.25	27.02	0.083	-0.15	52.18	16.53	1.557	893	0
7/28/2014 22:30	72536	15	209	5.462	110.7	12.67	8.05	104.6	8.14	10.92	102.5	5.348	26.98	27.04	26.79	0.069	-0.187	52.94	16.59	1.617	893	0
7/28/2014 22:45	72537	15	209	5.932	108.1	11.9	8.64	104	8.19	11.39	101.3	5.136	26.82	26.87	26.58	0.049	-0.234	53.84	16.71	1.654	893	0
7/28/2014 23:00	72538	15	209	5.516	105.1	11.93	7.962	101.1	8.61	10.55	98.2	5.35	26.54	26.59	26.31	0.052	-0.233	55.12	16.82	1.391	893	0
7/28/2014 23:15	72539	15	209	5.327	103.4	12.33	7.796	99.1	7.638	10.91	96.7	4.843	26.24	26.3	26.04	0.06	-0.203	56.7	16.98	1.5	893	0
7/28/2014 23:30	72540	15	209	4.895	106.6	12.54	7.306	101.7	8.16	10.5	99	4.509	25.96	26.02	25.77	0.063	-0.183	58.07	17.1	1.537	893	0
7/28/2014 23:45	72541	15	209	4.689	111	13.18	7.198	105.7	7.448	9.71	102.9	4.788	25.72	25.8	25.55	0.082	-0.175	59.03	17.13	1.486	893	0
7/29/2014 0:00	72542	15	210	4.487	111.9	12.69	6.741	107.7	7.644	9.25	104.6	4.764	25.53	25.61	25.36	0.077	-0.168	59.59	17.11	1.341	893	0
7/29/2014 0:15	72543	15	210	4.343	108.9	13.3	6.44	103.9	7.813	9.12	101.9	4.718	25.34	25.43	25.22	0.089	-0.125	60.23	17.1	1.323	893	0
7/29/2014 0:30	72544	15	210	4.402	109.3	12.37	6.567	104.9	7.989	9.06	102.9	4.85	25.2	25.28	25.06	0.081	-0.142	60.75	17.1	1.678	893	0
7/29/2014 0:45	72545	15	210	4.292	111.9	12.81	6.497	107.4	8.47	9.2	105.3	5.31	25.03	25.13	24.92	0.096	-0.11	61.31	17.09	1.338	893	0
7/29/2014 1:00	72546	15	210	4.734	111.7	11.28	6.894	108.2	7.455	9.67	105.8	4.75	24.96	25.04	24.82	0.08	-0.142	61.65	17.1	1.489	893	0
7/29/2014 1:15	72547	15	210	4.615	112.5	12.56	6.778	108.9	7.771	9.35	105.3	4.61	24.75	24.84	24.62	0.084	-0.138	62.35	17.09	1.456	893	0
7/29/2014 1:30	72548	15	210	4.492	114.5	11.46	6.681	109.8	7.405	9.27	107	4.476	24.55	24.64	24.44	0.089	-0.117	63.14	17.1	1.456	893	0
7/29/2014 1:45	72549	15	210	4.305	114.4	11.68	6.461	109.9	7.338	9.38	107.4	4.225	24.35	24.45	24.27	0.096	-0.084	63.96	17.11	1.391	893	0
7/29/2014 2:00	72550	15	210	3.89	116.1	12.37	6.009	110.8	7.132	9.09	108.5	4.152	24.12	24.24	24.09	0.117	-0.036	64.81	17.1	1.465	893	0
7/29/2014 2:15	72551	15	210	3.66	116.6	12.53	5.543	112.5	7.268	8.58	109.8	4.158	23.88	24.01	23.88	0.127	-0.002	65.73	17.1	1.263	893	0
7/29/2014 2:30	72552	15	210	4.086	117.9	12.17	6.15	113.5	7.09	8.95	110.9	4.075	23.8	23.91	23.76	0.116	-0.042	66.1	17.11	1.427	893	0
7/29/2014 2:45	72553	15	210	4.26	116.6	12.76	6.465	112.6	6.865	9.33	111.6	4.242	23.75	23.86	23.7	0.115	-0.044	66.36	17.12	1.544	893	0
7/29/2014 3:00	72554	15	210	3.709	115.5	13.29	5.643	110.8	7.659	8.37	108.8	4.201	23.47	23.61	23.48	0.131	0.009	67.27	17.08	1.318	893	0
7/29/2014 3:15	72555	15	210	3.831	118.5	12.73	5.992	113	6.981	8.59	111.4	4.525	23.41	23.54	23.4	0.134	-0.003	67.78	17.13	1.439	893	0
7/29/2014 3:30	72556	15	210	3.91	118.5	12.42	5.898	115.3	7.524	8.36	113.4	4.331	23.43	23.53	23.37	0.1	-0.06	68.04	17.21	1.304	893	0
7/29/2014 3:45	72557	15	210	3.565	116.2	12.67	5.471	111.3	7.58	7.768	110.1	4.297	23.5	23.57	23.4	0.076	-0.1	67.71	17.2	1.286	893	0
7/29/2014 4:00	72558	15	210	3.328	113.6	13.44	5.055	109.5	8.15	7.712	109.1	5.129	23.49	23.6	23.47	0.112	-0.017	67.17	17.07	1.168	893	0
7/29/2014 4:15	72559	15	210	2.962	114.3	12.64	4.59	110.6	7.683	6.697	109.5	4.764	23.43	23.59	23.45	0.152	0.012	66.99	16.97	1.092	893	0
7/29/2014 4:30	72560	15	210	2.805	114	12.09	4.392	108.2	6.908	6.689	108.6	4.629	23.41	23.56	23.52	0.152	0.106	66.61	16.86	1.041	893	0
7/29/2014 4:45	72561	15	210	2.655	114.7	12.29	4.039	109.7	7.207	6.344	109.5	3.97	23.42	23.56	23.52	0.134	0.097	66.02	16.73	1.135	893	0
7/29/2014 5:00	72562	15	210	2.297	112.1	12.74	3.601	109.8	6.868	5.823	109.5	4.012	23.26	23.48	23.45	0.222	0.186	66.1	16.6	1.192	893	0
7/29/2014 5:15	72563	15	210	2.498	99.2	11.47	3.943	96.8	7.765	6.381	101	5.51	22.95	23.2	23.33	0.258	0.385	67.74	16.68	2.841	893	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/29/2014 5:30	72564	15	210	2.303	87.8	11.03	3.698	84.8	6.974	6.394	90.5	3.328	22.9	23.02	23.12	0.121	0.216	68.84	16.89	10.24	893	0
7/29/2014 5:45	72565	15	210	2.248	82	10.93	3.322	79.23	7.547	5.496	83.6	5.388	23.2	23.19	23.06	-0.015	-0.144	68.09	17.01	24.16	894	0
7/29/2014 6:00	72566	15	210	2.563	90	12.33	3.789	84.5	8.85	5.642	88.4	8.91	23.47	23.41	23.24	-0.057	-0.224	67.1	17.03	54.66	894	0
7/29/2014 6:15	72567	15	210	2.838	94.9	15.01	4.212	89.1	10.14	6.24	89.9	6.427	23.58	23.5	23.21	-0.087	-0.373	66.54	17.01	92.1	894	0
7/29/2014 6:30	72568	15	210	3.329	95.3	12.1	4.738	91.4	7.99	6.423	92	7.105	24.02	23.81	23.49	-0.212	-0.53	64.94	17.03	161.4	894	0
7/29/2014 6:45	72569	15	210	3.822	100	14.54	5.537	95.5	9.64	6.966	93	7.599	24.5	24.14	23.63	-0.355	-0.874	62.57	16.9	210.9	894	0
7/29/2014 7:00	72570	15	210	4.181	104.3	13.8	6.024	98.9	9.48	7.372	97.9	6.453	24.73	24.37	23.82	-0.359	-0.911	60.62	16.62	229.7	894	0
7/29/2014 7:15	72571	15	210	4.198	99	12.77	6.16	94.1	7.59	7.249	93.2	5.424	24.97	24.49	23.91	-0.481	-1.062	60.28	16.76	278.7	894	0
7/29/2014 7:30	72572	15	210	4.226	105.1	13.84	5.977	101	9.21	7.167	100.4	6.31	25.25	24.79	24.18	-0.464	-1.069	58.35	16.51	267.7	894	0
7/29/2014 7:45	72573	15	210	3.68	111.2	14.05	5.252	106.1	8.86	6.176	101.2	6.849	25.42	24.95	24.36	-0.465	-1.055	57.84	16.53	265.1	894	0
7/29/2014 8:00	72574	15	210	3.583	118.5	14.08	5.129	113.4	8.86	6.122	109.2	6.398	25.87	25.25	24.61	-0.615	-1.258	55.48	16.3	328.7	894	0
7/29/2014 8:15	72575	15	210	3.244	106.3	14.82	4.649	100.5	10.12	5.837	99.5	8	25.97	25.39	24.69	-0.573	-1.275	55.3	16.34	309	894	0
7/29/2014 8:30	72576	15	210	3.331	101.3	14.17	4.496	95.5	10.78	5.371	92.4	8.57	26.11	25.51	24.84	-0.605	-1.278	54.54	16.25	341.2	894	0
7/29/2014 8:45	72577	15	210	2.989	111.9	17.02	4.171	106.2	12.08	5.005	103.2	8.63	26.63	25.84	25.13	-0.793	-1.501	53.14	16.33	443.6	894	0
7/29/2014 9:00	72578	15	210	3.114	110.9	18.55	4.243	104.7	13.31	5.023	103.4	11.26	27.3	26.26	25.5	-1.036	-1.795	51.06	16.31	592.6	894	0
7/29/2014 9:15	72579	15	210	3.042	110.9	27.14	4.018	105.3	21.21	4.629	101.6	13.85	27.8	26.49	25.72	-1.314	-2.083	48.98	16.12	793.8	894	0
7/29/2014 9:30	72580	15	210	2.795	93.3	26.54	3.671	91.3	20.77	4.088	102.4	16.98	27.86	26.77	26.04	-1.096	-1.826	48.22	15.93	650.4	894	0
7/29/2014 9:45	72581	15	210	2.003	107.9	32.54	2.669	105.3	29.45	2.991	100.2	21.12	28.1	27.16	26.58	-0.939	-1.524	47.42	15.89	568.8	894	0
7/29/2014 10:00	72582	15	210	1.619	107.1	53.8	2.07	109.6	55.54	2.166	102.6	37.2	28.02	27.27	26.7	-0.749	-1.325	46.68	15.57	505.3	894	0
7/29/2014 10:15	72583	15	210	0.931	18.85	69.78	1.03	2.634	64.99	0.919	307.5	83.4	28.18	27.68	27.19	-0.497	-0.99	46.24	15.57	654.2	894	0
7/29/2014 10:30	72584	15	210	1.627	164.5	57.95	1.95	155.2	57.7	2.261	156.8	57.12	29.37	28.27	27.45	-1.101	-1.914	43.18	15.57	962	894	0
7/29/2014 10:45	72585	15	210	1.522	56.76	77.57	1.929	54.13	67.39	1.965	58.11	63.83	29.61	28.52	27.89	-1.086	-1.72	42.81	15.65	1000	894	0
7/29/2014 11:00	72586	15	210	2.185	89.9	53.01	2.813	85	48.86	2.945	86.6	36.51	30.25	28.74	27.91	-1.51	-2.342	39.67	15.04	1154	894	0
7/29/2014 11:15	72587	15	210	1.825	92.5	76.98	2.137	91.5	67.55	2.505	75.73	41.09	30.27	29.06	28.28	-1.21	-1.993	39.32	14.92	1140	893	0
7/29/2014 11:30	72588	15	210	1.7	200.1	100.6	1.924	243.7	98	2.23	238.9	91.5	30.36	29.32	28.54	-1.037	-1.823	39.95	15.24	985	893	0
7/29/2014 11:45	72589	15	210	2.611	40.5	56.14	3.378	40.8	54.48	3.919	22.46	60.87	30.24	29.06	28.43	-1.179	-1.816	41.76	15.83	622.3	893	0
7/29/2014 12:00	72590	15	210	2.198	36.23	68.32	2.861	28.26	58.12	3.779	16.44	50.1	30.02	29.11	28.33	-0.909	-1.695	41.68	15.61	676.7	893	0
7/29/2014 12:15	72591	15	210	2.163	58.33	41.83	2.759	49.58	37.75	3.538	52.43	34.3	30.88	29.8	28.94	-1.077	-1.939	39.05	15.34	797.6	893	0
7/29/2014 12:30	72592	15	210	2.54	79.41	54.96	3.466	70.39	47.36	4.047	68.71	37.07	31.23	30.05	29.26	-1.179	-1.972	36.54	14.63	884	893	0
7/29/2014 12:45	72593	15	210	2.998	72	33.73	3.954	70.37	29.07	4.65	66.97	24.18	31.81	30.47	29.61	-1.335	-2.197	35.44	14.66	819	892	0
7/29/2014 13:00	72594	15	210	2.927	88.8	54.39	3.988	84.1	49.71	4.801	75.71	46.23	31.9	30.54	29.81	-1.357	-2.083	34.71	14.41	882	892	0
7/29/2014 13:15	72595	15	210	2.808	98	43.1	3.744	98.8	29.01	4.72	94.9	25.27	32.93	31.43	30.56	-1.495	-2.371	32.13	14.12	1262	892	0
7/29/2014 13:30	72596	15	210	3.738	108	24.74	5.112	101.9	19.04	5.986	99.6	15.03	33.66	31.51	30.5	-2.149	-3.16	30.73	14.05	1241	892	0
7/29/2014 13:45	72597	15	210	3.622	100.2	30.86	4.824	94.5	25.17	5.698	90.4	19.09	33.42	31.63	30.58	-1.785	-2.835	30.27	13.63	1171	891	0
7/29/2014 14:00	72598	15	210	3.643	108.7	23.03	4.707	104	20.43	5.504	95.4	17.71	33.65	31.71	30.56	-1.94	-3.083	29.99	13.68	1137	891	0
7/29/2014 14:15	72599	15	210	3.983	95.5	18.77	5.328	90.9	15.45	6.453	87.9	10.5	32.9	31.3	30.33	-1.593	-2.562	32.38	14.22	679	891	0
7/29/2014 14:30	72600	15	210	3.69	113.2	24.58	5.142	105.8	17.19	6.261	100.3	12.53	33.21	31.48	30.42	-1.727	-2.787	31.41	14.02	817	891	0
7/29/2014 14:45	72601	15	210	3.668	101.5	24.93	4.878	97.3	19.78	5.73	93.5	16.02	32.95	31.59	30.7	-1.368	-2.255	32.07	14.12	681.1	891	0
7/29/2014 15:00	72602	15	210	3.316	127.3	25.61	4.456	122.4	18.29	5.287	119	13.14	33.43	31.83	30.93	-1.6	-2.503	30.88	13.95	893	890	0
7/29/2014 15:15	72603	15	210	3.337	120.4	27.25	4.465	111.5	19.91	5.413	104	15.47	33.47	32.03	31.14	-1.44	-2.332	30.37	13.73	662.7	890	0
7/29/2014 15:30	72604	15	210	3.443	120.7	19.39	4.763	117	14.62	5.623	114.9	13.49	33.34	32.16	31.37	-1.177	-1.97	28.67	12.73	485.2	890	0
7/29/2014 15:45	72605	15	210	2.748	106.4	22.91	3.646	101.5	20.31	4.446	99.8	17.63	33.21	32.29	31.39	-0.914	-1.81	30.07	13.35	406.1	890	0
7/29/2014 16:00	72606	15	210	2.024	119.8	32.16	2.743	110.9	30.32	3.378	105.9	28.25	33.18	32.55	31.87	-0.627	-1.306	27.25	11.79	414.1	890	0
7/29/2014 16:15	72607	15	210	2.248	112.4	45.14	3.046	111	37.58	3.624	117.5	37.29	33.41	32.74	32.14	-0.665	-1.264	24.77	10.55	334.8	890	0
7/29/2014 16:30	72608	15	210	1.459	190.1	44.64	2.002	191.4	38.26	2.632	191.9	31.69	33.6	33.08	32.38	-0.521	-1.222	23	9.63	273.7	889	0
7/29/2014 16:45	72609	15	210	1.356	170.6	53.2	1.672	167.4	47.81	2.061	156.5	45	33.29	32.9	32.33	-0.389	-0.966	23.57	9.74	230.6	889	0
7/29/2014 17:00	72610	15	210	1.584	124.7	39.14	2.242	119.6	29.31	2.783	121	25.42	33.21	32.86	32.35	-0.358	-0.863	24.21	10.07	199.2	889	0
7/29/2014 17:15	72611	15	210	2.655	154.4	20.07	3.899	146.9	17.64	4.732	143.7	17.6	33.4	32.94	32.37	-0.463	-1.024	23.38	9.7	179.8	889	0
7/29/2014 17:30	72612	15	210	2.43	156.9	16.11	3.497	152.2	12.97	4.074	152.8	13.8	33.29	32.93	32.4	-0.358	-0.887	23.21	9.51	156.5	889	0
7/29/2014 17:45	72613	15	210	2.668	159.9	18.69	3.8	154.8	16.06	4.746	153.1	13.54	33.08	32.78	32.27	-0.297	-0.809	23.26	9.37	131.8	889	0
7/29/2014 18:00	72614	15	210	2.148	142.1	17.64	3.081	136.5	12.37	3.917	133.1	8.08	32.93	32.75	32.28	-0.181	-0.654	23.03	9.09	86.5	889	0
7/29/2014 18:15	72615	15	210	2.405	147	14.87	3.489	140	10.81	4.639	136.8	7.442	33.06	32.86	32.37	-0.203	-0.691	22.5	8.86	94.4	889	0
7/29/2014 18:30	72616	15	210	2.569	164	15	3.952	158.8	10.09	5.033	158.1	6.602	32.77	32.74	32.35	-0.023	-0.418	22	8.28	48.69	889	0
7/29/2014 18:45	72617	15	210	2.4	154.8	12.4	3.679	147.7	7.839	5.025	146.7	3.897	32.45	32.53	32.26	0.082	-0.196	22.26	8.2	12.16	889	0
7/29/2014 19:00	72618	15	210	1.721	133.8	13.27	2.876	128.7	10.19	4.167	128	10.74	31.88	32.12	31.9	0.235	0.022	24.06	8.84	3.109	889	0
7/29/2014 19:15	72619	15	210	1.439	125.4	14.19	2.583	120.3	8.62	4.069	114.1	6.984	31.22	31.58	31.48	0.363	0.267	29.98	11.59	1.147	889	0
7/29/2014 19:30	72620	15	210	2.416	97.9	12.01	3.563	93.4	8.25	5.149	91.9	6.028	30.8	31.01	30.81	0.216	0.014	33.24	12.77	0.905	889	0
7/29/2014 19:45	72621	15	210	2.493	91.5	12.04	3.712	87.8	8.72	5.692	83.7	5.352	30.19	30.36	30.23	0.17	0.034	38.43	14.49	0.981	889	0
7/29/2014 20:00	72622	15	210	2.434	78.54	11.37	3.848	75.55	6.604	6.012	75.46	2.981	29.79	29.96	29.92	0.164	0.123	40.03	14.78	0.983	890	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/29/2014 20:15	72623	15	210	2.284	73.22	10.9	3.524	71.46	6.568	5.671	70.34	3.882	29.71	29.78	29.66	0.063	-0.05	40.67	14.95	0.981	890	0
7/29/2014 20:30	72624	15	210	2.633	78.47	10.95	3.981	73.59	7.566	6.091	70.3	3.986	29.75	29.77	29.55	0.023	-0.2	40.89	15.07	1.022	890	0
7/29/2014 20:45	72625	15	210	2.989	82.1	11.97	4.478	78.59	7.858	6.715	76.07	4.249	29.73	29.75	29.53	0.021	-0.196	41.05	15.11	1.085	890	0
7/29/2014 21:00	72626	15	210	3.346	87.3	13.95	4.967	82.8	9.94	6.991	78.18	5.404	29.8	29.82	29.59	0.02	-0.211	40.6	15	1.219	890	0
7/29/2014 21:15	72627	15	210	3.458	85.2	12.22	5.16	81.5	7.894	7.511	80.2	4.264	29.73	29.81	29.57	0.084	-0.153	40.73	14.98	1.25	890	0
7/29/2014 21:30	72628	15	210	3.695	84.8	12.36	5.591	81.4	8.49	7.71	79.21	5.688	27.96	28.68	28.75	0.726	0.797	49.65	16.45	1.652	891	0
7/29/2014 21:45	72629	15	210	2.766	112	27.28	4.359	105.1	23.22	6.869	104.3	19.73	27.95	28.35	28.87	0.405	0.922	49.68	16.47	1.262	891	0
7/29/2014 22:00	72630	15	210	3.542	143.5	14.37	5.587	137.7	9.9	7.722	137.9	6.994	28.34	29.02	28.96	0.683	0.622	36.08	11.88	1.283	890	0
7/29/2014 22:15	72631	15	210	4.029	154.2	13.07	6.123	149.1	8.72	9.28	149.2	5.657	28.75	29.23	29.38	0.475	0.627	31.97	10.41	1.683	890	0
7/29/2014 22:30	72632	15	210	3.59	151.7	12.64	5.62	145.4	7.689	8.55	144.8	4.727	28.89	29.33	29.39	0.441	0.499	30.08	9.64	1.441	890	0
7/29/2014 22:45	72633	15	210	2.916	133.8	14.07	4.611	130	10.72	7.207	134.6	8.69	28.14	28.63	28.78	0.483	0.634	31.78	9.81	1.141	890	0
7/29/2014 23:00	72634	15	210	3.125	111.4	12.04	4.936	107.7	7.787	7.386	104.4	4.564	26.49	26.74	26.66	0.258	0.17	46.93	14.08	1.359	890	0
7/29/2014 23:15	72635	15	210	2.991	110.3	13.12	4.917	106.6	7.815	7.534	104.6	3.893	25.73	25.97	26.03	0.245	0.303	53.09	15.48	1.282	890	0
7/29/2014 23:30	72636	15	210	3.169	111.4	11.95	4.991	106.9	7.541	8.01	106	3.388	25.06	25.22	25.3	0.164	0.243	57.99	16.23	1.391	890	0
7/29/2014 23:45	72637	15	210	3.302	112.5	11.76	5.016	107.3	6.552	7.997	108.1	4.077	24.79	24.94	25.29	0.155	0.507	59.1	16.28	1.293	890	0
7/30/2014 0:00	72638	15	211	2.828	112.3	12.36	4.463	107.3	7.513	7.375	108.3	3.534	24.5	24.69	24.97	0.188	0.472	59.43	16.09	1.294	890	0
7/30/2014 0:15	72639	15	211	2.806	112.3	11.89	4.464	107	7.523	7.516	110.2	3.634	24.22	24.42	24.92	0.197	0.701	60.67	16.16	1.114	890	0
7/30/2014 0:30	72640	15	211	3.098	109.1	11.92	4.802	105.5	6.966	7.646	110.4	5.927	24.23	24.41	24.97	0.179	0.742	59.94	15.98	1.069	890	0
7/30/2014 0:45	72641	15	211	2.919	115.7	11.85	4.71	111.6	6.395	8.25	118	4.268	24.38	24.61	25.51	0.235	1.137	57.01	15.33	1.457	890	0
7/30/2014 1:00	72642	15	211	3.084	115.7	11.97	4.85	112.3	6.65	8.17	117.8	4.251	24.53	24.75	25.39	0.212	0.856	53.84	14.59	1.233	890	0
7/30/2014 1:15	72643	15	211	2.624	115.2	11.74	4.284	112.1	6.925	7.617	121.4	3.689	24.41	24.67	25.45	0.26	1.041	52.7	14.14	1.276	889	0
7/30/2014 1:30	72644	15	211	2.355	116.4	12.12	3.916	113.6	7.497	7.154	124.5	5.492	24.08	24.38	25.29	0.302	1.21	53.19	13.98	1.287	889	0
7/30/2014 1:45	72645	15	211	2.905	134.2	12.74	4.643	128.7	6.883	7.617	132.6	4.809	24.93	25.27	25.76	0.342	0.831	44.31	11.94	1.351	889	0
7/30/2014 2:00	72646	15	211	3.167	135	12.14	4.881	128.2	6.853	7.401	132.3	5.246	25.2	25.54	25.78	0.334	0.582	40.34	10.79	1.273	889	0
7/30/2014 2:15	72647	15	211	2.788	141.6	12.14	4.507	134	6.979	7.31	136.3	4.563	24.86	25.28	25.68	0.418	0.817	40.14	10.41	1.27	889	0
7/30/2014 2:30	72648	15	211	3.074	148.8	12.82	4.896	141.7	7.517	7.742	141.1	5.602	25.07	25.44	25.6	0.371	0.528	38.29	9.89	1.475	889	0
7/30/2014 2:45	72649	15	211	3.326	150.2	12.7	5.263	142.8	8.11	8.09	141.9	5.061	25.05	25.38	25.42	0.33	0.366	38.31	9.88	1.473	889	0
7/30/2014 3:00	72650	15	211	3.237	148.2	13.34	5.085	141.7	7.83	7.866	140.8	5.094	24.92	25.21	25.23	0.296	0.314	38.94	10.01	1.454	889	0
7/30/2014 3:15	72651	15	211	3.274	148.3	12.91	5.191	142	7.519	8.08	140	4.978	24.8	25.08	25.12	0.274	0.318	39.76	10.22	1.361	889	0
7/30/2014 3:30	72652	15	211	3.254	150.2	11.97	5.13	142.9	7.031	7.835	141.1	5.107	24.75	24.99	24.97	0.246	0.222	40.27	10.36	1.149	889	0
7/30/2014 3:45	72653	15	211	3.184	152	12.13	5.067	144.5	7.886	8.03	142.6	4.298	24.55	24.81	24.83	0.253	0.278	40.93	10.43	1.348	889	0
7/30/2014 4:00	72654	15	211	3	150.2	12.61	4.865	142.5	7.259	7.816	141	4.665	24.34	24.6	24.64	0.26	0.303	41.57	10.47	1.41	889	0
7/30/2014 4:15	72655	15	211	3.041	146.8	12.67	4.86	139.8	7.173	7.584	138.8	4.512	24.17	24.42	24.47	0.248	0.304	42.15	10.52	1.488	889	0
7/30/2014 4:30	72656	15	211	2.98	145.9	12.3	4.599	139.3	7.507	7.525	139.7	4.697	23.92	24.16	24.26	0.232	0.336	42.93	10.58	1.288	889	0
7/30/2014 4:45	72657	15	211	2.93	148	12.74	4.902	142.4	7.51	7.786	142.3	4.767	23.85	24.12	24.19	0.269	0.342	43.48	10.7	1.409	889	0
7/30/2014 5:00	72658	15	211	3.205	151.7	13.82	5.216	144.4	7.708	8.14	144	4.192	23.83	24.08	24.14	0.253	0.314	43.68	10.75	1.464	889	0
7/30/2014 5:15	72659	15	211	2.897	145	13.22	4.656	139.8	7.577	7.893	142.2	4.337	23.62	23.91	24.12	0.287	0.492	44.17	10.74	4.588	889	0
7/30/2014 5:30	72660	15	211	2.823	148.5	13.84	4.584	141.7	8.59	7.353	141.1	4.724	23.72	23.97	24.09	0.25	0.372	44.09	10.79	25.93	889	0
7/30/2014 5:45	72661	15	211	3.002	150.7	13.16	4.818	143.9	7.59	7.414	145.4	4.82	23.92	24.14	24.27	0.216	0.348	43.68	10.84	48.73	889	0
7/30/2014 6:00	72662	15	211	2.975	157.9	11.55	4.501	151.5	7.567	6.887	152	4.621	24.41	24.45	24.42	0.039	0.003	42.73	10.95	104.4	889	0
7/30/2014 6:15	72663	15	211	3.022	162.3	11.81	4.347	155.1	8.14	6.398	155	4.923	25.19	25.03	24.77	-0.16	-0.414	41.09	11.05	167.3	889	0
7/30/2014 6:30	72664	15	211	2.852	167.5	14.71	4.2	160	9.36	5.789	159.7	5.844	25.73	25.42	24.97	-0.31	-0.755	39.69	11.02	219.1	889	0
7/30/2014 6:45	72665	15	211	3.141	169.1	12.43	4.513	162	7.881	5.545	161.8	6.519	26.46	25.89	25.34	-0.575	-1.122	38.31	11.14	316.8	889	0
7/30/2014 7:00	72666	15	211	2.914	180.4	12.82	4.147	173.7	8.77	4.958	171.4	7.452	26.65	26.11	25.63	-0.542	-1.028	37.31	10.91	273.3	889	0
7/30/2014 7:15	72667	15	211	2.629	186.6	13.02	3.562	182.1	8.78	4.157	179.6	7.102	27.31	26.59	25.98	-0.721	-1.332	36.37	11.11	385.6	889	0
7/30/2014 7:30	72668	15	211	2.338	202.1	17.23	3.051	194	12.16	3.246	185.8	10.65	27.97	27.08	26.44	-0.895	-1.529	34.79	11.02	498.1	889	0
7/30/2014 7:45	72669	15	211	2.145	200.2	19.07	2.793	193.3	12.74	3.204	191.7	10.31	28.06	27.35	26.77	-0.708	-1.288	33.93	10.72	366.3	889	0
7/30/2014 8:00	72670	15	211	2.175	202.3	24.18	2.732	200.2	19.82	3.166	203.6	14.1	28.71	27.8	27.17	-0.915	-1.54	33.27	10.99	562.4	889	0
7/30/2014 8:15	72671	15	211	1.936	231.5	24.52	2.521	223.5	19.2	2.853	218.8	12.38	29.26	28.36	27.65	-0.892	-1.602	32.67	11.2	675.2	889	0
7/30/2014 8:30	72672	15	211	1.926	246.7	22.01	2.519	236.2	18.33	2.601	228.8	17.35	29.62	28.67	28.01	-0.951	-1.613	31.98	11.19	733.6	889	0
7/30/2014 8:45	72673	15	211	1.885	255.8	37.26	2.379	255.9	24.35	2.484	255.7	23.95	30.07	29.16	28.53	-0.91	-1.54	31.63	11.41	785.9	889	0
7/30/2014 9:00	72674	15	211	1.891	238.2	31.14	2.385	239	26.18	2.671	239.1	21.8	30.72	29.64	28.97	-1.088	-1.754	31.14	11.74	839	889	0
7/30/2014 9:15	72675	15	211	1.687	263.4	35.91	2.236	260.2	23.76	2.484	262.6	22.99	31.13	30.22	29.58	-0.91	-1.544	30.65	11.85	865	889	0
7/30/2014 9:30	72676	15	211	2.324	273.8	26.1	2.949	270.6	18.74	3.394	265.9	12.44	31.85	30.86	29.96	-0.99	-1.896	29.38	11.83	935	889	0
7/30/2014 9:45	72677	15	211	2.537	291.7	29.75	2.959	288.6	24.56	3.183	286.6	16.57	32.38	31.19	30.42	-1.196	-1.958	27.7	11.39	974	889	0
7/30/2014 10:00	72678	15	211	2.312	306.6	23.94	2.745	302	18.1	2.997	294.4	17.25	32.73	31.71	30.99	-1.018	-1.742	26.93	11.26	1025	889	0
7/30/2014 10:15	72679	15	211	2.505	276.2	23.68	3.275	271.5	18.29	3.627	272.3	14.6	33.56	32.27	31.49	-1.294	-2.069	25.77	11.3	1063	889	0
7/30/2014 10:30	72680	15	211	2.859	273	27.03	3.639	271.8	23.04	4.403	273.6	13.47	33.88	32.54	31.75	-1.342	-2.13	25.74	11.55	1096	889	0
7/30/2014 10:45	72681	15	211	2.431	317	35.14	2.974	314.7	29.27	3.501	306	20.57	34.11	32.87	32.12	-1.236	-1.988	26.06	11.93	1124	888	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/30/2014 11:00	72682	15	211	2.965	302.6	31.37	3.589	298.8	23.27	4.023	288.4	22.51	35.14	33.76	32.72	-1.374	-2.419	25.32	12.36	1147	888	0
7/30/2014 11:15	72683	15	211	2.928	275.7	24.86	4.004	273.4	18.78	4.833	277.6	15.2	35.44	33.81	32.83	-1.629	-2.618	24.98	12.41	1169	888	0
7/30/2014 11:30	72684	15	211	3.557	326.5	24.99	4.315	320.5	20.76	4.823	315	14.87	36.05	34.3	33.28	-1.746	-2.773	23.85	12.22	1185	888	0
7/30/2014 11:45	72685	15	211	2.833	334.9	30.79	3.691	330.7	23.05	4.319	319.7	17.64	35.74	34.24	33.37	-1.502	-2.371	23.79	11.92	1196	888	0
7/30/2014 12:00	72686	15	211	2.61	285.4	49.54	3.213	285.4	43.53	3.525	292.2	27.11	35.95	34.54	33.75	-1.402	-2.194	23.11	11.65	1206	888	0
7/30/2014 12:15	72687	15	211	3.022	286.6	29.98	3.82	283.3	31.36	4.202	283.5	19.61	36.49	35.05	34.19	-1.438	-2.297	22.77	11.87	1205	887	0
7/30/2014 12:30	72688	15	211	2.787	296	38.6	3.281	295.7	32.68	3.849	301.8	30.9	37.01	35.59	34.56	-1.418	-2.451	22.38	12.05	1199	887	0
7/30/2014 12:45	72689	15	211	2.963	5.73	41.15	3.9	358.1	39.2	4.443	348.7	33.37	37.09	35.45	34.65	-1.639	-2.441	21.97	11.83	1192	887	0
7/30/2014 13:00	72690	15	211	2.652	0.365	39.31	3.489	357.2	39.34	3.83	342.8	34.86	37.59	35.91	34.93	-1.684	-2.661	21.41	11.85	1183	887	0
7/30/2014 13:15	72691	15	211	2.52	342.6	40.4	3.382	334.7	34.09	4.136	332.5	26.7	37.51	36.12	35.32	-1.388	-2.186	21.61	11.92	1174	887	0
7/30/2014 13:30	72692	15	211	2.706	7.112	73	3.431	7.638	71.63	4.363	351.7	50.19	37.47	36.25	35.44	-1.218	-2.032	20.94	11.4	880	886	0
7/30/2014 13:45	72693	15	211	3.19	1.451	35.88	4.233	357.1	31.49	4.855	355.7	24.48	37.86	36.36	35.45	-1.498	-2.411	20.15	11.15	996	886	0
7/30/2014 14:00	72694	15	211	3.444	348.7	34.79	4.646	342	28.96	5.178	336.8	21.76	38.47	36.63	35.53	-1.834	-2.934	19.09	10.84	1143	886	0
7/30/2014 14:15	72695	15	211	3.239	341.4	42.68	4.423	340.8	39.97	5.384	342.3	29.54	37.95	36.54	35.64	-1.405	-2.304	19.78	10.95	943	886	0
7/30/2014 14:30	72696	15	211	2.764	6.887	35.01	3.683	0.52	24.62	4.366	351.8	24.57	38.32	36.76	35.81	-1.561	-2.514	19.21	10.81	1104	886	0
7/30/2014 14:45	72697	15	211	2.751	24.96	39.86	3.712	18.54	32.74	4.848	16.72	21.69	38.62	37.21	36.14	-1.41	-2.48	18.94	10.84	1059	886	0
7/30/2014 15:00	72698	15	211	3.937	359.3	31.2	5.664	356.3	25.92	6.852	353.4	24.14	38.08	36.81	35.96	-1.273	-2.115	18.78	10.27	539.2	886	0
7/30/2014 15:15	72699	15	211	3.551	316.4	22.84	4.669	313.2	19.13	5.476	310.8	16.72	37.59	36.75	35.92	-0.84	-1.67	19.13	10.16	379.2	886	0
7/30/2014 15:30	72700	15	211	3.929	323.9	14.36	5.434	322.1	10.59	6.833	318.4	8.47	37.18	36.58	35.78	-0.597	-1.397	19.14	9.83	224.1	886	0
7/30/2014 15:45	72701	15	211	4.159	351.2	19.53	5.931	347	18.26	7.142	342.8	14.82	37	36.43	35.69	-0.569	-1.307	20.13	10.44	278.5	886	0
7/30/2014 16:00	72702	15	211	4.383	335.6	18.83	6.371	331.6	14.43	8.11	327.1	10.03	36.85	36.34	35.54	-0.508	-1.31	20.82	10.82	275.3	886	0
7/30/2014 16:15	72703	15	211	5.396	328.7	15.69	8.01	325	11.44	10.13	321.8	10.35	36.39	35.92	35.18	-0.474	-1.218	22.8	11.82	233.6	886	0
7/30/2014 16:30	72704	15	211	5.426	342.6	16.74	8.2	338.1	10.93	10.67	332.6	8.01	36.03	35.6	34.86	-0.429	-1.174	24.55	12.63	203	886	0
7/30/2014 16:45	72705	15	211	6.014	351.3	24.73	8.87	346.7	21.57	11.29	344.2	22.55	35.2	34.82	34.13	-0.381	-1.07	28.15	14.03	160.4	886	0
7/30/2014 17:00	72706	15	211	4.943	9.08	19.27	7.358	6.055	12.99	9.2	3.083	9.93	34.77	34.41	33.77	-0.364	-1	29.43	14.36	158.3	886	0
7/30/2014 17:15	72707	15	211	4.016	12.46	18.08	6.31	9.2	14.81	8.09	8.01	12.43	34.64	34.3	33.66	-0.341	-0.978	29.03	14.03	157.7	886	0
7/30/2014 17:30	72708	15	211	4	55.73	36.73	5.988	50.77	34.85	7.314	45.26	35.56	33.73	33.4	32.76	-0.329	-0.969	30.27	13.83	136.3	886	0
7/30/2014 17:45	72709	15	211	5.758	120.4	15.24	8.5	117.1	10.19	10.83	113.5	8.92	29.01	28.45	27.86	-0.562	-1.151	42.89	15.13	103.8	887	0
7/30/2014 18:00	72710	15	211	5.928	123.1	12.56	8.77	118.8	7.239	10.69	116.7	5.331	27.5	26.95	26.38	-0.548	-1.123	49.11	15.88	104.1	887	0
7/30/2014 18:15	72711	15	211	5.616	125.2	13.14	8.28	120.5	7.43	11.21	118.9	5.357	26.98	26.52	26.05	-0.464	-0.936	50.27	15.78	71.71	888	0
7/30/2014 18:30	72712	15	211	6.595	128.2	12.91	9.67	123.4	8.06	12.54	120.7	5.569	26.92	26.58	25.93	-0.341	-0.983	50.13	15.65	34.53	888	0
7/30/2014 18:45	72713	15	211	6.005	124.8	12.73	8.76	119.2	8.02	11.56	117.3	4.892	24.67	24.29	23.67	-0.381	-0.993	59.24	16.2	21.63	888	0
7/30/2014 19:00	72714	15	211	4.878	126	11.89	7.261	120.2	7.112	9.43	118	4.347	24.19	23.82	23.36	-0.366	-0.827	62.08	16.48	8.93	888	0
7/30/2014 19:15	72715	15	211	3.794	134.8	13.19	5.384	129.6	8.15	7.07	125.7	5.645	24.74	24.45	24	-0.286	-0.742	59.66	16.38	1.613	889	0
7/30/2014 19:30	72716	15	211	3.659	122.6	14.27	5.392	117.4	9.35	7.264	115.2	6.179	25.39	25.18	24.86	-0.206	-0.534	55.84	15.94	1.443	889	0
7/30/2014 19:45	72717	15	211	3.624	112.4	13.53	5.244	108.1	8.12	7.02	108.5	5.942	25.61	25.45	25.09	-0.16	-0.517	52.33	15.14	1.231	889	0
7/30/2014 20:00	72718	15	211	3	111.1	14.48	4.314	106.8	10.38	6.452	107.7	8.47	25.49	25.35	25.12	-0.141	-0.365	52.9	15.2	1.12	889	0
7/30/2014 20:15	72719	15	211	2.265	120.9	14.1	3.415	115.9	8.22	5.203	111	5.496	25.68	25.59	25.37	-0.085	-0.311	52.36	15.22	0.912	889	0
7/30/2014 20:30	72720	15	211	1.594	129.1	13.56	2.428	122.9	8.8	4.026	119	5.778	25.67	25.61	25.53	-0.055	-0.137	52.71	15.31	0.922	890	0
7/30/2014 20:45	72721	15	211	1.159	100.7	13.61	1.828	100.6	10.02	3.501	123.1	5	25.57	25.53	26.18	-0.034	0.617	53.67	15.49	0.829	890	0
7/30/2014 21:00	72722	15	211	0.784	132.4	17.21	1.304	121.2	10.78	2.919	123.8	8.84	25.46	25.44	25.54	-0.013	0.089	54.23	15.55	0.75	890	0
7/30/2014 21:15	72723	15	211	0.698	47.69	60.05	1.087	60.26	39.27	1.937	117.5	18.95	25.35	25.41	26.12	0.057	0.775	54.82	15.63	0.556	890	0
7/30/2014 21:30	72724	15	211	1.995	29.02	13.46	3.42	26.37	8.11	4.327	40.8	16.64	25.39	25.4	25.58	0.007	0.193	54.76	15.64	0.859	891	0
7/30/2014 21:45	72725	15	211	3.801	36.17	15.14	6.078	31.52	10.03	8.27	30.03	9.31	26.03	25.94	25.63	-0.094	-0.408	54.4	16.14	1.407	891	0
7/30/2014 22:00	72726	15	211	5.342	50.68	13.78	8.22	45.75	8.73	11.02	42.92	6.198	25.77	25.62	25.16	-0.156	-0.611	54.61	15.96	1.663	891	0
7/30/2014 22:15	72727	15	211	5.734	58.2	13.37	8.8	52.25	8.7	11.54	48.21	6.33	25.3	25.13	24.68	-0.165	-0.617	55.69	15.82	1.88	892	0
7/30/2014 22:30	72728	15	211	6.724	50.93	13.64	10.12	46.12	8.06	13.28	42.58	5.413	24.57	24.4	23.91	-0.173	-0.657	56.73	15.43	1.984	892	0
7/30/2014 22:45	72729	15	211	6.65	55.26	13.09	9.78	49.55	8.36	12.88	47.5	5.13	23.83	23.66	23.22	-0.163	-0.609	58.35	15.18	1.763	892	0
7/30/2014 23:00	72730	15	211	6.651	57.09	12.48	9.99	51.84	7.774	12.93	49.19	5.217	23.33	23.18	22.74	-0.153	-0.589	59.2	14.94	1.86	892	0
7/30/2014 23:15	72731	15	211	6.755	59.09	12.32	10.16	53.45	7.952	13.31	51.87	4.387	22.99	22.84	22.41	-0.158	-0.586	60.2	14.88	1.965	892	0
7/30/2014 23:30	72732	15	211	6.079	58.19	12.71	9.26	54.37	8.25	12.32	52.22	4.918	22.8	22.66	22.24	-0.14	-0.56	60.58	14.8	1.966	891	0
7/30/2014 23:45	72733	15	211	6.16	57.13	13.8	9.33	51.58	8.96	12.8	50.5	5.752	22.63	22.5	22.08	-0.137	-0.553	61.6	14.9	1.811	892	0
7/31/2014 0:00	72734	15	212	6.244	55.68	13.15	9.31	51.68	8.31	12.4	48.75	5.848	22.51	22.36	21.94	-0.147	-0.571	62.78	15.08	1.912	891	0
7/31/2014 0:15	72735	15	212	5.052	53.08	13.5	7.693	48.6	8.85	10.38	46.57	6.318	22.41	22.25	21.81	-0.162	-0.602	64.01	15.29	1.707	891	0
7/31/2014 0:30	72736	15	212	5.748	50.5	13.96	8.81	46.82	7.93	11.7	44.68	5.528	21.82	21.72	21.33	-0.092	-0.489	68.91	15.86	1.811	892	0
7/31/2014 0:45	72737	15	212	5.53	51.7	13.49	8.31	47.15	8.55	11.12	44.88	6.347	21.62	21.56	21.2	-0.058	-0.416	71.39	16.24	1.623	892	0
7/31/2014 1:00	72738	15	212	4.842	46.58	14.99	7.298	43.27	9.93	9.5	41.26	8.1	21.62	21.53	21.17	-0.09	-0.459	69.77	15.88	1.702	891	0
7/31/2014 1:15	72739	15	212	3.606	33.04	14.54	5.696	28.85	9.97	7.673	26.77	7.371	21.6	21.48	21.09	-0.121	-0.502	70.48	16.02	1.336	892	0
7/31/2014 1:30	72740	15	212	2.931	18.84	17.49	4.74	16.55	11.4	6.507	16.89	8.64	21.6	21.43	21.01	-0.17	-0.589	71.1	16.15	1.098	892	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/31/2014 1:45	72741	15	212	3.236	14.98	16.77	5.014	9.79	14.49	6.483	6.443	16.34	21.48	21.31	20.88	-0.169	-0.6	71.29	16.08	1.206	892	0
7/31/2014 2:00	72742	15	212	3.319	346.8	16.51	5.032	342.6	13	6.725	342.4	10.98	20.14	19.85	19.41	-0.293	-0.731	79.94	16.58	1.177	893	0
7/31/2014 2:15	72743	15	212	3.766	0.847	17.73	5.584	357.7	17.88	7.654	357.2	11.44	19.35	19.12	18.63	-0.236	-0.719	85.7	16.91	1.207	893	0
7/31/2014 2:30	72744	15	212	3.218	7.097	17.96	4.973	3.034	13.27	7.198	5.175	4.992	18.69	18.63	18.43	-0.057	-0.258	91.8	17.34	1.409	893	0
7/31/2014 2:45	72745	15	212	2.915	356	17.24	4.514	352.2	11.26	7.235	353.6	12.77	18.62	18.64	18.49	0.023	-0.135	94.1	17.67	1.208	893	0.254
7/31/2014 3:00	72746	15	212	3.56	7.286	16.55	5.351	3.541	12.8	7.925	4.232	10.1	18.73	18.8	18.49	0.069	-0.235	93	17.58	1.257	893	0
7/31/2014 3:15	72747	15	212	2.821	1.896	17.81	4.414	359.6	12.69	6.795	1.476	11.04	18.64	18.72	18.46	0.082	-0.177	92.5	17.43	1.171	894	0.254
7/31/2014 3:30	72748	15	212	3.472	13.72	14.98	5.165	10.85	10.7	7.696	7.992	4.936	18.44	18.55	18.18	0.102	-0.264	92.3	17.19	1.286	894	0.762
7/31/2014 3:45	72749	15	212	2.866	22.13	15.52	4.683	18.74	8.37	7.266	16.61	5.418	18.22	18.2	18.05	-0.018	-0.167	93.4	17.15	1.343	894	3.048
7/31/2014 4:00	72750	15	212	4.066	34.39	13.83	6.372	30.05	7.66	9.19	26.05	4.664	18.39	18.03	18.04	-0.361	-0.35	93.2	17.29	1.472	894	0.254
7/31/2014 4:15	72751	15	212	3.803	33.09	14.67	6.172	30.33	8.37	8.92	27.76	5.016	18.38	18.1	18	-0.282	-0.384	92.6	17.17	1.345	893	0.254
7/31/2014 4:30	72752	15	212	3.079	28.62	15.23	4.879	24.34	8.15	7.141	23.41	4.494	18.33	18.36	17.98	0.035	-0.352	92.8	17.15	1.281	893	0
7/31/2014 4:45	72753	15	212	1.998	23.52	15.28	3.233	21.39	10.44	4.855	19.47	6.573	18.3	18.35	17.94	0.044	-0.362	93.3	17.22	0.986	893	0
7/31/2014 5:00	72754	15	212	1.309	29.15	18.59	2.041	26.42	10.24	3.179	24.52	7.055	18.39	18.36	17.93	-0.036	-0.458	93.7	17.38	0.852	894	0
7/31/2014 5:15	72755	15	212	1.947	30.85	16.38	3.287	26.84	9.46	4.468	28.01	6.945	18.27	18.26	17.91	-0.003	-0.361	93.8	17.27	1.074	894	0
7/31/2014 5:30	72756	15	212	2.054	28.82	17.75	3.268	27.13	14.6	4.585	29.38	11.58	18.26	18.25	17.91	-0.01	-0.343	94	17.29	1.288	894	0
7/31/2014 5:45	72757	15	212	2.509	2.437	17.44	3.921	0.272	12.18	5.229	5.44	9.06	18.11	18.1	17.74	-0.013	-0.37	94.2	17.18	3.488	894	0
7/31/2014 6:00	72758	15	212	1.69	357.1	18.68	2.691	355.6	13.74	3.843	1.87	10.83	17.94	17.89	17.54	-0.048	-0.407	94.5	17.07	5.974	894	0.254
7/31/2014 6:15	72759	15	212	2.248	13.25	15.98	3.471	9.42	10.14	5.097	11.01	6.666	17.88	17.88	17.57	-0.001	-0.317	94.4	16.99	10.46	894	0
7/31/2014 6:30	72760	15	212	2.29	3.845	17.3	3.422	3.971	12.99	5.073	6.768	5.766	17.85	17.86	17.55	0.003	-0.308	94	16.9	11.14	894	0
7/31/2014 6:45	72761	15	212	2.09	356.3	15.49	3.243	354.4	11.03	4.614	359	10.47	17.84	17.85	17.53	0.003	-0.314	94	16.89	12.67	895	0
7/31/2014 7:00	72762	15	212	2.191	356.4	15.34	3.31	353.7	13.71	4.776	356	10.95	17.94	17.94	17.63	-0.006	-0.31	94.2	17	18.43	895	0
7/31/2014 7:15	72763	15	212	2.114	342	21.08	3.159	339.4	19.45	4.364	336.9	18.47	18.03	18.01	17.67	-0.024	-0.36	93.6	17	31.22	895	0
7/31/2014 7:30	72764	15	212	2.13	356.4	16.52	3.34	352.6	13.04	4.491	350.9	8.8	18.06	18.01	17.72	-0.056	-0.343	94.2	17.13	25.43	895	0
7/31/2014 7:45	72765	15	212	1.659	351.4	14.23	2.567	350.4	10.08	3.497	349.9	8.68	17.98	17.92	17.66	-0.061	-0.319	94	17.02	20.88	895	0
7/31/2014 8:00	72766	15	212	0.893	344.6	20.84	1.349	343.4	15.62	1.857	348	12.63	18.1	17.98	17.6	-0.111	-0.494	93.7	17.09	25.93	895	0
7/31/2014 8:15	72767	15	212	0.771	48.3	26.26	1.101	42.89	21.13	1.629	47.39	15.63	18.3	18.13	17.75	-0.17	-0.546	92.8	17.13	42.47	895	0
7/31/2014 8:30	72768	15	212	1.174	85.3	13.44	1.655	81.4	9.94	2.066	78.02	8.81	18.47	18.29	17.86	-0.18	-0.611	91.2	17.03	77.51	895	0
7/31/2014 8:45	72769	15	212	1.451	79.02	15.91	1.922	76.83	10.71	2.425	74.85	9.85	18.65	18.42	17.99	-0.232	-0.662	90.5	17.08	140.5	895	0
7/31/2014 9:00	72770	15	212	1.758	70.16	15.22	2.39	67.42	14.01	2.894	64.14	8.05	19.14	18.79	18.28	-0.347	-0.86	87.9	17.09	300.2	895	0
7/31/2014 9:15	72771	15	212	2.571	74.16	14.27	3.424	68.52	10.01	4.032	64.4	8.3	19.67	19.19	18.63	-0.478	-1.039	83.4	16.79	467	894	0
7/31/2014 9:30	72772	15	212	2.665	62.63	19.83	3.653	59.92	15.28	4.127	59.4	12	20.11	19.43	18.78	-0.675	-1.325	80.9	16.73	581.9	894	0
7/31/2014 9:45	72773	15	212	2.462	55.45	19.8	3.435	52.78	14.83	4.156	52.73	12.29	20.37	19.69	19.08	-0.679	-1.29	80.2	16.87	497.1	894	0
7/31/2014 10:00	72774	15	212	2.289	57.64	22.68	3.158	53.14	16.41	3.744	48.62	12.13	20.61	19.95	19.38	-0.659	-1.228	79.12	16.88	411.1	894	0
7/31/2014 10:15	72775	15	212	2.189	48.34	17.82	3.185	43.9	15.64	3.93	48.26	15.78	21.13	20.6	20.01	-0.524	-1.113	76.48	16.85	316.9	894	0
7/31/2014 10:30	72776	15	212	2.363	48	18.38	3.481	43.91	11.47	4.125	42.12	8.38	21.47	20.83	20.27	-0.632	-1.198	73.32	16.51	393	894	0
7/31/2014 10:45	72777	15	212	2.23	42.16	22.72	3.216	39.95	17.59	3.888	40.21	13.05	21.98	21.32	20.72	-0.663	-1.259	70.58	16.41	403.1	894	0
7/31/2014 11:00	72778	15	212	2.085	44.07	23.93	2.98	42.62	17.44	3.502	42.11	16.6	22.34	21.7	21.09	-0.633	-1.244	67.35	16.01	456.2	894	0
7/31/2014 11:15	72779	15	212	1.78	66.01	29.02	2.387	59.06	22.68	2.917	54.63	16.09	22.64	21.98	21.4	-0.651	-1.233	65.49	15.86	555.1	894	0
7/31/2014 11:30	72780	15	212	1.73	51.42	21.27	2.331	42.51	16.58	2.87	45.44	18.8	22.9	22.24	21.61	-0.662	-1.292	64.88	15.96	468.9	894	0
7/31/2014 11:45	72781	15	212	2.093	71.82	32.27	2.695	62.18	25.58	3.218	52.03	14.15	23.35	22.66	21.96	-0.689	-1.392	62.71	15.86	647.8	894	0
7/31/2014 12:00	72782	15	212	1.67	29.04	32.15	2.322	21.77	26.83	3.022	20.97	19.19	23.63	22.84	22.17	-0.789	-1.455	61.92	15.92	629.5	893	0
7/31/2014 12:15	72783	15	212	1.779	22.35	49.75	2.223	19.99	37.66	2.798	16.84	35.01	23.88	23.06	22.39	-0.82	-1.486	59.43	15.51	983	893	0
7/31/2014 12:30	72784	15	212	2.007	351.2	35.03	2.619	348	26.14	3.236	343.5	24.76	24.18	23.37	22.73	-0.81	-1.45	58.72	15.6	579.1	893	0
7/31/2014 12:45	72785	15	212	1.928	6.346	46.61	2.484	4.437	38.56	3.071	359	29.93	24.22	23.31	22.67	-0.911	-1.549	58.91	15.7	775.7	893	0
7/31/2014 13:00	72786	15	212	2.168	5.437	50.76	2.881	5.348	45.8	3.313	7.924	18.19	24.7	23.6	22.92	-1.095	-1.777	56.13	15.38	1033	893	0
7/31/2014 13:15	72787	15	212	1.964	337.2	37.37	2.465	344.3	25.87	2.789	348.6	24.81	24.79	23.94	23.22	-0.854	-1.576	55.29	15.24	692.1	893	0
7/31/2014 13:30	72788	15	212	1.423	238.3	80.5	1.529	283.1	82.4	1.787	346	68.43	24.65	24.06	23.43	-0.588	-1.226	55.74	15.24	633.1	893	0
7/31/2014 13:45	72789	15	212	1.882	316.8	43.41	2.443	316.5	42.79	2.497	307.4	31.83	25.09	24.37	23.8	-0.714	-1.287	55.28	15.51	564.6	893	0
7/31/2014 14:00	72790	15	212	1.84	301.4	53	2.231	298.4	39.88	2.401	295	18.45	24.91	24.32	23.91	-0.588	-0.999	55.48	15.4	487	893	0
7/31/2014 14:15	72791	15	212	1.724	319.2	34.52	2.061	314.2	26.13	2.024	301.1	23.53	24.92	24.41	23.93	-0.512	-0.987	55.61	15.45	419.9	892	0
7/31/2014 14:30	72792	15	212	1.336	308.6	77.63	1.469	308.7	74.88	1.532	309.2	50.74	24.97	24.61	24.17	-0.363	-0.805	54.72	15.25	376	892	0
7/31/2014 14:45	72793	15	212	1.848	286.8	30.27	2.312	278.5	29.61	2.472	270.7	33.74	25.22	24.6	24.04	-0.614	-1.177	56.96	16.1	434.2	892	0
7/31/2014 15:00	72794	15	212	2.058	258.8	24.67	2.725	254.2	20.81	3.033	251.5	17.7	25.65	24.78	24.1	-0.878	-1.549	56.66	16.42	626.3	892	0
7/31/2014 15:15	72795	15	212	2.745	227.1	20.07	3.591	223.7	17.36	4.014	224.1	15.53	25.61	24.64	23.91	-0.973	-1.7	56.96	16.47	513.6	892	0
7/31/2014 15:30	72796	15	212	2.219	240.4	22.02	2.958	238.6	16.65	3.408	237	10.81	25.58	24.76	24.04	-0.826	-1.543	57.19	16.51	482.8	892	0
7/31/2014 15:45	72797	15	212	1.215	248.2	28.94	1.555	240.2	23.2	1.679	241	17.33	25.36	24.86	24.23	-0.506	-1.137	56.78	16.19	407.3	892	0
7/31/2014 16:00	72798	15	212	1.126	247.7	59.53	1.476	232.9	42.04	1.837	215	31.86	25.59	25.13	24.52	-0.459	-1.063	56.03	16.19	403.2	892	0
7/31/2014 16:15	72799	15	212	2.341	257.1	24.31	3.499	252.7	22	3.753	248.7	14.57	24.87	24.22	23.7	-0.649	-1.175	59.6	16.48	201.8	891	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
7/31/2014 16:30	72800	15	212	2.122	262.1	15.85	3.027	257.3	12.19	3.176	250.8	9.85	25.06	24.27	23.65	-0.792	-1.41	59.81	16.72	399.2	891	0
7/31/2014 16:45	72801	15	212	1.932	254.8	28.01	2.648	250.9	23.28	3.184	243.6	13.72	25.5	24.71	24.04	-0.792	-1.461	57.6	16.54	487.2	891	0
7/31/2014 17:00	72802	15	212	1.831	261	23.87	2.421	258	23.75	2.837	252.1	17.96	25.53	24.9	24.22	-0.63	-1.304	57.17	16.45	340.2	891	0
7/31/2014 17:15	72803	15	212	2.097	278.4	12.72	3.2	273.7	7.857	3.407	267.3	7.289	24.9	24.47	24	-0.435	-0.903	59.19	16.41	109.8	891	0
7/31/2014 17:30	72804	15	212	2.112	288.2	13.34	2.616	282.7	8.93	3.222	277	5.502	24.84	24.4	23.91	-0.442	-0.929	59.24	16.36	181.2	891	0
7/31/2014 17:45	72805	15	212	1.973	284.3	17.43	2.529	282	12.98	3.134	274.8	10.7	24.84	24.52	24.04	-0.312	-0.79	58.66	16.21	116.5	891	0
7/31/2014 18:00	72806	15	212	1.482	287.1	16.43	2.055	282.6	11.15	2.41	278.7	11.05	24.7	24.48	24.08	-0.22	-0.616	59.64	16.34	88.2	891	0
7/31/2014 18:15	72807	15	212	1.398	318.5	18.8	1.718	309.4	12.99	1.629	291.7	15.83	24.51	24.52	24.18	0.018	-0.327	59.78	16.19	61.51	891	0
7/31/2014 18:30	72808	15	212	1.041	301.7	19.51	1.509	302.4	9.13	1.603	293.8	9.41	24.21	24.35	24.05	0.145	-0.16	62.53	16.62	33.08	891	0
7/31/2014 18:45	72809	15	212	0.926	311.1	12.35	1.299	302.8	6.798	1.379	290.8	6.092	23.81	24.22	23.96	0.41	0.144	64.79	16.8	15.04	891	0
7/31/2014 19:00	72810	15	212	0.792	334.8	14.89	1.666	317.1	6.589	1.49	301.8	4.583	23.29	23.88	23.85	0.585	0.56	67.85	17.04	3.26	891	0
7/31/2014 19:15	72811	15	212	0.51	59.74	51.96	0.989	333.5	21.43	1.843	305.2	1.89	22.82	23.38	23.83	0.562	1.013	73.19	17.78	0.857	891	0
7/31/2014 19:30	72812	15	212	0.573	57.22	12.6	0.793	357.9	10.92	1.109	309.2	6.565	22.91	23.51	23.83	0.597	0.914	74.65	18.19	0.45	891	0
7/31/2014 19:45	72813	15	212	0.685	76.02	20.7	0.987	41.14	13.74	0.871	330.3	7.7	22.79	23.59	23.88	0.796	1.09	77.05	18.58	0.386	891	0
7/31/2014 20:00	72814	15	212	0.893	32.25	14.27	1.752	21.27	7.912	1.657	355.3	12.93	22.73	23.7	23.89	0.965	1.157	77.8	18.67	0.542	891	0
7/31/2014 20:15	72815	15	212	0.736	92.2	16.03	1.477	63.32	13.52	0.991	29.59	14.35	22.71	23.65	23.91	0.941	1.203	76.76	18.44	0.524	891	0
7/31/2014 20:30	72816	15	212	1.018	49.74	18.63	2.178	50.29	8.3	1.913	33.23	8.34	22.71	23.61	23.94	0.896	1.234	76.34	18.35	0.658	892	0
7/31/2014 20:45	72817	15	212	1.141	40.73	12.92	2.551	35.69	4.921	3.132	20.26	2.793	22.79	23.39	23.83	0.599	1.041	75.61	18.27	0.859	892	0
7/31/2014 21:00	72818	15	212	1.327	34.15	13.01	2.746	28.13	5.344	4.32	18.92	2.082	22.82	23.12	23.51	0.303	0.69	75.28	18.23	0.892	892	0
7/31/2014 21:15	72819	15	212	1.465	39.1	13.5	2.79	34.19	6.891	4.362	25.49	4.094	22.76	22.99	23.5	0.222	0.737	74.96	18.11	0.93	892	0
7/31/2014 21:30	72820	15	212	1.672	36.88	12.92	3.021	32.72	5.57	4.869	25.15	1.63	22.65	22.82	23.34	0.165	0.69	76.27	18.28	0.955	892	0
7/31/2014 21:45	72821	15	212	1.536	47.46	11.6	2.769	41.22	5.754	4.843	30.55	1.998	22.51	22.67	22.96	0.154	0.451	77.39	18.38	0.99	892	0
7/31/2014 22:00	72822	15	212	1.431	47.96	13.4	2.581	41.49	6.649	4.658	33.4	2.642	22.39	22.54	22.64	0.142	0.251	77.2	18.22	0.928	892	0
7/31/2014 22:15	72823	15	212	1.498	36.94	13.25	2.739	32.09	6.24	4.83	28.95	2.446	22.34	22.49	22.6	0.156	0.257	76.42	18.01	1.004	893	0
7/31/2014 22:30	72824	15	212	1.313	31.64	13.51	2.538	27.55	5.599	4.829	25.3	2.227	22.27	22.43	22.62	0.161	0.357	75.95	17.84	0.945	893	0
7/31/2014 22:45	72825	15	212	1.266	35.98	12.5	2.514	32.43	4.95	4.487	27.98	1.791	22.16	22.37	22.59	0.21	0.43	76.72	17.9	0.926	893	0
7/31/2014 23:00	72826	15	212	1.262	36.68	13.15	2.571	32.51	4.538	4.576	30.33	2.635	22.04	22.26	22.5	0.218	0.454	77.8	18	0.974	892	0
7/31/2014 23:15	72827	15	212	1.192	45.87	13.58	2.371	41.53	6.422	4.407	36.27	2.408	21.93	22.17	22.52	0.239	0.588	78.58	18.06	0.802	892	0
7/31/2014 23:30	72828	15	212	1.535	36	12.68	3.022	31.74	5.812	5.35	29.78	3.275	21.93	22.1	22.3	0.176	0.373	78.76	18.09	1.155	892	0
7/31/2014 23:45	72829	15	212	1.758	50.04	13.11	3.034	45.51	7.725	5.497	40.44	5.126	22.07	22.21	22.46	0.141	0.394	77.51	17.97	1	892	0
8/1/2014 0:00	72830	15	213	1.792	52.8	13.49	3.08	49.09	6.692	5.634	47.33	2.913	22.08	22.25	22.69	0.164	0.602	77.22	17.93	0.938	892	0
8/1/2014 0:15	72831	15	213	1.446	51.93	12.71	2.727	50.04	6.217	5.572	47.4	2.09	22.07	22.36	23.29	0.288	1.212	76.46	17.76	0.994	892	0
8/1/2014 0:30	72832	15	213	1.366	57.65	12.74	2.626	54.78	6.117	5.374	50.09	2.175	22.09	22.46	23.36	0.37	1.271	75.34	17.54	1.13	892	0
8/1/2014 0:45	72833	15	213	1.37	46.39	12.07	2.755	46.1	5.84	5.105	43.93	3.609	22.09	22.5	22.94	0.409	0.847	75.11	17.49	0.925	892	0
8/1/2014 1:00	72834	15	213	1.299	70.15	12.08	2.327	64.63	7.455	4.249	58.66	4.214	22.26	22.57	22.75	0.31	0.493	72.64	17.13	0.913	892	0
8/1/2014 1:15	72835	15	213	1.071	58.87	12.35	2.225	57.12	6.064	4.175	59.36	5.026	22.04	22.49	22.83	0.45	0.791	71.52	16.67	0.957	892	0
8/1/2014 1:30	72836	15	213	1.111	66.3	10.4	2.372	64.12	5.534	4.245	71.29	4.008	21.82	22.37	22.81	0.551	0.988	72.1	16.59	0.951	892	0
8/1/2014 1:45	72837	15	213	3.078	91.9	15.65	4.708	87.6	11.86	6.602	86.5	8.23	22.16	22.31	22.12	0.154	-0.04	70.06	16.46	1.063	892	0
8/1/2014 2:00	72838	15	213	3.615	100.1	12.01	5.319	95.5	8.04	7.483	92.7	4.752	21.99	22.04	21.77	0.048	-0.217	69.13	16.09	1.142	892	0
8/1/2014 2:15	72839	15	213	3.366	103.4	12.09	5.081	98.1	8.04	7.236	95	4.728	21.8	21.85	21.6	0.056	-0.196	66.97	15.41	1.243	892	0
8/1/2014 2:30	72840	15	213	3.747	104.8	13.15	5.36	100.3	8.06	7.418	97.2	5.58	21.72	21.75	21.46	0.027	-0.259	66.31	15.19	1.241	892	0
8/1/2014 2:45	72841	15	213	3.52	100.4	13.39	5.254	95.4	8.1	7.084	92.9	5.613	21.56	21.57	21.26	0.016	-0.299	67.38	15.28	1.138	892	0
8/1/2014 3:00	72842	15	213	3.427	94.6	13.35	4.969	91.3	8.72	6.908	87.6	5.366	21.41	21.39	21.06	-0.022	-0.355	68.37	15.36	1.293	892	0
8/1/2014 3:15	72843	15	213	3.464	97.5	13.3	4.95	94.1	8.18	6.656	91.6	5.3	21.26	21.24	20.91	-0.017	-0.352	68.88	15.34	1.115	892	0
8/1/2014 3:30	72844	15	213	3.023	98.7	13.8	4.462	94.3	9.71	6.261	91.7	6.216	21.03	21.05	20.76	0.025	-0.27	69.62	15.28	1.121	892	0
8/1/2014 3:45	72845	15	213	3.275	113	13.01	4.965	107.9	8.18	6.727	102.7	5.441	20.98	20.97	20.65	-0.01	-0.325	69.33	15.17	1.228	892	0
8/1/2014 4:00	72846	15	213	3.365	118	12.45	5.061	113.6	6.853	6.966	108.9	4.892	20.9	20.87	20.53	-0.031	-0.373	69.56	15.14	1.154	892	0
8/1/2014 4:15	72847	15	213	3.294	117.8	13	5.098	113	7.3	6.818	107.8	4.84	20.8	20.77	20.41	-0.032	-0.386	70.28	15.21	1.151	892	0
8/1/2014 4:30	72848	15	213	3.627	114.2	12.81	5.271	110.1	7.907	7.115	106.3	5.031	20.73	20.68	20.32	-0.049	-0.411	70.64	15.22	1.274	892	0
8/1/2014 4:45	72849	15	213	3.766	115.8	13.08	5.522	111.1	7.002	7.007	107.5	4.549	20.66	20.61	20.23	-0.054	-0.433	71.14	15.27	1.178	893	0
8/1/2014 5:00	72850	15	213	3.387	113.5	12.57	5.115	109.6	7.527	6.857	105.9	4.286	20.55	20.5	20.12	-0.058	-0.432	72	15.35	1.26	893	0
8/1/2014 5:15	72851	15	213	3.174	121.1	13.6	4.815	117.1	8.1	6.415	113	5.416	20.48	20.42	20.04	-0.06	-0.437	72.71	15.43	2.251	893	0
8/1/2014 5:30	72852	15	213	3.041	133.2	15.14	4.599	125.8	9.54	5.988	121.1	6.198	20.4	20.33	19.95	-0.069	-0.448	73.36	15.5	4.122	893	0
8/1/2014 5:45	72853	15	213	2.86	136.9	12.84	4.318	130.7	8.01	5.789	126.1	4.855	20.37	20.3	19.91	-0.074	-0.458	73.84	15.57	7.581	893	0
8/1/2014 6:00	72854	15	213	3.01	130.5	14.1	4.662	124.8	7.804	6.248	121.3	4.732	20.36	20.27	19.88	-0.085	-0.476	74.22	15.63	11.94	893	0
8/1/2014 6:15	72855	15	213	2.757	125.5	12.35	4.099	120.8	8.75	5.765	117	4.984	20.37	20.26	19.86	-0.105	-0.505	74.49	15.7	21.64	893	0
8/1/2014 6:30	72856	15	213	2.598	135.3	13.64	3.936	130.3	8.86	5.102	123.5	6.394	20.51	20.36	19.94	-0.152	-0.569	74.05	15.75	44.19	893	0
8/1/2014 6:45	72857	15	213	2.241	154.2	14.41	3.452	144.5	10.08	4.409	138.2	8.89	20.68	20.48	20.01	-0.208	-0.67	73.29	15.75	67.7	893	0
8/1/2014 7:00	72858	15	213	2.122	181.6	22.65	2.983	172.4	19.83	3.779	169.6	19.31	20.76	20.53	20.06	-0.235	-0.706	72.95	15.75	72.99	894	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/1/2014 7:15	72859	15	213	2.447	195.2	14.52	3.618	189.4	9.52	4.396	188.8	5.78	20.92	20.7	20.26	-0.218	-0.66	72.97	15.91	53.09	894	0
8/1/2014 7:30	72860	15	213	2.665	185.1	12.21	3.946	180.7	8.12	4.831	179.6	5.919	20.98	20.78	20.32	-0.201	-0.665	73.03	15.98	54.03	894	0
8/1/2014 7:45	72861	15	213	2.661	189	14.15	3.851	183.8	11.02	4.904	181.5	9.37	21.12	20.84	20.34	-0.289	-0.782	73.23	16.16	89.9	894	0
8/1/2014 8:00	72862	15	213	2.781	180.8	15.64	4.131	174.9	12.43	5.31	171.1	9.35	21.34	20.98	20.42	-0.359	-0.915	71.66	16.03	116.7	894	0
8/1/2014 8:15	72863	15	213	2.653	172	18.7	3.752	163.3	15.21	4.571	159	12.28	21.5	21.05	20.5	-0.448	-1.004	70.71	15.97	161.3	894	0
8/1/2014 8:30	72864	15	213	2.753	164.8	14.78	3.84	158.8	9.83	4.449	157.1	9.22	21.63	21.09	20.49	-0.54	-1.135	70.27	16	202.4	894	0
8/1/2014 8:45	72865	15	213	2.483	159.8	16.66	3.447	155.2	14.24	3.936	153.2	13.11	21.71	21.14	20.59	-0.563	-1.114	70.45	16.12	199.2	894	0
8/1/2014 9:00	72866	15	213	2.415	146.8	16.54	3.346	140.8	11.83	3.92	136.8	8.55	21.54	21.05	20.47	-0.488	-1.062	71.53	16.19	164.3	894	0
8/1/2014 9:15	72867	15	213	2.074	143.6	16.23	2.865	134.9	11	3.225	125.9	9.85	21.5	21.01	20.45	-0.489	-1.047	71.56	16.16	171	894	0
8/1/2014 9:30	72868	15	213	2.344	129.7	17.11	3.363	124.5	11.91	4.183	123.1	8.79	21.06	20.91	20.41	-0.15	-0.655	73.95	16.24	105.4	894	0
8/1/2014 9:45	72869	15	213	2.125	110.9	17.48	3.088	106.8	14.59	4.043	103.9	10.45	20.6	20.47	20.08	-0.13	-0.526	79.22	16.89	190.4	894	0
8/1/2014 10:00	72870	15	213	2.652	84.7	16.98	3.476	82.7	12.32	3.933	81.1	11.52	21.19	20.65	20.08	-0.534	-1.108	74.3	16.45	392.8	894	0
8/1/2014 10:15	72871	15	213	2.217	96.8	24.27	2.995	90.8	19.45	3.63	90.9	17.28	21.87	21.19	20.57	-0.681	-1.307	71.2	16.44	400.4	894	0
8/1/2014 10:30	72872	15	213	2.091	140.1	33.29	2.754	136.3	29.11	3.123	136.1	26.58	22.52	21.77	21.12	-0.751	-1.394	67.1	16.12	440	894	0
8/1/2014 10:45	72873	15	213	1.532	150.5	33.87	2.061	142.1	28.41	2.648	136.9	27.53	22.76	22.08	21.39	-0.675	-1.369	64.91	15.83	484.7	894	0
8/1/2014 11:00	72874	15	213	1.43	126.9	45.93	1.744	126.4	38.53	2.046	132	34.36	22.75	22.19	21.58	-0.558	-1.164	65.37	15.93	422.7	894	0
8/1/2014 11:15	72875	15	213	1.35	197.7	67.98	1.615	189	56.26	1.903	166.6	38.66	22.78	22.26	21.71	-0.518	-1.063	65.06	15.89	322.9	894	0
8/1/2014 11:30	72876	15	213	1.292	156.9	80	1.654	149	66.44	1.906	145.1	43.57	23.04	22.54	22.06	-0.501	-0.975	64.15	15.91	369.1	894	0
8/1/2014 11:45	72877	15	213	1.462	153.2	34.61	1.864	143.7	26.29	2.183	140.2	21.78	23.2	22.63	22.1	-0.573	-1.104	62.38	15.63	403.9	894	0
8/1/2014 12:00	72878	15	213	1.359	173.1	87.8	1.677	155.2	65.14	1.915	135.7	29.74	23.79	23.05	22.4	-0.746	-1.391	61.13	15.88	739.1	893	0
8/1/2014 12:15	72879	15	213	1.645	153.4	69.88	2.137	148.8	59.55	2.05	141	49.17	24.52	23.5	22.74	-1.024	-1.777	58.03	15.74	717.8	893	0
8/1/2014 12:30	72880	15	213	1.178	70.45	59.25	1.408	57.12	47.6	1.581	57.46	55.21	24.14	23.63	23.05	-0.509	-1.09	56.99	15.1	426	893	0
8/1/2014 12:45	72881	15	213	1.377	45.82	46.04	1.737	45.62	32.55	2	51.39	31.48	24.18	23.62	23.04	-0.564	-1.137	57.87	15.38	293.4	893	0
8/1/2014 13:00	72882	15	213	1.206	323.6	29.18	1.357	328.4	24.5	1.163	327.4	40.64	24.28	23.77	23.23	-0.509	-1.045	58.04	15.52	297.9	893	0
8/1/2014 13:15	72883	15	213	1.085	9.58	32.23	1.348	10.79	29.96	1.603	354.3	33.8	24.44	23.99	23.54	-0.451	-0.902	56.45	15.23	264.7	893	0
8/1/2014 13:30	72884	15	213	1.123	58.79	48.75	1.62	53.48	48.14	2.155	47.47	26.25	24.64	24.28	23.76	-0.357	-0.874	54.16	14.78	169.2	893	0
8/1/2014 13:45	72885	15	213	1.464	71.68	19.16	2.054	67.16	16.07	2.707	64.55	14.71	24.59	24.33	23.83	-0.256	-0.753	53.81	14.63	82.5	892	0
8/1/2014 14:00	72886	15	213	0.811	339.9	83.3	0.965	339.3	91.6	1.087	96.2	81.5	23.56	23.71	23.31	0.157	-0.242	60.56	15.47	71.12	892	0.254
8/1/2014 14:15	72887	15	213	1.016	260.2	21.17	1.538	258.5	18.9	1.32	254.6	14.17	22.3	22.66	22.41	0.355	0.108	74.62	17.59	72.07	892	0.254
8/1/2014 14:30	72888	15	213	1.109	264.7	23.24	1.82	269.4	25.88	2.015	280.5	14.19	22.57	22.83	22.67	0.263	0.098	71.46	17.15	64.11	892	0
8/1/2014 14:45	72889	15	213	1.94	273.3	9.53	3.502	269.7	5.308	3.642	280.7	3.545	22.21	22.38	22.71	0.169	0.503	76.91	17.98	95.9	892	0
8/1/2014 15:00	72890	15	213	2.806	294.9	17.4	3.626	290.9	14.13	3.406	299.1	13.86	22.38	22.37	22.8	-0.007	0.425	73.93	17.51	137.2	892	0
8/1/2014 15:15	72891	15	213	2.641	310.9	15.33	3.076	305.2	11.04	3.461	312	15.37	22.9	22.84	22.83	-0.062	-0.075	69	16.92	168.1	892	0
8/1/2014 15:30	72892	15	213	2.238	324	17.46	2.89	319.4	12.66	3.551	313.3	9.5	23.47	23.34	22.99	-0.129	-0.479	65.46	16.64	177.6	892	0
8/1/2014 15:45	72893	15	213	2.155	307.1	14.4	2.407	304	10.51	2.738	304.2	8.34	23.83	23.63	23.2	-0.197	-0.631	63.39	16.47	186.4	892	0
8/1/2014 16:00	72894	15	213	2.419	259.9	15.12	3.477	257.8	12.86	3.849	260.5	12.28	23.42	23.11	22.69	-0.305	-0.726	67.25	17	167.9	892	0
8/1/2014 16:15	72895	15	213	1.954	303	17.33	2.371	298.6	16.18	2.465	301.4	10.2	23.81	23.56	23.3	-0.247	-0.509	64.59	16.74	148.8	892	0
8/1/2014 16:30	72896	15	213	2.16	306.5	11.34	2.213	302.2	7.955	2.563	306.3	6.888	24.1	23.93	23.58	-0.168	-0.517	60.86	16.09	128.6	891	0
8/1/2014 16:45	72897	15	213	2.27	310.4	12.31	2.683	308.8	8.87	2.948	307	6.665	24.26	24.07	23.62	-0.195	-0.637	59.39	15.86	140.8	891	0
8/1/2014 17:00	72898	15	213	2.843	327	13.71	4.12	324.9	8.73	4.565	318.2	5.35	24.23	23.88	23.36	-0.35	-0.865	62.24	16.56	212.4	891	0
8/1/2014 17:15	72899	15	213	2.652	340.1	16.97	3.754	336.7	12.25	4.613	331.4	8.37	24.19	23.87	23.28	-0.327	-0.917	63.33	16.81	183.5	891	0
8/1/2014 17:30	72900	15	213	2.681	347	14.38	3.937	340.9	8.67	4.535	334.9	6.502	23.89	23.61	23.09	-0.287	-0.805	64.32	16.77	131	891	0
8/1/2014 17:45	72901	15	213	2.72	331.7	12.4	3.983	327.8	9.22	4.88	322.7	7.153	23.74	23.52	23.03	-0.218	-0.706	65.94	17.01	87.6	891	0
8/1/2014 18:00	72902	15	213	2.354	331.8	12.9	3.57	327.3	9.05	4.487	322.2	5.736	23.67	23.5	23.02	-0.173	-0.654	66.14	17	67.11	891	0
8/1/2014 18:15	72903	15	213	2.007	324.3	11.7	2.938	321.5	9.94	3.86	317.4	6.899	23.56	23.43	22.98	-0.126	-0.576	67.06	17.11	37.57	891	0
8/1/2014 18:30	72904	15	213	1.866	328.7	12.01	2.784	326	8.81	3.645	322	5.667	23.42	23.35	22.95	-0.068	-0.47	67.82	17.15	17.08	891	0
8/1/2014 18:45	72905	15	213	1.262	330.6	12.88	2.072	328.6	9.83	3.356	326.7	4.415	23.32	23.29	22.95	-0.026	-0.371	69.03	17.34	13.66	891	0
8/1/2014 19:00	72906	15	213	0.88	348.1	15.07	1.479	342.5	10.1	2.707	336.2	3.431	23.13	23.21	22.94	0.08	-0.194	69.36	17.24	3.361	891	0
8/1/2014 19:15	72907	15	213	0.889	333.3	8.27	1.771	331.8	5.741	3.061	338.1	3.746	22.8	23.06	22.89	0.254	0.091	71.66	17.43	0.939	891	0
8/1/2014 19:30	72908	15	213	1.167	347.7	12.77	2.124	346.6	7.625	3.831	340.9	5.284	22.66	22.83	22.85	0.175	0.192	71.95	17.36	0.855	891	0
8/1/2014 19:45	72909	15	213	1.337	342.7	12.31	2.194	337.7	8.71	3.816	329.6	5.44	22.52	22.58	22.3	0.059	-0.225	73.24	17.51	0.832	892	0
8/1/2014 20:00	72910	15	213	1.342	346.9	14.39	2.302	344.6	8.9	4.022	338.1	3.244	22.43	22.46	22.24	0.025	-0.192	76.86	18.19	0.833	892	0
8/1/2014 20:15	72911	15	213	1.357	335	19.75	2.257	334.4	13.76	3.804	335.8	7.462	22.38	22.41	22.22	0.033	-0.156	77.79	18.33	0.86	892	0
8/1/2014 20:30	72912	15	213	1.599	322.9	13.26	2.551	321.1	8.87	3.872	323.2	4.25	22.28	22.32	22.16	0.037	-0.127	78.67	18.42	0.836	892	0
8/1/2014 20:45	72913	15	213	1.596	339.3	12.52	2.623	337.6	8.85	4.317	339.2	4.556	22.27	22.3	22.16	0.036	-0.11	78.55	18.37	0.989	892	0
8/1/2014 21:00	72914	15	213	1.094	305.8	14.46	1.569	311.7	10.61	3.018	330.7	5.247	22.21	22.19	22	-0.025	-0.212	79.23	18.46	0.808	892	0
8/1/2014 21:15	72915	15	213	0.989	306.7	9.9	1.338	306.4	6.948	2.58	323.2	7.738	22.08	22.1	21.9	0.012	-0.182	80.1	18.52	0.755	893	0
8/1/2014 21:30	72916	15	213	1.173	319.9	9.9	2.084	316.1	6.385	3.463	323.8	4.891	22.01	22.08	22.16	0.078	0.153	80.4	18.49	0.816	893	0
8/1/2014 21:45	72917	15	213	0.785	296.6	18.14	1.336	305.5	13.23	2.724	319.4	6.539	22.12	22.18	22.15	0.057	0.027	79.24	18.38	0.902	893	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/1/2014 22:00	72918	15	213	0.699	271.4	17.06	1.281	272.6	15.81	1.621	305.9	9.72	22.11	22.2	21.96	0.095	-0.144	79.23	18.36	0.587	893	0
8/1/2014 22:15	72919	15	213	1.187	219.3	19.65	1.886	222.2	19.77	1.755	247.8	22.99	21.88	22.05	21.83	0.166	-0.05	80.7	18.44	0.616	893	0
8/1/2014 22:30	72920	15	213	1.399	223.9	15.92	2.267	222.5	11.04	3.03	227.9	10.8	21.71	21.71	21.64	-0.005	-0.073	82.7	18.66	0.855	893	0
8/1/2014 22:45	72921	15	213	1.222	295.4	54.26	1.861	281.3	32.4	3.028	258.2	13.56	21.76	21.74	21.55	-0.025	-0.214	82.2	18.6	0.784	893	0
8/1/2014 23:00	72922	15	213	0.848	213.1	51.49	1.508	224.2	37.48	2.115	241.9	17.63	21.66	21.81	21.67	0.147	0.012	81.9	18.46	0.672	893	0
8/1/2014 23:15	72923	15	213	1.16	201	19.48	2	195.5	16.38	2.359	207.5	15.77	21.49	21.64	21.51	0.149	0.024	83.1	18.52	0.717	893	0
8/1/2014 23:30	72924	15	213	0.91	195.2	27.38	1.319	198.7	21.63	1.654	191	33.07	21.58	21.68	21.84	0.097	0.262	82.1	18.42	0.581	893	0
8/1/2014 23:45	72925	15	213	0.487	131	46.55	0.572	161.4	49.49	1.212	166.4	27.28	21.45	21.58	22	0.136	0.549	83.2	18.5	0.535	893	0
8/2/2014 0:00	72926	15	214	0.583	109.2	52.29	0.832	117.6	44.88	1.812	107.9	23.77	21.54	21.97	22.4	0.429	0.858	81.3	18.21	0.559	893	0
8/2/2014 0:15	72927	15	214	0.548	354.3	61.15	0.656	58.83	70.73	1.821	83.4	12.92	21.49	22.04	22.69	0.552	1.199	80.8	18.06	0.593	893	0
8/2/2014 0:30	72928	15	214	0.952	221.9	25.62	1.358	204.8	28.45	1.554	122.7	62.86	21.28	22.35	22.78	1.069	1.5	72.96	16.14	0.707	893	0
8/2/2014 0:45	72929	15	214	0.731	160.9	38.59	1.772	146.9	27.15	2.988	126.1	12.7	21.6	22.52	22.96	0.918	1.356	64.48	14.61	0.784	892	0
8/2/2014 1:00	72930	15	214	1.281	147.2	35.12	2.376	144.4	36.38	3.875	137.9	32.82	21.87	22.43	22.63	0.552	0.761	57.23	12.97	0.996	892	0
8/2/2014 1:15	72931	15	214	1.225	201.8	16.77	2.003	198.3	8.92	3.074	183.7	8.32	21.31	21.5	21.89	0.193	0.589	76.43	17.01	0.845	892	0
8/2/2014 1:30	72932	15	214	1.263	203.4	17.95	2.03	202.5	14.76	2.915	198.1	20.21	21.24	21.42	21.46	0.188	0.225	76.21	16.88	0.719	892	0
8/2/2014 1:45	72933	15	214	1.255	255.7	21.84	1.903	250.2	17.11	2.449	223.2	12.18	20.93	20.92	21.19	-0.014	0.256	84.2	18.19	0.69	892	0
8/2/2014 2:00	72934	15	214	0.447	239.8	58.21	0.706	251.7	30.82	1.153	222.7	20.38	20.69	20.87	21.14	0.173	0.445	85.8	18.25	0.525	892	0
8/2/2014 2:15	72935	15	214	0.762	231.8	25.93	1.396	244.6	9.93	2.054	239.8	7.934	20.64	20.76	20.59	0.124	-0.043	86.4	18.29	0.659	892	0
8/2/2014 2:30	72936	15	214	0.479	189.9	20.1	0.885	206.3	11.38	1.565	221.7	13.54	20.52	20.59	21.08	0.064	0.553	86	18.12	0.544	892	0
8/2/2014 2:45	72937	15	214	0.518	205	13.46	0.972	213.7	11.07	1.631	246.8	5.65	20.36	20.47	20.52	0.111	0.167	87.9	18.31	0.585	892	0
8/2/2014 3:00	72938	15	214	0.538	215.4	16.51	1.103	217.1	7.173	1.873	247.1	9.2	20.34	20.41	20.54	0.076	0.202	88.4	18.37	0.618	892	0
8/2/2014 3:15	72939	15	214	0.783	34.05	28.63	1.148	21.98	47.49	1.253	322.8	37.28	20.29	20.36	20.26	0.075	-0.029	88.9	18.41	0.463	892	0
8/2/2014 3:30	72940	15	214	0.844	61.12	18.5	1.674	48.54	12.37	1.86	17.92	4.491	20.38	20.46	20.66	0.085	0.283	88.4	18.42	0.633	892	0
8/2/2014 3:45	72941	15	214	0.56	36.83	22.28	1.345	43.21	9.47	1.671	39.18	5.468	20.41	20.57	21.46	0.16	1.052	88.2	18.4	0.598	893	0
8/2/2014 4:00	72942	15	214	0.654	48.33	7.903	1.54	48.53	2.189	1.871	64.41	8.47	20.4	20.72	21.6	0.325	1.205	88.7	18.49	0.623	893	0
8/2/2014 4:15	72943	15	214	1.274	59.51	13.57	2.641	58.78	6.553	3.593	66.57	4.041	20.56	20.99	21.89	0.433	1.336	83.7	17.7	0.826	893	0
8/2/2014 4:30	72944	15	214	1.258	98.3	22.04	2.437	85.3	14.86	3.329	86.3	12.38	20.78	21.31	22.12	0.523	1.341	66.83	14.4	0.822	893	0
8/2/2014 4:45	72945	15	214	0.97	186	25.92	1.692	173.3	27.4	2.275	136.5	20.45	20.48	21.15	21.79	0.67	1.318	69.64	14.74	0.634	893	0
8/2/2014 5:00	72946	15	214	0.603	133.2	37.84	1.402	143.9	19.54	3.098	127.6	11.32	20.43	21.25	21.88	0.819	1.446	74.97	15.86	0.885	893	0
8/2/2014 5:15	72947	15	214	0.68	128.8	18.78	1.783	126.6	5.635	3.167	127.3	5.119	20.57	21.36	21.67	0.782	1.095	73.74	15.74	1.279	893	0
8/2/2014 5:30	72948	15	214	0.82	162.4	21.36	1.848	149.5	10.86	3.023	146.5	7.758	20.47	21.19	21.67	0.721	1.202	75.09	15.92	3.558	894	0
8/2/2014 5:45	72949	15	214	1.057	190.2	11.48	1.823	191.6	7.555	2.676	189.9	10.46	20.29	20.41	20.43	0.119	0.144	82.2	17.16	6.217	894	0
8/2/2014 6:00	72950	15	214	1.495	185.1	10.81	2.381	180.1	6.62	2.973	184.5	10.25	20.27	20.21	20.25	-0.056	-0.014	86.7	18	8.84	894	0
8/2/2014 6:15	72951	15	214	2.108	186.6	9.92	3.346	180.1	5.412	4.524	171.3	5.579	20.28	20.23	20.59	-0.056	0.308	86.1	17.9	11.73	894	0
8/2/2014 6:30	72952	15	214	2.764	191.1	17.16	4.155	184.8	14.64	6.307	177.9	15.63	20.57	20.54	20.57	-0.025	0.009	82.9	17.56	20.02	894	0
8/2/2014 6:45	72953	15	214	3.443	218.2	11.63	5.042	213.4	8.61	7.176	208.9	5.25	20.48	20.35	20	-0.125	-0.481	83.9	17.67	31.06	894	0
8/2/2014 7:00	72954	15	214	3.068	219.6	14.56	4.528	214.9	10.27	6.163	214.5	7.521	20.49	20.34	19.9	-0.152	-0.589	83.4	17.6	44.58	894	0
8/2/2014 7:15	72955	15	214	3.817	217.1	12.51	5.747	214	8.39	7.225	211.8	6.916	20.28	20.06	19.56	-0.222	-0.719	83.1	17.33	74.93	894	0
8/2/2014 7:30	72956	15	214	3.965	192.4	16.82	5.699	187.1	12.72	7.061	184	10.26	19.74	19.43	18.87	-0.313	-0.874	83	16.79	102.2	895	0
8/2/2014 7:45	72957	15	214	3.087	174.5	13.34	4.432	169.6	9.44	5.191	165.5	7.688	19.28	18.83	18.28	-0.455	-1.004	83.2	16.39	142.5	895	0
8/2/2014 8:00	72958	15	214	2.867	177.4	15.74	3.999	170.6	12.01	4.605	168.9	8.2	19.24	18.78	18.24	-0.467	-0.999	83.1	16.32	158	895	0
8/2/2014 8:15	72959	15	214	2.187	167.5	17.6	3.246	157.6	12.98	3.894	153.6	11.11	19.33	18.91	18.38	-0.424	-0.956	84.7	16.71	165	895	0
8/2/2014 8:30	72960	15	214	1.719	155.2	17.15	2.296	149.7	14.72	2.829	145.7	13.04	19.25	18.89	18.41	-0.366	-0.846	85	16.68	189.3	895	0
8/2/2014 8:45	72961	15	214	2.149	166.4	17.23	2.983	161.2	11.61	3.579	162.6	8.54	19.59	19.21	18.79	-0.388	-0.808	79.01	15.86	168.1	895	0
8/2/2014 9:00	72962	15	214	2.22	158.4	20.34	3.362	151.2	13.74	5.249	147.2	13.49	20.39	20.2	20.19	-0.196	-0.207	69.9	14.68	105.9	895	0
8/2/2014 9:15	72963	15	214	3.671	181.8	12.61	5.234	175.4	9.45	6.927	169.8	6.149	19.92	19.68	19.19	-0.244	-0.73	73.16	14.95	121	895	0
8/2/2014 9:30	72964	15	214	2.153	192.2	12.13	3.003	185.4	7.834	3.905	165.5	9.07	19.01	18.93	18.81	-0.079	-0.199	82.5	15.97	166.4	895	0
8/2/2014 9:45	72965	15	214	0.745	157.9	62.83	0.9	146.7	60.96	1.874	122.2	26.03	19.12	18.96	18.93	-0.156	-0.187	82.8	16.13	135.3	895	0.254
8/2/2014 10:00	72966	15	214	0.944	13.7	58.76	1.405	28.7	50.15	1.854	52.3	39.76	19.32	19.39	19.32	0.075	0.001	78.86	15.56	149.6	895	0.254
8/2/2014 10:15	72967	15	214	0.894	37.51	41.79	1.388	26.39	29.31	2.453	22.95	13.11	19.41	19.32	19.57	-0.096	0.155	82.6	16.39	277.3	895	0
8/2/2014 10:30	72968	15	214	1.652	33.2	13.69	2.629	31.03	6.23	3.54	40.55	3.717	19.97	20.05	20.45	0.083	0.483	75.92	15.61	207.1	895	0
8/2/2014 10:45	72969	15	214	1.695	74.73	23.01	2.482	70.13	19.1	3.353	72.23	14.47	20.38	20.35	20.3	-0.031	-0.075	70.24	14.78	217.4	895	0
8/2/2014 11:00	72970	15	214	2.422	99.3	14.62	3.491	93.7	9.76	4.122	89.3	7.768	21.18	21.01	20.6	-0.173	-0.574	63.61	14.02	312.5	895	0
8/2/2014 11:15	72971	15	214	3.47	75.89	14.73	5.007	72.56	10.77	6.381	69.76	7.906	22.43	22.12	21.59	-0.318	-0.843	53.09	12.4	474.8	895	0
8/2/2014 11:30	72972	15	214	3.738	76.48	15.86	5.227	72.82	12.01	6.275	69.94	8.93	23.81	23.17	22.48	-0.634	-1.329	45.35	11.28	655.9	895	0
8/2/2014 11:45	72973	15	214	4.479	75.68	14.16	6.207	71.37	10.21	7.105	68	7.066	24.52	23.62	22.91	-0.903	-1.611	41.04	10.43	848	895	0
8/2/2014 12:00	72974	15	214	4.28	70.81	14.64	5.89	66.39	10.99	6.905	64.04	8.11	25.03	24.02	23.22	-1.005	-1.807	39.95	10.49	870	894	0
8/2/2014 12:15	72975	15	214	4.371	75.89	18.61	6.062	71.83	14.35	7.13	67.53	11.44	25.34	24.3	23.47	-1.04	-1.874	37.87	9.97	824	894	0
8/2/2014 12:45	72977	15	214	3.483	71.09	20.3	4.764	65.24	16.57	5.92	61.48	12.98	26.49	25.27	24.35	-1.22	-2.144	36.39	10.38	928	894	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/2/2014 13:00	72978	15	214	4.439	75.32	17.59	5.865	70.24	12.48	7.094	65.81	9.18	26.98	25.51	24.53	-1.471	-2.451	32.34	9.04	1189	894	0
8/2/2014 13:15	72979	15	214	4.035	88.7	20.54	5.511	84.2	15.86	6.631	80.3	12.79	26.76	25.66	24.78	-1.101	-1.978	30.38	7.922	775.1	894	0
8/2/2014 13:30	72980	15	214	4.352	96	18.72	5.6	91.7	15.37	6.566	86.6	12.91	27.87	26.32	25.27	-1.554	-2.606	25.4	6.272	1397	893	0
8/2/2014 13:45	72981	15	214	3.797	86.4	24.56	4.968	82.1	19.71	5.711	77.96	14.43	27.64	26.3	25.45	-1.339	-2.188	25.91	6.363	907	893	0
8/2/2014 14:00	72982	15	214	3.595	103.4	24.13	5.023	101	19.4	6.08	95.2	15.1	27.84	26.55	25.54	-1.294	-2.3	26.79	7.031	712.9	893	0
8/2/2014 14:15	72983	15	214	3.841	100.4	20.86	5.127	96.9	17.81	6.176	89.8	18.84	28.31	26.98	26.06	-1.332	-2.252	24.72	6.244	892	893	0
8/2/2014 14:30	72984	15	214	3.702	90.1	24.2	4.932	86.3	22.76	5.991	84.1	17.68	27.65	26.72	25.93	-0.939	-1.722	24.5	5.568	525.7	893	0
8/2/2014 14:45	72985	15	214	3.997	68.92	18.81	5.648	64.69	15.9	6.689	63.55	11.48	28.05	26.94	26.09	-1.116	-1.968	21.23	3.852	786.2	893	0
8/2/2014 15:00	72986	15	214	3.526	74.73	24.42	4.751	72.32	19.9	5.419	74.55	16.78	28.43	27.15	26.23	-1.288	-2.203	21.35	4.25	880	892	0
8/2/2014 15:15	72987	15	214	3.26	68.62	25.35	4.426	65.29	22.29	5.364	67.51	20.1	28.31	27.25	26.42	-1.06	-1.891	22.55	4.928	702.7	893	0
8/2/2014 15:30	72988	15	214	3.311	101	19.03	4.36	96.7	16.21	5.11	94	14.15	28.5	27.32	26.56	-1.186	-1.94	23.38	5.615	790.9	892	0
8/2/2014 15:45	72989	15	214	3.07	98	26.71	4.11	89.8	22.01	4.772	80.9	17.83	28.7	27.58	26.74	-1.121	-1.967	23.44	5.818	815	892	0
8/2/2014 16:00	72990	15	214	2.952	75.9	27.2	3.939	70.56	23.2	4.648	69.05	19.52	28.4	27.28	26.6	-1.118	-1.8	24.76	6.356	720.5	892	0
8/2/2014 16:15	72991	15	214	3.122	64.55	23.56	4.113	62.42	19.4	5.074	60.03	16.2	28.7	27.75	26.95	-0.952	-1.749	25.06	6.791	664.3	892	0
8/2/2014 16:30	72992	15	214	3.329	99.8	25.73	4.538	95.3	23.07	5.527	93.4	19.24	28.69	27.7	26.91	-0.99	-1.776	25.15	6.831	577.3	892	0
8/2/2014 16:45	72993	15	214	3.532	102.9	20.27	4.915	97.2	15.61	5.728	92.5	13.16	28.38	27.54	26.84	-0.847	-1.545	25.08	6.529	436.7	892	0
8/2/2014 17:00	72994	15	214	3.167	96.9	20.55	4.318	93.1	14.97	5.363	84.2	11.54	28.14	27.58	26.94	-0.563	-1.204	25.35	6.479	326.7	892	0
8/2/2014 17:15	72995	15	214	4.01	82	18.13	5.46	78.25	13.27	6.585	73.7	8.69	28.32	27.65	26.92	-0.667	-1.392	25.47	6.697	379.5	892	0
8/2/2014 17:30	72996	15	214	3.58	74.91	13.76	5.137	72.01	9.7	6.079	69.81	8	27.65	27.33	26.77	-0.318	-0.884	26.57	6.751	175.8	892	0
8/2/2014 17:45	72997	15	214	3.462	91.8	15.14	4.894	87	12.29	6.2	82.8	10.99	27.61	27.32	26.76	-0.286	-0.849	26.7	6.788	118.1	892	0
8/2/2014 18:00	72998	15	214	3.457	91.2	15.42	4.94	86.4	10.48	6.059	84.5	8.23	27.45	27.25	26.74	-0.199	-0.711	26.46	6.521	72.6	892	0
8/2/2014 18:15	72999	15	214	3.629	90.2	15.17	5.301	87.7	11.52	6.58	84.3	8.7	27.25	27.12	26.67	-0.131	-0.585	26.14	6.175	38.34	892	0
8/2/2014 18:30	73000	15	214	3.536	85.7	13.1	4.946	81.8	8.96	6.274	79.22	5.928	27.11	27.03	26.62	-0.075	-0.482	25.81	5.859	20.5	892	0
8/2/2014 18:45	73001	15	214	2.854	92.8	13.19	4.265	89.7	8.92	5.986	88.5	6.018	26.97	26.98	26.65	0.01	-0.324	24.06	4.74	10.69	892	0
8/2/2014 19:00	73002	15	214	3.426	95.2	12.49	4.986	91.2	8.4	6.679	88.7	5.854	26.82	26.85	26.53	0.03	-0.291	24.11	4.645	4.884	892	0
8/2/2014 19:15	73003	15	214	3.092	101	12.15	4.609	95.9	8.11	6.285	92.1	4.503	26.61	26.68	26.38	0.067	-0.227	25.25	5.133	1.357	892	0
8/2/2014 19:30	73004	15	214	2.638	101.7	12.46	3.979	98.2	8.52	5.753	96.5	5.216	26.33	26.46	26.21	0.126	-0.118	26.33	5.494	1.028	892	0
8/2/2014 19:45	73005	15	214	2.408	99.5	12.12	3.671	96.4	7.804	5.413	93.8	4.587	25.97	26.13	25.92	0.159	-0.045	28.11	6.126	1.071	893	0
8/2/2014 20:00	73006	15	214	1.869	93.2	10.75	2.968	89.2	6.29	4.859	87.6	3.682	25.55	25.76	25.66	0.21	0.11	30.21	6.819	0.906	893	0
8/2/2014 20:15	73007	15	214	1.549	87.3	11.01	2.695	85.2	6.768	4.914	85.3	2.746	25.14	25.43	25.48	0.295	0.341	32.11	7.35	0.908	893	0
8/2/2014 20:30	73008	15	214	1.634	81.5	10.9	2.839	81.3	7.176	5.074	85.8	2.955	24.97	25.27	25.38	0.299	0.407	33.33	7.752	1.024	893	0
8/2/2014 20:45	73009	15	214	1.307	58.14	10.79	2.602	61.12	5.406	4.728	74.83	3.009	24.37	24.85	25.22	0.48	0.849	35.79	8.27	1.005	893	0
8/2/2014 21:00	73010	15	214	1.502	65.95	11.4	2.912	67.27	5.537	5.433	78.01	4.311	24.13	24.64	25.25	0.51	1.12	37.43	8.72	1.041	893	0
8/2/2014 21:15	73011	15	214	1.574	74.87	8.95	3.012	72.77	4.494	5.502	74.98	2.571	23.93	24.42	25.02	0.49	1.085	38.06	8.79	0.918	893	0
8/2/2014 21:30	73012	15	214	1.492	77.47	10.8	2.986	75.12	5.738	5.937	78.17	2.081	23.52	24.15	24.87	0.629	1.348	39.24	8.88	1.024	893	0
8/2/2014 21:45	73013	15	214	2.134	85.4	10.5	3.573	81.9	7.255	6.102	82.8	3.625	23.66	24.2	24.64	0.539	0.98	39	8.91	0.996	893	0
8/2/2014 22:00	73014	15	214	2.104	82.2	9.95	3.738	79.73	4.931	6.936	80.9	1.593	22.99	23.62	24.44	0.631	1.455	41.02	9.06	1.047	893	0
8/2/2014 22:15	73015	15	214	2.204	84.4	9.35	3.901	82.5	5.775	7.573	85.5	2.203	22.56	23.2	24.49	0.635	1.93	43.09	9.4	1.015	893	0
8/2/2014 22:30	73016	15	214	2.12	89	11.06	3.902	86.4	5.97	7.47	89.1	1.006	22.61	23.17	24.47	0.553	1.86	43.39	9.55	1.15	893	0
8/2/2014 22:45	73017	15	214	2.418	94.5	10.62	3.872	90.6	6.39	7.543	94	1.974	22.86	23.13	24.41	0.271	1.548	42.88	9.6	1.13	893	0
8/2/2014 23:00	73018	15	214	2.547	97.3	11.08	4.006	93.6	6.375	7.582	96.4	1.459	23.31	23.44	24.3	0.132	0.986	41.82	9.63	1.273	893	0
8/2/2014 23:15	73019	15	214	2.689	103.2	10.93	4.184	98.8	6.339	7.441	100.9	1.604	23.56	23.69	24.23	0.128	0.67	41	9.56	1.284	893	0
8/2/2014 23:30	73020	15	214	2.543	98.2	10.18	3.816	95.4	6.043	6.607	97	2.775	23.37	23.45	23.73	0.08	0.352	41.54	9.59	1.084	893	0
8/2/2014 23:45	73021	15	214	2.273	97.4	10.97	3.541	93.8	6.419	6.419	97.3	2.196	23.26	23.37	23.66	0.107	0.396	42.34	9.77	1.019	893	0
8/3/2014 0:00	73022	15	215	2.25	101.2	10.99	3.612	97.6	6.424	6.604	100.4	2.434	23.28	23.4	23.66	0.123	0.388	42.25	9.76	1.141	893	0
8/3/2014 0:15	73023	15	215	2.352	102.4	11.52	3.784	98.7	6.717	6.719	101.4	3.027	23.14	23.34	23.57	0.207	0.439	42.26	9.63	1.213	893	0
8/3/2014 0:30	73024	15	215	2.187	101.9	11.81	3.589	99	6.887	6.517	100.6	2.494	22.85	23.07	23.36	0.221	0.51	43.27	9.73	1.233	893	0
8/3/2014 0:45	73025	15	215	2.117	99.6	10.87	3.499	96.8	6.749	6.674	101.6	3.876	22.62	22.83	23.34	0.218	0.725	44.4	9.9	1.023	893	0
8/3/2014 1:00	73026	15	215	1.785	102.5	11	3.19	100.2	6.448	6.618	106.8	2.446	22.23	22.66	23.5	0.429	1.277	45.49	9.91	1.029	893	0
8/3/2014 1:15	73027	15	215	1.628	105.9	11.45	3.119	102.9	6.309	6.582	108.7	1.849	21.82	22.45	23.57	0.631	1.751	46.38	9.83	1.008	893	0
8/3/2014 1:30	73028	15	215	1.682	105.7	11.72	3.196	102.8	6.439	6.798	107.3	1.919	21.53	22.24	23.48	0.714	1.952	46.89	9.73	1.121	893	0
8/3/2014 1:45	73029	15	215	1.524	112.7	10.99	3.021	107.8	5.948	6.712	111.8	2.015	21.24	21.98	23.4	0.743	2.164	47.45	9.64	1.173	893	0
8/3/2014 2:00	73030	15	215	1.264	111.3	10.59	2.866	106.1	4.918	6.404	116.8	1.568	20.66	21.65	23.49	0.99	2.828	49.27	9.67	1.11	893	0
8/3/2014 2:15	73031	15	215	1.453	96.5	10.42	3.105	99.3	5.625	6.307	116.2	3.845	20.6	21.69	23.42	1.087	2.815	49.58	9.71	1.046	893	0
8/3/2014 2:30	73032	15	215	1.453	96.6	9.95	2.985	101	5.785	6.626	114.3	2.791	20.88	21.76	23.32	0.883	2.442	48.24	9.55	1.134	893	0
8/3/2014 2:45	73033	15	215	1.458	91.9	14.18	2.805	96.7	9.58	6.553	108.7	4.485	21.15	21.79	23.06	0.645	1.918	47.35	9.52	1.201	893	0
8/3/2014 3:00	73034	15	215	1.242	21.09	27.5	2.42	30.58	39.48	4.338	73.07	28.76	19.93	20.45	21.49	0.519	1.565	51.83	9.72	0.944	893	0
8/3/2014 3:15	73035	15	215	1.739	351.1	13.69	3.365	355.2	9.35	3.555	30.29	14.21	19.59	20.26	21.12	0.669	1.523	57.43	10.97	0.78	893	0
8/3/2014 3:30	73036	15	215	1.388	24.54	21.61	2.406	33.88	13.46	4.012	71.38	11.06	20.78	21.48	21.81	0.706	1.036	52.13	10.61	0.884	893	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/3/2014 3:45	73037	15	215	0.788	14.69	21.46	1.524	31.45	12.92	3.728	71.77	9.4	20.81	21.22	21.37	0.413	0.564	51.32	10.41	0.864	893	0
8/3/2014 4:00	73038	15	215	0.939	336.7	19.59	1.604	346.3	29.21	3.172	45	38.21	19.79	20.1	20.88	0.314	1.096	57.81	11.23	0.839	893	0
8/3/2014 4:15	73039	15	215	0.599	15.85	36.98	0.942	323.4	27.32	1.904	328.2	17.76	20.2	20.33	20.76	0.134	0.564	58.19	11.72	0.584	893	0
8/3/2014 4:30	73040	15	215	0.516	27.95	61.13	0.943	332.8	36.81	1.186	26.2	88.8	20.43	21.33	21.21	0.892	0.778	56.19	11.42	0.518	893	0
8/3/2014 4:45	73041	15	215	1.207	113.1	30.2	1.966	105.8	25.56	3.635	102.7	17.34	21.12	21.71	21.78	0.596	0.668	53.38	11.29	0.899	893	0
8/3/2014 5:00	73042	15	215	0.829	169.1	14.18	1.592	157.1	12.75	2.741	119.4	11.05	20.92	21.46	21.48	0.54	0.56	52.84	10.96	0.845	894	0
8/3/2014 5:15	73043	15	215	1.182	130	16	2.333	123.7	10.52	4.129	107.7	5.74	20.89	21.38	21.47	0.491	0.581	53.62	11.14	2.641	894	0
8/3/2014 5:30	73044	15	215	1.547	111.9	11.81	2.733	108.9	6.062	4.808	102.3	3.253	21.17	21.39	21.53	0.219	0.363	52.36	11.05	7.103	894	0
8/3/2014 5:45	73045	15	215	2.037	101.6	11.06	3.285	100.2	6.135	5.517	99.1	2.813	21.43	21.57	21.72	0.141	0.293	51.98	11.18	25.3	894	0
8/3/2014 6:00	73046	15	215	1.954	104.8	12.55	3.146	99.8	8.15	5.641	100.1	3.778	21.8	21.84	21.85	0.04	0.049	51.5	11.38	48.96	894	0
8/3/2014 6:30	73048	15	215	2.172	102.3	12.32	3.282	98.4	7.341	5.355	103.4	4.972	22.22	22.18	22.13	-0.034	-0.089	51.38	11.73	79.32	894	0
8/3/2014 6:45	73049	15	215	2.146	105.1	12.49	3.006	102.3	7.648	4.482	106.6	6.06	22.75	22.57	22.28	-0.185	-0.472	50.75	12.04	136.8	894	0
8/3/2014 7:00	73050	15	215	2.396	101.4	12.18	3.284	97.7	7.48	4.03	100.9	6.315	23.33	23.06	22.59	-0.266	-0.738	49.39	12.15	168.4	894	0
8/3/2014 7:15	73051	15	215	2.281	111	12.22	3.148	105.3	7.339	3.879	104.4	6.923	23.74	23.48	23.07	-0.267	-0.675	48.31	12.2	172	894	0
8/3/2014 7:30	73052	15	215	2.049	117.9	15.79	2.941	113.2	12.25	3.668	114.5	7.439	24.34	24	23.49	-0.349	-0.849	46.57	12.19	216.6	894	0
8/3/2014 7:45	73053	15	215	1.936	130.7	15.86	2.664	125	10.51	3.064	125.9	8.48	24.73	24.35	23.86	-0.384	-0.865	44.04	11.69	267.1	894	0
8/3/2014 8:00	73054	15	215	2.019	151.9	24.89	2.659	144.9	20.96	3.021	141.5	19.34	25.96	25.09	24.43	-0.868	-1.529	39.85	11.26	590.4	894	0
8/3/2014 8:15	73055	15	215	1.911	166.4	30.38	2.516	159.1	23.25	3.027	156.8	16.74	26.09	25.26	24.71	-0.823	-1.38	37.58	10.51	495	894	0
8/3/2014 8:30	73056	15	215	2.354	179.7	26.73	3.076	173.1	22.36	3.662	174.1	14.78	26.47	25.63	24.94	-0.84	-1.527	37.61	10.86	519.9	894	0
8/3/2014 8:45	73057	15	215	2.551	201.6	24.87	3.317	193.6	14.45	3.898	185.8	12.99	27.04	25.87	25	-1.176	-2.048	38.9	11.88	788.6	894	0
8/3/2014 9:00	73058	15	215	2.217	178.8	31.98	2.92	168.3	27.73	3.383	163	21.03	27.25	25.97	25.29	-1.286	-1.965	39.98	12.49	837	894	0
8/3/2014 9:15	73059	15	215	2.549	173.3	22.8	3.274	164.3	19.65	3.901	161.8	15.55	27.67	26.36	25.54	-1.312	-2.128	39.3	12.6	882	894	0
8/3/2014 9:30	73060	15	215	2.807	181.8	21.45	3.589	177	20.48	4.086	173.9	20.1	27.97	26.5	25.65	-1.467	-2.315	38.03	12.36	930	894	0
8/3/2014 9:45	73061	15	215	2.067	176.4	50.08	2.587	170.3	41.22	3.226	165.2	24.19	27.74	26.61	25.87	-1.136	-1.875	38.72	12.44	985	894	0
8/3/2014 10:00	73062	15	215	2.546	168.3	35.58	3.315	165	29.8	4.019	163.6	18.86	28.45	27.12	26.27	-1.331	-2.179	37.45	12.55	947	894	0
8/3/2014 10:15	73063	15	215	2.405	184.6	38.08	3.161	175.9	32.98	3.672	170.8	33.58	28.35	27.04	26.29	-1.301	-2.051	37.56	12.5	762.8	894	0
8/3/2014 10:30	73064	15	215	2.331	83.2	57.75	3.057	78.37	51.96	3.018	85.4	51.98	28.78	27.44	26.59	-1.336	-2.189	34.92	11.78	878	894	0
8/3/2014 10:45	73065	15	215	2.565	139	52.57	3.395	123.9	39.62	4.009	120.9	33.64	29.49	27.98	27.07	-1.516	-2.421	33.39	11.72	1184	894	0
8/3/2014 11:00	73066	15	215	1.75	191.7	78.83	2.131	184.6	75.79	2.256	182.5	71.57	28.63	27.81	27.12	-0.823	-1.514	34.17	11.33	577.1	893	0
8/3/2014 11:15	73067	15	215	2.224	161.7	35.48	2.834	157.7	30.09	3.392	163.9	29.75	28.78	27.77	27.13	-1.014	-1.653	33.44	11.13	471.6	893	0
8/3/2014 11:30	73068	15	215	1.99	159.5	59.64	2.591	155.3	52.38	3.042	152.3	46.75	28.79	27.94	27.29	-0.848	-1.502	34.03	11.4	442	893	0
8/3/2014 11:45	73069	15	215	2.633	125.7	44.64	3.511	122.7	38.35	4.052	116.9	27.93	29.06	28.19	27.51	-0.865	-1.549	32.61	11	454.8	893	0
8/3/2014 12:00	73070	15	215	1.741	110.6	60.98	2.094	103.7	43.3	2.125	117	44.62	29.24	28.37	27.68	-0.869	-1.555	32.32	11.01	581.1	893	0
8/3/2014 12:15	73071	15	215	1.703	119.1	77.64	2.049	113.9	75.75	2.41	108.4	47.62	29.01	28.39	27.77	-0.614	-1.236	32.15	10.73	479.1	893	0
8/3/2014 12:30	73072	15	215	1.691	117.5	60.68	2.152	117.7	42.92	2.549	113.1	29.61	29.3	28.42	27.89	-0.88	-1.415	31.63	10.75	568.7	893	0
8/3/2014 12:45	73073	15	215	2.372	118.9	35.77	3.067	114.2	22.63	3.408	121.7	19.76	29.83	28.76	27.96	-1.068	-1.87	30.57	10.69	700.8	893	0
8/3/2014 13:00	73074	15	215	1.418	101.1	88.7	1.818	93.8	82.5	1.865	144.1	72.38	29.72	28.97	28.35	-0.755	-1.373	30.97	10.79	648	893	0
8/3/2014 13:15	73075	15	215	1.714	89.3	61.47	2.18	81.5	51.33	2.443	90.7	34.42	29.61	28.91	28.32	-0.698	-1.287	30.6	10.52	486.5	892	0
8/3/2014 13:30	73076	15	215	1.893	92.5	28.65	2.409	91.8	24.54	2.661	91.1	20.43	29.76	29.04	28.39	-0.721	-1.37	30.15	10.42	377.7	892	0
8/3/2014 13:45	73077	15	215	1.872	111.9	47.09	2.542	113.9	34.45	3	103.9	23.29	29.84	29.19	28.55	-0.651	-1.283	30.59	10.71	397.1	892	0
8/3/2014 14:00	73078	15	215	1.358	115	55.95	1.834	113.3	46.36	2.142	111	39.89	29.9	29.24	28.53	-0.661	-1.369	30.13	10.54	422	892	0
8/3/2014 14:15	73079	15	215	1.65	137.2	59.74	2.215	131.5	49.13	2.719	140.9	42.58	30.1	29.39	28.76	-0.711	-1.345	29.96	10.62	412	892	0
8/3/2014 14:30	73080	15	215	1.644	167.1	62.86	2.101	142.6	60.84	2.483	115.9	35.52	30.15	29.42	28.69	-0.728	-1.457	29.18	10.27	507.4	892	0
8/3/2014 14:45	73081	15	215	1.656	140.8	44.2	2.018	131.8	31.09	1.758	102	47.54	30.21	29.55	29.05	-0.653	-1.155	28.73	10.08	605.9	892	0
8/3/2014 15:00	73082	15	215	1.714	112.8	50.75	2.116	112.1	40.67	2.324	120.1	33.16	30.37	29.67	29.05	-0.699	-1.318	28.09	9.88	610.4	891	0
8/3/2014 15:15	73083	15	215	2.083	172.2	63.51	2.496	162	57.85	2.929	147.6	31.74	31.23	30.29	29.47	-0.941	-1.753	27.07	10.05	818	891	0
8/3/2014 15:30	73084	15	215	2.521	163.6	61.38	3.099	159.9	60.91	3.353	156.8	45.97	31.5	30.29	29.42	-1.208	-2.075	26.03	9.71	884	891	0
8/3/2014 15:45	73085	15	215	2.067	141.9	50.49	2.467	136.1	52.88	3	127.7	48.65	31.58	30.57	29.79	-1.012	-1.783	25.34	9.37	852	891	0
8/3/2014 16:00	73086	15	215	2.36	95.3	47.78	3.201	81.5	49.43	3.628	78.97	39.16	31.69	30.51	29.63	-1.183	-2.059	24.06	8.71	729.9	891	0
8/3/2014 16:15	73087	15	215	2.41	123.3	38.87	3.462	117.5	36.57	4.003	111.6	31.42	31.28	30.5	29.89	-0.778	-1.396	24.21	8.45	333	891	0
8/3/2014 16:30	73088	15	215	2.467	122.4	29.98	3.357	115.4	23.25	4.084	105.5	16.36	31.62	30.72	29.99	-0.898	-1.633	23.08	8.04	470.5	891	0
8/3/2014 16:45	73089	15	215	2.029	107.3	38.11	2.681	102.3	33.44	3.325	103.5	36.01	31.62	30.82	30.11	-0.801	-1.514	23.29	8.17	513.7	890	0
8/3/2014 17:00	73090	15	215	2.413	117.9	27.22	3.242	113.2	22.08	3.855	107.4	20.86	31.66	30.89	30.17	-0.77	-1.488	22.84	7.909	431.7	890	0
8/3/2014 17:15	73091	15	215	2.139	112.6	18.74	3.062	109.5	13.02	3.62	106.3	10.41	30.65	30.38	29.91	-0.272	-0.742	23.62	7.563	135.5	890	0
8/3/2014 17:30	73092	15	215	1.76	127.7	42.75	2.414	118.7	39.63	2.962	112.4	38.73	30.89	30.44	29.92	-0.45	-0.972	23.89	7.933	255.6	890	0
8/3/2014 17:45	73093	15	215	1.578	151.3	81.5	2.006	149.6	59.13	2.619	142.4	51.8	30.83	30.52	29.99	-0.305	-0.835	23.95	7.914	281.6	890	0
8/3/2014 18:00	73094	15	215	3.251	106.8	14.79	4.742	102.7	8.52	5.68	97.3	5.826	31.06	30.67	30.04	-0.389	-1.021	23.45	7.797	210.7	890	0
8/3/2014 18:15	73095	15	215	2.886	110.3	20.41	4.34	104.5	17.71	5.464	102.8	11.54	30.48	30.38	29.91	-0.1	-0.565	24.04	7.676	99.2	890	0
8/3/2014 18:30	73096	15	215	2.825	120.2	14.81	4.36	114.8	10.68	5.715	110.8	8.05	30.17	30.2	29.8	0.027	-0.369	24.58	7.748	51.57	890	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/3/2014 18:45	73097	15	215	2.95	111.6	13.98	4.386	107.3	9.18	5.846	103	5.776	29.81	29.93	29.62	0.123	-0.183	25.06	7.724	24.2	891	0
8/3/2014 19:00	73098	15	215	2.317	114.5	11.99	3.721	110.8	6.817	5.709	108.3	3.668	29.07	29.42	29.35	0.347	0.276	26.16	7.733	4.835	891	0
8/3/2014 19:15	73099	15	215	1.89	113.5	10.67	3.359	110.2	5.497	5.929	106	3.271	28	28.72	29.03	0.723	1.033	28.05	7.838	1.144	891	0
8/3/2014 19:30	73100	15	215	2.112	112.5	10.88	3.817	108.9	5.666	6.668	107.8	3.444	27.64	28.27	28.75	0.63	1.109	28.82	7.928	1.002	891	0
8/3/2014 19:45	73101	15	215	1.66	114.4	10.28	3.339	111.7	4.093	6.443	111.8	1.211	26.73	27.56	28.36	0.837	1.638	30.54	7.992	1.037	891	0
8/3/2014 20:00	73102	15	215	1.78	108.5	11.05	3.615	106.8	5.257	7.201	110.6	1.365	26.23	27.07	28.48	0.835	2.246	31.78	8.15	1.123	891	0
8/3/2014 20:15	73103	15	215	2.056	105.7	12.36	3.872	104.5	6.966	7.816	108.9	2.508	25.94	26.66	28.12	0.712	2.173	32.49	8.23	1.05	892	0
8/3/2014 20:30	73104	15	215	2.63	106	11.54	4.327	102.3	6.256	8.74	106.2	2.796	26.17	26.71	28.44	0.544	2.273	32.17	8.27	1.168	892	0
8/3/2014 20:45	73105	15	215	2.389	109.5	11.52	4.078	104.8	6.648	8.31	110.8	1.222	25.8	26.34	28.03	0.547	2.232	32.79	8.23	1.204	892	0
8/3/2014 21:00	73106	15	215	2.263	109.1	12.15	4.022	105.6	6.526	8.24	107.9	2.162	25.36	26.03	27.41	0.675	2.048	33.95	8.36	1.261	892	0
8/3/2014 21:15	73107	15	215	2.8	103.5	11.15	4.607	100.5	6.468	8.64	106.7	2.348	25.48	26	27.12	0.52	1.644	33.58	8.31	1.37	892	0
8/3/2014 21:30	73108	15	215	2.58	114.7	12.61	4.345	109.9	7.716	8.33	109.7	3.017	25.24	25.81	26.82	0.573	1.581	33.75	8.17	1.333	892	0
8/3/2014 21:45	73109	15	215	2.24	116.7	11.18	3.965	113.2	5.726	7.515	113.7	1.738	24.64	25.28	26.22	0.647	1.587	34.84	8.11	1.031	892	0
8/3/2014 22:00	73110	15	215	2.316	107.5	10.76	4.251	106.2	5.729	7.988	112.9	2.599	24.22	24.95	26.34	0.731	2.116	35.86	8.17	1.268	892	0
8/3/2014 22:15	73111	15	215	2.392	119.7	11.91	4.259	115.1	6.355	8.17	115.3	2.227	24.39	25.07	26.24	0.676	1.845	35.48	8.16	1.447	892	0
8/3/2014 22:30	73112	15	215	2.214	114.4	11.6	4.114	110.9	6.199	7.777	114.9	2.595	23.98	24.72	25.91	0.741	1.926	36.31	8.14	1.337	892	0
8/3/2014 22:45	73113	15	215	2.345	113.8	11.52	4.27	110.9	5.325	8.01	116.8	1.829	23.78	24.49	25.79	0.714	2.015	36.95	8.22	1.319	892	0
8/3/2014 23:00	73114	15	215	2.518	112	10.91	4.536	108.2	5.898	8.42	116.1	2.033	23.67	24.28	25.71	0.616	2.042	37.26	8.24	1.366	892	0
8/3/2014 23:15	73115	15	215	2.396	109.7	11.48	4.204	106.4	5.887	8.42	115.2	1.811	23.33	23.93	25.49	0.596	2.151	37.85	8.18	1.194	892	0
8/3/2014 23:30	73116	15	215	2.262	110.8	11.61	4.126	106.7	6.827	8.37	114.9	1.586	23.01	23.62	25.24	0.61	2.225	38.93	8.31	1.269	892	0
8/3/2014 23:45	73117	15	215	2.481	115.1	11.27	4.21	110.8	6.454	8.34	117.9	1.583	22.87	23.42	24.87	0.553	2.006	39.41	8.36	1.437	892	0
8/4/2014 0:00	73118	15	216	2.455	114.3	11.06	4.187	109.6	5.875	8.21	117.6	1.531	22.52	23.05	24.52	0.534	2	40.42	8.42	1.277	892	0
8/4/2014 0:15	73119	15	216	2.457	113	11.57	4.252	110.2	5.718	8.29	119.3	2.09	22.27	22.82	24.31	0.551	2.043	41.46	8.57	1.186	892	0
8/4/2014 0:30	73120	15	216	2.425	108.8	11.62	4.301	106.9	5.726	8.24	119.3	2.171	22	22.59	24.12	0.583	2.117	42.58	8.72	1.063	892	0
8/4/2014 0:45	73121	15	216	2.558	111.9	11.78	4.401	110.2	5.996	8.56	120.7	2.611	21.99	22.55	23.94	0.554	1.949	43.13	8.91	1.382	892	0
8/4/2014 1:00	73122	15	216	2.522	116.4	11.56	4.382	114.3	6.434	8.15	122	3.278	21.9	22.47	23.6	0.573	1.699	43.89	9.08	1.231	892	0
8/4/2014 1:15	73123	15	216	2.597	119.1	10.85	4.548	115.7	5.733	7.817	124	2.982	21.94	22.57	23.58	0.63	1.639	44.48	9.32	1.098	892	0
8/4/2014 1:30	73124	15	216	2.509	118.1	11.37	4.555	116.1	5.289	7.807	125.4	3.459	21.86	22.56	23.56	0.703	1.697	45.12	9.46	1.207	892	0
8/4/2014 1:45	73125	15	216	2.583	117.2	10.9	4.549	114.3	5.38	7.748	123	3.108	21.77	22.41	23.38	0.635	1.603	45.82	9.61	1.143	892	0
8/4/2014 2:00	73126	15	216	2.652	118.1	10.68	4.55	114.2	5.766	7.934	122.3	3.391	21.64	22.22	23.21	0.579	1.569	46.63	9.75	1.321	892	0
8/4/2014 2:15	73127	15	216	2.4	109.9	11.3	4.216	108.2	6.258	7.811	118.7	2.151	21.06	21.58	22.77	0.519	1.714	48.16	9.69	1.215	892	0
8/4/2014 2:30	73128	15	216	2.332	109.1	12.04	4.182	107.1	6.108	7.851	119.4	2.277	20.61	21.14	22.45	0.535	1.838	49.65	9.73	1.286	892	0
8/4/2014 2:45	73129	15	216	2.436	112.9	11.45	4.352	110	6.284	7.895	120.9	2.144	20.62	21.11	22.25	0.493	1.626	49.75	9.78	1.326	892	0
8/4/2014 3:00	73130	15	216	2.384	117.2	12.21	4.28	113.6	5.938	7.967	123.9	2.417	20.56	21.06	22.2	0.502	1.637	50.15	9.84	1.331	892	0
8/4/2014 3:15	73131	15	216	2.465	113.9	11.81	4.382	111.8	5.859	8.02	124.6	2.521	20.44	20.99	22.3	0.551	1.859	50.69	9.89	1.201	892	0
8/4/2014 3:30	73132	15	216	2.621	113.6	11.3	4.523	111	5.518	8.11	122.6	2.467	20.36	20.87	22.16	0.505	1.795	51.05	9.93	1.225	892	0
8/4/2014 3:45	73133	15	216	2.773	115.1	11.51	4.714	112.8	5.765	8.23	123.6	3.254	20.44	20.94	22.12	0.502	1.679	50.95	9.96	1.463	892	0
8/4/2014 4:00	73134	15	216	2.732	115.6	11.71	4.746	112.3	5.91	8.1	122.3	3.196	20.38	20.88	21.95	0.498	1.569	51.13	9.97	1.232	892	0
8/4/2014 4:15	73135	15	216	2.877	114	11.67	4.952	112.5	5.637	8.47	122.3	3.574	20.37	20.86	22	0.49	1.627	51.5	10.06	1.259	892	0
8/4/2014 4:30	73136	15	216	2.863	114.5	11.72	5.005	112	6.129	8.53	121	3.485	20.38	20.87	21.96	0.49	1.579	51.65	10.12	1.324	892	0
8/4/2014 4:45	73137	15	216	3.054	115.2	11.18	5.035	112	6.119	8.53	119.8	2.989	20.34	20.77	21.77	0.436	1.438	51.91	10.15	1.388	892	0
8/4/2014 5:00	73138	15	216	3.102	117.1	11.16	5.055	113.6	5.904	8.55	121.6	2.599	20.33	20.75	21.77	0.426	1.443	51.84	10.12	1.523	892	0
8/4/2014 5:15	73139	15	216	2.878	112.3	10.71	4.734	109.8	5.917	8.51	119.1	2.582	19.89	20.29	21.49	0.401	1.599	53.06	10.06	4.603	892	0
8/4/2014 5:30	73140	15	216	2.864	112.3	11.69	4.695	109.7	6.118	8.46	117.2	2.449	19.79	20.17	21.27	0.38	1.481	53.68	10.14	15	892	0
8/4/2014 5:45	73141	15	216	2.675	116.8	11.4	4.337	112.5	6.676	8.25	115.9	3.244	20.05	20.38	21.27	0.329	1.225	53.06	10.21	34.74	892	0
8/4/2014 6:00	73142	15	216	2.768	121.6	12.24	4.522	116	7.038	7.997	121.2	3.947	20.62	20.9	21.59	0.28	0.97	51.49	10.28	55.87	892	0
8/4/2014 6:15	73143	15	216	3.01	123.2	12.41	4.623	118	7.6	7.652	121.6	3.856	21.27	21.27	21.54	0.008	0.274	49.85	10.4	129.3	893	0
8/4/2014 6:30	73144	15	216	3.114	126.6	12.25	4.669	121.4	8.29	6.987	123.9	5.535	22.05	21.79	21.63	-0.263	-0.425	48.1	10.58	221	893	0
8/4/2014 6:45	73145	15	216	3.049	133.4	13.54	4.317	128	8.33	5.931	126.7	6.439	23.03	22.59	22.18	-0.438	-0.851	46.11	10.84	287	893	0
8/4/2014 7:00	73146	15	216	3.31	143.2	15.92	4.835	136	9.92	5.703	132.9	7.901	24.24	23.68	23.17	-0.559	-1.065	43.51	11.06	342.3	893	0
8/4/2014 7:15	73147	15	216	3.391	151	15.8	4.806	146.1	11.07	6.125	145.2	7.571	25.39	24.69	23.96	-0.702	-1.438	41.03	11.22	413.7	893	0
8/4/2014 7:30	73148	15	216	4.071	158.4	16.02	5.946	152.5	11.33	6.917	152.5	8.32	25.78	24.91	24.24	-0.872	-1.543	40.02	11.19	471	893	0
8/4/2014 7:45	73149	15	216	4.276	160.8	15.42	6.12	153.8	11.56	7.082	149.7	7.414	26.05	25.16	24.41	-0.891	-1.646	39.88	11.38	477.8	893	0
8/4/2014 8:00	73150	15	216	4.072	155.9	14.35	5.744	149.3	9.58	6.692	144.5	6.881	26.27	25.25	24.46	-1.025	-1.814	39.79	11.54	554.9	893	0
8/4/2014 8:15	73151	15	216	3.879	151.8	16.98	5.432	144.5	10.95	6.37	143.5	9.15	26.84	25.65	24.79	-1.192	-2.049	38.76	11.65	611.3	893	0
8/4/2014 8:30	73152	15	216	3.751	160.5	15.39	5.292	153.5	12.16	6.218	148.8	9.17	27.67	26.32	25.45	-1.348	-2.22	36.86	11.62	720.2	893	0
8/4/2014 8:45	73153	15	216	3.491	148.7	19.15	4.771	143	12.88	5.451	142.4	11.69	28.22	26.73	25.86	-1.492	-2.362	35.74	11.64	798.9	893	0
8/4/2014 9:00	73154	15	216	3.459	158.7	21.63	4.501	152.3	18.57	5.479	148.4	12.01	28.76	27.2	26.21	-1.566	-2.553	35.18	11.88	854	893	0
8/4/2014 9:15	73155	15	216	3.457	175.8	19.98	4.647	168.7	14.84	5.312	164	10.08	28.86	27.27	26.3	-1.586	-2.563	34.15	11.52	864	893	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/4/2014 9:30	73156	15	216	3.093	175.5	23.01	3.987	169.7	18.92	4.449	169.3	14.1	29.09	27.48	26.71	-1.609	-2.374	33.53	11.44	920	893	0
8/4/2014 9:45	73157	15	216	3.321	180.4	24.48	4.36	173.5	20.82	4.806	169.9	14.89	29.44	27.86	26.93	-1.586	-2.509	32.37	11.22	994	893	0
8/4/2014 10:00	73158	15	216	3.052	162.4	24	3.975	155.3	19.98	4.583	152.9	18.01	29.83	28.12	27.27	-1.706	-2.565	30.7	10.76	1039	893	0
8/4/2014 10:15	73159	15	216	2.302	170	34.63	3.037	161.4	34.04	3.724	160.4	28.07	30.13	28.74	27.58	-1.393	-2.545	29.79	10.55	1095	893	0
8/4/2014 10:30	73160	15	216	2.788	186.6	34.19	3.506	181.4	28.26	3.962	176.3	19.05	30.12	28.61	27.74	-1.509	-2.377	28.66	9.97	1107	893	0
8/4/2014 10:45	73161	15	216	3.009	169.1	29.79	3.963	160.9	24.56	4.632	157.4	22.17	30.82	29.07	28.11	-1.747	-2.712	27.26	9.82	1015	893	0
8/4/2014 11:00	73162	15	216	2.228	164.8	62	2.946	153	58.92	3.297	144.3	53.53	30.47	29	28.15	-1.473	-2.318	27.54	9.68	1072	893	0
8/4/2014 11:15	73163	15	216	2.246	180.5	68.62	2.73	169.9	62.42	2.92	154.3	47.96	30.11	29.02	28.31	-1.089	-1.802	27.36	9.27	1099	892	0
8/4/2014 11:30	73164	15	216	2.55	149.8	48.55	3.266	141.2	39.07	3.899	129.7	32.33	31.18	29.65	28.9	-1.537	-2.286	26.41	9.66	1128	892	0
8/4/2014 11:45	73165	15	216	2.826	126.5	27.99	3.834	119.3	21.33	4.59	121.8	22.42	31.14	29.64	28.72	-1.505	-2.427	25.87	9.32	979	892	0
8/4/2014 12:00	73166	15	216	3.57	140.7	31.29	4.648	136	28.67	5.389	135.6	24.4	31.86	29.93	28.81	-1.926	-3.051	25.1	9.46	1121	892	0
8/4/2014 12:15	73167	15	216	2.874	154.6	30.28	3.625	147.9	28.93	4.227	141.7	30.27	31.44	29.76	28.96	-1.682	-2.484	25.03	9.08	1056	892	0
8/4/2014 12:30	73168	15	216	2.544	129	37.33	3.226	120.2	28.29	3.886	112.1	17.74	31.44	29.89	29.05	-1.546	-2.386	25.57	9.39	1311	892	0
8/4/2014 12:45	73169	15	216	2.627	143.1	45.07	3.409	138.6	40.7	4.115	133.3	36.08	32.09	30.25	29.37	-1.835	-2.721	24.14	9.09	1205	891	0
8/4/2014 13:00	73170	15	216	3.166	87.2	26.31	4.234	80.2	22.14	5.037	75.21	16.74	31.58	30.28	29.34	-1.301	-2.235	23.67	8.37	681.3	891	0
8/4/2014 13:15	73171	15	216	2.537	132.6	55.46	3.368	129.1	50.51	4.089	122.5	43.7	32.47	30.79	29.74	-1.683	-2.729	22.79	8.55	1264	891	0
8/4/2014 13:30	73172	15	216	3.268	137.2	27.86	4.332	135.3	20.59	5.096	130.5	21.59	33.1	31.3	30.19	-1.808	-2.913	21.73	8.38	1045	891	0
8/4/2014 13:45	73173	15	216	3.24	136.4	46.06	4.191	133	42.4	4.889	127.2	35.23	32.89	31.15	30.09	-1.737	-2.801	22.13	8.47	1188	891	0
8/4/2014 14:00	73174	15	216	3.065	132.8	36.84	3.929	126.9	30.9	4.716	123.1	23.79	32.74	31.03	29.98	-1.713	-2.762	21.92	8.2	1165	890	0
8/4/2014 14:15	73175	15	216	2.575	171.2	48.95	3.308	155.1	45.13	4.007	134	27.21	32.85	31.08	30.19	-1.767	-2.657	21.56	8.05	1114	890	0
8/4/2014 14:30	73176	15	216	2.982	150	29.8	3.893	146	27.34	4.602	142.5	29.33	33.11	31.45	30.3	-1.667	-2.814	20.82	7.751	1055	890	0
8/4/2014 14:45	73177	15	216	2.956	160.6	38.07	3.848	156.7	31.94	4.267	144	26.85	32.89	31.2	30.32	-1.692	-2.565	21.34	7.931	981	890	0
8/4/2014 15:00	73178	15	216	3.043	128.8	38.87	4.023	120.8	30.31	4.51	112.1	21.78	32.84	31.18	30.47	-1.658	-2.368	21.57	8.05	966	890	0
8/4/2014 15:15	73179	15	216	4.055	112.6	32.4	5.48	106.3	29.79	6.598	104.9	25.11	32.91	31.37	30.42	-1.543	-2.489	21.49	8.05	710	890	0
8/4/2014 15:30	73180	15	216	2.287	103.3	64.8	3.012	96.6	57.7	3.598	101.2	48.15	32.58	31.27	30.46	-1.311	-2.117	22.44	8.41	834	890	0
8/4/2014 15:45	73181	15	216	3.288	128.2	22.22	4.55	120.5	19.24	5.41	117.6	14.49	33.14	31.59	30.55	-1.549	-2.589	21.76	8.42	788.4	889	0
8/4/2014 16:00	73182	15	216	3.283	157.4	26.83	4.246	150.1	20.56	4.864	143.7	16.37	33.03	31.52	30.63	-1.506	-2.397	21.29	8.01	711.2	889	0
8/4/2014 16:15	73183	15	216	3.309	151.3	31.04	4.431	145.8	25.38	5.23	139.2	21.72	32.97	31.54	30.76	-1.426	-2.209	21.45	8.07	647.7	889	0
8/4/2014 16:30	73184	15	216	2.53	131.7	31.85	3.393	126.8	28.39	4.045	123.4	26.19	32.65	31.44	30.69	-1.211	-1.96	21.76	8.03	576.2	889	0
8/4/2014 16:45	73185	15	216	3.344	145.6	20.5	4.527	139.4	16.49	5.306	136.7	14.78	32.8	31.61	30.81	-1.192	-1.992	20.92	7.571	521.7	889	0
8/4/2014 17:00	73186	15	216	2.527	148.3	28.68	3.504	140.8	24.59	4.313	136.3	20.43	32.54	31.51	30.73	-1.025	-1.806	20.35	6.944	437.5	889	0
8/4/2014 17:15	73187	15	216	2.964	133.4	33.41	4.196	128	27.18	5.017	129.1	24.17	32.44	31.55	30.83	-0.889	-1.606	20.16	6.726	348.2	889	0
8/4/2014 17:30	73188	15	216	3.046	126.6	21.1	4.436	123	15.55	4.985	123.3	15.74	32.19	31.42	30.81	-0.773	-1.38	19.52	6.058	303	889	0
8/4/2014 17:45	73189	15	216	2.561	145.8	23.28	3.566	139.1	19.21	4.326	137.4	17.37	32.05	31.47	30.81	-0.587	-1.241	19.77	6.131	238.9	889	0
8/4/2014 18:00	73190	15	216	2.952	154.1	15.38	4.305	147.3	12.22	5.25	141.6	10.12	31.32	31.19	30.72	-0.125	-0.597	20.7	6.19	72.93	889	0
8/4/2014 18:15	73191	15	216	2.916	141.7	12.2	4.394	136.2	7.203	5.56	133.2	4.644	30.91	30.96	30.58	0.05	-0.333	20.94	6.02	56.53	890	0
8/4/2014 18:30	73192	15	216	2.392	138.5	14.17	3.787	132.6	9.06	5.05	129.1	5.775	30.56	30.77	30.48	0.21	-0.078	22.05	6.486	44.4	890	0
8/4/2014 18:45	73193	15	216	1.884	134	10.68	3.154	130.8	5.974	4.841	130.6	4.243	29.96	30.42	30.36	0.454	0.398	23	6.6	22.12	890	0
8/4/2014 19:00	73194	15	216	1.586	133.1	10.13	3.047	129.1	5.582	5.333	127.3	3.827	29.1	29.96	30.22	0.854	1.114	24.13	6.574	3.908	890	0
8/4/2014 19:15	73195	15	216	1.365	120.8	11.07	3.021	121.9	5.378	5.158	124	4.47	28.12	29.48	30.05	1.361	1.934	25.8	6.716	1.302	890	0
8/4/2014 19:30	73196	15	216	1.622	110.2	9.94	3.558	112.2	3.309	5.893	119.9	3.333	27.34	28.79	29.66	1.45	2.323	27.65	7.067	0.904	890	0
8/4/2014 19:45	73197	15	216	1.649	113.3	9.02	3.561	114.1	4.053	6.842	125.7	1.232	26.97	28.16	29.5	1.195	2.536	28.89	7.387	1.162	890	0
8/4/2014 20:00	73198	15	216	1.737	120.4	9.58	3.486	118	4.233	7.394	126.8	1.778	26.63	27.61	29.18	0.976	2.547	29.86	7.582	1.249	890	0
8/4/2014 20:15	73199	15	216	1.747	120.6	10.91	3.583	118.5	4.354	7.495	128	1.371	26.18	27.18	28.98	0.998	2.801	30.63	7.57	1.264	891	0
8/4/2014 20:30	73200	15	216	1.707	116.8	9.65	3.588	115.3	3.885	7.561	123.6	1.393	25.73	26.82	28.58	1.089	2.852	31.28	7.486	1.136	891	0
8/4/2014 20:45	73201	15	216	1.863	117.1	9.71	3.82	116	4.293	8.07	125.4	1.649	25.54	26.62	28.56	1.082	3.021	31.88	7.597	1.341	891	0
8/4/2014 21:00	73202	15	216	2.063	119.3	11.06	3.878	116.9	5.388	7.967	122.8	2.305	25.64	26.46	27.97	0.82	2.323	31.61	7.564	1.242	891	0
8/4/2014 21:15	73203	15	216	2.005	119.3	11.14	3.825	117.7	5.133	7.655	124	2.074	25.6	26.43	27.76	0.834	2.161	31.65	7.546	1.19	891	0
8/4/2014 21:30	73204	15	216	2.111	120.8	10.74	3.976	118.7	5.338	7.529	124.1	2.585	25.67	26.47	27.49	0.794	1.82	31.52	7.545	1.273	891	0
8/4/2014 21:45	73205	15	216	2.304	119.8	11.62	3.996	116.9	5.736	7.645	121.7	2.643	25.67	26.31	27.27	0.65	1.601	31.39	7.477	1.275	891	0
8/4/2014 22:00	73206	15	216	2.165	121.5	10.55	3.911	118.3	5.525	7.636	122.2	2.291	25.28	25.97	27.04	0.684	1.757	31.97	7.413	1.272	891	0
8/4/2014 22:15	73207	15	216	2.173	120.8	10.79	3.937	118.1	5.847	7.885	123.4	2.782	25	25.72	26.89	0.723	1.885	32.87	7.576	1.319	891	0
8/4/2014 22:30	73208	15	216	2.276	119.3	11.51	4.058	116.3	5.842	7.612	120.9	2.735	25.07	25.71	26.59	0.644	1.522	33.07	7.726	1.231	891	0
8/4/2014 22:45	73209	15	216	2.206	108.5	11.68	4.012	105.9	7.295	7.347	114.4	3.961	24.58	25.18	26.16	0.598	1.581	34.29	7.824	1.311	891	0
8/4/2014 23:00	73210	15	216	2.511	111.4	10.58	4.204	107.4	6.01	7.763	113.5	3.5	24.44	24.94	25.84	0.495	1.4	34.75	7.901	1.208	891	0
8/4/2014 23:15	73211	15	216	2.475	115.1	10.49	4.16	110.8	5.602	8.2	116	2.041	23.93	24.46	25.67	0.523	1.733	35.86	7.918	1.358	891	0
8/4/2014 23:30	73212	15	216	2.437	115.1	10.88	4.355	111.6	5.871	8.35	118.4	2.714	23.81	24.36	25.5	0.547	1.684	36.19	7.943	1.398	891	0
8/4/2014 23:45	73213	15	216	2.563	120.1	11.89	4.504	116	5.797	8.36	122.5	2.594	23.89	24.46	25.55	0.567	1.662	36.22	8.03	1.299	891	0
8/5/2014 0:00	73214	15	217	2.486	121.6	11.6	4.276	118.9	6.17	7.875	124.1	3.298	23.84	24.42	25.3	0.579	1.462	36.38	8.04	1.174	891	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/5/2014 0:15	73215	15	217	2.786	126.1	12.32	4.789	122.9	6.925	8.3	126.5	4.35	24.14	24.65	25.23	0.515	1.093	35.79	8.07	1.368	891	0
8/5/2014 0:30	73216	15	217	2.975	131.1	11.67	4.836	126.6	6.896	8.08	127	4.411	24.19	24.65	24.98	0.454	0.786	35.58	8.03	1.332	891	0
8/5/2014 0:45	73217	15	217	2.846	130.4	11.22	4.732	125.3	6.879	7.991	127.7	4.236	23.87	24.34	24.68	0.47	0.811	36.53	8.13	1.351	891	0
8/5/2014 1:00	73218	15	217	2.912	132	12.16	4.698	127.3	6.954	7.957	129.9	4.411	23.65	24.08	24.45	0.434	0.799	37.18	8.19	1.366	891	0
8/5/2014 1:15	73219	15	217	3.174	133.3	11.06	5.021	129.3	6.644	8.45	131.4	4.097	23.56	23.99	24.38	0.429	0.814	37.45	8.23	1.397	891	0
8/5/2014 1:30	73220	15	217	3.265	134.4	11.06	5.076	129.6	6.668	8.68	132.8	3.953	23.41	23.81	24.25	0.395	0.834	37.8	8.23	1.623	891	0
8/5/2014 1:45	73221	15	217	3.316	138.5	12.47	5.27	133.5	6.936	8.88	134.6	3.769	23.33	23.72	24.13	0.386	0.799	38.25	8.33	1.479	891	0
8/5/2014 2:00	73222	15	217	3.067	137.5	11.96	4.97	133.4	7.322	8.79	135.6	4.33	23.27	23.67	24.15	0.4	0.879	38.76	8.47	1.54	891	0
8/5/2014 2:15	73223	15	217	3.221	136.4	11.86	5.136	131.1	7.512	8.81	134.8	4.356	23.3	23.67	24.13	0.377	0.831	39.04	8.6	1.457	891	0
8/5/2014 2:30	73224	15	217	3.265	134.1	10.98	5.268	128.9	6.835	8.92	133.1	3.712	23.17	23.55	24.02	0.382	0.854	39.46	8.65	1.405	891	0
8/5/2014 2:45	73225	15	217	3.283	134.8	12.44	5.174	129.1	6.803	8.78	131.8	3.668	23.05	23.41	23.83	0.352	0.775	39.89	8.7	1.309	891	0
8/5/2014 3:00	73226	15	217	3.17	134.9	12.31	5.034	129.3	6.697	8.66	131.5	4.062	22.97	23.33	23.73	0.362	0.76	40.16	8.73	1.36	891	0
8/5/2014 3:15	73227	15	217	3.249	135.3	11.81	4.927	130	7.458	8.12	131.1	4.805	23.11	23.43	23.75	0.322	0.644	39.96	8.78	1.244	891	0
8/5/2014 3:30	73228	15	217	2.801	133.6	11.75	4.45	127.6	7.403	7.531	129.7	4.46	22.96	23.33	23.67	0.365	0.707	40.34	8.79	1.28	891	0
8/5/2014 3:45	73229	15	217	2.384	133.8	12.29	3.994	127.5	6.666	6.903	130.4	3.9	22.69	23.04	23.43	0.347	0.743	40.97	8.77	1.129	891	0
8/5/2014 4:00	73230	15	217	2.142	134.1	12.22	3.733	127.6	6.156	6.782	131.7	3.423	22.43	22.79	23.26	0.357	0.83	41.95	8.89	1.087	891	0
8/5/2014 4:15	73231	15	217	2.13	128.8	11.02	3.685	123.3	6.007	6.571	128.6	3.281	22.3	22.68	23.23	0.381	0.925	42.48	8.96	1.104	891	0
8/5/2014 4:30	73232	15	217	1.974	129.7	11.28	3.576	122.6	6.13	6.468	128.7	3.077	22.11	22.49	23.13	0.387	1.027	43.09	8.99	1.139	891	0
8/5/2014 4:45	73233	15	217	1.892	133	12.25	3.455	125.3	5.97	6.413	129.2	2.63	22.02	22.41	23.07	0.388	1.045	43.49	9.05	0.911	891	0
8/5/2014 5:00	73234	15	217	1.505	133.6	11.87	2.937	125.9	7.259	6.128	129.6	2.89	21.84	22.24	22.94	0.404	1.102	44.11	9.1	1.113	891	0
8/5/2014 5:15	73235	15	217	1.562	131.5	11.9	2.853	124.3	7.822	6.147	128	2.976	21.83	22.18	22.92	0.351	1.094	44.49	9.22	10.53	891	0
8/5/2014 5:30	73236	15	217	1.958	124.6	13.23	3.488	120.1	7.291	6.565	127.2	3.161	22.21	22.52	23.11	0.312	0.897	43.83	9.34	36	892	0
8/5/2014 5:45	73237	15	217	2.194	124	12.55	3.609	118.3	7.5	6.416	124.2	3.235	22.52	22.73	23.03	0.207	0.508	43.57	9.53	67.72	892	0
8/5/2014 6:00	73238	15	217	2.261	127.8	12.2	3.808	121.7	7.028	6.353	125.4	3.209	22.69	22.75	22.87	0.052	0.178	43.96	9.82	104.1	892	0
8/5/2014 6:15	73239	15	217	2.663	130	11.71	3.93	123.3	7.109	6.249	125.2	3.207	23.08	23	22.84	-0.08	-0.237	43.52	10.02	122.8	892	0
8/5/2014 6:30	73240	15	217	2.847	129.3	11.87	4.166	123	6.728	6.163	124.9	3.559	23.56	23.25	22.96	-0.314	-0.608	43.09	10.31	221	892	0
8/5/2014 6:45	73241	15	217	3.14	130.3	12.37	4.438	124.7	7.436	5.791	127.5	5.584	24.47	23.95	23.42	-0.523	-1.051	41.79	10.66	317.3	892	0
8/5/2014 7:00	73242	15	217	3.243	139.1	13.31	4.583	134.6	9.32	5.642	135.1	6.817	25.79	25	24.31	-0.791	-1.485	40.33	11.32	426.4	892	0
8/5/2014 7:15	73243	15	217	2.879	153.4	14.66	4.133	146.6	10.24	4.879	143.4	8.7	26.85	25.92	25.21	-0.934	-1.636	38.99	11.75	433.2	892	0
8/5/2014 7:30	73244	15	217	2.992	165.5	17.44	4.128	158.3	13.39	4.689	155.4	9.84	27.41	26.38	25.7	-1.036	-1.712	38.3	11.98	505.7	892	0
8/5/2014 7:45	73245	15	217	3.158	174.8	16.14	4.083	169.1	12.57	4.464	165	9.76	27.91	26.64	25.89	-1.279	-2.028	37.27	12.01	677.8	892	0
8/5/2014 8:00	73246	15	217	3.069	172.7	17.04	3.944	168.1	11.77	4.466	167	10.07	28.13	26.92	26.19	-1.217	-1.939	36.34	11.82	590.1	892	0
8/5/2014 8:15	73247	15	217	3.219	183.5	17.79	4.262	178.2	12.37	5.278	176.6	9.61	28.32	27.38	26.63	-0.938	-1.688	35.15	11.48	424.6	892	0
8/5/2014 8:30	73248	15	217	3.606	187.1	16.04	4.989	180.8	10.78	5.981	176.8	9.61	28.66	27.73	26.94	-0.922	-1.719	34.27	11.39	425.2	893	0
8/5/2014 8:45	73249	15	217	4.008	193.3	15.21	5.515	188.5	11.28	6.324	183.9	8.55	28.97	27.71	26.88	-1.261	-2.098	34.51	11.78	642.7	893	0
8/5/2014 9:00	73250	15	217	4.067	190.3	16.08	5.352	185.2	12.6	6.086	182.5	9.65	29.56	28.02	27.22	-1.535	-2.342	33.2	11.7	828	892	0
8/5/2014 9:15	73251	15	217	3.788	194.8	23.84	5.27	189.4	19.4	6.418	188.6	17.76	29.86	28.55	27.6	-1.312	-2.263	31.96	11.39	601.4	892	0
8/5/2014 9:30	73252	15	217	3.874	186.4	17.08	5.291	181.7	14.35	6.257	179.2	12.81	29.49	28.26	27.47	-1.229	-2.021	32.84	11.47	551.9	893	0
8/5/2014 9:45	73253	15	217	3.195	191.6	23.43	4.279	186.2	21.31	4.943	181.9	18.39	29.85	28.55	27.71	-1.297	-2.135	31.86	11.33	684.5	893	0
8/5/2014 10:00	73254	15	217	3.173	194.3	33.23	4.097	187.1	27.34	4.763	185.3	21.98	30.32	28.79	27.94	-1.529	-2.382	30.89	11.27	904	893	0
8/5/2014 10:15	73255	15	217	2.653	188.9	28.99	3.642	185.1	23	4.476	179.6	18.17	30.81	29.37	28.45	-1.438	-2.357	30.01	11.25	882	893	0
8/5/2014 10:30	73256	15	217	2.681	182.9	36.18	3.346	177.6	26.73	3.776	181.3	19.99	30.54	29.15	28.4	-1.394	-2.147	29.79	10.91	855	892	0
8/5/2014 10:45	73257	15	217	2.605	216.1	31.17	3.405	203.4	25.03	4.251	198.8	17.1	30.81	29.38	28.49	-1.43	-2.321	29.75	11.13	945	892	0
8/5/2014 11:00	73258	15	217	2.224	184.5	31.15	2.771	183.5	30.25	3.192	180.6	24.55	31.01	29.78	28.93	-1.228	-2.08	28.84	10.82	751.6	892	0
8/5/2014 11:15	73259	15	217	1.475	228.6	47.78	1.961	218.9	34.37	2.456	209.8	28.86	30.25	29.62	29.05	-0.633	-1.203	29.94	10.74	475.8	892	0
8/5/2014 11:30	73260	15	217	2.848	236.2	17.43	3.778	230.4	15.06	4.267	227	12.44	30.73	29.76	29.06	-0.969	-1.67	29.26	10.81	472.4	892	0
8/5/2014 11:45	73261	15	217	2.115	259.2	34.98	2.688	255.7	34.33	2.892	254.4	32.83	31.4	30.42	29.72	-0.977	-1.68	28.87	11.18	903	892	0
8/5/2014 12:00	73262	15	217	2.586	189.7	36.99	3.292	181.3	34.39	3.873	164.8	23.08	31.95	30.66	29.98	-1.288	-1.971	26.34	10.26	780.7	891	0
8/5/2014 12:15	73263	15	217	2.321	194.1	31.16	2.963	184.2	24.46	3.476	178.8	23.97	32.02	30.96	30.1	-1.058	-1.921	25.64	9.92	789.9	891	0
8/5/2014 12:30	73264	15	217	2.636	189.6	31.16	3.297	183.7	27.85	3.968	185.7	18.32	32.16	30.9	30.03	-1.258	-2.128	24.79	9.54	674.3	891	0
8/5/2014 12:45	73265	15	217	2.108	208.7	56.31	2.839	201.9	49.24	3.026	191.4	39.13	32.07	31.05	30.3	-1.019	-1.764	25.18	9.7	848	891	0
8/5/2014 13:00	73266	15	217	1.98	133.5	56.55	2.496	130.7	45.4	3.062	135.1	34.21	32.89	31.53	30.8	-1.354	-2.085	23.27	9.21	1248	891	0
8/5/2014 13:15	73267	15	217	2.926	159.6	44.41	3.918	154.1	40.05	4.524	148.2	29.48	33.59	32.02	30.83	-1.57	-2.756	20.94	8.23	1050	891	0
8/5/2014 13:30	73268	15	217	2.893	162.8	49.71	3.691	155.4	49.11	4.592	157.3	44.38	33.94	32.18	31.21	-1.764	-2.735	20.18	7.976	1205	890	0
8/5/2014 13:45	73269	15	217	2.407	164	53.41	3.054	161.7	46.81	3.901	162.7	43.22	34.03	32.57	31.36	-1.463	-2.669	19.66	7.662	1229	890	0
8/5/2014 14:00	73270	15	217	2.452	189.9	44.1	3.195	183.1	38.32	3.562	171.1	23.1	34.38	32.55	31.61	-1.833	-2.766	19.1	7.515	1210	890	0
8/5/2014 14:15	73271	15	217	3.25	131.7	26.77	4.421	126.1	24.49	4.997	124.5	28.06	33.81	32.52	31.61	-1.291	-2.203	20.74	8.26	441.9	890	0
8/5/2014 14:30	73272	15	217	3.317	162	24.07	4.422	156.4	19.34	5.164	156.4	16.05	34.55	32.54	31.58	-2.007	-2.969	20.09	8.41	1025	890	0
8/5/2014 14:45	73273	15	217	2.334	185.7	66.43	2.853	166.1	62.13	3.145	179	28.79	33.56	32.5	31.61	-1.063	-1.95	20.88	8.16	585.4	890	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/5/2014 15:00	73274	15	217	3.537	168.6	26.72	4.616	162.2	24.28	5.39	155.9	21.22	34.9	33.06	31.88	-1.84	-3.02	19.06	7.917	1040	889	0
8/5/2014 15:15	73275	15	217	1.965	126.8	75.12	2.282	134.2	68.5	2.641	144.2	54.22	33.26	32.33	31.68	-0.93	-1.581	20.4	7.572	569.7	889	0
8/5/2014 15:30	73276	15	217	2.973	209.4	30.3	3.889	204.4	27.01	4.309	191.3	24.19	33.79	32.61	31.76	-1.18	-2.025	20.04	7.744	562.9	889	0
8/5/2014 15:45	73277	15	217	2.934	172.2	23.27	3.875	167.9	20.65	4.442	166.1	17.17	33.4	32.55	31.93	-0.854	-1.476	20.15	7.512	345.9	889	0
8/5/2014 16:00	73278	15	217	1.934	174.2	37.68	2.451	168.3	29.51	2.755	167.6	23.22	33.49	32.52	31.96	-0.968	-1.525	20.25	7.653	587.9	889	0
8/5/2014 16:15	73279	15	217	1.923	195.8	62.23	2.403	190	58.09	2.852	166.7	39.7	34.02	33.12	32.25	-0.901	-1.769	19.79	7.753	594.1	889	0
8/5/2014 16:30	73280	15	217	2.884	141.1	36.12	3.971	134.9	32.32	4.388	141.9	21.92	33.4	32.66	32.02	-0.748	-1.385	19.95	7.367	258.1	889	0
8/5/2014 16:45	73281	15	217	2.664	191.8	40.44	3.673	184.1	36.78	4.13	170.9	31.06	33.59	32.77	32.13	-0.815	-1.454	19.8	7.408	345.9	889	0
8/5/2014 17:00	73282	15	217	2.624	153.5	21.36	3.668	147.8	14.8	4.396	141.9	12.17	33.17	32.63	32.04	-0.537	-1.135	19.77	7.043	186	889	0
8/5/2014 17:15	73283	15	217	1.828	142	24.78	2.548	134.7	19.61	3.104	138.9	14.97	33.57	32.88	32.17	-0.683	-1.395	19.66	7.285	372.8	889	0
8/5/2014 17:30	73284	15	217	2.992	155.8	15.6	4.211	149.6	11.18	5.161	148.1	10.23	33.6	32.85	32.19	-0.744	-1.402	19.5	7.192	310.2	889	0
8/5/2014 17:45	73285	15	217	2.902	161	21.2	4.107	155.7	18.33	4.994	157.2	18.77	33.33	32.77	32.2	-0.559	-1.131	19.87	7.252	235.5	889	0
8/5/2014 18:00	73286	15	217	3.205	161.8	20.1	4.625	156.5	16.78	5.461	152.2	14.27	33.01	32.67	32.14	-0.334	-0.87	19.94	7.034	169	889	0
8/5/2014 18:15	73287	15	217	2.95	153.9	19.13	4.493	147.8	16.72	5.901	142	15.9	32.56	32.45	31.96	-0.115	-0.599	20.58	7.132	108.8	889	0
8/5/2014 18:30	73288	15	217	2.405	145.3	16.84	3.697	140.6	13.09	4.67	138	12.36	31.95	32.11	31.78	0.156	-0.175	21.56	7.311	58.82	889	0
8/5/2014 18:45	73289	15	217	2.456	145	12.38	3.907	139.5	9.04	5.806	137.1	7.544	31.36	31.72	31.57	0.365	0.206	22.16	7.218	21.75	889	0
8/5/2014 19:00	73290	15	217	3.039	145.6	11.63	4.875	139.3	7.235	7.28	136	3.802	30.88	31.26	31.21	0.379	0.327	23.07	7.412	5.39	889	0
8/5/2014 19:15	73291	15	217	2.61	142.5	11.68	4.334	137.5	5.681	6.982	134.3	2.726	30.24	30.77	30.92	0.531	0.684	23.93	7.405	1.831	889	0
8/5/2014 19:30	73292	15	217	1.948	134.4	10.12	3.663	131	5.774	6.505	132.4	2.592	29.29	30.09	30.48	0.799	1.189	25.34	7.451	1.129	889	0
8/5/2014 19:45	73293	15	217	2.272	134.7	11.21	3.976	131	5.98	7.097	133.7	2.826	28.9	29.63	30.19	0.73	1.292	25.97	7.474	1.265	890	0
8/5/2014 20:00	73294	15	217	2.292	134.1	9.93	4.037	130.6	5.719	7.613	134.2	2.574	28.25	29.03	29.9	0.781	1.651	26.85	7.411	1.29	890	0
8/5/2014 20:15	73295	15	217	2.392	130.6	11.01	4.254	127.3	5.711	7.953	133.1	2.974	27.85	28.57	29.48	0.717	1.632	27.64	7.496	1.384	890	0
8/5/2014 20:30	73296	15	217	2.264	127.4	11.34	4.143	125.1	5.776	7.961	130.2	2.57	27.42	28.09	29.03	0.673	1.604	28.66	7.658	1.459	890	0
8/5/2014 20:45	73297	15	217	2.321	130	11.42	4.218	127.8	6.002	8.01	132.8	3.133	27.18	27.94	28.92	0.766	1.737	29.44	7.848	1.335	890	0
8/5/2014 21:00	73298	15	217	2.456	132	10.05	4.267	128.6	5.922	7.955	133.5	3.263	27.11	27.79	28.65	0.68	1.544	29.83	7.98	1.295	890	0
8/5/2014 21:15	73299	15	217	2.728	132.7	11.37	4.503	129	6.739	8.35	133	2.947	26.97	27.56	28.32	0.598	1.359	30.58	8.22	1.476	890	0
8/5/2014 21:30	73300	15	217	3.231	137	11.79	5.15	132.9	7.013	8.64	134	3.892	27.11	27.6	28.07	0.485	0.96	31.09	8.59	1.374	890	0
8/5/2014 21:45	73301	15	217	3.409	141.2	12.95	5.465	135.8	8.18	8.87	136.4	5.284	27.28	27.71	27.95	0.434	0.675	32.1	9.21	1.535	890	0
8/5/2014 22:00	73302	15	217	3.857	141.7	12.69	5.992	136.8	7.794	9.29	136.8	4.685	27.39	27.76	27.89	0.371	0.508	32.8	9.63	1.46	890	0
8/5/2014 22:15	73303	15	217	3.846	142.6	13.1	6.024	136.6	7.712	9.04	137.4	4.958	27.32	27.69	27.74	0.366	0.416	33.38	9.83	1.482	891	0
8/5/2014 22:30	73304	15	217	3.657	143.7	12.51	5.687	139	7.745	8.73	138.5	4.709	27.04	27.4	27.46	0.362	0.427	34.17	9.93	1.433	891	0
8/5/2014 22:45	73305	15	217	3.476	145.8	11.99	5.501	140.1	7.763	8.57	141.3	4.954	26.68	27.06	27.18	0.379	0.501	35.03	9.99	1.415	891	0
8/5/2014 23:00	73306	15	217	3.304	150.3	12.54	5.261	144	7.679	8.32	144.4	4.902	26.48	26.85	26.99	0.377	0.515	35.58	10.04	1.489	891	0
8/5/2014 23:15	73307	15	217	3.382	153.3	12.63	5.361	147.3	7.813	8.71	146.8	4.838	26.39	26.76	26.91	0.369	0.528	35.77	10.04	1.432	890	0
8/5/2014 23:30	73308	15	217	3.321	158.5	12.34	5.304	151.3	7.485	8.54	149.8	5.116	26.33	26.72	26.87	0.391	0.545	35.66	9.95	1.442	890	0
8/5/2014 23:45	73309	15	217	3.666	159.5	11.82	5.613	154.2	7.398	8.64	153	4.718	26.31	26.68	26.81	0.369	0.5	35.65	9.92	1.539	890	0
8/6/2014 0:00	73310	15	218	3.514	159	11.08	5.474	152.3	6.985	8.47	151.1	4.636	26.14	26.51	26.65	0.362	0.51	35.92	9.89	1.347	890	0
8/6/2014 0:15	73311	15	218	3.272	160	11.68	5.04	154.7	7.457	8.02	152.4	4.984	25.93	26.33	26.48	0.4	0.557	36.48	9.93	1.354	890	0
8/6/2014 0:30	73312	15	218	3.295	161.1	11.21	5.129	154.3	7.265	8.28	152.6	4.745	25.74	26.15	26.34	0.411	0.592	37.14	10.03	1.263	890	0
8/6/2014 0:45	73313	15	218	3.363	160	11.65	5.209	153.5	7.341	8.12	153.1	4.293	25.63	26.02	26.16	0.388	0.529	37.56	10.11	1.394	890	0
8/6/2014 1:00	73314	15	218	2.854	160.4	12.07	4.56	152.7	7.96	7.308	151.9	5.171	25.33	25.73	25.88	0.404	0.559	38.49	10.2	1.463	890	0
8/6/2014 1:15	73315	15	218	3.079	158.2	11.48	4.706	150.7	7.249	7.678	151.2	4.603	25.17	25.56	25.75	0.399	0.586	39.47	10.43	1.362	890	0
8/6/2014 1:30	73316	15	218	3.1	160.4	11.49	4.762	153	7.462	7.755	153.4	4.923	25.06	25.45	25.66	0.389	0.595	40.33	10.66	1.193	890	0
8/6/2014 1:45	73317	15	218	3.346	159.1	11.6	4.954	152.2	7.113	7.912	152.2	4.724	25.05	25.42	25.6	0.363	0.541	41.18	10.97	1.585	890	0
8/6/2014 2:00	73318	15	218	3.279	159.7	11.24	5.059	153	7.376	7.83	152.2	4.965	25	25.37	25.49	0.372	0.495	42.07	11.24	1.447	889	0
8/6/2014 2:15	73319	15	218	3.25	159.1	11.11	4.879	152.1	7.02	7.528	151.2	5.034	24.86	25.21	25.31	0.352	0.444	42.98	11.44	1.275	889	0
8/6/2014 2:30	73320	15	218	3.157	157.9	11.4	4.843	151.3	7.311	7.663	150.1	4.774	24.66	25.03	25.17	0.363	0.503	44.09	11.65	1.258	889	0
8/6/2014 2:45	73321	15	218	3.001	157.8	12.75	4.724	151.3	7.458	7.673	151	4.912	24.51	24.89	25.07	0.381	0.555	45.22	11.89	1.487	889	0
8/6/2014 3:00	73322	15	218	2.801	157.2	11.79	4.345	151.6	7.836	7.039	150.8	4.94	24.34	24.74	24.9	0.398	0.559	46.14	12.04	1.309	890	0
8/6/2014 3:15	73323	15	218	2.338	154.3	12.02	3.885	147.8	7.801	6.554	146.2	4.915	24.01	24.48	24.66	0.461	0.649	47.36	12.14	1.208	890	0
8/6/2014 3:30	73324	15	218	2.295	159.1	12.26	3.826	151.3	7.65	6.282	149.2	5.371	23.81	24.32	24.5	0.507	0.686	48.58	12.35	1.325	890	0
8/6/2014 3:45	73325	15	218	2.008	154.3	12.73	3.415	147.7	7.85	5.857	146	5.02	23.52	24.04	24.26	0.515	0.739	49.4	12.34	1.159	890	0
8/6/2014 4:00	73326	15	218	1.962	157.3	12.2	3.414	148.7	7.035	5.903	146.6	4.842	23.21	23.78	24.07	0.574	0.863	50.7	12.44	1.177	890	0
8/6/2014 4:15	73327	15	218	1.561	160	10.78	2.874	153.2	6.734	5.108	149.5	5.369	22.75	23.54	23.8	0.787	1.044	52.04	12.42	1.098	890	0
8/6/2014 4:30	73328	15	218	1.514	162.7	12.67	2.913	154.8	7.192	5.334	151.2	5.496	22.53	23.42	23.76	0.898	1.231	53.27	12.56	1.202	890	0
8/6/2014 4:45	73329	15	218	1.535	159.4	11.13	2.838	152.7	6.799	5.157	149	5.901	22.41	23.32	23.68	0.907	1.267	54.04	12.68	1.008	890	0
8/6/2014 5:00	73330	15	218	1.701	171.3	10.84	3.135	163.3	6.61	5.567	155.6	4.756	22.3	23.17	23.59	0.869	1.291	54.61	12.74	1.157	890	0
8/6/2014 5:15	73331	15	218	1.728	175.5	12.49	3.029	165	7.43	5.542	158.4	5.301	22.3	23.01	23.43	0.714	1.125	55.01	12.85	2.92	890	0
8/6/2014 5:30	73332	15	218	1.386	157.3	11.84	2.751	152.5	7.272	5.017	152.6	4.456	22.05	22.9	23.33	0.842	1.28	55.88	12.86	11.84	890	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/6/2014 5:45	73333	15	218	1.477	157.6	10.55	2.917	150.2	6.365	5.188	148.7	3.84	22.05	22.84	23.33	0.79	1.279	56.46	13.01	26.8	890	0
8/6/2014 6:00	73334	15	218	1.439	160.5	11.07	2.625	152.1	6.254	4.868	151.1	3.325	22.58	22.93	23.27	0.355	0.692	55.38	13.21	84.3	890	0
8/6/2014 6:15	73335	15	218	1.893	151.3	12.7	3.05	145.4	8.65	5.248	145.3	4.313	23.34	23.28	23.26	-0.06	-0.073	53.47	13.37	137.8	890	0
8/6/2014 6:30	73336	15	218	2.483	162.6	12.5	3.326	155.8	8.78	4.636	150.9	6.663	24.2	23.91	23.52	-0.294	-0.687	51.02	13.45	197.6	890	0
8/6/2014 6:45	73337	15	218	3.11	156	13.7	4.458	150.1	9.8	5.234	149	7.418	25	24.54	24.02	-0.453	-0.975	48.84	13.51	262.3	890	0
8/6/2014 7:00	73338	15	218	3.491	163.3	12.27	4.934	156.4	7.808	5.585	150	7.089	25.45	24.82	24.29	-0.628	-1.161	47.39	13.47	324.9	890	0
8/6/2014 7:15	73339	15	218	3.402	156.6	14.58	4.856	150.3	9.01	5.329	146.2	6.712	25.99	25.15	24.56	-0.84	-1.425	46.13	13.54	390.2	891	0
8/6/2014 7:30	73340	15	218	3.232	169.1	14.46	4.503	162	10.6	5.115	158.7	7.776	26.66	25.69	25.01	-0.973	-1.652	44.59	13.63	451.6	891	0
8/6/2014 7:45	73341	15	218	3.342	180.9	15.61	4.527	174.4	11.45	5.121	169.2	7.757	27.26	26.13	25.37	-1.125	-1.886	43.09	13.64	518.8	891	0
8/6/2014 8:00	73342	15	218	3.097	173.6	16.43	4.211	166	12.15	4.817	162	9.21	27.86	26.61	25.87	-1.256	-1.997	41.52	13.61	586.8	890	0
8/6/2014 8:15	73343	15	218	2.919	167.1	18.15	3.828	162.2	13.71	4.528	162.2	9.62	28.41	27.12	26.25	-1.291	-2.16	40.35	13.66	651.1	890	0
8/6/2014 8:30	73344	15	218	3.137	181.3	16.24	3.986	174.9	13.7	4.599	171.5	10.89	28.87	27.5	26.71	-1.37	-2.155	39.01	13.55	712.4	890	0
8/6/2014 8:45	73345	15	218	2.328	167.9	22.84	3.015	165.6	15.1	3.511	168.7	15.55	29.39	28.08	27.32	-1.309	-2.073	37.84	13.55	770.8	890	0
8/6/2014 9:00	73346	15	218	2.428	179	27.31	2.997	172.5	22.11	3.367	168.8	20.41	30.01	28.71	27.9	-1.298	-2.108	36.06	13.35	825	890	0
8/6/2014 9:15	73347	15	218	3.054	169	17.72	3.827	161.1	14.47	4.185	157.8	14.05	30.87	29.35	28.53	-1.519	-2.334	34.31	13.34	874	890	0
8/6/2014 9:30	73348	15	218	2.664	180.3	23.25	3.41	175.7	17.49	3.806	174.7	17.77	31.5	29.92	29.14	-1.579	-2.365	32.46	13.05	924	890	0
8/6/2014 9:45	73349	15	218	2.659	183.3	28.39	3.32	175.7	22.48	3.734	174.9	16.67	31.99	30.42	29.57	-1.561	-2.419	30.68	12.6	970	890	0
8/6/2014 10:00	73350	15	218	1.965	200.8	42.07	2.457	192.3	35.71	2.82	194.4	30.37	32.32	31.16	30.16	-1.158	-2.158	29.58	12.33	1014	890	0
8/6/2014 10:15	73351	15	218	1.541	156.7	42.45	1.935	152.5	27.82	2.268	161.5	35.18	32.35	31.34	30.62	-1.005	-1.728	29.77	12.46	1054	890	0
8/6/2014 10:30	73352	15	218	2.099	211.2	62.87	2.516	206.6	62.12	2.71	222.9	64.36	33.09	31.91	30.89	-1.175	-2.194	28.25	12.29	1087	890	0
8/6/2014 10:45	73353	15	218	1.667	237.4	71.72	2.128	232.6	66.13	2.532	229.1	63.21	33.15	32.16	31.26	-0.991	-1.894	28.14	12.28	1113	889	0
8/6/2014 11:00	73354	15	218	2.038	228.2	51.7	2.453	227.6	43.97	2.659	206.7	32.33	33.5	32.27	31.41	-1.233	-2.09	26.84	11.86	1135	889	0
8/6/2014 11:15	73355	15	218	1.901	20.97	67.73	2.231	11.69	65.01	2.177	359.6	67.42	34.06	32.8	31.92	-1.262	-2.141	25.87	11.78	1160	889	0
8/6/2014 11:30	73356	15	218	1.976	199.3	62.26	2.463	204.3	54.77	2.453	213.4	52.56	34.44	33.18	32.16	-1.257	-2.279	24.8	11.45	1187	889	0
8/6/2014 11:45	73357	15	218	1.635	240.4	50.42	1.67	230.1	45.68	1.676	204.2	64.34	34.04	33.05	32.34	-0.985	-1.694	24.72	11.08	1207	889	0
8/6/2014 12:00	73358	15	218	1.937	310.5	61.98	2.412	310.1	59.25	2.594	291.9	51.87	34.92	33.66	32.81	-1.26	-2.11	23.77	11.22	988	889	0
8/6/2014 12:15	73359	15	218	2.408	306.3	32.14	2.678	302.1	29.98	2.829	301.9	28.78	34.86	33.53	32.89	-1.338	-1.974	23.89	11.25	1236	889	0
8/6/2014 12:30	73360	15	218	2.156	330.4	32.53	2.616	331.4	25.58	2.62	331.4	26.34	35.22	33.78	32.99	-1.442	-2.233	23.12	11.06	1241	888	0
8/6/2014 12:45	73361	15	218	1.686	70.37	75.05	2.018	70.56	78.93	2.321	99.4	75.27	35.09	34.19	33.48	-0.898	-1.611	22.87	10.79	608.3	888	0
8/6/2014 13:00	73362	15	218	2.445	115.6	40.17	3.152	109.9	36.56	3.588	112.1	29.71	35.02	33.98	33.18	-1.038	-1.836	22.46	10.44	430.7	888	0
8/6/2014 13:15	73363	15	218	2.333	129.1	64.61	2.927	119.1	56.89	3.275	97.1	46.97	35.43	34.2	33.51	-1.232	-1.926	22.33	10.71	1112	888	0
8/6/2014 13:30	73364	15	218	2.132	165.6	48.6	2.652	164.6	43.22	3.207	171	54.81	36.58	35.13	34.24	-1.456	-2.346	20.76	10.56	1294	888	0
8/6/2014 13:45	73365	15	218	2.49	248.9	40.24	3.165	242.2	37.84	3.633	226.7	25.38	36.39	34.88	33.85	-1.509	-2.539	20.47	10.18	1271	887	0
8/6/2014 14:00	73366	15	218	2.36	202.3	43.69	2.938	191.1	43.23	3.468	184.1	42.03	36.86	35.2	34.22	-1.661	-2.64	20.07	10.26	1245	887	0
8/6/2014 14:15	73367	15	218	2.546	168.4	33.28	3.247	160.6	23.92	3.776	155.7	24.97	37.02	35.16	34.29	-1.852	-2.722	19.33	9.85	1207	887	0
8/6/2014 14:30	73368	15	218	2.615	219.3	36.53	3.191	217.1	29.12	3.427	206.9	21.78	36.9	35.24	34.26	-1.664	-2.649	19.39	9.8	1215	887	0
8/6/2014 14:45	73369	15	218	2.485	215.4	60.9	3.3	215.9	60.53	3.852	215.6	49.34	37.09	35.45	34.63	-1.642	-2.46	19.25	9.84	1134	887	0
8/6/2014 15:00	73370	15	218	2.996	205.7	39.03	3.777	202.9	24.42	4.4	210.1	21.28	36.95	35.33	34.32	-1.617	-2.631	18.81	9.38	771.9	887	0
8/6/2014 15:15	73371	15	218	2.254	234.4	19.13	3.052	225.9	15.87	3.336	215.8	13.39	35.83	35	34.32	-0.826	-1.501	20.13	9.48	251.7	887	0
8/6/2014 15:30	73372	15	218	2.61	168.2	41.97	3.52	163.9	36.02	4.079	163.5	33.31	36.34	35.21	34.42	-1.124	-1.913	19.58	9.48	460.5	886	0
8/6/2014 15:45	73373	15	218	2.042	204.2	24.86	2.722	198.3	19.34	3.26	188.6	18.19	35.77	34.97	34.35	-0.801	-1.419	20.03	9.36	192.6	886	0
8/6/2014 16:00	73374	15	218	1.669	172.7	58.97	2.151	153.9	65.59	2.425	143.6	35.94	35.32	34.85	34.31	-0.474	-1.012	20.53	9.36	149.2	886	0
8/6/2014 16:15	73375	15	218	1.923	149.6	37.78	2.653	142.1	33.43	3.331	138.3	32.48	35.42	34.93	34.34	-0.487	-1.075	20.33	9.29	130.6	886	0
8/6/2014 16:30	73376	15	218	2	137.9	28.91	2.731	131.7	30.64	3.147	132.6	26.9	35.37	34.87	34.31	-0.496	-1.06	20.27	9.21	147.1	886	0
8/6/2014 16:45	73377	15	218	0.784	102.5	86.5	1.071	77.22	62.59	1.29	106.3	51.5	35.27	34.93	34.41	-0.345	-0.861	20.69	9.44	319.9	886	0
8/6/2014 17:00	73378	15	218	2.824	163.2	25.27	3.791	157.5	21.13	4.219	157.2	18.25	36.25	35.25	34.55	-1.001	-1.695	19.37	9.25	478	886	0
8/6/2014 17:15	73379	15	218	2.228	205.4	37.5	2.892	198.9	35.49	3.404	188.9	30.06	36.1	35.25	34.43	-0.852	-1.668	19.6	9.3	427.7	886	0
8/6/2014 17:30	73380	15	218	2.678	174.5	20.26	3.728	168.7	16.55	4.724	161.8	15.18	35.79	35.17	34.51	-0.623	-1.282	19.57	9.03	206.8	886	0
8/6/2014 17:45	73381	15	218	2.853	174.8	26.49	4.085	168.2	23.11	4.85	161.7	19.99	34.85	34.74	34.28	-0.109	-0.572	20.48	8.93	59.41	886	0
8/6/2014 18:00	73382	15	218	1.873	170.3	18.88	2.79	161.5	15.49	3.608	155.3	14.3	34.35	34.54	34.22	0.186	-0.134	21.14	9	39.79	886	0
8/6/2014 18:15	73383	15	218	1.517	171.5	14.4	2.604	167.6	12.4	3.673	167.8	12.94	33.83	34.32	34.18	0.484	0.344	21.67	8.94	32.21	886	0
8/6/2014 18:30	73384	15	218	1.067	150.6	16.02	2.479	157.2	10.62	3.651	158.3	8.11	32.82	34.07	34.17	1.254	1.353	22.86	8.89	19.84	886	0
8/6/2014 18:45	73385	15	218	1.157	142.5	8.56	2.643	143.8	6.879	4.362	148.6	4.178	31.94	33.46	34.03	1.52	2.09	24.2	9	8.49	886	0
8/6/2014 19:00	73386	15	218	1.253	139.6	8.35	3.082	143.8	4.433	5.125	150.4	2.33	31.51	33.14	34.01	1.634	2.504	24.97	9.1	2.708	886	0
8/6/2014 19:15	73387	15	218	1.162	122.1	9.59	2.774	128.5	10.34	5.112	146.7	8.41	31.33	32.6	33.86	1.272	2.529	25.11	9.03	0.97	886	0
8/6/2014 19:30	73388	15	218	1.5	121.7	11.06	3.311	120.6	5.965	5.245	131.7	6.913	31.25	32.28	33.49	1.035	2.237	25.25	9.05	1.043	887	0
8/6/2014 19:45	73389	15	218	1.274	121.8	10.02	3.015	122.9	3.979	5.614	138.1	2.805	30.87	31.99	33.34	1.115	2.465	25.43	8.84	1.043	887	0
8/6/2014 20:00	73390	15	218	0.826	109.7	19.7	2.53	113.7	5.718	5.608	137.7	2.516	30.05	31.35	32.97	1.294	2.914	27.02	9.04	0.983	887	0
8/6/2014 20:15	73391	15	218	1.351	266.5	30.76	2.233	247.7	33.18	3.155	231.9	36.66	30.77	31.58	31.81	0.81	1.047	26.47	9.33	0.871	887	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/6/2014 20:30	73392	15	218	1.267	182.4	22.8	2.101	186.3	14.65	3.484	205.5	17.26	31.33	32.06	32.59	0.736	1.259	25.24	9.11	0.871	887	0
8/6/2014 20:45	73393	15	218	1.932	201.4	33.31	3.137	197.1	31.2	4.415	193.9	26.26	32.03	32.61	32.61	0.581	0.578	24.98	9.54	1.026	888	0
8/6/2014 21:00	73394	15	218	0.833	200.6	35.14	1.437	211.1	24.66	2.882	209	25.71	30.69	31.51	31.77	0.825	1.082	27.81	10.01	0.673	888	0
8/6/2014 21:15	73395	15	218	1.41	180.4	20.93	2.553	184.2	13.92	4.112	190	14.26	30.7	31.71	31.92	1.01	1.215	27.56	9.88	0.877	888	0
8/6/2014 21:30	73396	15	218	2.221	181.5	21.32	3.504	173.8	16.46	4.642	172.1	15.23	30.86	31.53	31.48	0.666	0.617	27.05	9.75	0.98	888	0
8/6/2014 21:45	73397	15	218	1.718	174.5	18.11	2.914	170.6	13.41	4.572	167.2	12.97	30.24	30.97	30.96	0.732	0.723	28.06	9.76	0.797	888	0
8/6/2014 22:00	73398	15	218	2.646	171.5	15.47	4.106	166.1	9.94	5.574	163.8	7.994	30.03	30.52	30.48	0.486	0.446	28.96	10.05	1.197	888	0
8/6/2014 22:15	73399	15	218	1.592	140.7	17.32	2.814	136.7	12.52	4.434	143.1	9.79	29.11	29.8	29.97	0.697	0.865	30.56	10.06	0.899	888	0
8/6/2014 22:30	73400	15	218	1.086	144.6	13.95	2.169	137.3	7.751	3.711	145.7	7.477	28.54	29.41	29.6	0.871	1.054	31.94	10.23	0.792	888	0
8/6/2014 22:45	73401	15	218	0.868	132.5	15.23	1.813	141.1	8.96	3.357	147.6	7.76	28.12	29.19	29.3	1.07	1.18	33.2	10.44	0.738	889	0
8/6/2014 23:00	73402	15	218	1.27	150.4	15.87	2.305	152.2	10.91	3.955	154.3	8.56	28.14	29.06	29.16	0.914	1.02	33.75	10.71	0.801	889	0
8/6/2014 23:15	73403	15	218	1.54	164	12.64	2.77	159.7	8.04	4.661	158.4	6.271	28.26	28.88	28.99	0.628	0.73	34.02	10.93	0.91	889	0
8/6/2014 23:30	73404	15	218	2.266	164.4	11.39	3.47	159.2	8.13	5.629	157.4	5.785	28.5	28.84	28.87	0.343	0.367	33.98	11.12	1.266	888	0
8/6/2014 23:45	73405	15	218	2.782	164.6	11.64	4.278	160.2	8.06	6.371	157.2	5.554	28.52	28.78	28.71	0.259	0.183	33.99	11.15	1.255	888	0
8/7/2014 0:00	73406	15	219	3.263	163.2	12.67	4.99	156.8	8.21	7.076	154	6.242	28.47	28.7	28.56	0.227	0.087	33.99	11.11	1.275	888	0
8/7/2014 0:15	73407	15	219	3.514	161.1	12.31	5.192	154.2	7.681	7.5	152.6	5.759	28.32	28.5	28.34	0.18	0.023	33.98	10.97	1.324	888	0
8/7/2014 0:30	73408	15	219	3.941	162.3	12.58	5.784	157	8.49	8.03	154.5	5.925	28.19	28.36	28.18	0.165	-0.014	34.09	10.91	1.393	888	0
8/7/2014 0:45	73409	15	219	3.846	161.1	12.57	5.835	155	8.36	8.28	154	5.602	28	28.18	28	0.178	-0.001	34.5	10.92	1.335	888	0
8/7/2014 1:00	73410	15	219	4.001	159.4	12.47	5.968	154	7.895	8.21	152.7	5.467	27.81	27.99	27.82	0.176	0.011	35.02	10.98	1.124	888	0
8/7/2014 1:15	73411	15	219	4.021	158.1	11.43	6.002	151.7	7.95	8.54	151.4	5.86	27.65	27.82	27.68	0.171	0.031	35.76	11.15	1.547	888	0
8/7/2014 1:30	73412	15	219	4.03	156.8	12.25	6.055	150.6	7.484	8.62	149.7	5.585	27.47	27.64	27.5	0.172	0.028	36.62	11.35	1.467	888	0
8/7/2014 1:45	73413	15	219	3.929	160.8	12.37	5.985	152.7	8.4	8.59	151.5	5.437	27.23	27.44	27.32	0.217	0.094	37.59	11.53	1.541	888	0
8/7/2014 2:00	73414	15	219	4.099	163.6	11.72	6.08	156.9	8.36	8.5	155.8	5.554	27.01	27.24	27.14	0.232	0.126	38.4	11.66	1.373	888	0
8/7/2014 2:15	73415	15	219	4.121	158.5	12.41	6.436	152.5	7.642	9.31	152.2	4.69	26.82	27.09	27.01	0.273	0.198	39.04	11.74	1.552	887	0
8/7/2014 2:30	73416	15	219	3.887	158.3	11.52	6.039	151.9	6.961	8.64	150.9	5.164	26.65	26.92	26.85	0.27	0.2	39.51	11.77	1.548	887	0
8/7/2014 2:45	73417	15	219	3.42	155	12.5	5.44	149.3	7.887	8.26	148.4	4.724	26.34	26.64	26.62	0.3	0.275	40.2	11.76	1.471	887	0
8/7/2014 3:00	73418	15	219	3.408	160.2	12.43	5.195	152.7	8.08	7.793	152.2	5.318	26.09	26.4	26.39	0.313	0.305	40.88	11.79	1.279	887	0
8/7/2014 3:15	73419	15	219	3.155	164.5	11.91	4.782	157.6	8.35	7.379	156.9	5.082	25.85	26.16	26.22	0.312	0.374	41.42	11.77	1.442	887	0
8/7/2014 3:30	73420	15	219	2.173	197.4	26.04	3.464	187.8	24.03	5.552	176.1	16.82	25.43	25.86	25.93	0.427	0.497	42.37	11.74	1.147	888	0
8/7/2014 3:45	73421	15	219	1.294	203.5	24.09	2.558	199	13.66	4.657	187.9	7.57	24.44	25.29	25.67	0.853	1.235	44.73	11.66	1.039	888	0
8/7/2014 4:00	73422	15	219	0.697	129	69.24	1.294	171	32.83	3.406	171.6	11.51	23.61	25.05	25.5	1.439	1.891	46.77	11.58	0.706	888	0
8/7/2014 4:15	73423	15	219	0.998	46.11	6.38	1.018	100.2	24.74	2.732	159.5	7.218	21.89	24.78	25.4	2.891	3.506	51.14	11.35	0.75	888	0
8/7/2014 4:30	73424	15	219	0.912	69.11	17.43	1.426	126	19.62	3.092	158.5	5.989	21.02	24.82	25.26	3.799	4.238	54.22	11.44	0.706	888	0
8/7/2014 4:45	73425	15	219	0.816	89.9	12.28	2.4	118.3	6.272	4.014	137.7	5.835	21.66	24.58	25.22	2.913	3.562	52.98	11.68	0.881	888	0
8/7/2014 5:00	73426	15	219	0.358	130.5	49.07	2.067	125.4	5.497	4.71	140.4	4.012	21.83	23.8	25.31	1.978	3.485	52.73	11.76	1.061	888	0
8/7/2014 5:15	73427	15	219	0.677	38.16	32.11	1.495	103.3	11.4	4.323	142.4	3.888	21.83	23.17	25.38	1.342	3.549	52.6	11.73	2.658	888	0
8/7/2014 5:30	73428	15	219	0.706	62.69	50.24	2.022	105.8	9.6	4.053	147.5	5.543	21.9	23.03	25.51	1.138	3.617	52.89	11.87	9.99	888	0
8/7/2014 5:45	73429	15	219	0.582	43.35	42.78	1.879	95.8	11.58	3.199	135.3	6.036	21.64	22.84	25.44	1.203	3.798	54.39	12.06	36.82	888	0
8/7/2014 6:00	73430	15	219	0.884	80.8	18.75	2.182	91.2	9.95	3.269	129.3	7.796	22.88	23.37	25.55	0.492	2.674	51.99	12.52	74.89	888	0
8/7/2014 6:15	73431	15	219	1.122	88.5	14.42	2.188	92.1	7.628	2.555	129.4	7.45	24.02	24.09	25.92	0.07	1.901	49.12	12.7	133.2	888	0
8/7/2014 6:30	73432	15	219	1.561	112.6	15.45	2.288	108.3	12.84	2.758	128.1	8.13	25.25	25.03	25.81	-0.217	0.559	45.73	12.73	192.5	888	0
8/7/2014 6:45	73433	15	219	1.773	117.1	13.37	2.455	113.5	7.403	2.447	119.4	5.979	26.03	25.6	25.51	-0.43	-0.52	43.38	12.64	258.1	888	0
8/7/2014 7:00	73434	15	219	1.37	125.5	18.88	1.672	120.9	15.27	1.785	127.2	9.88	26.8	26.32	25.88	-0.487	-0.922	41.78	12.76	323.2	888	0
8/7/2014 7:15	73435	15	219	1.164	126.3	25.92	1.352	122	21.03	1.309	128.5	23.75	27.71	27.25	26.83	-0.455	-0.879	39.54	12.72	386.7	888	0
8/7/2014 7:30	73436	15	219	0.969	267.4	85.3	1.329	252.3	81.4	1.272	267.2	72.55	28.4	28.1	27.81	-0.308	-0.59	38.56	12.97	451.1	888	0
8/7/2014 7:45	73437	15	219	2.056	312.8	26.81	2.37	309.6	19.89	2.66	308.4	12.36	29.27	28.82	28.25	-0.449	-1.022	38.55	13.73	518.2	888	0
8/7/2014 8:00	73438	15	219	2.858	306.5	20.51	3.261	304	16.84	3.71	299.9	12.96	29.94	29.33	28.58	-0.61	-1.363	37.74	14	584.7	888	0
8/7/2014 8:15	73439	15	219	2.78	305.1	18.15	3.123	298.9	15.07	3.263	291.9	12.27	30.1	29.37	28.71	-0.737	-1.397	37.16	13.9	649.3	888	0
8/7/2014 8:30	73440	15	219	2.487	316.1	21.45	2.911	313.6	18.24	3.201	308.9	14.51	30.57	29.82	29.04	-0.749	-1.527	36.29	13.94	712.5	888	0
8/7/2014 8:45	73441	15	219	2.211	312	22.37	2.504	308.1	17.99	2.774	299.9	12.88	30.74	30.03	29.3	-0.713	-1.446	36.17	14.05	768.7	888	0
8/7/2014 9:00	73442	15	219	2.119	320	25.9	2.549	315.9	20.43	2.45	308.4	16.54	31.51	30.6	29.88	-0.917	-1.633	34.98	14.21	824	888	0
8/7/2014 9:15	73443	15	219	1.605	322.5	69.58	1.76	320.3	59.66	2.086	296.4	23.99	31.74	31.08	30.56	-0.66	-1.175	34.12	14.02	883	888	0
8/7/2014 9:30	73444	15	219	1.597	291.1	46.49	1.695	285	43.27	2.043	283.4	32.2	32.41	31.7	30.96	-0.704	-1.446	32.97	14.08	940	888	0
8/7/2014 9:45	73445	15	219	1.783	303	52.61	1.929	301.5	52.57	2.131	302.8	28.5	33.15	32.31	31.64	-0.845	-1.513	31.04	13.79	892	888	0
8/7/2014 10:00	73446	15	219	1.141	338.1	73.82	1.333	323.5	71.61	1.709	311.1	52.34	33.29	32.52	32.08	-0.766	-1.203	30.59	13.68	903	888	0
8/7/2014 10:15	73447	15	219	1.514	308.3	61.72	1.729	296.4	56.25	2.068	303.6	55.21	34.14	33.54	32.8	-0.592	-1.336	29.12	13.66	1063	888	0
8/7/2014 10:30	73448	15	219	1.743	268.6	46.06	2.06	267.7	37.45	2.241	263.2	33.38	34.55	33.68	32.97	-0.866	-1.578	28.01	13.41	1150	887	0
8/7/2014 10:45	73449	15	219	2.033	243.7	25.57	2.642	239.1	19.94	2.879	230.8	19.83	35.22	33.92	33.1	-1.301	-2.125	26.22	12.97	1140	887	0
8/7/2014 11:00	73450	15	219	1.532	285	60.42	1.893	292.4	61.24	2.089	274.6	42	35.3	34.2	33.47	-1.104	-1.829	25.85	12.81	1126	887	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/7/2014 11:15	73451	15	219	2.22	265.4	30.74	2.888	260.7	23.61	3.346	257.4	17.36	35.79	34.7	33.63	-1.087	-2.16	24.43	12.37	910	887	0
8/7/2014 11:30	73452	15	219	2.402	200.4	31.78	3.166	197.2	32.2	3.49	190.8	32.57	35.85	34.47	33.6	-1.376	-2.249	23.01	11.48	827	887	0
8/7/2014 11:45	73453	15	219	1.87	242.6	58.29	2.39	236.9	43.96	2.562	227.8	50.11	36.1	34.77	33.81	-1.33	-2.281	22.67	11.48	1274	887	0
8/7/2014 12:00	73454	15	219	2.463	252.7	38.02	3.088	248.2	32.55	3.7	241.1	25.81	36.47	34.9	34.01	-1.566	-2.462	21.62	11.08	1315	886	0
8/7/2014 12:15	73455	15	219	2.273	199.2	61.1	2.831	187	52.3	3.489	169.9	33.27	37.21	35.47	34.69	-1.734	-2.52	20.75	11.05	1354	886	0
8/7/2014 12:30	73456	15	219	2.789	113.2	38.04	3.654	107.8	33.09	3.966	105.3	28.78	37.52	35.59	34.61	-1.928	-2.913	18.8	9.83	1367	886	0
8/7/2014 12:45	73457	15	219	3.195	128.3	34.94	4.029	119.7	34.06	4.613	118.7	36	38.25	36.29	35.05	-1.958	-3.2	18.61	10.27	1179	886	0
8/7/2014 13:00	73458	15	219	3.566	155.9	23.2	4.946	148.3	19.99	5.681	146.6	16.29	36.68	35.33	34.48	-1.346	-2.196	19.8	9.93	327.3	886	0
8/7/2014 13:15	73459	15	219	2.125	175	31.14	3.013	164.3	22.53	3.601	157.1	15.16	36.38	35.3	34.61	-1.08	-1.766	20.11	9.92	304.2	886	0
8/7/2014 13:30	73460	15	219	2.896	138.4	46.15	3.761	132.4	42.47	4.221	128.2	27.27	36.22	35.31	34.68	-0.903	-1.539	20.38	9.98	339	885	0
8/7/2014 13:45	73461	15	219	3.242	149.6	26.83	4.782	143.7	25.26	5.975	136.9	21.24	36.42	35.55	34.72	-0.871	-1.699	20.45	10.2	266.6	885	0
8/7/2014 14:00	73462	15	219	3.809	138.9	18.65	5.583	132.2	14.99	7.149	128.9	13.04	36.07	35.38	34.59	-0.692	-1.485	20.76	10.14	211.5	885	0
8/7/2014 14:15	73463	15	219	3.897	155.7	23.51	5.487	148.8	20.27	6.486	146	21.08	36.19	35.43	34.71	-0.76	-1.484	20.58	10.11	295.2	885	0
8/7/2014 14:30	73464	15	219	3.402	139.2	16.61	4.745	132.6	14.05	5.512	128	13.93	36.39	35.49	34.81	-0.897	-1.575	19.94	9.8	364.4	885	0
8/7/2014 14:45	73465	15	219	2.884	147.5	34.44	3.955	146.3	30.87	4.791	156.4	23	36.48	35.77	35.09	-0.711	-1.397	19.57	9.6	349.6	885	0
8/7/2014 15:00	73466	15	219	3.812	133.8	19.91	5.555	129	17.18	6.79	125.4	16.62	36.57	35.8	35.07	-0.764	-1.499	19.55	9.65	296.3	884	0
8/7/2014 15:15	73467	15	219	3.636	132.9	20.42	5.087	124.5	16.53	6.296	119.4	15.71	36.57	35.85	35.05	-0.723	-1.52	19.29	9.45	315	884	0
8/7/2014 15:30	73468	15	219	3.242	140.4	26.58	4.794	135.9	24.3	5.992	135.8	16.39	36.71	35.99	35.34	-0.724	-1.369	18.92	9.28	311.9	884	0
8/7/2014 15:45	73469	15	219	3.501	147.7	27.72	4.612	143.2	24.66	5.576	145.2	18.13	37.49	36.3	35.41	-1.196	-2.082	18.31	9.42	682.5	884	0
8/7/2014 16:00	73470	15	219	3.508	194.1	19.09	4.852	188.2	15.4	5.883	181.6	12.24	36.98	36.18	35.45	-0.798	-1.53	18.43	9.1	315.8	884	0
8/7/2014 16:15	73471	15	219	3.504	186.2	14.92	4.934	179.7	10.95	5.958	174.7	7.624	36.49	35.86	35.15	-0.631	-1.343	19.2	9.31	221.9	884	0
8/7/2014 16:30	73472	15	219	3.359	185	15.28	4.966	178.4	12.74	6.071	173.2	10.11	36.36	35.83	35.24	-0.529	-1.121	19.25	9.25	147.7	884	0
8/7/2014 16:45	73473	15	219	2.861	248.7	44.82	3.863	248.2	42.56	4.829	249	39.61	33.72	33.39	32.78	-0.33	-0.935	26.16	11.59	77.57	884	0
8/7/2014 17:00	73474	15	219	3.679	327.6	14.24	5.269	323.6	11.57	7.024	319.7	10.1	33.08	32.82	32.26	-0.261	-0.824	27.04	11.63	72.75	884	0
8/7/2014 17:15	73475	15	219	3.95	335.5	15.02	5.756	330.2	10.71	7.463	325.4	9.76	32.22	32.13	31.77	-0.086	-0.446	30.12	12.52	87.1	884	0
8/7/2014 17:30	73476	15	219	3.646	354.3	21.33	5.363	349.7	17.56	6.692	347.2	16.78	32.09	31.96	31.67	-0.132	-0.421	30.14	12.42	94.1	884	0
8/7/2014 17:45	73477	15	219	2.956	25.67	20.97	4.632	19.52	15.07	5.392	5.344	11.55	31.97	31.78	31.74	-0.193	-0.231	30.35	12.41	72.92	884	0
8/7/2014 18:00	73478	15	219	2.268	17.92	14.5	3.536	12.94	10.13	5.25	11.74	6.725	30.89	30.71	30.92	-0.18	0.025	35.02	13.68	32.88	885	0
8/7/2014 18:15	73479	15	219	3.483	28.44	14.58	5.452	24.02	8.99	7.322	22.3	6.81	30.42	30.26	29.91	-0.16	-0.509	36.67	13.97	13.84	885	0
8/7/2014 18:30	73480	15	219	4.77	29.38	14.15	7.466	25.13	7.429	9.91	23.17	4.835	29.48	29.3	28.85	-0.181	-0.633	38.72	13.98	8.45	885	0
8/7/2014 18:45	73481	15	219	4.661	37.64	15.03	7.47	32.72	8.05	10.19	29.56	5.357	28.53	28.34	27.92	-0.197	-0.614	42.85	14.7	3.228	885	0
8/7/2014 19:00	73482	15	219	2.855	18.45	28.33	4.342	18.7	23	6.651	28.42	11.02	28.03	28.1	27.83	0.067	-0.198	44.77	14.9	1.556	886	0
8/7/2014 19:15	73483	15	219	3.182	312.8	42.74	4.565	310.4	40.93	5.758	321.1	42.89	27.42	27.78	27.82	0.356	0.4	49.29	15.86	1.608	887	0
8/7/2014 19:30	73484	15	219	3.086	345.8	16.46	4.618	342.5	12.49	6.359	342.4	10.59	27.22	27.39	27.52	0.165	0.3	48.75	15.5	1.465	887	0
8/7/2014 19:45	73485	15	219	3.436	10.39	17.37	5.481	7.332	13.79	8.28	5.343	9.95	26.38	26.47	26.62	0.089	0.239	53.49	16.19	1.312	887	0
8/7/2014 20:00	73486	15	219	3.344	17.9	15.74	5.243	14.85	10.98	8.07	13.32	4.91	26.09	26.14	26.2	0.049	0.113	54.78	16.3	1.365	887	0
8/7/2014 20:15	73487	15	219	3.005	24.75	17.84	4.837	20.36	13.09	7.607	16.68	8.32	26.27	26.3	26.23	0.031	-0.04	53.51	16.1	1.251	887	0
8/7/2014 20:30	73488	15	219	3.35	17.6	15.45	4.96	14.36	9.91	7.246	13.85	8.38	26.43	26.44	26.28	0.01	-0.144	51.39	15.61	1.308	887	0
8/7/2014 20:45	73489	15	219	2.83	30.38	15.17	4.78	27.2	9.37	7.703	25.09	6.684	26.7	26.76	26.68	0.058	-0.015	49.32	15.22	1.521	887	0
8/7/2014 21:00	73490	15	219	2.875	18.59	20.21	4.632	16.6	15.4	7.044	20.84	10.48	26.79	26.87	26.85	0.074	0.054	47.46	14.71	1.195	887	0
8/7/2014 21:15	73491	15	219	2.373	319.7	23.23	3.293	318.3	23.02	4.743	326.7	23.98	25.99	25.9	25.58	-0.091	-0.409	52.63	15.57	0.933	888	0
8/7/2014 21:30	73492	15	219	3.251	314.1	14.8	4.264	309.8	14.27	5.779	310	10.62	25.07	24.9	24.57	-0.174	-0.506	59.1	16.54	0.964	888	0
8/7/2014 21:45	73493	15	219	2.075	319.4	12.63	2.991	316.1	8.76	5.328	314	4.718	24.87	24.77	24.63	-0.102	-0.246	59.98	16.59	1.047	888	0
8/7/2014 22:00	73494	15	219	2.444	329.6	13.49	3.818	325.3	9.85	5.464	320.8	8.32	24.91	24.82	24.47	-0.087	-0.434	61.95	17.13	1.107	888	0
8/7/2014 22:15	73495	15	219	3.095	331.9	12.57	4.664	326.6	9.06	6.655	322.5	7.234	24.8	24.71	24.35	-0.086	-0.441	64.82	17.74	1.242	888	0
8/7/2014 22:30	73496	15	219	3.336	325	14.22	4.758	321.7	9.78	6.533	317.7	7.136	24.59	24.49	24.11	-0.108	-0.481	64.18	17.4	1.025	888	0
8/7/2014 22:45	73497	15	219	3.713	331.1	12.98	5.569	326.6	9.05	7.61	321.4	6.552	24.19	24.1	23.72	-0.096	-0.474	63.21	16.78	1.263	888	0
8/7/2014 23:00	73498	15	219	3.871	340	15.15	6.098	335.2	9.12	8.32	329.5	6.856	23.79	23.72	23.38	-0.073	-0.404	64.27	16.66	1.325	888	0
8/7/2014 23:15	73499	15	219	4.003	0.093	17.47	5.902	355.1	15.34	7.832	350.6	9.66	23.71	23.66	23.39	-0.049	-0.32	64.6	16.66	1.307	888	0
8/7/2014 23:30	73500	15	219	2.964	353.1	16.75	4.624	351.3	13.56	6.61	347	6.896	23.59	23.6	23.38	0.003	-0.218	64.47	16.52	1.078	888	0
8/7/2014 23:45	73501	15	219	2.886	348.4	15.29	4.604	344	7.871	5.987	340.4	4.559	23.38	23.42	23.17	0.043	-0.205	64.83	16.4	0.978	888	0
8/8/2014 0:00	73502	15	220	2.851	351.7	15.02	4.523	346.9	10.27	5.898	345.2	7.245	23.06	23.13	22.9	0.061	-0.169	65.7	16.31	1.217	888	0
8/8/2014 0:15	73503	15	220	1.588	16.17	20.15	2.899	10.66	15.4	4.909	5.568	10.37	22.59	22.73	22.72	0.14	0.135	67.48	16.28	0.949	888	0
8/8/2014 0:30	73504	15	220	1.209	53.9	24.17	2.17	46.09	11.42	4.223	24.63	5.91	22.26	22.61	22.86	0.354	0.594	68.87	16.29	0.705	889	0
8/8/2014 0:45	73505	15	220	1.231	334.5	12.61	2.147	354.4	17.15	3.889	1.194	9.05	21.6	22.42	22.97	0.814	1.366	71.16	16.17	0.772	888	0
8/8/2014 1:00	73506	15	220	1.615	292.5	13.95	2.556	289.6	12.61	2.926	310.3	15.66	21.78	22.02	22.41	0.235	0.623	70.69	16.24	0.952	888	0
8/8/2014 1:15	73507	15	220	1.574	285	10.62	2.561	283.4	7.189	4.328	285.8	6.263	21.76	21.81	22.09	0.053	0.338	70.28	16.12	0.999	888	0
8/8/2014 1:30	73508	15	220	2.396	280.4	11.3	3.852	277.8	6.321	5.926	277.1	3.259	21.48	21.42	21.15	-0.055	-0.325	71.99	16.23	1.219	888	0
8/8/2014 1:45	73509	15	220	2.215	297.3	15.07	2.722	291.9	10.27	4.697	288.7	5.83	21.01	20.87	20.72	-0.132	-0.284	75.36	16.5	1.009	888	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/8/2014 2:00	73510	15	220	1.901	305.8	12.96	2.281	299.9	9.55	3.125	294.8	5.59	20.72	20.63	20.42	-0.09	-0.298	77.56	16.67	0.838	888	0
8/8/2014 2:15	73511	15	220	1.147	330.1	20.22	2.012	320.5	13.72	3.429	308.6	6.737	20.3	20.37	20.39	0.071	0.092	79.63	16.67	0.785	888	0
8/8/2014 2:30	73512	15	220	1.171	1.506	13.4	2.589	349.7	10.38	4.849	323.6	5.527	19.73	20.1	20.54	0.37	0.813	82.1	16.6	1.024	888	0
8/8/2014 2:45	73513	15	220	1.028	8.77	13.33	2.534	357.9	10.84	5.363	330.3	2.648	19.34	19.78	20.67	0.439	1.327	83.8	16.54	0.99	888	0
8/8/2014 3:00	73514	15	220	1.204	18.97	18.32	2.752	3.619	13.63	6.319	334	6.524	19.18	19.64	21.07	0.466	1.891	84.7	16.55	1.101	888	0
8/8/2014 3:15	73515	15	220	1.514	35.01	13.38	3.242	24.38	7.135	6.513	347.5	3.853	19.04	19.36	21.24	0.318	2.198	85.1	16.5	1.208	888	0
8/8/2014 3:30	73516	15	220	1.506	44.14	12.53	3.036	35.27	5.614	5.967	1.709	12.06	19.07	19.39	21.07	0.321	2.005	85.5	16.59	1.115	888	0
8/8/2014 3:45	73517	15	220	1.645	31.82	15.49	3.345	24.55	9.17	6.542	358.4	10.94	19.31	19.72	21.36	0.411	2.052	84.6	16.66	1.203	888	0
8/8/2014 4:00	73518	15	220	1.572	35.88	12.83	3.367	26.03	5.695	6.804	2.961	10.26	19.22	19.64	21.36	0.422	2.142	84.2	16.51	1.199	888	0
8/8/2014 4:15	73519	15	220	1.978	25.6	13.52	3.793	22.09	7.926	7.368	5.462	2.086	19.23	19.5	21.06	0.272	1.834	85.2	16.7	1.353	888	0
8/8/2014 4:30	73520	15	220	2.563	28.37	13.21	4.526	24.44	6.226	8.31	11.77	2.784	19.7	19.8	20.83	0.107	1.13	84.4	17.02	1.351	888	0
8/8/2014 4:45	73521	15	220	2.502	29.43	13.73	4.446	26.03	7.707	7.824	17.17	2.504	20.09	20.16	20.66	0.065	0.565	82.3	17	1.591	888	0
8/8/2014 5:00	73522	15	220	2.323	9.46	15.35	4.017	7.348	10.95	6.744	8.51	3.534	20.15	20.23	20.49	0.075	0.335	81.8	16.96	1.429	888	0
8/8/2014 5:15	73523	15	220	2.598	36.42	13.81	4.393	31.53	9.51	7.461	23.57	4.544	20.23	20.31	20.75	0.072	0.519	81.7	17.02	3.012	888	0
8/8/2014 5:30	73524	15	220	2.641	40.18	12.47	4.476	34.91	6.418	7.581	25.3	2.906	20.56	20.69	21.54	0.125	0.976	78.87	16.78	15.35	888	0
8/8/2014 5:45	73525	15	220	2.331	48.71	12.39	3.9	42.59	7.27	7.138	33.12	2.683	20.88	20.96	21.71	0.079	0.829	77.5	16.82	46.86	888	0
8/8/2014 6:00	73526	15	220	2.422	52.42	12.81	3.999	47.69	6.762	7.227	38.67	2.205	21.26	21.3	22.32	0.043	1.062	75.49	16.77	64.87	888	0
8/8/2014 6:15	73527	15	220	2.224	43.16	13.93	3.883	40.62	7.594	6.904	37.12	3.924	21.7	21.68	22.12	-0.016	0.424	73.75	16.82	89.2	888	0
8/8/2014 6:30	73528	15	220	2.874	54.36	12.71	4.3	51.08	7.361	6.62	49.27	4.064	22.7	22.31	22.08	-0.392	-0.628	70.38	17.05	235.7	888	0
8/8/2014 6:45	73529	15	220	3.35	66.41	12.87	4.735	61.67	8.52	5.897	59.58	5.336	23.92	23.5	23.05	-0.416	-0.87	63.69	16.63	261.6	888	0
8/8/2014 7:00	73530	15	220	3.111	77.03	12.45	4.299	71.9	8.52	5.053	71.09	5.672	25.41	25	24.44	-0.412	-0.965	55.91	15.97	285	889	0
8/8/2014 7:15	73531	15	220	3.245	88.5	13.68	4.366	84	9.92	5.05	80.8	6.02	26.63	26.05	25.42	-0.574	-1.206	50.03	15.37	416.7	889	0
8/8/2014 7:30	73532	15	220	3.192	88.6	16	4.282	85.5	10.63	4.722	84.5	5.764	27.23	26.53	25.89	-0.702	-1.337	47.1	14.99	445.5	889	0
8/8/2014 7:45	73533	15	220	3.148	99.6	14.91	4.326	95	9.55	4.665	91	6.762	28.01	27.09	26.42	-0.922	-1.587	45.2	15.05	539.5	889	0
8/8/2014 8:00	73534	15	220	3.22	103.4	14.96	4.279	99.7	9.42	4.795	98.5	6.975	28.4	27.37	26.61	-1.033	-1.792	44.22	15.08	606.5	889	0
8/8/2014 8:15	73535	15	220	2.892	108.8	18.57	3.935	104.2	12.99	4.512	101.9	8.32	29.03	27.87	27.05	-1.162	-1.977	42.27	14.93	660.4	889	0
8/8/2014 8:30	73536	15	220	2.824	120.4	18.69	3.743	115.5	12.64	4.164	112.4	8.51	29.46	28.2	27.49	-1.268	-1.975	39.86	14.41	715.3	889	0
8/8/2014 8:45	73537	15	220	2.69	121.9	18.52	3.434	117.8	14.94	4.091	117.6	12.59	30.3	29.14	28.24	-1.161	-2.055	37.12	14.05	772.6	889	0
8/8/2014 9:00	73538	15	220	2.794	123.5	22.76	3.705	118.7	18.12	4.43	117.5	14.75	30.65	29.35	28.42	-1.302	-2.229	35.33	13.6	827	889	0
8/8/2014 9:15	73539	15	220	2.166	146.2	43.18	2.837	141.6	35.96	3.106	129.7	22.99	30.68	29.38	28.66	-1.303	-2.019	34.05	13.07	879	889	0
8/8/2014 9:30	73540	15	220	1.481	230.4	70.05	1.94	210.6	68.49	2.053	195.7	54.97	30.62	29.74	28.94	-0.888	-1.683	33.73	12.87	897	889	0
8/8/2014 9:45	73541	15	220	1.471	106.4	79.99	1.762	100.4	67.63	2.119	98.9	34.16	30.8	30.08	29.39	-0.723	-1.418	33.14	12.76	987	889	0
8/8/2014 10:00	73542	15	220	1.559	152	98.3	1.616	142	91.2	1.578	144.1	72.06	31.63	30.36	29.76	-1.265	-1.867	31.33	12.61	1041	889	0
8/8/2014 10:15	73543	15	220	1.768	60.37	65.07	2.254	64.09	53.72	2.646	65.53	35.51	32.09	31	30.12	-1.086	-1.962	30.47	12.58	1070	889	0
8/8/2014 10:30	73544	15	220	2.145	65.36	49.31	2.78	63.43	47.55	3.135	67.08	42.98	32.91	31.66	30.74	-1.25	-2.167	28.24	12.13	1096	889	0
8/8/2014 10:45	73545	15	220	2.883	34.83	99.6	3.354	47.03	96.7	3.574	72.35	79.01	33.72	32.19	31.32	-1.531	-2.392	25.77	11.41	1138	888	0
8/8/2014 11:00	73546	15	220	2.628	171.2	37.13	3.444	162.4	30.98	3.941	155.9	22.89	34.16	32.45	31.58	-1.705	-2.573	24.31	10.91	1201	888	0
8/8/2014 11:15	73547	15	220	2.469	157.6	55.03	3.095	150.6	39.23	3.597	145.7	29.45	34.02	32.55	31.6	-1.471	-2.414	23.25	10.12	1109	888	0
8/8/2014 11:30	73548	15	220	3.111	133	28.48	4.11	128.8	20.92	4.815	127	15.47	34.7	32.79	31.83	-1.91	-2.87	23.25	10.7	1240	888	0
8/8/2014 11:45	73549	15	220	3.312	130.7	40.96	4.425	124.9	27.48	5.116	125.2	16.51	35.06	33	32.09	-2.062	-2.977	21.51	9.83	1251	888	0
8/8/2014 12:00	73550	15	220	3.576	121	27.23	4.766	115	22.43	5.762	111.9	18.74	35.74	33.78	32.49	-1.96	-3.248	20.51	9.69	1251	888	0
8/8/2014 12:15	73551	15	220	3.492	122.8	30.2	4.609	118.9	25.78	5.274	121.5	20.53	35.05	33.37	32.35	-1.675	-2.693	20.96	9.43	764.2	888	0
8/8/2014 12:30	73552	15	220	4.034	157.5	20.78	5.419	153.6	16.06	6.386	151.5	13.72	35.84	33.74	32.69	-2.096	-3.153	19.98	9.37	1140	887	0
8/8/2014 12:45	73553	15	220	3.75	162.6	25.22	5.013	155.8	19.6	6.07	151.6	15.66	35.03	33.49	32.49	-1.537	-2.542	20.65	9.2	898	887	0
8/8/2014 13:00	73554	15	220	4.337	170.4	25.53	6.027	165.6	21.51	6.746	162.1	18	36.63	34.15	33.09	-2.485	-3.544	18.54	8.91	1290	887	0
8/8/2014 13:15	73555	15	220	4.259	191	26.55	5.638	186.6	25.25	6.439	183.1	17.4	36.41	34.03	32.96	-2.383	-3.453	18.51	8.71	1279	887	0
8/8/2014 13:30	73556	15	220	3.116	165.6	34.84	3.985	162.6	32.54	4.887	153	33.06	36.28	34.48	33.46	-1.804	-2.825	18.02	8.21	1255	887	0
8/8/2014 13:45	73557	15	220	3.538	154.3	24.56	4.819	146.3	19.05	5.585	143.7	18.9	35.95	34.27	33.26	-1.682	-2.691	18.27	8.14	776.5	887	0
8/8/2014 14:00	73558	15	220	4.078	144.4	28.85	5.54	137.2	25.16	6.293	138.1	22.92	36.19	34.36	33.35	-1.832	-2.841	20.14	9.78	924	887	0
8/8/2014 14:15	73559	15	220	3.413	144.4	21.75	4.602	138.6	18.39	5.388	132.7	21.17	35.46	33.93	32.97	-1.527	-2.492	21.25	9.99	739.8	887	0
8/8/2014 14:30	73560	15	220	2.937	173.7	24.6	3.803	171.2	22.1	4.692	169.6	18.79	35.47	34.05	33.2	-1.413	-2.268	20.56	9.5	747.1	886	0
8/8/2014 14:45	73561	15	220	3.031	196	22.25	4.1	192.1	18.37	4.849	188.7	15.46	35.19	33.91	33.09	-1.28	-2.108	21.1	9.67	495.4	886	0
8/8/2014 15:00	73562	15	220	2.626	165.2	37.68	3.504	157	33.93	4.261	148.7	29.58	35.06	33.89	33.12	-1.173	-1.938	21.5	9.84	483.4	886	0
8/8/2014 15:15	73563	15	220	2.766	163.7	33.69	3.687	154.9	32.07	4.146	149.9	27.59	34.96	33.95	33.11	-1.009	-1.844	21.05	9.43	361.8	886	0
8/8/2014 15:30	73564	15	220	1.782	295.6	70.92	2.388	303.7	70.09	2.471	297.4	61.51	33.27	32.63	32.04	-0.646	-1.235	27.07	11.68	317.9	886	0
8/8/2014 15:45	73565	15	220	1.837	306.3	44.49	2.265	306	38.87	2.97	300.7	22.43	32.96	32.38	31.86	-0.577	-1.102	29.19	12.68	244.1	886	0
8/8/2014 16:00	73566	15	220	3.606	323	13.4	4.984	320	9.59	6.019	316.1	7.218	32.96	32.41	31.67	-0.546	-1.291	27.22	11.62	154.7	886	0
8/8/2014 16:15	73567	15	220	2.923	333.3	14.96	4.22	332	9.59	4.716	326.9	7.014	32.56	32.09	31.54	-0.469	-1.023	27.87	11.64	88.6	886	0
8/8/2014 16:30	73568	15	220	2.488	327	16.47	3.35	326.2	14.76	4.168	320.9	8.22	32.73	32.31	31.73	-0.411	-0.999	27.02	11.31	128.5	886	0

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Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/8/2014 16:45	73569	15	220	2.386	319.9	15.74	3.106	316.7	11.07	3.684	312.3	7.117	32.94	32.57	31.99	-0.365	-0.945	25.95	10.88	129	886	0
8/8/2014 17:00	73570	15	220	1.989	335.1	17.85	2.744	328.7	13.87	3.328	320.5	7.91	33.02	32.62	32.05	-0.403	-0.972	26.24	11.11	171.9	886	0
8/8/2014 17:15	73571	15	220	2.546	335.6	15.9	3.522	332.4	11.44	4.222	327.6	8.4	33.1	32.68	32.07	-0.42	-1.032	25.88	10.98	202.1	886	0
8/8/2014 17:30	73572	15	220	3.51	333.8	12.99	4.935	329.7	8.96	5.734	325	6.658	32.2	31.84	31.24	-0.356	-0.955	28.99	11.92	144.8	886	0
8/8/2014 17:45	73573	15	220	3.516	345.1	17.26	5.1	341.1	14.11	6.146	336.9	10.91	31.31	31.02	30.43	-0.289	-0.873	33.8	13.48	106.4	886	0
8/8/2014 18:00	73574	15	220	3.298	348.7	14.92	4.839	345.1	10.46	5.964	338.5	6.323	30.86	30.67	30.19	-0.185	-0.665	34.19	13.28	89.3	886	0
8/8/2014 18:15	73575	15	220	2.826	351.3	15.84	4.308	347.3	11.42	5.486	343.3	8.62	30.95	30.82	30.37	-0.127	-0.583	32.78	12.72	70.53	886	0
8/8/2014 18:30	73576	15	220	2.128	354	15.18	3.149	350.6	10.64	4.399	347.8	8.94	30.76	30.79	30.47	0.028	-0.288	32.51	12.42	24.32	886	0
8/8/2014 18:45	73577	15	220	1.753	357.2	14.74	2.992	354.1	11.59	4.59	350.4	7.597	30.51	30.69	30.54	0.178	0.026	32.27	12.1	5.921	886	0
8/8/2014 19:00	73578	15	220	1.556	18.63	12.96	2.86	14.32	7.512	4.732	7.449	5.406	30.1	30.33	30.4	0.228	0.298	32.29	11.75	2.024	886	0
8/8/2014 19:15	73579	15	220	1.151	15.18	13.08	2.416	16.63	6.002	4.764	18.94	5.52	29.59	29.86	30.05	0.276	0.465	33.57	11.89	0.895	886	0
8/8/2014 19:30	73580	15	220	1.034	20.91	11.64	2.218	21.79	5.138	4.771	19.24	2.578	29.16	29.53	29.84	0.365	0.684	35.25	12.26	0.879	886	0
8/8/2014 19:45	73581	15	220	1.262	28.23	14.11	2.567	27.21	7.748	4.986	24.47	4.259	29.06	29.35	29.87	0.288	0.816	36.41	12.66	0.941	887	0
8/8/2014 20:00	73582	15	220	1.024	38.3	12.73	2.309	35.12	6.452	4.827	23.93	3.319	28.88	29.23	29.92	0.35	1.041	37.31	12.88	1.057	887	0
8/8/2014 20:15	73583	15	220	1.137	40.86	12.28	2.483	38.23	4.645	5.184	25.26	2.068	28.8	29.21	30.06	0.402	1.255	38.14	13.15	1.155	887	0
8/8/2014 20:30	73584	15	220	1.037	56.01	10.95	2.295	52.96	7.279	4.589	37.72	4.802	28.75	29.15	29.95	0.399	1.201	38.43	13.22	0.798	887	0
8/8/2014 20:45	73585	15	220	0.96	61.27	17.99	2.23	61.87	7.494	4.533	47.94	6.23	28.55	29.09	29.93	0.543	1.382	38.77	13.17	0.87	888	0
8/8/2014 21:00	73586	15	220	1.421	74.25	10.58	2.881	65.72	3.812	4.949	53.89	2.063	28.76	29.31	29.88	0.545	1.116	37.87	13.01	0.892	888	0
8/8/2014 21:15	73587	15	220	1.48	71.53	17.38	2.942	60.65	9.89	5.246	57.17	3.993	28.75	29.2	30	0.453	1.249	36.9	12.6	0.991	888	0
8/8/2014 21:30	73588	15	220	1.338	80.1	15.04	2.542	72.28	7.973	4.641	67.18	3.595	29.02	29.48	29.97	0.463	0.955	35.1	12.07	0.863	888	0
8/8/2014 21:45	73589	15	220	1.415	77.11	14.08	2.594	69.4	7.015	4.874	69.35	3.39	28.87	29.19	29.57	0.318	0.702	35	11.9	0.869	888	0
8/8/2014 22:00	73590	15	220	1.403	64.88	10.25	2.773	66.06	4.945	4.904	77.25	6.048	28.41	28.88	29.75	0.467	1.34	36.24	12.02	0.835	888	0
8/8/2014 22:15	73591	15	220	1.217	13.31	46.6	2.287	28.29	46.07	3.642	70.86	36.3	27.93	28.38	29.45	0.451	1.514	37.98	12.31	0.831	888	0
8/8/2014 22:30	73592	15	220	1.409	352	18.66	2.222	347.7	16.93	2.315	8.93	35.83	27.54	27.96	28.37	0.417	0.827	42.62	13.72	0.654	888	0
8/8/2014 22:45	73593	15	220	1.048	43.53	22.86	1.832	35.78	13.57	2.461	68.48	16.57	27.52	28.41	29.04	0.883	1.517	41.49	13.3	0.646	888	0
8/8/2014 23:00	73594	15	220	0.757	1.853	35.27	1.63	344.3	19.1	2.015	15.87	36.84	27.24	27.69	28.59	0.451	1.352	41.28	12.96	0.658	888	0
8/8/2014 23:15	73595	15	220	0.754	15.46	54.26	1.197	13.96	64.22	1.502	134.9	88.2	27.32	28.13	28.78	0.802	1.46	41.37	13.07	0.608	888	0
8/8/2014 23:30	73596	15	220	0.892	178	30.95	1.6	173.7	17.57	3.114	178.5	14.66	27.97	28.77	28.88	0.797	0.91	37.22	12.04	0.846	888	0
8/8/2014 23:45	73597	15	220	1.493	179.8	12.36	2.648	178.1	8.35	4.54	179	6.301	27.84	28.62	28.85	0.784	1.009	36.4	11.58	1.092	888	0
8/9/2014 0:00	73598	15	221	1.709	172.7	11.36	3.186	171	7.6	5.676	169	6.146	27.64	28.4	28.73	0.763	1.089	37.28	11.77	1.204	888	0
8/9/2014 0:15	73599	15	221	3.168	168.2	11.19	4.858	163.8	7.389	7.216	162.8	4.412	28.36	28.69	28.76	0.33	0.392	36.72	12.18	1.3	888	0
8/9/2014 0:30	73600	15	221	3.484	174.6	12.06	5.363	167.9	7.453	7.982	167.6	4.877	28.48	28.73	28.68	0.245	0.2	36.47	12.18	1.448	888	0
8/9/2014 0:45	73601	15	221	3.099	174.9	11.94	4.734	169.3	7.323	7.333	168.1	3.804	28.3	28.54	28.51	0.233	0.203	36.87	12.19	1.123	888	0
8/9/2014 1:00	73602	15	221	2.542	175.7	10.81	3.971	170	6.536	6.369	170.1	4.028	27.96	28.26	28.31	0.301	0.35	37.53	12.16	1.086	888	0
8/9/2014 1:15	73603	15	221	2.259	170.6	11.34	3.74	166	6.866	6.254	166.8	3.466	27.65	28.02	28.14	0.376	0.489	38.28	12.18	1.073	888	0
8/9/2014 1:30	73604	15	221	2.34	172.7	11.77	3.714	168.2	7.452	6.137	167.9	4.409	27.58	27.92	28	0.333	0.417	38.42	12.18	1.109	888	0
8/9/2014 1:45	73605	15	221	1.984	176.3	11.89	3.376	171.1	6.861	5.512	172.7	4.724	27.29	27.74	27.84	0.45	0.55	38.84	12.08	0.893	888	0
8/9/2014 2:00	73606	15	221	1.436	159.7	17.83	2.779	158.3	12.64	4.407	163.6	5.315	26.28	27.17	27.54	0.891	1.256	40.86	11.95	0.898	888	0
8/9/2014 2:15	73607	15	221	1.623	139.4	10.18	3.207	137	5.744	3.985	151.3	6.567	25.54	26.72	27.24	1.179	1.7	42.96	12.04	0.791	888	0
8/9/2014 2:30	73608	15	221	1.655	129.5	10	3.614	128.2	4.501	4.847	145.2	1.801	25.55	26.48	27.23	0.924	1.68	43.47	12.24	0.82	888	0
8/9/2014 2:45	73609	15	221	1.699	132.1	11.87	3.363	126.4	5.491	5.642	139.9	2.325	25.83	26.33	27.12	0.5	1.281	42.77	12.24	1.063	888	0
8/9/2014 3:00	73610	15	221	1.753	136.5	11.07	3.123	130.1	6.897	5.702	140.8	4.552	25.92	26.31	26.93	0.394	1.016	42.72	12.3	1.058	888	0
8/9/2014 3:15	73611	15	221	1.834	137.2	8.98	3.293	133.1	4.681	5.584	142.2	2.578	25.86	26.27	26.69	0.405	0.83	42.63	12.22	0.976	888	0
8/9/2014 3:30	73612	15	221	1.286	137.8	11.51	2.742	133.8	5.48	4.902	140.3	3.762	25.34	25.96	26.42	0.627	1.087	43.93	12.2	0.92	888	0
8/9/2014 3:45	73613	15	221	1.218	127.1	12.03	2.639	121	6.512	4.904	127.5	3.772	25.21	25.72	26.14	0.513	0.933	44.56	12.3	0.926	888	0
8/9/2014 4:00	73614	15	221	1.707	119.6	11.81	3.065	116	7.33	5.507	119.5	6.333	25.28	25.67	25.92	0.383	0.641	44.23	12.26	1.023	888	0
8/9/2014 4:15	73615	15	221	2.048	122	13.35	3.472	115.3	8.54	6.037	113.5	4.198	25.44	25.7	25.78	0.259	0.34	43.61	12.19	1.141	888	0
8/9/2014 4:30	73616	15	221	2.583	125.5	13.13	3.991	120.1	7.741	6.432	119.5	4.44	25.51	25.74	25.71	0.23	0.199	43	12.03	1.127	888	0
8/9/2014 4:45	73617	15	221	2.475	114	12.48	4.062	109.8	7.799	6.508	108.6	5.265	24.95	25.23	25.25	0.278	0.301	44.21	11.95	1.109	888	0
8/9/2014 5:00	73618	15	221	2.566	111.2	12.5	4.136	107.4	7.423	6.995	106.9	3.367	24.6	24.89	24.98	0.296	0.386	45.36	12.02	1.134	888	0
8/9/2014 5:15	73619	15	221	2.74	111.3	11.44	4.258	107.8	6.86	6.96	106.7	3.347	24.15	24.43	24.52	0.279	0.372	46.64	12.03	2.42	888	0
8/9/2014 5:30	73620	15	221	2.746	117.7	12.93	4.557	111.5	8.25	7.647	107.1	4.612	23.89	24.18	24.3	0.287	0.404	47.81	12.18	13.57	888	0
8/9/2014 5:45	73621	15	221	2.931	108.4	13.26	4.524	103.8	7.768	7.258	102.4	4.601	23.88	24.06	24.03	0.18	0.145	48.13	12.27	43.64	889	0
8/9/2014 6:00	73622	15	221	3.16	105.6	12.97	4.711	101.4	8.04	7.38	100.1	4.454	23.96	23.98	23.81	0.027	-0.142	48.85	12.56	92.3	889	0
8/9/2014 6:15	73623	15	221	3.538	105.6	12.85	5.21	101.2	7.846	7.21	100.6	4.499	24.21	24.07	23.68	-0.143	-0.529	49.02	12.85	144.5	889	0
8/9/2014 6:30	73624	15	221	3.924	112	13.12	5.597	107.4	8.69	7.462	106.3	6.198	24.57	24.28	23.77	-0.297	-0.8	49.16	13.23	211.6	889	0
8/9/2014 6:45	73625	15	221	4.219	113	12.92	6.284	107.8	7.502	7.792	106.4	5.72	25.05	24.58	23.96	-0.477	-1.09	48.68	13.51	280.1	889	0
8/9/2014 7:00	73626	15	221	4.281	116	13.49	6.335	111.3	7.747	7.89	109.7	6.023	25.43	24.81	24.15	-0.621	-1.278	48.31	13.74	336.1	889	0
8/9/2014 7:15	73627	15	221	4.272	115.7	14.61	6.185	111.4	9.42	7.693	110.1	6.253	26.05	25.3	24.52	-0.756	-1.535	47.48	14.04	401.3	889	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/9/2014 7:30	73628	15	221	4.122	118.2	15.25	6.028	113.3	8.39	7.187	110.9	6.359	26.76	25.83	25.1	-0.936	-1.669	46.14	14.25	459.1	889	0
8/9/2014 7:45	73629	15	221	3.652	120.5	15.67	5.315	115.7	10.65	6.476	113.4	8.1	27.51	26.49	25.65	-1.017	-1.866	44.62	14.41	523.2	889	0
8/9/2014 8:00	73630	15	221	3.483	139.8	19.06	4.918	131.1	13.86	5.702	126.9	11.61	28.24	27.05	26.25	-1.187	-1.994	42.24	14.21	591.1	889	0
8/9/2014 8:15	73631	15	221	3.365	160	16.61	4.553	153.6	12.97	5.372	149.2	8.82	28.84	27.58	26.75	-1.259	-2.093	40.25	14.01	655.4	889	0
8/9/2014 8:30	73632	15	221	2.9	186.1	21.92	3.904	180.9	18.32	4.554	174.2	14.55	29.51	28.15	27.27	-1.36	-2.246	39.03	14.13	715.6	889	0
8/9/2014 8:45	73633	15	221	2.641	173.3	23.78	3.519	168	20.39	4.227	166.5	19.54	29.94	28.48	27.57	-1.457	-2.367	37.46	13.88	773	890	0
8/9/2014 9:00	73634	15	221	2.541	167.3	27.2	3.285	162	20.08	3.638	165.9	17.2	30.12	28.69	27.91	-1.42	-2.207	36.6	13.68	826	890	0
8/9/2014 9:15	73635	15	221	2.656	150.9	42.9	3.587	152.9	30.31	4.045	154.1	17.06	30.7	29.21	28.4	-1.484	-2.295	35.94	13.91	881	890	0
8/9/2014 9:30	73636	15	221	2.714	150.6	35.5	3.628	142.2	31.45	4.34	134.5	21.27	31.19	29.73	28.85	-1.459	-2.337	35.33	14.08	929	890	0
8/9/2014 9:45	73637	15	221	2.759	138.8	25.72	3.699	136.2	18.66	4.284	135.1	14.34	31.52	29.92	29.06	-1.608	-2.463	34.23	13.88	972	890	0
8/9/2014 10:00	73638	15	221	2.601	173.3	31.67	3.376	171.5	26.28	3.886	168.8	19.97	32.02	30.32	29.55	-1.7	-2.475	32.78	13.64	1017	890	0
8/9/2014 10:15	73639	15	221	2.422	154.3	39.58	3.182	144.7	32.32	3.835	140.5	28.1	32.23	30.57	29.79	-1.664	-2.448	32.22	13.57	1058	890	0
8/9/2014 10:30	73640	15	221	2.195	196.1	31.27	2.962	188.2	26.3	3.438	181.8	27.42	32.53	30.98	30.18	-1.55	-2.353	31.22	13.34	1087	890	0
8/9/2014 10:45	73641	15	221	2.45	203.6	62.94	2.938	198.3	61.56	3.464	197.4	50.81	32.81	31.42	30.44	-1.389	-2.368	30.36	13.14	1117	889	0
8/9/2014 11:00	73642	15	221	2.099	138.2	73.73	2.498	131.5	68.16	2.919	141.9	38.4	33.07	31.72	30.79	-1.357	-2.285	29.1	12.73	1167	889	0
8/9/2014 11:15	73643	15	221	2.941	147.6	42.43	3.948	144	36.84	4.91	147.9	29.89	34.28	32.25	31.16	-2.026	-3.123	27.21	12.73	1239	889	0
8/9/2014 11:30	73644	15	221	2.592	129.2	51.41	3.417	120.4	39.1	3.833	117.7	35	34.05	32.49	31.58	-1.564	-2.47	27.09	12.47	1112	889	0
8/9/2014 11:45	73645	15	221	2.789	187.9	40.82	3.64	182.9	37.51	4.106	175.1	30.99	33.93	32.32	31.39	-1.609	-2.535	26.23	11.88	730.6	889	0
8/9/2014 12:00	73646	15	221	1.955	155.7	60.76	2.362	149.2	57.67	2.559	148.2	51.66	33.51	32.32	31.69	-1.185	-1.817	26.92	11.92	775.7	888	0
8/9/2014 12:15	73647	15	221	2.799	229.7	29.48	3.73	221.4	29.37	4.376	220.9	26.29	34.28	32.77	31.9	-1.507	-2.378	25.57	11.78	941	888	0
8/9/2014 12:30	73648	15	221	1.716	273.2	39.7	2.376	260.8	23.57	3.06	248.4	22.64	33.64	32.71	32.01	-0.932	-1.624	24.87	10.83	471.5	888	0
8/9/2014 12:45	73649	15	221	1.418	245	57	1.808	233.6	50.23	2.066	227.1	53.25	33.68	32.96	32.3	-0.723	-1.381	25.51	11.25	502.7	888	0
8/9/2014 13:00	73650	15	221	2.6	186.4	36.33	3.498	184.5	27.28	3.982	182.3	23.56	35.34	33.74	32.75	-1.603	-2.596	22.2	10.52	1104	888	0
8/9/2014 13:15	73651	15	221	1.829	237.2	56.12	2.253	225.1	50.29	2.79	205.9	48.99	34.72	33.61	32.79	-1.114	-1.934	21.59	9.62	678.7	888	0
8/9/2014 13:30	73652	15	221	2.062	132.1	46.82	2.734	125.2	37.74	3.136	127.7	31.83	35	33.78	32.92	-1.224	-2.08	20.95	9.4	829	888	0
8/9/2014 13:45	73653	15	221	2.747	189.3	38.11	3.603	189.1	29.87	4.418	197.8	21.23	34.77	33.84	33.07	-0.929	-1.704	20.12	8.61	330.5	888	0
8/9/2014 14:00	73654	15	221	2.313	294.2	32.25	2.897	283.8	26.78	3.203	269.2	27.85	33.37	32.77	32.1	-0.604	-1.266	23.66	9.65	280.5	888	0
8/9/2014 14:15	73655	15	221	4.076	301.8	15.36	4.71	297.1	11.93	5.052	292.8	10.59	32.38	31.55	30.84	-0.83	-1.539	29.24	12.22	273.2	888	0
8/9/2014 14:30	73656	15	221	5.038	315.1	13.98	6.47	311.8	9.25	6.755	306.3	5.662	31.56	30.8	29.98	-0.761	-1.578	31.68	12.7	276.7	888	0
8/9/2014 14:45	73657	15	221	5.65	317.2	12.99	7.336	312.7	8.55	8.32	308.6	4.832	29.16	28.38	27.6	-0.781	-1.555	39.13	13.85	251.2	888	0
8/9/2014 15:00	73658	15	221	5.535	320.7	12.85	7.567	316.6	9.06	8.88	310.9	5.488	28.83	28.1	27.35	-0.725	-1.475	38.68	13.39	256.3	888	0
8/9/2014 15:15	73659	15	221	4.978	322.4	13.39	6.923	319	9.93	8.7	315.4	6.958	28.84	28.17	27.37	-0.671	-1.463	37.63	12.97	256.7	888	0
8/9/2014 15:30	73660	15	221	4.324	320.9	13.05	5.819	316.6	9.49	6.768	309.5	6.201	29.39	28.74	28.09	-0.651	-1.304	34.41	12.09	291.1	888	0
8/9/2014 15:45	73661	15	221	3.117	304.3	13.55	3.317	303.4	10.52	3.808	304.2	9.3	30.31	29.65	29.02	-0.657	-1.285	32.92	12.23	296.9	888	0
8/9/2014 16:00	73662	15	221	2.392	299.8	14.04	2.417	296.9	10.69	2.5	298.3	8.38	30.83	30.19	29.51	-0.635	-1.313	33.17	12.79	341.5	887	0
8/9/2014 16:15	73663	15	221	1.509	293.4	24.3	1.764	292.5	21.75	1.739	295.9	16.96	31.14	30.67	30.16	-0.473	-0.983	32.21	12.62	350.7	887	0
8/9/2014 16:30	73664	15	221	1.612	4.697	20.44	2.167	357.7	18.59	2.869	355.5	16.66	31.66	31.09	30.43	-0.563	-1.228	29.78	11.87	320.7	887	0
8/9/2014 16:45	73665	15	221	1.477	11.79	35.18	2.014	5.404	32.14	2.415	0.516	15.11	31.7	31.13	30.56	-0.56	-1.132	28.24	11.1	316.7	887	0
8/9/2014 17:00	73666	15	221	1.038	55.5	48.3	1.288	39.22	43.29	1.517	41.47	40.73	32.13	31.62	31.08	-0.508	-1.042	27.34	10.98	465.6	887	0
8/9/2014 17:15	73667	15	221	1.833	359.3	32.55	2.425	357	26.79	2.981	355.8	28.23	32.42	31.74	31.09	-0.675	-1.323	26.72	10.88	447	887	0
8/9/2014 17:30	73668	15	221	2.76	300.2	22.73	3.221	291.7	22.22	3.939	291.4	44.12	31.88	31.31	30.51	-0.571	-1.366	27.77	11	406	887	0
8/9/2014 17:45	73669	15	221	4.116	310.9	26.62	5.518	308.3	22.89	6.152	304.2	15.91	30.4	29.71	29.11	-0.689	-1.287	31.65	11.69	196.8	888	0
8/9/2014 18:00	73670	15	221	4.53	308	12.74	5.33	305.7	10.71	5.194	301.3	7.819	29.1	28.55	27.96	-0.554	-1.145	39.83	14.06	103.5	888	0
8/9/2014 18:15	73671	15	221	3.285	319.9	13.77	4.56	316.4	10.09	5.211	310.3	6.95	28.31	27.95	27.41	-0.352	-0.895	43.27	14.65	58.93	888	0
8/9/2014 18:30	73672	15	221	2.103	310.1	12.74	2.604	308.1	10.48	2.781	304.5	6.393	27.97	27.71	27.23	-0.263	-0.74	45.31	15.06	36.26	888	0
8/9/2014 18:45	73673	15	221	2.143	335.5	10.89	3.305	328.2	7.79	4.094	319.8	5.098	27.45	27.4	27.01	-0.052	-0.433	47.15	15.21	12.41	888	0
8/9/2014 19:00	73674	15	221	1.689	330.1	11.44	2.765	325.9	7.618	3.991	321.1	5.55	26.99	27.06	26.79	0.071	-0.202	49.43	15.52	2.201	888	0
8/9/2014 19:15	73675	15	221	1.039	327.9	13.57	1.94	321.1	9.32	2.84	318.2	3.93	26.32	26.81	26.67	0.485	0.348	51.26	15.48	0.834	888	0
8/9/2014 19:30	73676	15	221	1.058	335.4	15.45	2.415	323.3	7.065	3.097	312.4	4.377	25.52	26.74	26.58	1.221	1.061	53.13	15.29	0.808	889	0
8/9/2014 19:45	73677	15	221	1.064	6.885	9.53	2.666	341.8	5.03	3.099	333	4.79	25.09	26.58	26.58	1.486	1.491	54.61	15.33	0.756	889	0
8/9/2014 20:00	73678	15	221	0.625	274.3	51.85	1.52	315.8	23.98	2.167	317.2	16.73	24.65	26.01	26.46	1.36	1.811	55.64	15.21	0.569	889	0
8/9/2014 20:15	73679	15	221	0.672	356.7	54.83	1.612	314.4	17.66	2.334	310.1	7.95	23.84	26.02	26.44	2.184	2.599	56.88	14.79	0.587	889	0
8/9/2014 20:30	73680	15	221	0.926	34.84	7.549	2.338	344.4	7.592	3.145	331.8	3.798	23.39	26.16	26.57	2.762	3.172	58.47	14.81	0.724	889	0
8/9/2014 20:45	73681	15	221	0.938	35.79	16.27	2.305	356.6	6.758	3.061	335.7	1.424	23.28	25.98	26.56	2.706	3.28	59.63	15	0.784	889	0
8/9/2014 21:00	73682	15	221	0.968	42.03	15.68	2.414	18.86	5.825	3.263	346.3	3.784	22.94	25.35	26.51	2.411	3.565	60.53	14.92	0.761	889	0
8/9/2014 21:15	73683	15	221	1.145	48.2	12.45	2.696	29.12	6.813	3.782	3.786	8.06	23.18	25.15	26.72	1.97	3.537	60.56	15.15	0.787	890	0
8/9/2014 21:30	73684	15	221	0.999	44.57	11.03	2.762	40.2	6.475	3.715	11.41	2.375	23.4	24.76	26.83	1.354	3.431	60.6	15.37	0.873	889	0
8/9/2014 21:45	73685	15	221	1.196	47.04	12.32	2.898	47.95	6.143	4.122	15.91	1.52	23.4	24.39	26.84	0.989	3.437	61.31	15.55	0.833	890	0
8/9/2014 22:00	73686	15	221	0.872	54.78	15.06	2.334	42.8	5.775	4.672	16.92	1.177	23.96	24.5	27.16	0.537	3.196	60.64	15.91	0.923	889	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/9/2014 22:15	73687	15	221	0.942	38.07	12.12	2.525	41.62	3.166	4.162	16.89	2.043	24.01	24.99	26.93	0.982	2.917	60.07	15.8	0.939	889	0
8/9/2014 22:30	73688	15	221	0.531	64.85	15.23	1.778	49.61	4.745	4.454	19.69	3.319	23.36	24.39	26.89	1.035	3.535	61.49	15.56	0.849	890	0
8/9/2014 22:45	73689	15	221	0.45	142.9	83.1	0.934	88.9	57.51	3.636	26.03	2.677	23.26	24.33	26.66	1.071	3.401	61.18	15.38	0.785	890	0
8/9/2014 23:00	73690	15	221	0.548	175.9	52.85	0.774	110.2	22.93	2.726	30.05	2.837	22.83	24.47	26.49	1.647	3.661	61.74	15.12	0.942	890	0
8/9/2014 23:15	73691	15	221	1.309	110	11.78	2.423	102.3	13.48	2.64	57.78	16.04	22.93	25.36	26.55	2.427	3.619	61.52	15.16	0.643	890	0
8/9/2014 23:30	73692	15	221	1.89	125.3	15.05	3.554	120.6	9.86	5.101	115	15.77	23.53	24.46	26.79	0.934	3.263	59.7	15.25	0.897	890	0
8/9/2014 23:45	73693	15	221	1.856	126.5	10.79	3.957	122.7	4.687	7.494	128.8	3.852	23.59	24.6	27.07	1.014	3.478	58.64	15.03	1.343	890	0
8/10/2014 0:00	73694	15	222	1.992	125.9	12.28	3.59	122.8	7.452	7.303	127	3.31	24.15	24.7	25.59	0.543	1.437	55.69	14.76	1.212	890	0
8/10/2014 0:15	73695	15	222	2.197	132.4	15.82	3.623	129.3	11.18	6.676	135.6	7.077	24.62	25.08	25.6	0.456	0.976	54.28	14.79	1.26	890	0
8/10/2014 0:30	73696	15	222	2.75	144.7	12.48	4.582	140	6.983	7.522	141.6	4.137	25.25	25.67	25.93	0.417	0.676	51.61	14.59	1.361	890	0
8/10/2014 0:45	73697	15	222	2.603	145.6	13.2	4.398	140.5	7.843	6.975	143.5	5.552	25.14	25.55	25.72	0.406	0.573	51.46	14.45	1.321	890	0
8/10/2014 1:00	73698	15	222	2.547	152.5	12.76	4.083	147.5	8.12	6.637	148	5.706	24.94	25.32	25.46	0.383	0.523	51.98	14.42	1.215	890	0
8/10/2014 1:15	73699	15	222	2.587	163.2	11.08	4.125	156.1	6.705	6.506	154.5	4.138	24.65	25.04	25.16	0.392	0.509	52.44	14.29	1.28	890	0
8/10/2014 1:30	73700	15	222	2.686	160.3	11.35	4.34	154.7	7.364	7.194	154.2	3.642	24.27	24.63	24.85	0.359	0.581	53.59	14.27	1.176	890	0
8/10/2014 1:45	73701	15	222	2.637	154.2	11.17	4.435	148.4	6.132	7.687	150.7	2.78	24.08	24.42	24.77	0.346	0.692	54.28	14.29	1.371	889	0
8/10/2014 2:00	73702	15	222	2.604	153.3	11.94	4.254	147.3	6.937	7.362	151.8	3.091	23.89	24.22	24.64	0.331	0.751	55.07	14.34	1.255	890	0
8/10/2014 2:15	73703	15	222	2.303	153.8	11.91	4.035	147.3	7.189	7.247	153.9	3.808	23.62	24.05	24.63	0.425	1.012	56.16	14.4	1.253	890	0
8/10/2014 2:30	73704	15	222	2.384	156.2	10.96	4.11	150.7	6.286	7.384	156.6	2.55	23.48	23.9	24.54	0.415	1.061	56.81	14.44	1.227	889	0
8/10/2014 2:45	73705	15	222	2.18	138.4	10.94	3.784	133.8	6.597	6.765	147.1	3.325	23.08	23.49	24.37	0.41	1.288	57.91	14.36	1.278	890	0
8/10/2014 3:00	73706	15	222	1.804	141.2	11.88	3.409	133.6	6.467	6.351	144.9	2.896	22.69	23.15	24.2	0.458	1.515	59.93	14.53	1.06	890	0
8/10/2014 3:15	73707	15	222	1.889	153.1	11.28	3.59	145.1	6.287	6.784	150.7	2.706	22.8	23.31	24.27	0.508	1.466	60.69	14.83	1.182	890	0
8/10/2014 3:30	73708	15	222	1.878	152	11.54	3.511	146.1	5.899	6.761	151.1	2.378	22.96	23.43	24.24	0.468	1.285	60.17	14.84	1.185	890	0
8/10/2014 3:45	73709	15	222	1.619	145.9	12.3	3.18	142.6	6.607	6.613	148.8	2.781	22.74	23.32	24.16	0.578	1.416	61.16	14.89	1.193	890	0
8/10/2014 4:00	73710	15	222	1.676	138.2	10.15	3.115	136.7	5.989	5.974	145	3.221	22.75	23.4	24.09	0.642	1.333	61.53	15	1.04	890	0
8/10/2014 4:15	73711	15	222	1.547	140.7	13.45	3.067	138.2	7.183	6.096	143	3.773	22.55	23.32	24.06	0.762	1.506	62.36	15.02	1.049	890	0
8/10/2014 4:30	73712	15	222	1.417	134.5	10.26	2.958	131.1	5.329	5.943	137.6	3.504	22.39	23.2	23.95	0.815	1.568	63.1	15.04	1.173	890	0
8/10/2014 4:45	73713	15	222	1.421	132.6	10.24	3.035	129.6	5.605	5.947	137.7	3.796	21.93	22.92	23.87	0.984	1.933	64.65	14.99	1.089	890	0
8/10/2014 5:00	73714	15	222	1.72	122.6	11.84	3.49	121.2	5.696	6.194	132.7	3.872	22.03	22.85	23.8	0.825	1.774	64.81	15.12	1.276	890	0
8/10/2014 5:15	73715	15	222	1.871	126.9	11.72	3.645	123.7	6.1	6.485	129.9	3.68	22.11	22.81	23.61	0.701	1.501	64.55	15.13	2.361	891	0
8/10/2014 5:30	73716	15	222	1.716	126.3	11.55	3.33	122.3	5.907	5.901	128.1	3.27	22.11	22.76	23.43	0.654	1.321	64.6	15.15	10.35	891	0
8/10/2014 5:45	73717	15	222	1.897	130	11.87	3.506	125.3	6.459	6.219	129.4	3.392	22.27	22.79	23.41	0.512	1.137	64.62	15.31	37.21	891	0
8/10/2014 6:00	73718	15	222	2.095	128	12.35	3.468	123.4	6.566	6.057	127.9	3.662	22.81	22.97	23.31	0.158	0.496	63.25	15.48	81.6	891	0
8/10/2014 6:15	73719	15	222	2.334	124.9	13.71	3.492	119	7.742	5.671	122.3	4.353	23.35	23.24	23.1	-0.112	-0.254	61.52	15.56	136.5	891	0
8/10/2014 6:30	73720	15	222	2.363	130.5	13.28	3.35	123.2	9.7	5.07	125	5.584	23.82	23.5	23.12	-0.322	-0.701	60.04	15.62	197	891	0
8/10/2014 6:45	73721	15	222	2.428	130.4	14.84	3.65	124.9	10.42	4.93	126.1	7.22	24.54	24.04	23.49	-0.504	-1.05	57.95	15.74	257.4	891	0
8/10/2014 7:00	73722	15	222	3.114	141.4	16.01	4.41	136.2	9.87	5.157	133.7	8.15	25.44	24.84	24.28	-0.594	-1.162	55.05	15.77	321.8	891	0
8/10/2014 7:15	73723	15	222	3.458	152	15.2	5.01	145.7	10.64	6.111	144.4	8.72	26.46	25.68	25.02	-0.775	-1.443	51.82	15.77	386.1	891	0
8/10/2014 7:30	73724	15	222	4.017	155.6	14.63	5.935	150.4	9.94	7.109	147.9	6.267	26.92	25.99	25.23	-0.93	-1.687	49.85	15.59	450.7	891	0
8/10/2014 7:45	73725	15	222	4.03	167.1	14.78	5.575	159.8	11.17	6.509	156.6	8.89	27.28	26.25	25.47	-1.028	-1.81	48.91	15.62	517.4	891	0
8/10/2014 8:00	73726	15	222	3.398	158.3	16.36	4.711	152.1	11.62	5.481	149.5	9.32	27.77	26.55	25.76	-1.221	-2.008	47.4	15.58	583.6	892	0
8/10/2014 8:15	73727	15	222	3.915	174.5	14.66	5.366	166.7	10.11	6.194	160.8	7.731	28.15	26.81	25.95	-1.344	-2.197	45.58	15.32	647.4	892	0
8/10/2014 8:30	73728	15	222	3.859	167.4	16.43	5.237	161	13	6.023	157.3	9.94	28.71	27.25	26.42	-1.461	-2.291	44.21	15.35	711.3	892	0
8/10/2014 8:45	73729	15	222	3.894	162.8	17.58	5.213	156.9	13.12	5.978	153.2	10.93	28.97	27.46	26.62	-1.509	-2.35	42.86	15.1	770.9	891	0
8/10/2014 9:00	73730	15	222	3.5	164	21.78	4.772	156.2	19.26	5.626	156.6	15.32	29.54	27.87	26.95	-1.67	-2.595	41.36	15.05	826	891	0
8/10/2014 9:15	73731	15	222	3.633	169.3	23.15	4.905	160.7	18	5.618	153.4	13.73	29.95	28.27	27.42	-1.679	-2.526	39.61	14.75	878	891	0
8/10/2014 9:30	73732	15	222	3.35	165	21.41	4.619	158	20.3	5.73	154.3	16.17	30.56	28.81	27.81	-1.751	-2.749	37.46	14.43	924	892	0
8/10/2014 9:45	73733	15	222	3.05	147.2	35.98	3.981	142.2	28.52	4.353	149	22.14	30.3	28.83	27.9	-1.475	-2.398	37.2	14.09	971	892	0
8/10/2014 10:00	73734	15	222	3.025	164.9	35.8	4.049	159	29.71	4.683	154.5	26.42	31.26	29.4	28.31	-1.869	-2.952	35.84	14.36	1016	892	0
8/10/2014 10:15	73735	15	222	2.748	146.2	35.67	3.736	139.6	29.06	4.381	137.6	22.06	31.06	29.35	28.26	-1.716	-2.807	35.72	14.13	1056	892	0
8/10/2014 10:30	73736	15	222	2.951	116.2	36.18	3.869	114.7	34.3	4.505	117.4	30.88	31.56	29.74	28.83	-1.821	-2.722	34.43	14	1094	892	0
8/10/2014 10:45	73737	15	222	3.193	153.7	30.75	4.057	145.5	27.57	4.774	139.4	24.97	31.94	30.08	29.08	-1.859	-2.858	32.76	13.56	1126	892	0
8/10/2014 11:00	73738	15	222	3.237	116.3	22.65	4.268	112.3	16.66	5.001	109.1	16.71	32.05	30.2	29.19	-1.844	-2.859	30.71	12.67	1160	892	0
8/10/2014 11:15	73739	15	222	3.264	131.1	29.3	4.361	127.4	22.88	5.16	122.9	17.84	32.18	30.15	29.3	-2.039	-2.885	31.02	12.94	1180	892	0
8/10/2014 11:30	73740	15	222	2.787	128.9	25.25	3.755	126.8	19.41	4.707	121	14.78	32.25	30.6	29.71	-1.654	-2.548	30.39	12.69	1129	892	0
8/10/2014 11:45	73741	15	222	2.954	139.9	30.83	3.844	132.7	26.3	4.377	122	20.51	32.66	30.66	29.76	-2	-2.896	29.13	12.4	1212	891	0
8/10/2014 12:00	73742	15	222	2.938	99.6	29.92	3.954	92.6	27.88	4.975	85.8	26.31	33.48	31.68	30.41	-1.797	-3.069	28.07	12.52	1201	891	0
8/10/2014 12:15	73743	15	222	3.824	121.4	25.24	5.032	115.3	22.29	6.179	115.9	15.84	34	31.8	30.6	-2.201	-3.4	26.4	12.03	1257	891	0
8/10/2014 12:30	73744	15	222	3.594	133.6	27.25	4.847	127.7	21.51	5.57	122.4	17.23	33.8	31.67	30.84	-2.137	-2.961	25.74	11.49	1255	891	0
8/10/2014 12:45	73745	15	222	3.813	129	32.33	5.049	124.6	27.99	5.781	123.6	23.84	34.5	32.13	31.01	-2.375	-3.486	24.2	11.14	1300	891	0

WIPP Validated Metdata 7/28/14 - 8/10/14

Date & Time	Day	15 min	Juli date	2WS m/s	2WD Deg	2SD	10WS m/s	10WD Deg	10SD	50WS m/s	50WD Deg	50SD	2M T Deg C	10M T Deg C	50M T Deg C	10 DT	50 DT	RH %	DPT Deg C	SR	BP mB	prcp mm
8/10/2014 13:00	73746	15	222	3.216	102.5	28.46	4.229	95	25.21	5.317	87.8	14.93	34.01	31.96	30.94	-2.044	-3.069	24.05	10.63	1193	891	0
8/10/2014 13:15	73747	15	222	3.462	93.7	30.33	4.577	86.3	25.37	5.402	81	21.49	34.27	32.09	31.21	-2.177	-3.053	23.23	10.33	1124	891	0
8/10/2014 13:30	73748	15	222	3.078	94.6	37.94	3.826	84.8	31.94	4.556	81.1	25.94	34.35	32.54	31.57	-1.811	-2.772	23.02	10.26	1148	890	0
8/10/2014 13:45	73749	15	222	3.658	105.2	28.12	4.888	99.7	20.59	6.134	98.1	11.98	34.67	32.6	31.51	-2.07	-3.153	22.13	9.94	1149	890	0
8/10/2014 14:00	73750	15	222	3.547	129.1	34.3	4.698	121.3	29.45	5.692	113.5	26.22	34.6	32.64	31.79	-1.953	-2.813	22.16	9.9	1053	890	0
8/10/2014 14:15	73751	15	222	3.59	130.7	28.73	5.056	122.7	26.97	5.989	117.1	21.08	34.23	32.71	31.83	-1.521	-2.401	22.23	9.63	543.3	890	0
8/10/2014 14:30	73752	15	222	2.968	123	28.59	3.962	118.5	23.35	4.584	111.4	19.39	34.5	32.9	31.94	-1.591	-2.552	22.48	10.03	1000	890	0
8/10/2014 14:45	73753	15	222	3.606	93.7	23.78	4.695	86.9	19.18	5.462	81.9	18.65	34.65	33.17	32.21	-1.476	-2.437	20.8	9	744.1	889	0
8/10/2014 15:00	73754	15	222	3.472	70.54	26.59	4.723	65.97	22.52	5.711	66.98	17.34	34.78	33.42	32.44	-1.361	-2.342	21.17	9.38	784.6	889	0
8/10/2014 15:15	73755	15	222	2.967	116.6	28.55	4.001	111.8	27.24	4.903	116	20.68	34.26	33.19	32.4	-1.071	-1.855	21.2	8.97	523.1	889	0
8/10/2014 15:30	73756	15	222	4.347	111.9	21.72	5.904	107.8	18.32	7.067	104.3	15.91	35.1	33.54	32.6	-1.559	-2.499	20.38	9.06	696.6	889	0
8/10/2014 15:45	73757	15	222	3.588	119.8	29.79	4.759	115.3	23.35	5.651	109.8	16.04	34.89	33.4	32.56	-1.487	-2.332	20.68	9.11	824	889	0
8/10/2014 16:00	73758	15	222	3.591	71.17	22.56	4.906	67.43	18.58	5.731	69.28	17.8	34.95	33.5	32.64	-1.449	-2.311	19.99	8.66	746	888	0
8/10/2014 16:15	73759	15	222	3.246	114.4	22.45	4.433	110.3	17.23	5.446	107.9	14.77	34.15	33.22	32.47	-0.936	-1.684	21.12	8.82	375.7	888	0
8/10/2014 16:30	73760	15	222	3.742	94.1	26.73	5.015	89.4	23.22	6.007	86.5	20.35	34.66	33.47	32.59	-1.188	-2.071	21.21	9.29	576.8	888	0
8/10/2014 16:45	73761	15	222	3.462	112.3	16.73	4.904	104.2	12.37	6.039	97.1	9.8	34.22	33.23	32.46	-0.983	-1.761	21.51	9.14	365.6	888	0
8/10/2014 17:00	73762	15	222	3.758	86	16.55	5.297	81.8	13.22	6.442	79.1	9.72	34.51	33.54	32.69	-0.962	-1.813	20.74	8.84	449.8	888	0
8/10/2014 17:15	73763	15	222	3.207	103.4	19	4.476	100.3	15.11	5.319	100.1	12.03	33.8	33.14	32.49	-0.656	-1.313	21.07	8.49	224.7	888	0
8/10/2014 17:30	73764	15	222	3.681	106.7	17.95	5.274	99.8	13.39	6.461	94.3	11.42	33.59	33.12	32.5	-0.476	-1.089	21.63	8.71	206.6	888	0
8/10/2014 17:45	73765	15	222	3.91	89.3	15.9	5.356	85.7	12.43	6.682	84.4	9.72	33.7	33.2	32.5	-0.501	-1.2	21.34	8.6	226.4	888	0
8/10/2014 18:00	73766	15	222	3.56	104.6	15.52	4.963	99.7	10.93	6.054	95.7	8.75	33.34	33.02	32.44	-0.318	-0.899	21.29	8.27	154.7	888	0
8/10/2014 18:15	73767	15	222	3.631	95.7	14.56	5.196	93.8	9.91	6.756	90.5	7.406	32.88	32.79	32.32	-0.087	-0.556	21.59	8.1	71.1	888	0
8/10/2014 18:30	73768	15	222	3.437	92.1	14.56	5.071	88.5	10.62	6.91	88.3	8.27	32.36	32.46	32.18	0.103	-0.179	22.32	8.15	22.28	889	0
8/10/2014 18:45	73769	15	222	3.182	108.8	12.23	4.98	105.6	7.168	6.889	103.3	4.04	31.93	32.16	31.97	0.233	0.042	22.78	8.1	9.55	889	0
8/10/2014 19:00	73770	15	222	3.859	120.3	14.84	5.863	115.9	10.58	8.16	113.3	9.95	31.36	31.55	31.3	0.192	-0.054	24.9	8.79	2.686	889	0
8/10/2014 19:15	73771	15	222	6.382	144.4	13.44	9.61	137.8	8.15	11.89	134.8	5.336	28.58	28.43	27.86	-0.149	-0.718	39.59	13.5	1.731	890	0
8/10/2014 19:30	73772	15	222	4.704	142.9	13.29	7.104	137.8	8.49	9.18	134.8	5.716	27.29	27.19	26.75	-0.096	-0.544	44.92	14.3	1.401	890	0
8/10/2014 19:45	73773	15	222	4.464	143.7	13.25	6.55	137.7	8.51	9	135.9	6.56	26.76	26.71	26.33	-0.054	-0.435	47.32	14.64	1.724	890	0
8/10/2014 20:00	73774	15	222	4.045	153.1	12.72	6.087	147.6	7.907	8.31	145.6	6.043	26.51	26.5	26.13	-0.011	-0.378	46.51	14.14	1.613	890	0
8/10/2014 20:15	73775	15	222	3.542	152.1	12.99	5.472	145.8	7.86	7.382	145.3	5.914	26.12	26.12	25.76	-0.002	-0.358	48.87	14.55	1.23	891	0
8/10/2014 20:30	73776	15	222	3.161	154.3	14.04	4.796	149.6	8.52	6.577	147.6	7.027	25.8	25.85	25.55	0.047	-0.258	50.79	14.86	1.233	891	0
8/10/2014 20:45	73777	15	222	3.195	153	13.53	4.797	148.6	8.01	6.618	147.9	5.566	25.5	25.56	25.28	0.053	-0.228	51.59	14.82	1.111	891	0
8/10/2014 21:00	73778	15	222	1.69	115.9	34.95	2.658	116.3	28.67	3.66	123.4	21.69	25.08	25.31	25.15	0.239	0.077	52.63	14.74	0.708	892	0
8/10/2014 21:15	73779	15	222	1.706	41.62	14.68	3.207	39.09	9.86	4.451	46.33	13.28	24.73	25.05	25.25	0.32	0.521	53.6	14.7	0.976	892	0
8/10/2014 21:30	73780	15	222	1.825	65.76	20.54	3.133	60.03	17	4.336	67.23	18.77	24.83	25.25	25.47	0.413	0.634	52.83	14.57	0.816	892	0
8/10/2014 21:45	73781	15	222	2.101	117.9	23.6	3.475	118.1	16.68	5.192	126	13.85	25.15	25.64	25.88	0.491	0.722	52	14.62	1.042	892	0
8/10/2014 22:00	73782	15	222	2.488	87.7	19.3	3.985	86.7	18.15	5.731	92	18.98	25.47	25.82	25.93	0.346	0.457	50.79	14.55	0.969	892	0
8/10/2014 22:15	73783	15	222	1.399	59.24	10.97	2.698	58.19	5.505	4.784	65.55	3.376	24.84	25.42	25.78	0.586	0.944	51.8	14.27	0.917	893	0
8/10/2014 22:30	73784	15	222	1.553	63.65	13.54	3.132	66.67	8.22	5.215	79.18	7.181	24.31	25.27	25.98	0.954	1.671	53.64	14.33	1.046	893	0
8/10/2014 22:45	73785	15	222	2.088	78.54	11.01	3.538	77.31	6.297	6.435	87.9	3.619	25.11	25.46	26.11	0.354	1.001	51.39	14.4	1.2	893	0
8/10/2014 23:00	73786	15	222	2.097	80.3	9.84	3.617	78.47	5.516	6.397	85.9	3.003	25.06	25.56	26.14	0.495	1.082	50.51	14.09	1.031	893	0
8/10/2014 23:15	73787	15	222	2.259	78.05	10.24	3.995	77.01	5.591	7.262	85.3	1.958	24.82	25.36	26.18	0.537	1.357	51.02	14.02	1.055	893	0
8/10/2014 23:30	73788	15	222	2.061	75.86	10.62	3.717	76.18	6.34	7.041	86.5	2.486	24.69	25.22	26.27	0.531	1.584	51.45	14.03	1.074	893	0
8/10/2014 23:45	73789	15	222	1.46	68.42	8.7	2.981	72.79	4.719	5.683	90.7	3.242	24.07	25.07	26.33	0.992	2.258	52.59	13.8	0.834	893	0

Environmental Monitoring & Hydrology Airborne Particulates Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	02/15/2014	36	---	**4.88E+01**	Below MDC	**3.67E+00**	51.44	**1.58E-02**	N/A	**1.19E-03**
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/18/2014	2.4	---	**2.70E-01**	Below MDC	Below MDC	242.65	**1.85E-05**	N/A	N/A
WIPP East (WEE)*	AL-WEE-20140212-1.1	02/17/2014	7.29/4.4	---	**5.73E-01**	Below MDC	Below MDC	208.89	**4.57E-05**	N/A	N/A
WIPP South (WSS)*	AL-WSS-20140212-1.1	02/17/2014	7.47/3.7	---	**1.41E-01**	Below MDC	Below MDC	207.82	**1.13E-05**	N/A	N/A
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	02/18/2014	2.7	---	Below MDC	Below MDC	Below MDC	269.12	N/A	N/A	N/A
Smith Ranch (SMR)*	AL-SMR-20140212-1.1	02/18/2014	4.2	---	**2.44E-01**	Below MDC	Below MDC	270.95	**1.50E-05**	N/A	N/A
Carlsbad (CBD)*	AL-CBD-20140212-1.1	02/18/2014	1.6	---	Below MDC	Below MDC	Below MDC	263.07	N/A	N/A	N/A
Southeast Control (SEC)*	AL-SEC-20140212-1.2	02/18/2014	1.3	---	Below MDC	Below MDC	Below MDC	266.42	N/A	N/A	N/A
Southeast Control (SEC) co-located sample*	AL-SEC-20140212-2.2	02/18/2014	1.5	---	Below MDC	Below MDC	Below MDC	271.13	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/26/2014	---	1.89	Below MDC	Below MDC	Below MDC	653.09	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140219-1.1	02/26/2014	---	2.48	Below MDC	Below MDC	Below MDC	738.49	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	730.49	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140219-1.1	02/26/2014	---	2.57	Below MDC	Below MDC	Below MDC	675.95	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	634.00	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140219-1.1	02/26/2014	---	1.12	Below MDC	Below MDC	Below MDC	663.97	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140219-1.2	02/26/2014	---	2.66	Below MDC	Below MDC	Below MDC	675.60	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140219-2.2	02/26/2014	---	1.38	Below MDC	Below MDC	Below MDC	642.96	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	03/04/2014	---	4.21	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140226-1.1	03/04/2014	---	4.90	Below MDC	Below MDC	Below MDC	478.96	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140226-1.1	03/04/2014	---	3.26	Below MDC	Below MDC	Below MDC	474.43	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	476.20	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140226-1.1	03/04/2014	---	7.13	Below MDC	Below MDC	Below MDC	470.20	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	482.31	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140226-1.2	03/04/2014	---	4.72	Below MDC	Below MDC	Below MDC	476.53	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140226-2.2	03/04/2014	---	6.70	Below MDC	Below MDC	Below MDC	481.39	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	549.12	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	559.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.12	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	543.88	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	561.30	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140304-1.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	557.78	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140304-2.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	552.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	447.76	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	535.87	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	538.77	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	521.72	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP East (WEE)	AL-WEE-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	563.14	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.45	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	581.65	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	496.70	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140311-1.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	545.09	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140311-2.2	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	522.38	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	569.51	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	557.26	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140311-1.1	03/18/2014	---	---	Below MDC	Below MDC	Below MDC	560.11	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	551.04	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	583.62	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	598.84	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	595.58	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.38	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	580.55	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140318-1.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	586.87	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140318-2.2	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	563.63	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	591.75	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	585.15	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140318-1.1	03/25/2014	---	---	Below MDC	Below MDC	Below MDC	582.60	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	546.07	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	554.61	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	542.58	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	518.92	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.42	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	528.06	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	507.26	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	536.26	N/A	N/A	N/A
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	539.09	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	545.42	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	533.10	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
Guard and Security Building (GSB)‡	AL-GSB-20140325-1.1	04/01/2014	---	---	Below MDC	Below MDC	Below MDC	531.54	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	562.46	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140401-2.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	579.51	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	580.20	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	574.86	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140401-1.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	581.57	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140401-2.2	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	559.08	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	583.39	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	575.98	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	586.62	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140401-1.1	04/08/2014	---	---	Below MDC	Below MDC	Below MDC	584.84	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	571.20	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.06	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	568.60	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	570.74	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.62	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140408-1.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	562.71	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140408-2.2	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	558.63	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	569.36	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	575.62	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	546.29	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	573.83	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	555.78	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140408-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	574.94	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	397.41	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	406.71	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	403.69	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140410-1.1	04/15/2014	---	---	Below MDC	Below MDC	Below MDC	426.89	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140415-1.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.76	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140415-2.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	555.76	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP East (WEE)	AL-WEE-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	557.36	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	543.32	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	544.58	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140415-1.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	539.80	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140415-2.2	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.16	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	544.84	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	554.07	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	553.51	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	565.83	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	562.97	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	555.39	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	551.87	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	570.52	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	556.26	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140415-1.1	04/22/2014	---	---	Below MDC	Below MDC	Below MDC	545.64	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140422-1.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	562.80	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140422-2.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	577.01	N/A	N/A	N/A
WIPP East (WEE)	AL-WEE-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.83	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	579.86	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	579.51	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140422-1.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	553.41	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140422-2.2	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	561.97	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	563.91	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	585.19	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.49	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.66	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	578.00	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.66	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	565.16	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	575.54	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	546.07	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140422-1.1	04/29/2014	---	---	Below MDC	Below MDC	Below MDC	568.76	N/A	N/A	N/A
WIPP Far Field (WFF)	AL-WFF-20140429-1.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	529.31	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	AL-WFF-20140429-2.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	558.25	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP East (WEE)	AL-WEE-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	545.23	N/A	N/A	N/A
WIPP South (WSS)	AL-WSS-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	550.04	N/A	N/A	N/A
Mills Ranch (MLR)	AL-MLR-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	547.16	N/A	N/A	N/A
Carlsbad (CBD)	AL-CBD-20140429-1.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	545.18	N/A	N/A	N/A
Carlsbad (CBD) co-located sample	AL-CBD-20140429-2.2	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	553.74	N/A	N/A	N/A
Smith Ranch (SMR)	AL-SMR-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	562.01	N/A	N/A	N/A
Southeast Control (SEC)	AL-SEC-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	551.54	N/A	N/A	N/A
Meteorology Tower Building (MET)†	AL-MET-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	531.22	N/A	N/A	N/A
Salt Hoist (SLT)†	AL-SLT-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	552.79	N/A	N/A	N/A
Southeast of Training Building (STB)†	AL-STB-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	538.36	N/A	N/A	N/A
Guard and Security Building (GSB)‡	AL-GSB-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	547.15	N/A	N/A	N/A
Artesia (ART)§	AL-ART-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	556.59	N/A	N/A	N/A
Eunice (EUN)§	AL-EUN-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	130.92	N/A	N/A	N/A
Hobbs (HBS)§	AL-HBS-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	542.32	N/A	N/A	N/A
Loving (LVG)§	AL-LVG-20140429-1.1	05/06/2014	---	---	Below MDC	Below MDC	Below MDC	563.69	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140429-1.1	05/07/2014	---	---	Below MDC	Below MDC	Below MDC	67.02	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140506-1.2	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	572.89	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	EE-WFF-20140506-2.2	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	584.12	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140506-1.2	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	545.56	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140506-2.2	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	589.08	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	602.53	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	597.79	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	561.97	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	592.87	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	584.44	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	595.11	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	607.24	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	603.57	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	630.33	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	581.94	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140507-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	465.17	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	576.92	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140506-1.1	05/13/2014	---	---	Below MDC	Below MDC	Below MDC	586.21	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140513-1.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	35.66	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF) co-located	EE-WFF-20140513-2.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	34.94	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140513-1.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	549.92	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140513-2.2	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.75	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	533.61	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	531.12	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	536.61	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.04	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	538.80	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	535.96	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	534.47	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	523.59	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	615.99	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	550.88	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	543.96	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	543.32	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140513-1.1	05/20/2014	---	---	Below MDC	Below MDC	Below MDC	551.43	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140520-1.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	561.11	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	EE-WFF-20140520-2.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	563.98	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140520-1.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	554.27	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140520-2.2	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	574.17	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	581.24	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	588.39	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	567.33	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	591.14	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	572.23	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	581.84	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	585.19	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	574.34	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	571.54	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	561.46	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	554.73	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	559.10	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140520-1.1	05/27/2014	---	---	Below MDC	Below MDC	Below MDC	572.10	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140527-1.2	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	571.67	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF) co-located	EE-WFF-20140527-2.2	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	568.83	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140527-1.2	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	562.46	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140527-2.2	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	573.83	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	557.92	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	558.88	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	560.11	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	563.95	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	552.64	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	559.78	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	583.74	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	577.70	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	569.51	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	551.99	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	568.11	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	571.88	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140527-1.1	06/03/2014	---	---	Below MDC	Below MDC	Below MDC	573.64	N/A	N/A	N/A
WIPP Far Field (WFF)	EE-WFF-20140603-1.2	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	563.28	N/A	N/A	N/A
WIPP Far Field (WFF) co-located	EE-WFF-20140603-2.2	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	566.11	N/A	N/A	N/A
WIPP East (WEE)	EE-WEE-20140603-1.2	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	567.57	N/A	N/A	N/A
WIPP East (WEE) co-located	EE-WEE-20140603-2.2	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	559.10	N/A	N/A	N/A
WIPP South (WSS)	EE-WSS-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	569.62	N/A	N/A	N/A
Mills Ranch (MLR)	EE-MLR-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	569.62	N/A	N/A	N/A
Carlsbad (CBD)	EE-CBD-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	576.92	N/A	N/A	N/A
Smith Ranch (SMR)	EE-SMR-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	584.01	N/A	N/A	N/A
Southeast Control (SEC)	EE-SEC-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	573.62	N/A	N/A	N/A
Meteorology Tower Building (MET)†	EE-MET-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	565.77	N/A	N/A	N/A
Salt Hoist (SLT)†	EE-SLT-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	576.32	N/A	N/A	N/A
Southeast of Training Building (STB)†	EE-STB-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	562.46	N/A	N/A	N/A
Guard and Security Building (GSB)‡	EE-GSB-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	575.98	N/A	N/A	N/A
Artesia (ART)§	EE-ART-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	561.59	N/A	N/A	N/A
Eunice (EUN)§	EE-EUN-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	561.92	N/A	N/A	N/A
Hobbs (HBS)§	EE-HBS-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	567.57	N/A	N/A	N/A
Loving (LVG)§	EE-LVG-20140603-1.1	06/10/2014	---	---	Below MDC	Below MDC	Below MDC	344.69	N/A	N/A	N/A
WIPP Far Field (WFF)**	EE-WFF-June2014-1.2	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
	EE-WFF-20140610-1.2	06/18/2014	---	---	---	---	---	661.69	---	---	---
	EE-WFF-20140618-1.2	06/24/2014	---	---	---	---	---	480.14	---	---	---
	EE-WFF-20140624-1.2	07/01/2014	---	---	---	---	---	562.78	---	---	---
WIPP Far Field (WFF) co-located**	EE-WFF-June2014-2.2	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-WFF-20140610-2.2	06/18/2014	---	---	---	---	---	642.03	---	---	---
	EE-WFF-20140618-2.2	06/24/2014	---	---	---	---	---	484.94	---	---	---
	EE-WFF-20140624-2.2	07/01/2014	---	---	---	---	---	577.13	---	---	---
WIPP East (WEE)**	EE-WEE-June2014-1.2	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-WEE-20140610-1.2	06/18/2014	---	---	---	---	---	644.30	---	---	---
	EE-WEE-20140618-1.2	06/24/2014	---	---	---	---	---	479.71	---	---	---
	EE-WEE-20140624-1.2	07/01/2014	---	---	---	---	---	576.64	---	---	---
WIPP East (WEE) co-located**	EE-WEE-June2014-2.2	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-WEE-20140610-2.2	06/18/2014	---	---	---	---	---	641.03	---	---	---
	EE-WEE-20140618-2.2	06/24/2014	---	---	---	---	---	482.13	---	---	---
	EE-WEE-20140624-2.2	07/01/2014	---	---	---	---	---	570.87	---	---	---
WIPP South (WSS)**	EE-WSS-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-WSS-20140610-1.1	06/18/2014	---	---	---	---	---	642.70	---	---	---
	EE-WSS-20140618-1.1	06/24/2014	---	---	---	---	---	480.72	---	---	---
	EE-WSS-20140624-1.1	07/01/2014	---	---	---	---	---	576.98	---	---	---
Mills Ranch (MLR)**	EE-MLR-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-MLR-20140610-1.1	06/18/2014	---	---	---	---	---	650.94	---	---	---
	EE-MLR-20140618-1.1	06/24/2014	---	---	---	---	---	490.79	---	---	---
	EE-MLR-20140624-1.1	07/01/2014	---	---	---	---	---	570.67	---	---	---
Carlsbad (CBD)**	EE-CBD-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-CBD-20140610-1.1	06/17/2014	---	---	---	---	---	550.23	---	---	---
	EE-CBD-20140617-1.1	06/24/2014	---	---	---	---	---	561.97	---	---	---
	EE-CBD-20140624-1.1	07/01/2014	---	---	---	---	---	573.72	---	---	---
Smith Ranch (SMR)**	EE-SMR-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-SMR-20140610-1.1	06/18/2014	---	---	---	---	---	643.97	---	---	---
	EE-SMR-20140618-1.1	06/24/2014	---	---	---	---	---	491.42	---	---	---
	EE-SMR-20140624-1.1	07/01/2014	---	---	---	---	---	569.11	---	---	---
Southeast Control (SEC)**	EE-SEC-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-SEC-20140610-1.1	06/17/2014	---	---	---	---	---	563.47	---	---	---
	EE-SEC-20140617-1.1	06/24/2014	---	---	---	---	---	586.18	---	---	---
	EE-SEC-20140624-1.1	07/01/2014	---	---	---	---	---	575.89	---	---	---
Meteorology Tower Building (MET)† **	EE-MET-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-MET-20140610-1.1	06/18/2014	---	---	---	---	---	637.13	---	---	---
	EE-MET-20140618-1.1	06/24/2014	---	---	---	---	---	495.29	---	---	---

Environmental Monitoring & Hydrology Airborne Particulates Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
	EE-MET-20140624-1.1	07/01/2014	---	---	---	---	---	565.98	---	---	---
Salt Hoist (SLT)† **	EE-SLT-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-SLT-20140610-1.1	06/18/2014	---	---	---	---	---	655.81	---	---	---
	EE-SLT-20140618-1.1	06/24/2014	---	---	---	---	---	481.06	---	---	---
	EE-SLT-20140624-1.1	07/01/2014	---	---	---	---	---	567.93	---	---	---
Southeast of Training Building (STB)† **	EE-STB-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-STB-20140610-1.1	06/18/2014	---	---	---	---	---	644.36	---	---	---
	EE-STB-20140618-1.1	06/24/2014	---	---	---	---	---	495.97	---	---	---
	EE-STB-20140624-1.1	07/01/2014	---	---	---	---	---	567.60	---	---	---
Guard and Security Building (GSB)‡ **	EE-GSB-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-GSB-20140610-1.1	06/18/2014	---	---	---	---	---	644.70	---	---	---
	EE-GSB-20140618-1.1	06/24/2014	---	---	---	---	---	486.30	---	---	---
	EE-GSB-20140624-1.1	07/01/2014	---	---	---	---	---	575.81	---	---	---
Artesia (ART)§ **	EE-ART-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-ART-20140610-1.1	06/17/2014	---	---	---	---	---	556.92	---	---	---
	EE-ART-20140617-1.1	06/24/2014	---	---	---	---	---	524.59	---	---	---
	EE-ART-20140624-1.1	07/01/2014	---	---	---	---	---	585.19	---	---	---
Eunice (EUN)§ **	EE-EUN-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-EUN-20140610-1.1	06/17/2014	---	---	---	---	---	553.94	---	---	---
	EE-EUN-20140617-1.1††	06/24/2014	---	---	---	---	---	28.90	---	---	---
	EE-EUN-20140624-1.1	07/01/2014	---	---	---	---	---	545.18	---	---	---
Hobbs (HBS)§ **	EE-HBS-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-HBS-20140610-1.1	06/17/2014	---	---	---	---	---	562.97	---	---	---
	EE-HBS-20140617-1.1	06/24/2014	---	---	---	---	---	573.72	---	---	---
	EE-HBS-20140624-1.1††	07/01/2014	---	---	---	---	---	0.00	---	---	---
Loving (LVG)§ **	EE-LVG-June2014-1.1	---	---	---	Below MDC	Below MDC	Below MDC	N/A	N/A	N/A	N/A
	EE-LVG-20140610-1.1	06/18/2014	---	---	---	---	---	638.45	---	---	---
	EE-LVG-20140618-1.1	06/24/2014	---	---	---	---	---	486.30	---	---	---
	EE-LVG-20140624-1.1	07/01/2014	---	---	---	---	---	545.79	---	---	---

* Filter volumes based on an adjusted filter installation date. This date was changed from the actual filter installation date to the date of the release which occurred at 23:30 hours on February 14, 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 will be analyzed. Filters collected after August will be archived for sample analysis, if needed.

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

Note: Shaded cells in the table represent samples identified as a detectable concentration. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

MDC ranges are:

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

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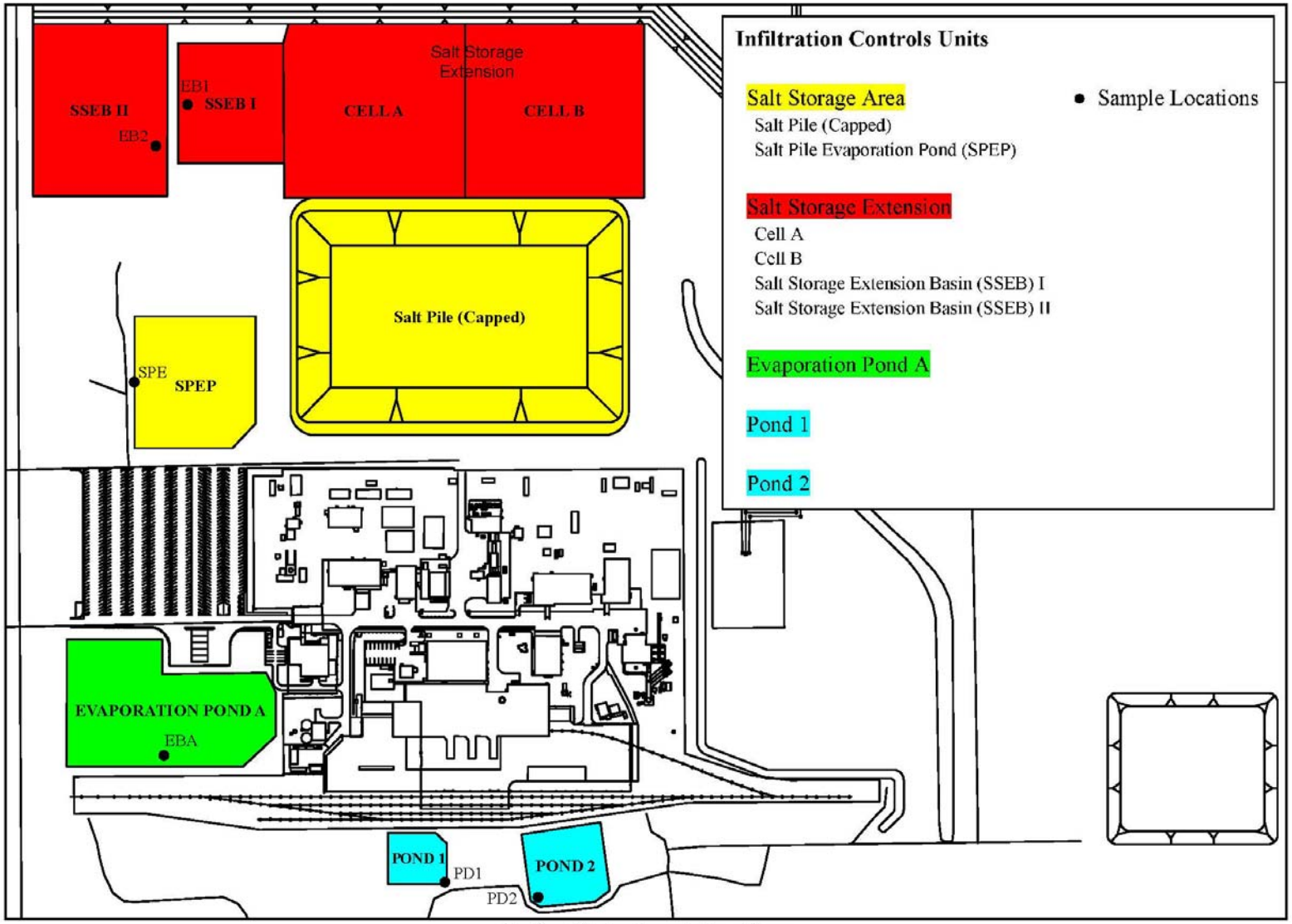
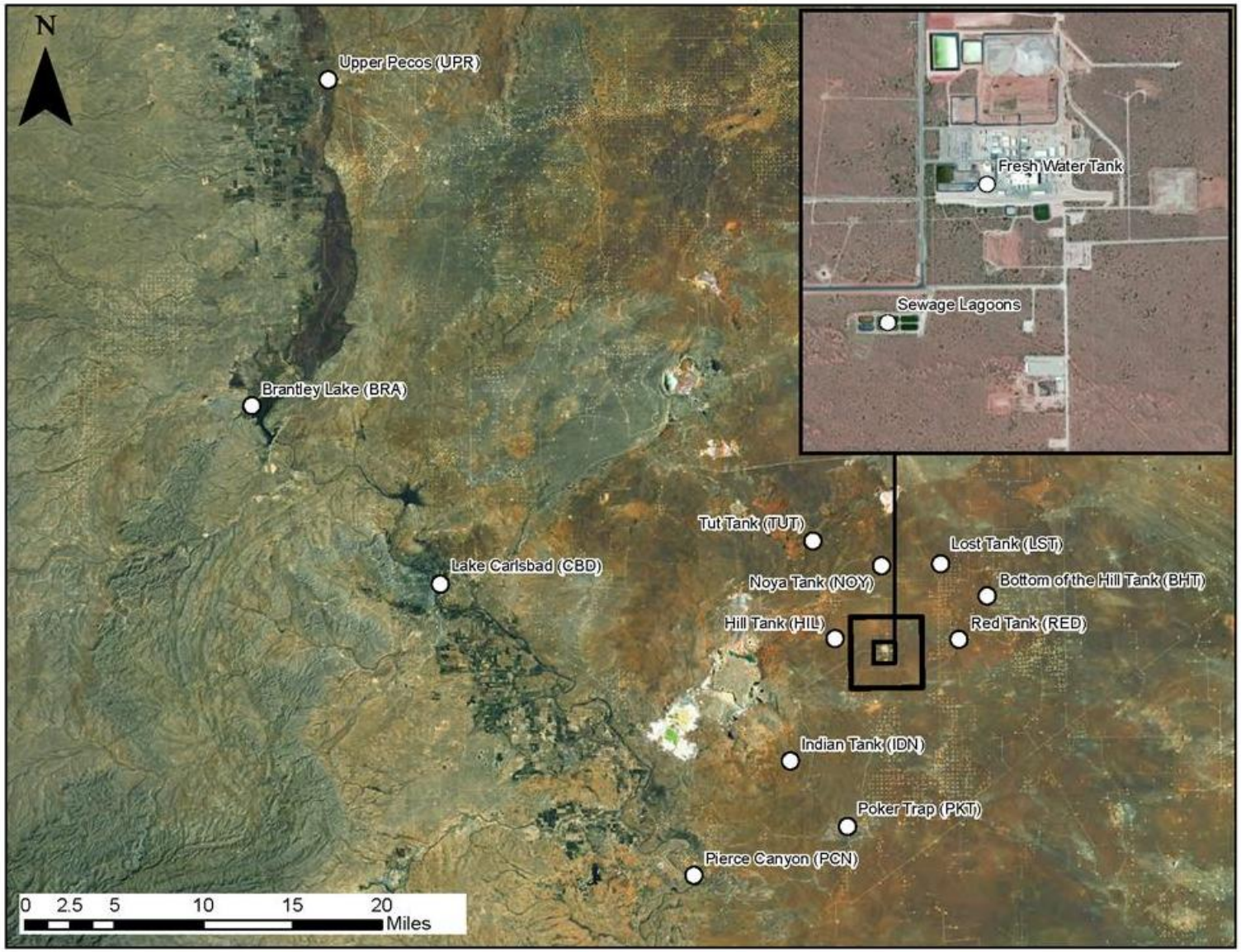
Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)

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



Surface Water Sample Locations



Surface Water Sample Locations (continued)

Surface Water Sample Locations (continued)

Sample of Opportunity, July 15, 2014

Surface Water Sample Locations (continued)

Sample of Opportunity, July 16, 2014

Environmental Monitoring & Hydrology Surface Water Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
SWIC Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Evaporation Basin A	WS-EBA-20140219-2.2	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Pile Evaporation Pond	WS-SPE-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin I	WS-EB1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Salt Storage Extension Basin II	WS-EB2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140219-1.1	2/19/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140302-1.2	3/2/2014	**9.69E-01**	Below MDC	**7.48E-02**
Sample of Opportunity (Dupe)*	WS-SOO-20140302-2.2	3/2/2014	**3.93E-01**	Below MDC	Below MDC
Blank	WS-BLK-20140302-1.1	3/2/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-1.2	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	WS-HIL-20140312-2.2	3/12/2014	Below MDC	Below MDC	Below MDC
Fresh Water Tank	WS-FWT-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Tut Tank	WS-TUT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Pierce Canyon	WS-PCN-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	WS-CBD-20140313-1.2	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad (Dupe)	WS-CBD-20140313-2.2	3/13/2014	Below MDC	Below MDC	Below MDC
Brantley Lake	WS-BRA-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Upper Pecos River	WS-UPR-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Coyote Well	WS-COW-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-1.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140316-2.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-3.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140316-4.5	3/16/2014	Below MDC	Below MDC	Below MDC
Blank	WS-SOO-20140316-5.5	3/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity*	WS-SOO-20140326-1.2	3/26/2014	**1.60E-01**	Below MDC	Below MDC
Sample of Opportunity (Dupe)*	WS-SOO-20140326-2.2	3/26/2014	**9.07E-02**	Below MDC	Below MDC
Blank	WS-BLK-20140326-1.1	3/26/2014	Below MDC	Below MDC	Below MDC
Sewage Lagoons	WS-SWL-20140416-1.1	4/16/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 1	WS-PD1-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140423-1.2	4/23/2014	Below MDC	Below MDC	Below MDC
SWIC Pond 2	WS-PD2-20140423-2.2	4/23/2014	Below MDC	Below MDC	Below MDC
SWIC Evaporation Basin A	WS-EBA-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140423-1.1	4/23/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140524-1.2	5/24/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140524-2.2	5/24/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140528-1.1	5/28/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140609-1.6	6/9/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140609-2.6	6/9/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140609-3.6	6/9/2014	Below MDC	Below MDC	Below MDC

Environmental Monitoring & Hydrology Surface Water Sampling

8/19/2014 - 10:20 AM

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 (Dupe)†	WS-SOO-20140609-4.6	6/9/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140609-5.6	6/9/2014	Below MDC	Below MDC	Below MDC
Blank	WS-SOO-20140609-6.6	6/9/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140702-1.6	7/2/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140702-2.6	7/2/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140702-3.6	7/2/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140702-4.6	7/2/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140702-5.6	7/2/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140702-6.6	7/2/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-1.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-2.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-3.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-4.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-5.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140703-6.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140703-7.8	7/3/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140703-8.8	7/3/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-1.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140715-2.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-3.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-4.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-5.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-6.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140715-7.8	7/15/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140715-8.8	7/15/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-1.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-2.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity (Dupe)†	WS-SOO-20140716-3.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-4.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-5.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-6.8	7/16/2014	Below MDC	Below MDC	Below MDC
Sample of Opportunity†	WS-SOO-20140716-7.8	7/16/2014	Below MDC	Below MDC	Below MDC
Blank	WS-BLK-20140716-8.8	7/16/2014	Below MDC	Below MDC	Below MDC

* These samples were collected during a rain event. The samples were taken from the WIPP site building roof top and roadway drainage. Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity, and represents the only signature of deposition close to the release that has been identified to date.

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

Note: Shaded cells in the table represent samples identified as a detectable concentration. Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available.

MDC ranges are:

Environmental Monitoring & Hydrology Surface Water Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)

MDC Am-241 (dpm/L): 4.34E-02 to 8.19E-02

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

MDC Pu-239/240 (dpm/L): 3.01E-02 to 6.12E-02

Environmental Monitoring & Hydrology Sediment Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
Red Tank	SB-RED-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Bottom of the Hill Tank	SB-BHT-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Noya Tank	SB-NOY-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	SB-HIL-20140312-1.2	3/12/2014	Below MDC	Below MDC	Below MDC
Hill Tank	SB-HIL-20140312-2.2	3/12/2014	Below MDC	Below MDC	Below MDC
Lost Tank	SB-LST-20140312-1.1	3/12/2014	Below MDC	Below MDC	Below MDC
Tut Tank	SB-TUT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Pierce Canyon	SB-PCN-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	SB-CBD-20140313-1.2	3/13/2014	Below MDC	Below MDC	Below MDC
Carlsbad	SB-CBD-20140313-2.2	3/13/2014	Below MDC	Below MDC	Below MDC
Poker Trap	SB-PKT-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Indian Tank	SB-IND-20140313-1.1	3/13/2014	Below MDC	Below MDC	Below MDC
Brantley	SB-BRA-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC
Upper Pecos River	SB-UPR-20140314-1.1	3/14/2014	Below MDC	Below MDC	Below MDC

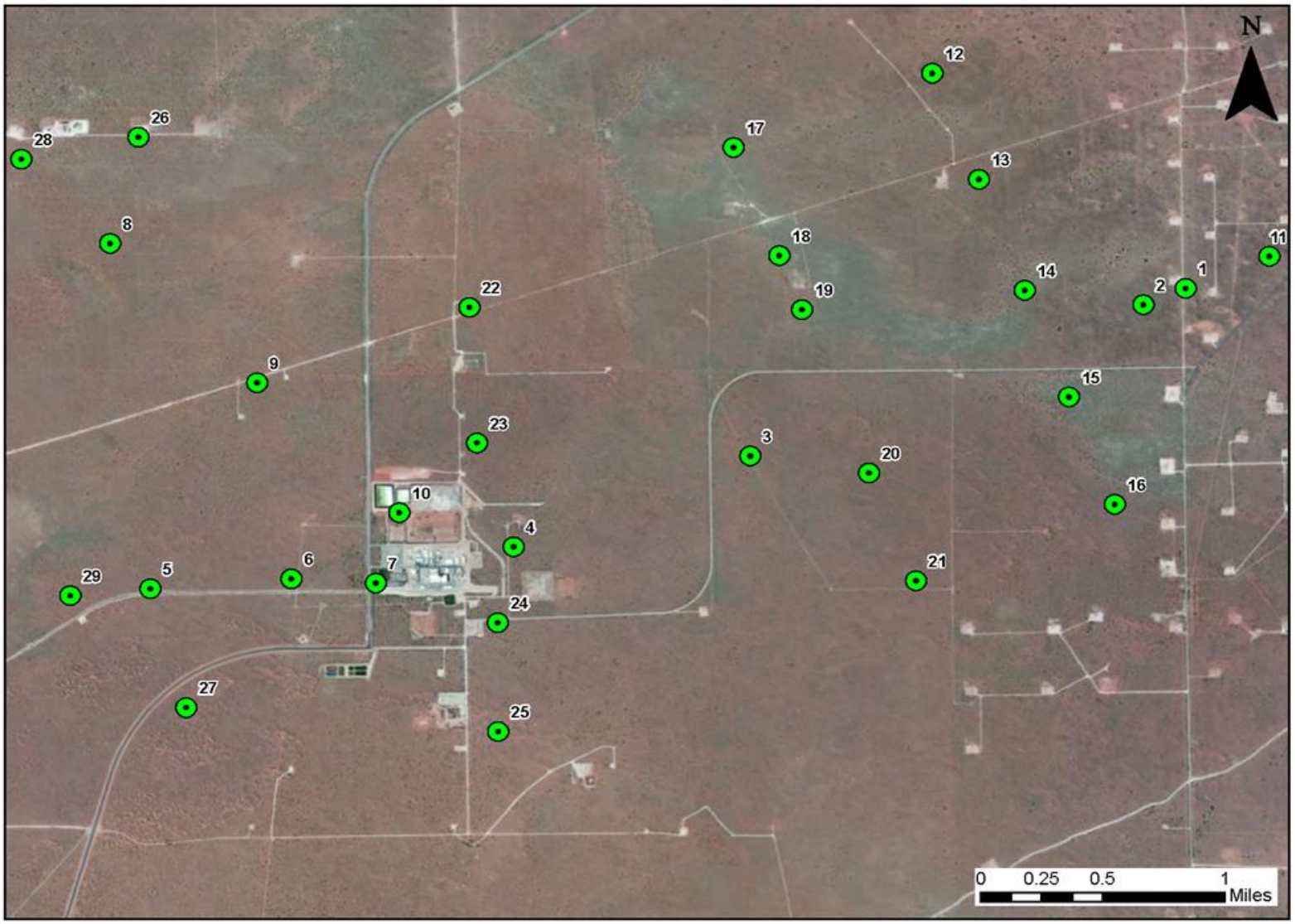
Note: Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available.

MDC ranges are:

MDC Am-241 (dpm/g): 3.11E-02 to 4.42E-02

MDC Pu-238 (dpm/g): 1.63E-02 to 3.26E-02

MDC Pu-239/240 (dpm/g): 3.12E-02 to 3.66E-02



Soil and Biota - Vegetation GPS Sample Locations

Environmental Monitoring & Hydrology Biota Sampling - Fauna

8/19/2014 - 10:20 AM

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 Quail/WIPP East	BQ-WEE-20140325-1.1	3/25/2014	Below MDC	Below MDC	Below MDC

MDCs are:

MDC Am-241 (dpm/g): 2.41E-02

MDC Pu-238 (dpm/g): 1.68E-02

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

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

8/19/2014 - 10:20 AM

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-20140221-1.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field (Duplicate)	BV-WFF-20140221-2.2	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP East	BV-WEE-20140221-1.1	2/21/2014	Below MDC	Below MDC	Below MDC
WIPP South	BV-WSS-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Smith Ranch	BV-SMR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Mills Ranch	BV-MLR-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
Southeast Control	BV-SEC-20140222-1.1	2/22/2014	Below MDC	Below MDC	Below MDC
GPS Location 1*	BV-SOO-20140319-1.1	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 2*	BV-SOO-20140319-1.2	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 3*	BV-SOO-20140319-1.3	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 4*	BV-SOO-20140319-1.4	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 5*	BV-SOO-20140321-1.5	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 6*	BV-SOO-20140321-1.6	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 7*	BV-SOO-20140320-1.7	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 8*	BV-SOO-20140321-1.8	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 9*	BV-SOO-20140320-1.9	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 10*	BV-SOO-20140319-1.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 11*	BV-SOO-20140319-1.11	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 12*	BV-SOO-20140319-1.12	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 13*	BV-SOO-20140319-1.13	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 14*	BV-SOO-20140319-1.14	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 15*	BV-SOO-20140319-1.15	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 16*	BV-SOO-20140319-1.16	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 17*	BV-SOO-20140320-1.17	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 18*	BV-SOO-20140320-1.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 19*	BV-SOO-20140320-1.19	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 20*	BV-SOO-20140319-1.20	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 21*	BV-SOO-20140319-1.21	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 22*	BV-SOO-20140320-1.22	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 23*	BV-SOO-20140320-1.23	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 24*	BV-SOO-20140319-1.24	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 25*	BV-SOO-20140319-1.25	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 26*	BV-SOO-20140321-1.26	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 27*	BV-SOO-20140320-1.27	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 28*	BV-SOO-20140321-1.28	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 29*	BV-SOO-20140321-1.29	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (Duplicate)*	BV-SOO-20140319-2.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (Duplicate)*	BV-SOO-20140320-2.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (Duplicate)*	BV-SOO-20140321-2.6	3/21/2014	Below MDC	Below MDC	Below MDC

* These sampling sites are being accounted for via GPS location identifiers and field stakes.

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)

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

MDC ranges are:

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

MDC Pu-238 (dpm/g): 1.68E-02 to 2.17E-02

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

Environmental Monitoring & Hydrology Soil Sampling

8/19/2014 - 10:20 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm)*	SS-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	**4.06E-02**
Mills Ranch Intermediate Sample (2-5 cm)	SI-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Deep Sample (5-10 cm)	SD-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Intermediate Sample (2-5 cm)	SI-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Smith Ranch Deep Sample (5-10 cm)	SD-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Intermediate Sample (2-5 cm)	SI-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Deep Sample (5-10 cm)	SD-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 1 (0-2 cm)†	SS-SOO-20140319-1.1	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014	Below MDC	Below MDC	Below MDC

Environmental Monitoring & Hydrology Soil Sampling

8/19/2014 - 10:20 AM

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014	Below MDC	Below MDC	Below MDC
GPS Location 10 (0-2 cm) (Duplicate)†	SS-SOO-20140319-2.10	3/19/2014	Below MDC	Below MDC	Below MDC
GPS Location 18 (0-2 cm) (Duplicate)†	SS-SOO-20140320-2.18	3/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 6 (0-2 cm) (Duplicate)†	SS-SOO-20140321-2.6	3/21/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm)	SS-MLR-20140515-1.2	5/15/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm) (Duplicate)‡	SS-MLR-20140515-2.2	5/15/2014	Below MDC	Below MDC	**2.38E-02**
GPS Location 27 (0-2 cm)†	SS-SOO-20140613-1.4	6/13/2014	Below MDC	Below MDC	Below MDC
GPS Location 29 (0-2 cm)†	SS-SOO-20140613-2.4	6/13/2014	Below MDC	Below MDC	Below MDC
H-7 Pad (0-2 cm)	SS-SOO-20140613-3.4	6/13/2014	Below MDC	Below MDC	Below MDC
H-7 Pad (0-2 cm) (Duplicate)	SS-SOO-20140613-4.4	6/13/2014	Below MDC	Below MDC	Below MDC

* The detection in this sample is within the range of historical results for this location. Value updated as a result of reanalysis by the analytical laboratory.

† These sampling sites are being accounted for via GPS location identifiers and field stakes.

‡ The detection in this sample is within the range of historical results for this location.

Note: Shaded cells in the table represent samples identified as a detectable concentration. Radionuclides are considered detected in an environmental sample if the measured concentration or activity is greater than the MDC and greater than the total propagated uncertainty (TPU) at the 2 sigma (σ) TPU level. To show a non-detect, “Below MDC” is used in the Table. The MDC is the lowest concentration measurement that can be detected by laboratory instrumentation; the TPU is an estimate of uncertainty in the measurement from all sources.

MDC ranges are:

MDC Am-241 (dpm/g): 2.62E-02 to 4.12E-02

MDC Pu-238 (dpm/g): 1.61E-02 to 2.71E-02

MDC Pu-239/240 (dpm/g): 3.17E-03 to 3.56E-02

Site Environmental Compliance Salt Pile Sampling

8/19/2014 - 10:20 AM

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
South Face of Salt Pile	WST-14-012	3/13/2014	Below MDC	Below MDC	Below MDC
East Face of Salt Pile	WST-14-013	3/13/2014	Below MDC	Below MDC	Below MDC
West Face of Salt Pile	WST-14-014	3/13/2014	Below MDC	Below MDC	Below MDC
South Ridge of Salt Pile, South of Salt Pile	WST-14-015	3/13/2014	Below MDC	Below MDC	Below MDC
North Ridge of Salt Pile, North of Salt Pile	WST-14-016	3/13/2014	Below MDC	Below MDC	Below MDC
South Face of Salt Pile (Duplicate)	WST-14-017	3/13/2014	Below MDC	Below MDC	Below MDC

Samples collected at the salt pile per procedure WP 02-EC1001.

MDC ranges are:

MDC Am-241 (dpm/g): 4.17E-02 to 5.03E-02

MDC Pu-238 (dpm/g): 2.84E-02 to 4.38E-02

MDC Pu-239/240 (dpm/g): 2.18E-02 to 2.43E-02

Attachment 5
Filter Differential Pressures

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
7/28/2014 0:00	0.24	0.39	1.07	1.05	0.20	0.33	1.16	1.10
7/28/2014 0:30	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 1:00	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 1:30	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.10
7/28/2014 2:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 2:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 3:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 3:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 4:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 4:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 5:00	0.24	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 5:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 6:00	0.24	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 6:30	0.24	0.39	1.09	1.07	0.19	0.33	1.17	1.11
7/28/2014 7:00	0.24	0.39	1.09	1.07	0.20	0.33	1.18	1.11
7/28/2014 7:30	0.24	0.39	1.09	1.07	0.20	0.33	1.18	1.12
7/28/2014 8:00	0.23	0.39	1.09	1.07	0.19	0.33	1.18	1.11
7/28/2014 8:30	0.23	0.39	1.09	1.07	0.19	0.33	1.18	1.11
7/28/2014 9:00	0.24	0.39	1.09	1.06	0.20	0.33	1.18	1.11
7/28/2014 9:30	0.24	0.39	1.08	1.06	0.19	0.33	1.18	1.11
7/28/2014 10:00	0.23	0.39	1.09	1.06	0.19	0.33	1.17	1.11
7/28/2014 10:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 11:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 11:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 12:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 12:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 13:00	0.24	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 13:30	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.11
7/28/2014 14:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 14:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 15:00	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.10
7/28/2014 15:30	0.23	0.39	1.07	1.05	0.19	0.33	1.16	1.10
7/28/2014 16:00	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.10
7/28/2014 16:30	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 17:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 17:30	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.10
7/28/2014 18:00	0.23	0.39	1.08	1.06	0.19	0.33	1.16	1.11
7/28/2014 18:30	0.23	0.31	0.94	0.91	0.16	0.26	1.02	0.96
7/28/2014 19:00	0.23	0.38	1.06	1.04	0.19	0.32	1.15	1.09
7/28/2014 19:30	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 20:00	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 20:30	0.23	0.39	1.07	1.06	0.19	0.33	1.17	1.10
7/28/2014 21:00	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 21:30	0.23	0.39	1.07	1.06	0.19	0.33	1.16	1.10
7/28/2014 22:00	0.23	0.39	1.07	1.06	0.19	0.33	1.17	1.11
7/28/2014 22:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/28/2014 23:00	0.24	0.39	1.08	1.06	0.19	0.33	1.17	1.10
7/28/2014 23:30	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/29/2014 0:00	0.23	0.39	1.08	1.06	0.19	0.33	1.17	1.11
7/29/2014 0:30	0.24	0.40	1.08	1.07	0.19	0.33	1.17	1.11
7/29/2014 1:00	0.23	0.40	1.08	1.06	0.20	0.33	1.17	1.11
7/29/2014 1:30	0.23	0.40	1.08	1.06	0.19	0.33	1.17	1.11
7/29/2014 2:00	0.24	0.40	1.08	1.06	0.19	0.33	1.17	1.11
7/29/2014 2:30	0.24	0.40	1.08	1.06	0.20	0.33	1.17	1.11
7/29/2014 3:00	0.24	0.40	1.08	1.06	0.20	0.33	1.17	1.11
7/29/2014 3:30	0.24	0.40	1.08	1.06	0.20	0.33	1.17	1.11

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
7/29/2014 4:00	0.24	0.40	1.08	1.06	0.20	0.33	1.17	1.11
7/29/2014 4:30	0.24	0.40	1.09	1.06	0.20	0.33	1.18	1.11
7/29/2014 5:00	0.24	0.40	1.09	1.06	0.20	0.33	1.17	1.11
7/29/2014 5:30	0.24	0.40	1.09	1.06	0.20	0.33	1.17	1.11
7/29/2014 6:00	0.24	0.40	1.09	1.06	0.20	0.33	1.18	1.11
7/29/2014 6:30	0.24	0.40	1.09	1.06	0.20	0.33	1.17	1.11
7/29/2014 7:00	0.23	0.31	0.98	0.96	0.16	0.26	1.09	1.01
7/29/2014 7:30	0.23	0.40	1.05	1.02	0.19	0.34	1.13	1.07
7/29/2014 8:00	0.23	0.39	1.07	1.05	0.19	0.33	1.16	1.10
7/29/2014 8:30	0.24	0.40	1.09	1.06	0.20	0.33	1.17	1.11
7/29/2014 9:00	0.24	0.40	1.07	1.05	0.20	0.33	1.16	1.10
7/29/2014 9:30	0.23	0.40	1.04	1.02	0.19	0.33	1.13	1.07
7/29/2014 10:00	0.23	0.40	1.04	1.02	0.19	0.33	1.13	1.07
7/29/2014 10:30	0.23	0.40	1.05	1.03	0.19	0.33	1.14	1.08
7/29/2014 11:00	0.23	0.39	1.04	1.02	0.19	0.32	1.13	1.07
7/29/2014 11:30	0.23	0.39	1.04	1.02	0.18	0.32	1.13	1.07
7/29/2014 12:00	0.23	0.39	1.06	1.04	0.19	0.32	1.15	1.09
7/29/2014 12:30	0.23	0.39	1.06	1.04	0.19	0.32	1.15	1.09
7/29/2014 13:00	0.23	0.39	1.06	1.04	0.19	0.32	1.15	1.09
7/29/2014 13:30	0.23	0.37	1.03	1.01	0.19	0.31	1.13	1.07
7/29/2014 14:00	0.23	0.39	1.06	1.05	0.19	0.33	1.15	1.09
7/29/2014 14:30	0.23	0.39	1.06	1.04	0.19	0.33	1.15	1.09
7/29/2014 15:00	0.23	0.39	1.07	1.04	0.19	0.33	1.15	1.09
7/29/2014 15:30	0.23	0.39	1.07	1.05	0.19	0.33	1.15	1.09
7/29/2014 16:00	0.23	0.39	1.06	1.05	0.19	0.33	1.15	1.10
7/29/2014 16:30	0.26	0.45	1.21	1.21	0.22	0.38	1.35	1.28
7/29/2014 17:00	0.26	0.43	1.20	1.18	0.21	0.36	1.30	1.23
7/29/2014 17:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 18:00	0.26	0.43	1.20	1.19	0.21	0.36	1.31	1.23
7/29/2014 18:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 19:00	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 19:30	0.26	0.43	1.21	1.20	0.22	0.36	1.31	1.24
7/29/2014 20:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.24
7/29/2014 20:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 21:00	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 21:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.23
7/29/2014 22:00	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 22:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 23:00	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/29/2014 23:30	0.26	0.43	1.21	1.19	0.22	0.36	1.31	1.24
7/30/2014 0:00	0.26	0.43	1.22	1.20	0.22	0.36	1.31	1.24
7/30/2014 0:30	0.26	0.43	1.22	1.20	0.22	0.36	1.31	1.24
7/30/2014 1:00	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
7/30/2014 1:30	0.27	0.43	1.22	1.20	0.22	0.36	1.32	1.24
7/30/2014 2:00	0.27	0.43	1.22	1.20	0.22	0.36	1.32	1.24
7/30/2014 2:30	0.27	0.43	1.22	1.20	0.22	0.36	1.32	1.24
7/30/2014 3:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 3:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 4:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 4:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 5:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 5:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 6:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 6:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.25
7/30/2014 7:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 7:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
7/30/2014 8:00	0.26	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/30/2014 8:30	0.26	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/30/2014 9:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/30/2014 9:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/30/2014 10:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
7/30/2014 10:30	0.26	0.43	1.21	1.19	0.22	0.37	1.30	1.24
7/30/2014 11:00	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 11:30	0.25	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 12:00	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 12:30	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 13:00	0.26	0.43	1.19	1.18	0.21	0.37	1.30	1.23
7/30/2014 13:30	0.26	0.43	1.20	1.18	0.21	0.37	1.29	1.22
7/30/2014 14:00	0.26	0.43	1.20	1.18	0.21	0.37	1.29	1.22
7/30/2014 14:30	0.26	0.43	1.20	1.18	0.21	0.37	1.29	1.22
7/30/2014 15:00	0.26	0.43	1.19	1.18	0.21	0.37	1.29	1.22
7/30/2014 15:30	0.26	0.43	1.19	1.18	0.21	0.37	1.29	1.22
7/30/2014 16:00	0.26	0.43	1.19	1.18	0.21	0.37	1.29	1.22
7/30/2014 16:30	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.22
7/30/2014 17:00	0.26	0.43	1.20	1.19	0.21	0.37	1.30	1.22
7/30/2014 17:30	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 18:00	0.26	0.43	1.20	1.19	0.21	0.37	1.30	1.23
7/30/2014 18:30	0.26	0.43	1.20	1.18	0.21	0.37	1.30	1.23
7/30/2014 19:00	0.26	0.42	1.21	1.19	0.21	0.37	1.31	1.23
7/30/2014 19:30	0.26	0.42	1.21	1.20	0.21	0.37	1.31	1.24
7/30/2014 20:00	0.26	0.42	1.22	1.20	0.22	0.37	1.31	1.24
7/30/2014 20:30	0.26	0.42	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 21:00	0.26	0.42	1.21	1.20	0.22	0.37	1.31	1.24
7/30/2014 21:30	0.26	0.42	1.22	1.20	0.21	0.37	1.32	1.24
7/30/2014 22:00	0.26	0.42	1.22	1.20	0.22	0.37	1.31	1.24
7/30/2014 22:30	0.26	0.42	1.22	1.20	0.22	0.37	1.31	1.24
7/30/2014 23:00	0.26	0.42	1.22	1.20	0.22	0.37	1.32	1.24
7/30/2014 23:30	0.26	0.42	1.22	1.20	0.22	0.37	1.32	1.24
7/31/2014 0:00	0.26	0.42	1.23	1.20	0.22	0.37	1.32	1.25
7/31/2014 0:30	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 1:00	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 1:30	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 2:00	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 2:30	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 3:00	0.27	0.42	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 3:30	0.27	0.43	1.23	1.21	0.22	0.37	1.33	1.25
7/31/2014 4:00	0.27	0.43	1.24	1.21	0.22	0.37	1.33	1.26
7/31/2014 4:30	0.27	0.43	1.23	1.21	0.22	0.37	1.32	1.25
7/31/2014 5:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 5:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 6:00	0.26	0.43	1.21	1.18	0.22	0.37	1.31	1.23
7/31/2014 6:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 7:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 7:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 8:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 8:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 9:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 9:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 10:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 10:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 11:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
7/31/2014 11:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
7/31/2014 12:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
7/31/2014 12:30	0.27	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/31/2014 13:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/31/2014 13:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/31/2014 14:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/31/2014 14:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/31/2014 15:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
7/31/2014 15:30	0.26	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/31/2014 16:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 16:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 17:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 17:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 18:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 18:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 19:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 19:30	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 20:00	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 20:30	0.27	0.43	1.21	1.19	0.22	0.37	1.31	1.23
7/31/2014 21:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
7/31/2014 21:30	0.27	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/31/2014 22:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
7/31/2014 22:30	0.27	0.43	1.22	1.19	0.22	0.37	1.31	1.24
7/31/2014 23:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
7/31/2014 23:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 0:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 0:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 1:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 1:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 2:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 2:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 3:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 3:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 4:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 4:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 5:00	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/1/2014 5:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/1/2014 6:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/1/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/1/2014 7:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/1/2014 7:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.24
8/1/2014 8:00	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/1/2014 8:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 9:00	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/1/2014 9:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.25
8/1/2014 10:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 10:30	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.25
8/1/2014 11:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/1/2014 11:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.25
8/1/2014 12:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 12:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 13:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 13:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 14:00	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 14:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 15:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 15:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/1/2014 16:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 16:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 17:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 17:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 18:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/1/2014 18:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 19:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 19:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 20:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 20:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 21:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 21:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 22:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 22:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 23:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/1/2014 23:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 0:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 0:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 1:00	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/2/2014 1:30	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 2:00	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/2/2014 2:30	0.27	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/2/2014 3:00	0.27	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 3:30	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/2/2014 4:00	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/2/2014 4:30	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/2/2014 5:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.24
8/2/2014 5:30	0.27	0.43	1.23	1.19	0.22	0.37	1.33	1.25
8/2/2014 6:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 7:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 7:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 8:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 8:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 9:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 9:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 10:00	0.27	0.43	1.23	1.20	0.23	0.37	1.33	1.25
8/2/2014 10:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 11:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 11:30	0.27	0.43	1.24	1.20	0.22	0.37	1.33	1.25
8/2/2014 12:00	0.27	0.43	1.24	1.20	0.23	0.37	1.33	1.25
8/2/2014 12:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 13:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 13:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 14:00	0.26	0.43	1.23	1.20	0.22	0.37	1.32	1.25
8/2/2014 14:30	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 15:00	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 15:30	0.26	0.43	1.23	1.20	0.22	0.37	1.32	1.25
8/2/2014 16:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.25
8/2/2014 16:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 17:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 17:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 18:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 18:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 19:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/2/2014 19:30	0.26	0.43	1.23	1.20	0.22	0.37	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/2/2014 20:00	0.26	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/2/2014 20:30	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 21:00	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 21:30	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 22:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 22:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/2/2014 23:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.24
8/2/2014 23:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 0:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 0:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 1:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 1:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 2:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 2:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 3:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 3:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 4:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 4:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 5:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 5:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 6:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 7:00	0.27	0.43	1.23	1.20	0.23	0.37	1.33	1.25
8/3/2014 7:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 8:00	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 8:30	0.27	0.43	1.23	1.20	0.22	0.37	1.33	1.25
8/3/2014 9:00	0.26	0.43	1.23	1.20	0.22	0.37	1.33	1.24
8/3/2014 9:30	0.27	0.43	1.23	1.20	0.22	0.37	1.32	1.24
8/3/2014 10:00	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 10:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 11:00	0.26	0.43	1.22	1.19	0.21	0.37	1.31	1.24
8/3/2014 11:30	0.26	0.43	1.22	1.19	0.22	0.37	1.31	1.23
8/3/2014 12:00	0.26	0.43	1.22	1.19	0.21	0.37	1.31	1.24
8/3/2014 12:30	0.26	0.43	1.22	1.19	0.21	0.37	1.32	1.24
8/3/2014 13:00	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 13:30	0.26	0.43	1.22	1.19	0.21	0.37	1.31	1.24
8/3/2014 14:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.24
8/3/2014 14:30	0.26	0.43	1.22	1.19	0.21	0.37	1.32	1.24
8/3/2014 15:00	0.26	0.43	1.21	1.19	0.22	0.37	1.31	1.24
8/3/2014 15:30	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 16:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 16:30	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 17:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 17:30	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 18:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 18:30	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 19:00	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.23
8/3/2014 19:30	0.26	0.43	1.21	1.19	0.21	0.37	1.31	1.24
8/3/2014 20:00	0.26	0.43	1.22	1.19	0.21	0.37	1.32	1.24
8/3/2014 20:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 21:00	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 21:30	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 22:00	0.26	0.43	1.22	1.19	0.22	0.37	1.32	1.24
8/3/2014 22:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/3/2014 23:00	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24
8/3/2014 23:30	0.26	0.43	1.22	1.20	0.22	0.37	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/4/2014 0:00	0.27	0.43	1.21	1.19	0.22	0.36	1.32	1.24
8/4/2014 0:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/4/2014 1:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.25
8/4/2014 1:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 2:00	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 2:30	0.27	0.43	1.23	1.20	0.22	0.36	1.32	1.25
8/4/2014 3:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/4/2014 3:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 4:00	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 4:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 5:00	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 5:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 6:00	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 7:00	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 7:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 8:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/4/2014 8:30	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/4/2014 9:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/4/2014 9:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/4/2014 10:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/4/2014 10:30	0.26	0.43	1.22	1.19	0.22	0.36	1.31	1.24
8/4/2014 11:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 11:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/4/2014 12:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 12:30	0.26	0.43	1.21	1.18	0.22	0.36	1.31	1.23
8/4/2014 13:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 13:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/4/2014 14:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 14:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 15:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 15:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 16:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/4/2014 16:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 17:00	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/4/2014 17:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 18:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 18:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 19:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/4/2014 19:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/4/2014 20:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/4/2014 20:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/4/2014 21:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/4/2014 21:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/4/2014 22:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/4/2014 22:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/4/2014 23:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/4/2014 23:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/5/2014 0:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/5/2014 0:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/5/2014 1:00	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/5/2014 1:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/5/2014 2:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/5/2014 2:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/5/2014 3:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/5/2014 3:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/5/2014 4:00	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/5/2014 4:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/5/2014 5:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/5/2014 5:30	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/5/2014 6:00	0.26	0.43	1.23	1.19	0.22	0.36	1.33	1.24
8/5/2014 6:30	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/5/2014 7:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.25
8/5/2014 7:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/5/2014 8:00	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/5/2014 8:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/5/2014 9:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.24
8/5/2014 9:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 10:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.24
8/5/2014 10:30	0.25	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/5/2014 11:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 11:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 12:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 12:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 13:00	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 13:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 14:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 14:30	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 15:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/5/2014 15:30	0.26	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/5/2014 16:00	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/5/2014 16:30	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/5/2014 17:00	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/5/2014 17:30	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/5/2014 18:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 18:30	0.26	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/5/2014 19:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/5/2014 19:30	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/5/2014 20:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 20:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 21:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/5/2014 21:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/5/2014 22:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/5/2014 22:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/5/2014 23:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/5/2014 23:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/6/2014 0:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/6/2014 0:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/6/2014 1:00	0.26	0.43	1.22	1.19	0.22	0.36	1.31	1.23
8/6/2014 1:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/6/2014 2:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/6/2014 2:30	0.26	0.43	1.22	1.19	0.22	0.36	1.31	1.23
8/6/2014 3:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/6/2014 3:30	0.26	0.43	1.22	1.19	0.22	0.36	1.31	1.24
8/6/2014 4:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/6/2014 4:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.24
8/6/2014 5:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/6/2014 5:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/6/2014 6:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/6/2014 6:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/6/2014 7:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/6/2014 7:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/6/2014 8:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/6/2014 8:30	0.26	0.43	1.21	1.19	0.21	0.36	1.32	1.24
8/6/2014 9:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.24
8/6/2014 9:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/6/2014 10:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/6/2014 10:30	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/6/2014 11:00	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/6/2014 11:30	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.22
8/6/2014 12:00	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.23
8/6/2014 12:30	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/6/2014 13:00	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.22
8/6/2014 13:30	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/6/2014 14:00	0.25	0.42	1.20	1.17	0.21	0.36	1.30	1.22
8/6/2014 14:30	0.25	0.42	1.20	1.17	0.21	0.36	1.30	1.22
8/6/2014 15:00	0.25	0.42	1.20	1.18	0.21	0.36	1.31	1.23
8/6/2014 15:30	0.26	0.42	1.21	1.19	0.21	0.36	1.31	1.23
8/6/2014 16:00	0.26	0.42	1.21	1.19	0.21	0.36	1.31	1.23
8/6/2014 16:30	0.26	0.42	1.21	1.19	0.21	0.36	1.31	1.23
8/6/2014 17:00	0.26	0.42	1.21	1.19	0.21	0.35	1.31	1.24
8/6/2014 17:30	0.26	0.42	1.22	1.19	0.21	0.35	1.31	1.24
8/6/2014 18:00	0.26	0.42	1.22	1.19	0.21	0.35	1.32	1.24
8/6/2014 18:30	0.26	0.42	1.22	1.19	0.21	0.35	1.31	1.24
8/6/2014 19:00	0.25	0.42	1.19	1.17	0.21	0.35	1.29	1.22
8/6/2014 19:30	0.25	0.42	1.19	1.17	0.21	0.35	1.29	1.21
8/6/2014 20:00	0.25	0.42	1.19	1.17	0.21	0.35	1.29	1.22
8/6/2014 20:30	0.26	0.42	1.19	1.17	0.21	0.35	1.29	1.21
8/6/2014 21:00	0.26	0.42	1.20	1.17	0.21	0.35	1.29	1.22
8/6/2014 21:30	0.26	0.42	1.20	1.17	0.21	0.35	1.29	1.21
8/6/2014 22:00	0.25	0.42	1.20	1.17	0.21	0.35	1.29	1.22
8/6/2014 22:30	0.25	0.42	1.19	1.17	0.21	0.35	1.29	1.22
8/6/2014 23:00	0.25	0.42	1.20	1.17	0.21	0.35	1.29	1.22
8/6/2014 23:30	0.25	0.42	1.20	1.17	0.21	0.35	1.29	1.22
8/7/2014 0:00	0.25	0.42	1.20	1.17	0.21	0.35	1.29	1.22
8/7/2014 0:30	0.25	0.42	1.20	1.17	0.21	0.35	1.30	1.22
8/7/2014 1:00	0.26	0.42	1.20	1.17	0.21	0.35	1.30	1.22
8/7/2014 1:30	0.25	0.41	1.19	1.16	0.21	0.35	1.29	1.21
8/7/2014 2:00	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 2:30	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 3:00	0.25	0.43	1.20	1.17	0.21	0.36	1.29	1.22
8/7/2014 3:30	0.26	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 4:00	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 4:30	0.25	0.43	1.20	1.18	0.21	0.36	1.30	1.22
8/7/2014 5:00	0.26	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 5:30	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.22
8/7/2014 6:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.22
8/7/2014 6:30	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.22
8/7/2014 7:00	0.26	0.43	1.20	1.18	0.21	0.36	1.30	1.22
8/7/2014 7:30	0.26	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 8:00	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 8:30	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 9:00	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 9:30	0.25	0.43	1.19	1.17	0.21	0.36	1.29	1.22
8/7/2014 10:00	0.25	0.43	1.20	1.17	0.21	0.36	1.30	1.22
8/7/2014 10:30	0.25	0.43	1.19	1.17	0.21	0.36	1.29	1.22
8/7/2014 11:00	0.25	0.43	1.19	1.17	0.21	0.36	1.29	1.21
8/7/2014 11:30	0.25	0.43	1.19	1.17	0.21	0.36	1.29	1.21

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/7/2014 12:00	0.25	0.43	1.19	1.16	0.21	0.36	1.29	1.21
8/7/2014 12:30	0.25	0.43	1.19	1.16	0.21	0.36	1.29	1.21
8/7/2014 13:00	0.25	0.43	1.19	1.17	0.20	0.36	1.29	1.21
8/7/2014 13:30	0.25	0.43	1.19	1.16	0.20	0.36	1.28	1.21
8/7/2014 14:00	0.25	0.43	1.19	1.17	0.20	0.36	1.28	1.21
8/7/2014 14:30	0.25	0.43	1.19	1.17	0.20	0.36	1.29	1.21
8/7/2014 15:00	0.25	0.43	1.19	1.17	0.21	0.36	1.29	1.22
8/7/2014 15:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/7/2014 16:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/7/2014 16:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.24
8/7/2014 17:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.24
8/7/2014 17:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/7/2014 18:00	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 18:30	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 19:00	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 19:30	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 20:00	0.26	0.43	1.23	1.21	0.21	0.36	1.33	1.25
8/7/2014 20:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/7/2014 21:00	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 21:30	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/7/2014 22:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/7/2014 22:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/7/2014 23:00	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/7/2014 23:30	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/8/2014 0:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/8/2014 0:30	0.26	0.43	1.23	1.19	0.21	0.36	1.32	1.24
8/8/2014 1:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/8/2014 1:30	0.26	0.43	1.23	1.20	0.21	0.36	1.32	1.24
8/8/2014 2:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/8/2014 2:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/8/2014 3:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/8/2014 3:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 4:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 4:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 5:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 5:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 6:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 7:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/8/2014 7:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/8/2014 8:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/8/2014 8:30	0.26	0.42	1.21	1.19	0.21	0.35	1.31	1.23
8/8/2014 9:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/8/2014 9:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/8/2014 10:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23
8/8/2014 10:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 11:00	0.26	0.43	1.22	1.19	0.22	0.36	1.31	1.23
8/8/2014 11:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 12:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 12:30	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 13:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 13:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 14:00	0.26	0.43	1.20	1.18	0.21	0.36	1.31	1.23
8/8/2014 14:30	0.26	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/8/2014 15:00	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 15:30	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/8/2014 16:00	0.25	0.43	1.21	1.18	0.21	0.36	1.30	1.23
8/8/2014 16:30	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 17:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 17:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 18:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 18:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/8/2014 19:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 19:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 20:00	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 20:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/8/2014 21:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/8/2014 21:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/8/2014 22:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/8/2014 22:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/8/2014 23:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/8/2014 23:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/9/2014 0:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/9/2014 0:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.23
8/9/2014 1:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 1:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23
8/9/2014 2:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 2:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23
8/9/2014 3:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 3:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 4:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 4:30	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 5:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 5:30	0.26	0.43	1.22	1.20	0.21	0.36	1.32	1.24
8/9/2014 6:00	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/9/2014 6:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/9/2014 7:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/9/2014 7:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.25
8/9/2014 8:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/9/2014 8:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/9/2014 9:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 9:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23
8/9/2014 10:00	0.26	0.43	1.22	1.18	0.21	0.36	1.31	1.23
8/9/2014 10:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/9/2014 11:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 11:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 12:00	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 12:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 13:00	0.26	0.42	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 13:30	0.26	0.42	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 14:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 14:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 15:00	0.25	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 15:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/9/2014 16:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 16:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 17:00	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/9/2014 17:30	0.26	0.43	1.21	1.19	0.21	0.36	1.31	1.23
8/9/2014 18:00	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 18:30	0.26	0.43	1.21	1.18	0.21	0.36	1.31	1.23
8/9/2014 19:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 19:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23

Preliminary Data from Central Monitoring System

	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Date and Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/9/2014 20:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.23
8/9/2014 20:30	0.26	0.43	1.22	1.19	0.21	0.36	1.31	1.23
8/9/2014 21:00	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 21:30	0.26	0.43	1.22	1.19	0.21	0.36	1.32	1.24
8/9/2014 22:00	0.26	0.43	1.22	1.19	0.22	0.36	1.32	1.24
8/9/2014 22:30	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/9/2014 23:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/9/2014 23:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/10/2014 0:00	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/10/2014 0:30	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/10/2014 1:00	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/10/2014 1:30	0.26	0.43	1.23	1.20	0.22	0.36	1.32	1.24
8/10/2014 2:00	0.26	0.43	1.23	1.19	0.21	0.36	1.32	1.24
8/10/2014 2:30	0.26	0.43	1.22	1.20	0.22	0.36	1.32	1.24
8/10/2014 3:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/10/2014 3:30	0.26	0.43	1.23	1.19	0.22	0.36	1.33	1.24
8/10/2014 4:00	0.26	0.43	1.23	1.19	0.22	0.36	1.33	1.24
8/10/2014 4:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/10/2014 5:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/10/2014 5:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/10/2014 6:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/10/2014 6:30	0.27	0.43	1.23	1.20	0.22	0.36	1.33	1.24
8/10/2014 7:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/10/2014 7:30	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/10/2014 8:00	0.26	0.43	1.23	1.20	0.22	0.36	1.33	1.25
8/10/2014 8:30	0.26	0.43	1.23	1.19	0.22	0.36	1.32	1.24
8/10/2014 9:00	0.23	0.13	0.95	1.04	0.18	0.19	1.17	1.07
8/10/2014 9:30	0.26	0.41	1.18	1.16	0.21	0.31	1.28	1.21
8/10/2014 10:00	0.26	0.44	1.24	1.21	0.22	0.37	1.33	1.25
8/10/2014 10:30	0.26	0.44	1.23	1.21	0.22	0.37	1.33	1.26
8/10/2014 11:00	0.27	0.44	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 11:30	0.26	0.44	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 12:00	0.26	0.44	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 12:30	0.26	0.44	1.24	1.22	0.22	0.37	1.34	1.26
8/10/2014 13:00	0.26	0.44	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 13:30	0.26	0.43	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 14:00	0.26	0.43	1.24	1.21	0.22	0.37	1.34	1.26
8/10/2014 14:30	0.26	0.43	1.24	1.21	0.21	0.37	1.34	1.26
8/10/2014 15:00	0.26	0.43	1.24	1.21	0.21	0.37	1.34	1.26
8/10/2014 15:30	0.27	0.43	1.24	1.22	0.21	0.37	1.34	1.26
8/10/2014 16:00	0.22	0.19	0.98	1.01	0.19	0.12	1.17	1.06
8/10/2014 16:30	0.28	0.33	1.22	1.25	0.23	0.30	1.33	1.22
8/10/2014 17:00	0.29	0.47	1.37	1.35	0.23	0.40	1.48	1.39
8/10/2014 17:30	0.29	0.47	1.37	1.35	0.24	0.40	1.49	1.39
8/10/2014 18:00	0.29	0.47	1.38	1.35	0.24	0.40	1.49	1.40
8/10/2014 18:30	0.29	0.47	1.38	1.36	0.24	0.40	1.49	1.40
8/10/2014 19:00	0.29	0.47	1.38	1.36	0.24	0.40	1.50	1.40
8/10/2014 19:30	0.29	0.47	1.38	1.36	0.24	0.40	1.50	1.40
8/10/2014 20:00	0.29	0.48	1.39	1.36	0.24	0.40	1.50	1.41
8/10/2014 20:30	0.29	0.48	1.39	1.36	0.24	0.40	1.51	1.41
8/10/2014 21:00	0.29	0.48	1.40	1.37	0.24	0.40	1.51	1.41
8/10/2014 21:30	0.28	0.44	1.30	1.26	0.23	0.37	1.41	1.32
8/10/2014 22:00	0.28	0.46	1.35	1.32	0.23	0.39	1.45	1.36
8/10/2014 22:30	0.28	0.46	1.35	1.31	0.23	0.39	1.46	1.36

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
8/10/2014 23:00	0.28	0.46	1.35	1.32	0.24	0.39	1.46	1.36
8/10/2014 23:30	0.28	0.46	1.35	1.32	0.23	0.39	1.46	1.36

*in wg - inches of water gauge

Attachment 6
Surface and Underground Derived Waste Currently in Storage at the WIPP Facility (reserved)

Attachment 7
Status of RCRA Contingency Plan Required Activities (reserved)

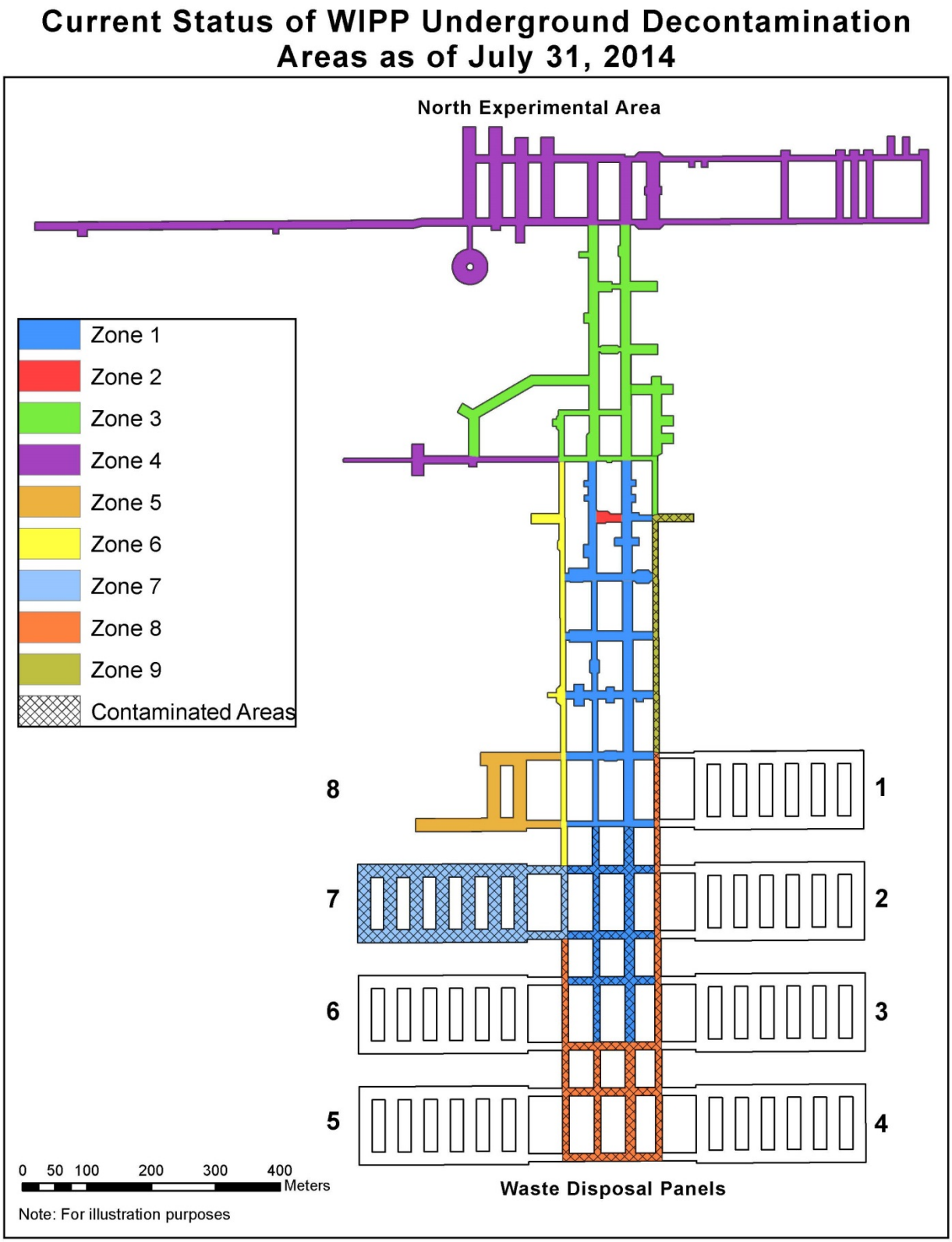
Attachment 8
Corrective Actions Required for Recovery
(reserved)

Attachment 9
Waste Placement Layout Maps, Panel 7, Room 7
(reserved)

Attachment 10
Weekly Map Update, Panels 7 and 8 (reserved)

Attachment 11
As-Found Condition of Panel 7 (reserved)

Attachment 12
Panel 7 Recovery-Related Work



Current Status of the WIPP Underground Decontamination Areas

July 28, 2014, through August 10, 2014 Reporting Period