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NMED
Hazardous Waste Bureau

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

JUL 11 2014

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

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

Subject: Bi-Weekly Report for the period ending June 29, 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 week ending June 29, 2014, as required 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:
T. Kliphuis, NMED *ED
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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 June 16, 2014, through June 29, 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 outline 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 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 underground monitoring 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.

<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 4.5.3.1.

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:

See Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*. All waste is currently being stored in the WHB. Since the submittal of the last bi-weekly report, this attachment has been updated to include the derived waste that has been generated as a result of underground ventilation filter change-out activities.

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 two locations, as indicated in Attachment 4. The sample location at the facility fence line was recently moved slightly to the southeast to obtain a more accurate reflection of background conditions. The results of sample analyses are provided in Attachment 4.

- 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 June 23, 2014, at the 12:30 p.m. and 12:45 p.m. 15-minute time intervals. 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. During this reporting period only the 41-B-857 filter unit was operating until June 17, 2014, at which time the 41-B-857 filter unit was isolated in preparation for underground ventilation filter replacement. During the spraying of fixative on the filters to isolate contamination, the 41-B-857 filter unit was not completely isolated resulting in differential pressure readings on June 20, 2014. From June 17, 2014, to June 25, 2014, the 41-B-856 filter unit was in operation while filter placement activities were being conducted at the 41-B-857 unit. On June 25, 2014, underground ventilation filter activities were completed and both filter units were placed back in operation.

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 required to be submitted to the NMED by June 26, 2014. On June 24, 2014, additional derived waste was generated as a result of filter change-out activities at

the 41-B-857 filter unit. See Attachment 6, *Surface and Underground Derived Waste Currently in Storage at the WIPP Facility*.

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:

See Attachment 7, *Status of RCRA Contingency Plan Required Activities,* for a matrix outlining compliance with the individual sections applicable to the ongoing implementation of the RCRA Contingency Plan. Sections of the RCRA Contingency Plan that are descriptive in nature, not applicable to the current implementation of the plan, or no longer applicable to ongoing activities associated with implementation of the plan have been removed from the matrix that was submitted with the initial bi-weekly report; there have been no changes to the status of these requirements.

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 have been no re-entries to the underground since May 30, 2014, due to filter replacement activities associated with the underground ventilation filters. 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 provided in the initial bi-weekly report submitted to the NMED on June 13, 2014. There have been no re-entries to the underground since May 30, 2014, due to filter replacement activities associated with the underground ventilation filters. 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:

The Permittees have been performing radiological surveys during underground re-entries; however, future re-entries are on hold pending the completion of underground ventilation filter change-out activities. A radiological buffer area (RBA) has been established in the underground area between the salt shaft and the air intake shaft. An RBA is an area where access is managed in order to protect individuals from exposure to radiation and/or radioactive materials. The other areas leading up to and including Panel 7 are Airborne Radiation Areas (ARAs) and High Contamination Areas (HCAs). In addition, the Permittees are in the process of finalizing the WIPP Recovery Plan. On June 17, 2014, filter replacement activities at the 41-B-856 filter unit were completed, and the 41-B-857 unit was isolated in preparation for the Mod and High-Efficiency filter change-out. On June 25, 2014, both filter units were placed back in operation. As the Permittees continue to conduct recovery activities, additional descriptions will be provided in subsequent reports. Relevant photographs will be included in Attachment 12, *Panel 7 Recovery-Related Work* (currently reserved).

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:

As a result of the underground vehicle fire event on February 5, 2014, clean-up activities have been required to address the accumulation of soot in the Waste Handling Building and the Waste Hoist Tower.

Clean-up efforts in the Waste Hoist Tower RBA and the Waste Hoist Collar have been completed. Ductwork on the 2nd floor of the Waste Hoist Tower has been cleaned, and cleaning of the ductwork on the 4th and 5th floors will continue until early July. The heating, ventilation, and air-conditioning (HVAC) filters were removed from the Waste Hoist Control

Room in early June, and cleaning of the Waste Hoist Control Room ventilation system and the air intake ventilation ductwork began the second week of June. In mid-June, cleaning began on the waste hoist motor and polarization index. The polarization index is a resistance test kit done on motors and generators. The inside of the hoist motor cooling duct, fan, cooling coil, and filter housing are scheduled to be cleaned the latter part of June into early July, as is the 3rd floor ventilation ductwork in the Waste Hoist Tower. The Waste Hoist master control station and power converter are also scheduled to be cleaned during this time frame.

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	5/30/14	N/A	Inspection performed daily before Hoist is declared in service. No re-entries since 5/30/14.
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	5/30/14	N/A	Inspection performed daily before Hoist is declared in service.
Self-Rescuers	Underground Operations	Quarterly	WP 04-AU1026 Inspecting for Deterioration and Functionality in accordance with MSHA requirements	Current	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	5/30/14	N/A	Inspected prior to re-entry. No re-entries since 5/30/14.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Current	6/29/14	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 (Surface)	Emergency Services	Semiannually	12-FP0027 Inspecting for Deterioration, Operability of indicator lights and, underground fuel station dry chemical suppression system. Inspection is per NFPA 17	Current	1/7/14 (Due 7/7/14)	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 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	5/23/14 (Due 6/30/14)	N/A	
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	6/23/14	N/A	
Fire Sprinkler Systems	Emergency Services	Monthly/quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Current	6/23/14, 6/24/14, 6/25/14	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	6/27/14	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 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	6/24/14	N/A	
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	6/28/14	N/A	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Current	6/26/14	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	6/26/14, 6/27/14, 6/29/14	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
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	6/26/14 (41-T-035)	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.
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	6/26/14 (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	6/21/14 (74-H-010B) 6/26/14 (41-H-012C) (41-H-009) 6/27/14 (41-H-012D) (41-H-051) (41-H-013) (41-H-012E)	N/A	

System/Equipment Name	Responsible Organization	Inspection Frequency	Procedure Number and Inspection Criteria	Inspection Status (Current/ Not Current)	Date of Last Inspection	Proposed Start Date (if Not Current or Equipment Not in Use)[1]	Comments
Forklifts Used for Waste Handling (Electric and Diesel forklifts, Push-Pull Attachment) in Underground	Waste Handling	Preoperational	WP 05-WH1201, WP 05-WH1207, WP 05-WH1401, WP 05-WH1402, WP 05-WH1403, and WP 05-WH1412 Inspecting for Mechanical Operability, Deterioration, and On board fire suppression system	Current	2/5/14	When waste disposal operations resume	Equipment not in use due to the fire and radiological events. 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	6/23/14 (Weekly) 6/29/14 (Daily)	N/A	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Current	12/31/13	N/A	
Underground TRU Mixed Waste Disposal Area	Waste Handling	Preoperational	WP 05-WH1810 Inspecting for Deterioration, Leaks/Spills, mine pager phones, equipment, unobstructed access, signs, debris, and ventilation	Current	2/5/14	When waste disposal operations resume	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	6/26/14 (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	6/5/14 (41-T-160B) 6/27/14 (41-T-160A)	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
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	6/26/14 (41-H-151A)	N/A	There are three Trailer Jockeys, but the pre-operational inspection was only performed on the one listed. The other Trailer Jockeys will be inspected prior to use.
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Current	6/29/12	When waste disposal operations resume	Equipment is currently out of service.
Yard Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1205 Mechanical Operability, clear of obstacles and Guards in proper place	Current	6/26/14 (41-Z-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	6/26/14 (41-Z-041)	N/A	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Current	6/26/14 (41-H-027)	N/A	
Bolting Station	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability, Deterioration, and Guards in proper place	Current	6/26/14 (41-T-053A) (41-T-054A)	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
Backup Power Supply Diesel Generators	Facility Operations	Monthly	WP 04-ED1301 Inspecting for Mechanical Operability and Leaks/Spills by starting and operating both generators. Results of this inspection are logged in accordance with WP 04-AD3008.	Current	6/28/14 (#1) 6/28/14 (#2)	N/A	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Current	Automatic	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	5/29/14	N/A	
Public Address (and Intercom System) in Underground	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations Systems operated in test mode	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	6/29/14	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	6/29/14	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	6/29/14	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
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	6/16/14, 6/17/14, 6/18/14, 6/19/14, 6/23/14, 6/24/14, 6/25/14	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	6/29/14	N/A	
Underground— Geomechanical Instrumentation System (GIS)	Geotechnical Engineering	Monthly	WP 07-EU1301 Inspecting for Deterioration	Current	6/24/14	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

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	7/15/2014	SR139200	6-55G Drums	44.4
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	3/16/2014 8:45	2/1/2014 8:15	7/15/2014	SR139201	7-55G Drums	51.8
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:32	7/15/2014	SR139206	4-55G Drums	29.6
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:40	3/16/2014 8:40	2/1/2014 8:34	7/15/2014	SR139207	7-55G Drums	51.8
LANL	LA140018	2/1/2014 1:30	1/29/2014 14:25	3/29/2014 14:25	2/1/2014 12:40	7/15/2014	LA139903	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:25	7/15/2014	LA139927	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	3/30/2014 15:20	2/1/2014 14:26	7/15/2014	LA139928	1 SWB	66.3
INL	IN140037	2/1/2014 21:11	1/30/2014 14:00	3/30/2014 14:00	2/2/2014 10:17	7/15/2014	IN139806	1 TDOP	160
INL	IN140037	2/1/2014 21:11	1/30/2014 14:03	3/30/2014 14:03	2/2/2014 10:24	7/15/2014	IN139814	1 TDOP	160
SRS	SR314011	1/28/2014 14:10	1/22/2014 8:30	3/22/2014 8:30	2/3/2014 12:14	7/15/2014	SR139781	1 SLB2	261
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	7/15/2014	IN139540	1 SWB	66.3
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	3/25/2014 13:35	2/3/2014 13:15	7/15/2014	IN139541	1 SWB	66.3
INL	IN140041	2/3/2014 7:13	1/31/2014 13:30	3/31/2014 13:30	2/3/2014 14:37	7/15/2014	IN140062	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:21	3/31/2014 13:21	2/4/2014 9:04	7/15/2014	IN140133	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:40	3/31/2014 13:40	2/4/2014 9:31	7/15/2014	IN140129	1 TDOP	160
INL	IN140041	2/3/2014 7:13	1/31/2014 13:35	3/31/2014 13:35	2/4/2014 9:37	7/15/2014	IN139266	1 TDOP	160
INL	IN140040	2/3/2014 0:17	1/31/2014 13:13	3/31/2014 13:13	2/4/2014 12:22	7/15/2014	IN139593	1 SWB	66.3
INL	IN140040	2/3/2014 0:17	1/31/2014 13:16	3/31/2014 13:16	2/4/2014 12:55	7/15/2014	IN140144	1 TDOP	160
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:51	7/15/2014	SR139755	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:40	3/23/2014 10:40	2/4/2014 13:52	7/15/2014	SR139756	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:00	4/3/2014 10:00	2/4/2014 16:38	7/15/2014	LA139983	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:05	4/3/2014 10:05	2/4/2014 16:44	7/15/2014	LA139972	1 SWB	66.3
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:50	7/15/2014	SR139767	7-55G Drums	51.8
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:51	7/15/2014	SR139760	6-55G Drums	44.4
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	3/23/2014 10:30	2/4/2014 17:51	7/15/2014	SR139766	4-55G Drums	29.6

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:52	7/15/2014	SR139761	7-55G Drums	51.8
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:34	7/15/2014	LA139965	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:15	4/3/2014 10:15	2/5/2014 8:36	7/15/2014	LA139966	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:12	7/15/2014	LA139990	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:13	7/15/2014	LA139991	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:25	4/4/2014 9:25	2/5/2014 9:32	7/15/2014	LA140008	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:12	7/15/2014	IN140096	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	4/1/2014 11:30	2/11/2014 9:13	7/15/2014	IN140097	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:30	4/4/2014 9:30	2/11/2014 9:13	7/15/2014	LA140002	1 SWB	66.3
INL	IN140044	2/6/2014 1:09	2/3/2014 13:55	4/3/2014 13:55	2/11/2014 10:00	7/15/2014	IN139670	1 TDOP	160
INL	IN140044	2/6/2014 1:09	2/3/2014 13:52	4/3/2014 13:52	2/11/2014 10:43	7/15/2014	IN139666	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:44	4/3/2014 13:44	2/11/2014 11:00	7/15/2014	IN140205	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:40	4/3/2014 13:40	2/11/2014 11:02	7/15/2014	IN139923	1 TDOP	160
SRS	SR314012	1/31/2014 16:10	1/27/2014 10:48	3/27/2014 10:48	3/26/2014 9:33	7/15/2014	SR139785	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:19	7/15/2014	SR139977	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	3/31/2014 12:34	3/26/2014 13:20	7/15/2014	SR139978	7-55G Drums	51.8
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:04	7/15/2014	SR139996	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:29	3/31/2014 12:29	3/26/2014 17:05	7/15/2014	SR139997	7-55G Drums	51.8
SRS	SR314013	2/1/2014 15:15	1/28/2014 10:40	3/28/2014 10:40	3/26/2014 18:30	7/15/2014	SR139789	1 SLB2	261
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:40	7/15/2014	SR140015	5-55G Drums	37
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:23	3/31/2014 12:23	3/26/2014 18:43	7/15/2014	SR140016	7-55G Drums	51.8
INL	IN140044	2/6/2014 1:09	2/3/2014 13:49	4/3/2014 13:49	3/27/2014 10:31	7/15/2014	IN136332	7-55G Drums	51.8
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:48	7/15/2014	IN140078	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	4/1/2014 11:35	3/27/2014 12:50	7/15/2014	IN140079	1 SWB	66.3
SRS	SR314014	2/4/2014 13:15	1/30/2014 10:30	3/30/2014 10:30	3/27/2014 14:04	7/15/2014	SR139793	1 SLB2	261

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
INL	IN140043	2/5/2014 0:30	2/1/2014 11:40	4/1/2014 11:40	3/27/2014 14:51	7/15/2014	IN140074	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:34	7/15/2014	IN140090	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:50	4/1/2014 11:50	3/27/2014 15:37	7/15/2014	IN140091	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:45	4/1/2014 11:45	3/27/2014 18:08	7/15/2014	IN140070	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:30	7/15/2014	IN140084	1 SWB	66.3
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	4/1/2014 11:55	3/27/2014 18:36	7/15/2014	IN140085	1 SWB	66.3
INL	IN140045	2/6/2014 1:27	2/3/2014 13:48	4/3/2014 13:48	3/27/2014 19:24	7/15/2014	IN140066	1 SWB	66.3
WIPP[2]	---	6/13/2014	---	---	---	7/15/2014	WISD002[3]	1 SWB	66.3
WIPP[2]	---	6/13/2014	---	---	---	7/15/2014	WISD003[3]	1 SWB	66.3
WIPP[2]	---	6/13/2014	---	---	---	7/15/2014	WISD004[3]	1 SWB	66.3
WIPP[2]	---	6/13/2014	---	---	---	7/15/2014	WISD005[3]	1 SWB	66.3
WIPP[2]	---	6/21/2014	---	---	---	7/15/2014	WISD006[3]	1 SWB	66.3
WIPP[2]	---	6/21/2014	---	---	---	7/15/2014	WISD007[3]	1 SWB	66.3
WIPP[2]	---	6/24/2014	---	---	---	7/15/2014	WISD008[3]	1 SWB	66.3
WIPP[2]	---	6/24/2014	---	---	---	7/15/2014	WISD009[3]	1 SWB	66.3
WIPP[2]	---	6/24/2014	---	---	---	7/15/2014	WISD010[3]	1 SWB	66.3
WIPP[2]	---	6/24/2014	---	---	---	7/15/2014	WISD011[3]	1 SWB	66.3
---	19 Shipments	---	---	---	---	---	---	154 Containers	5,800.4 ft^3

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

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

[3]Derived-waste container number

INL – Idaho National Laboratory

LANL – Los Alamos National Laboratory

SRS – Savannah River Site

SWB – standard waste box

SLB – standard large box

TDOP – ten-drum overpack

WHB – Waste Handling Building

Attachment 3
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: 6/16/14 - 6/22/14

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		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]		62.24	63.17	60.75	62.67	63.8	64.69	64.63	65.01	63.13	63.0	63.30	63.27	64.33	64.73	
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	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 AR 1404207 (3) out of spec, COG aware, Due to EFB HVAC in service
(2) ALARM OOS AR 1307584

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Rev. 2

April 17,2014
Page 1 of 1

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 6/23/14 6/29/14

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		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]	64.73 3	64.81 3	64.81 3	66.21 3	66.13 3	66 3	60.23	64 3	64.06 3	64.14 3	63.45 3	63.78 3	62.4	63.68 3	63.85 3
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 I/S) -	MIN = 202	NORM = 212	MAX = 223	MBP MODE w/ 1-860/1-700 FANS (combined flow of all fans I/S) - MIN = 200 MAX = 275
ALTERNATE MODE (flow per fan I/S) -	MIN = 247	NORM = 260	MAX = 273	MBP MODE w/ 1-860/2-700 FANS (combined flow of all fans I/S) - MIN = 395 MAX = 425
MINIMUM MODE (flow per fan I/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/1-700 FANS (combined flow of all fans I/S) - MIN = 200 MAX = 275
REDUCED MODE (flow per fan I/S) -	MIN = 57	NORM = 60	MAX = 63	MBP MODE w/ 2-860/2-700 FANS (combined flow of all fans I/S) - MIN = 395 MAX = 425
FILTRATION MODE (flow per fan I/S) -	MIN = 57	NORM = 60	MAX = 63	

COMMENTS: ① LOW FLOW ALARM - AR# 1404207 ③ OUT OF SPEC. COG AWARE, DUE TO EFB. HVAC I/S
② ALARM O.O.S. - AR# 1307584

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Rev. 2

April 17,2014
Page 1 of 1

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

Date: 6/16/14 – 6/22/14

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	-.11		-.09		-.11		-.09		-.10		-.11		-.09	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.11	-.11		-.10		-.11		-.10		-.10		-.10		-.10	
SITE GEN WASTE RM. PDD-026C "wc				-.03	-.03		.0		-.02		-.03		-.05		-.03		-.02	
EQUIP DECON RM. PDD-026D "wc				-.09	-.09		-.08		-.09		-.09		-.08		-.09		-.09	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.13	-.13		-.12		-.13		-.11		-.12		-.12		-.12	
CAGE LOADING ROOM PDD-006 "wc				.05	.07		.05		.04		.05		.06		.07		.06	
AIRLOCK ROOM 107 PDD-007 "wc				-.08	-.08		-.07		-.08		-.08		-.07		-.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	118	118	116	116	116	116	118	116	116	115	116	116	115	116	115
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 Pink - Replace AR 1405709

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Rev. 1

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Page 1 of 1

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

Date: 6/23/14 6/29/14

Location: COMPUTER STATIONS CMR, FSM DESK, LOCAL 411, WHB MECH EQUIP RM 200 & 208

Original Signatures on File

ITEM	MIN	NORM	MAX	SUN 2	MON 1	2	TUES 1	2	WED 1	2	THURS 1	2	FRI 1	2	SAT 1	2	SUN 1	2
REVIEWER					Original Signatures on File													
FOT				C/O														
WHB CH ROOM DPs																		
SHIELDED STORAGE RM PDD-026A "wc				-.09	-.10		-.1		-.10		-.11		-.11		-.10		-.11	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.10	-.10		-.1		-.11		-.11		-.11		-.10		-.10	
SITE GEN WASTE RM. PDD-026C "wc				-.02	-.01		-.01		-.04		-.01		-.01		-.02		-.02	
EQUIP DECON RM. PDD-026D "wc				-.09	-.10		-.08		-.07		-.10		-.08		-.08		-.09	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.12	-.14		-.1		-.11		-.11		-.13		-.12		-.11	
CAGE LOADING ROOM PDD-006 "wc				.06	.06		.05		.05		.04		.06		.05		.05	
AIRLOCK ROOM 107 PDD-007 "wc				-.08	-.10		-.07		0		0		-.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	115	116	115	118	115	116	117	116	118	117	116	118	115	115	115
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) Pink - Replace AR# 1405709

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EA04AD3008-26-0
Rev. 1

March 22, 2013
Page 1 of 1

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

Date: 6/16/14 - 6/29/14

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				.1	.12		.11		.12		.12		.11		.12		.12	
MANIP. REPAIR RM.	PDD-21A "wc				-.15	-.14		-.15		-.15		-.15		-.13		-.14		-.15	
FILTER GALLERY	PDD-21B "wc				-.1	-.11		-.1		-.11		-.11		-.10		-.11		-.11	
CASK LOADING RM.	PDD-21C "wc				-.2	-.19		-.2		-.2		-.20		-.19		-.19		-.20	
CASK TRANSFER CELL	PDD-21D "wc				-.3	-.29		-.3		-.3		-.29		-.29		-.29		-.29	
WASTE HOIST OPER RM	PDD-21G "wc				-.02	-.03		-.03		-.02		-.03		.10		.09		-.03	
SERVICE ROOM	PDD-21H "wc	-0.00		-0.15	-.14	-.15		-.15		-.15		-.15		-.14		-.14		-.15	
RH BAY	PDD-21F "wc	0.02		0.7	.04	.04		.05		.04		.05		.04		.05		.04	
HOT CELL	PDT-52 "wc	-0.04		-1.1	-.6	-.65		-.65		-.65		-.64		-.65		-.64		-.65	
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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EA04AD3008-23-0
Rev. 2

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March 19, 2013
Page 1 of 1

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

Date: 6/23/14 6/29/14

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				.12	.11		-.1		.09		.10		.07		-.11		-.12	
MANIP. REPAIR RM.	PDD-21A "wc				-.15	-.14		-.14		-.12		-.11		-.16		-.14		-.15	
FILTER GALLERY	PDD-21B "wc				-.11	-.10		-.11		-.07		-.10		-.05		-.10		-.11	
CASK LOADING RM.	PDD-21C "wc				-.20	-.19		-.2		-.2		-.19		-.20		-.20		-.20	
CASK TRANSFER CELL	PDD-21D "wc				-.29	-.30		-.3		-.3		-.30		-.30		-.30		-.30	
WASTE HOIST OPER RM	PDD-21G "wc				-.03	-.01		.05		.07		-.01		.09		.04		-.04	
SERVICE ROOM	PDD-21H "wc	-0.00		-0.15	-.15	-.14		-.15		-.14		-.14		-.15		-.15		-.15	
RH BAY	PDD-21F "wc	0.02		0.7	.04	.05		.04		.05		.04	LD 6-27-14	0	0.06	.05		.04	
HOT CELL	PDT-52 "wc	-0.04		-1.1	-.65	-.64		-.3		-.3		-.30		-.33		-.30		-.65	
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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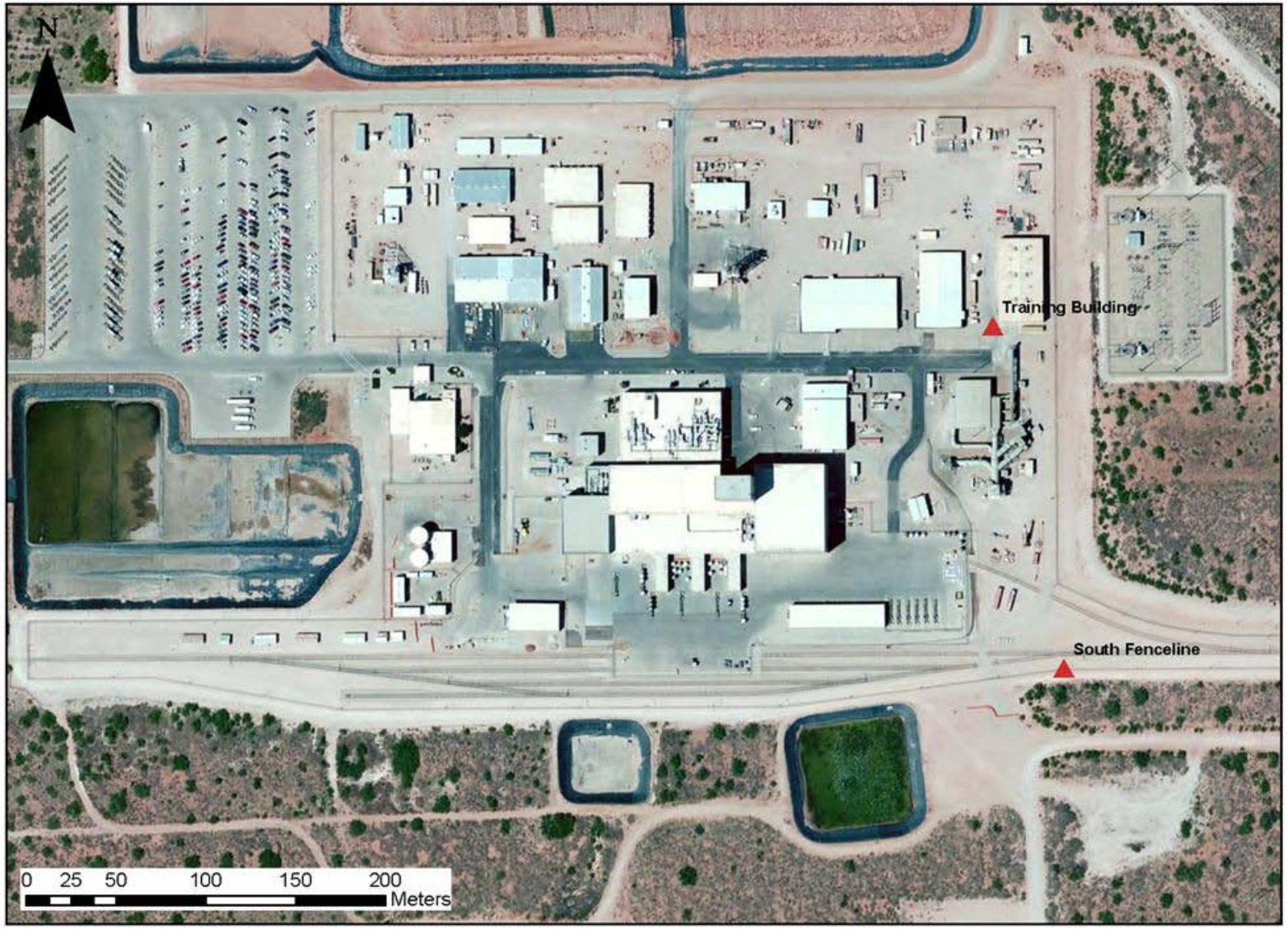
EA04AD3008-23-0
Rev. 2

March 19, 2013
Page 1 of 1

Attachment 4
Environmental Monitoring

- VOC Monitoring Meteorological 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	5/21/2014	5/29/2014	8986	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	5/21/2014	5/29/2014	8986	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Toluene	108-88-3	0.4	0.18 J
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Acetone	67-64-1		0.98 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Butane	106-97-8		3.22 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Dichlorodifluoromethane	75-71-8		0.46 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Isobutane	75-28-5		1.94 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Nonanal	124-19-6		2.28 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Octanal	124-13-0		0.74 NJ
CEMRC	5/21/2014	5/29/2014	8986	Training Building	Pentane	109-66-0		1.32 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	5/21/2014	5/29/2014	8988	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Toluene	108-88-3	0.4	0.24 J
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Chloroform	67-66-3	0.4	U

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	5/21/2014	5/29/2014	8988	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Acetone	67-64-1		0.7 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Butane	106-97-8		3.14 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Dichlorodifluoromethane	75-71-8		0.42 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Hexanal	66-25-1		0.46 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Isobutane	75-28-5		1.86 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Nonanal	124-19-6		3.44 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Octanal	124-13-0		0.64 NJ
CEMRC	5/21/2014	5/29/2014	8988	Training Building	Pentane	109-66-0		1.26 NJ
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Toluene	108-88-3	0.4	0.18 J
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Acetone	67-64-1		0.84 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	5/21/2014	5/29/2014	8987	Southeast Fenceline	Butane	106-97-8		3.26 NJ
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.46 NJ
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Isobutane	75-28-5		1.92 NJ
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Nonanal	124-19-6		0.62 NJ
CEMRC	5/21/2014	5/29/2014	8987	Southeast Fenceline	Pentane	109-66-0		1.32 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Toluene	108-88-3	0.4	0.22 J
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Acetone	67-64-1		0.68 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Butane	106-97-8		3.06 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.42 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Isobutane	75-28-5		1.76 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Nonanal	124-19-6		2.52 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Octanal	124-13-0		0.48 NJ
CEMRC	5/21/2014	5/29/2014	8989	Southeast Fenceline	Pentane	109-66-0		1.2 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Methylene Chloride	75-09-2	0.4	U

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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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	5/22/2014	5/29/2014	8990	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.14 J
CEMRC	5/22/2014	5/29/2014	8990	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Toluene	108-88-3	0.4	0.26 J
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Acetone	67-64-1		0.9 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Butane	106-97-8		1.94 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Dichlorodifluoromethane	75-71-8		0.44 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Isobutane	75-28-5		1.38 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Nonanal	124-19-6		4.74 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Octanal	124-13-0		1.32 NJ
CEMRC	5/22/2014	5/29/2014	8990	Training Building	Pentane	109-66-0		0.7 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Toluene	108-88-3	0.4	0.2 J
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U

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	5/22/2014	5/29/2014	8991	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Acetone	67-64-1		0.86 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Butane	106-97-8		1.94 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		0.64 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.46 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Isobutane	75-28-5		1.42 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Nonanal	124-19-6		3.38 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Octanal	124-13-0		1.08 NJ
CEMRC	5/22/2014	5/29/2014	8991	Southeast Fenceline	Pentane	109-66-0		0.72 NJ
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Methylene Chloride	75-09-2	0.4	0.32 J
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	5/28/2014	6/6/2014	8992	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Toluene	108-88-3	0.4	0.2 J
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Acetone	67-64-1		1.58 NJ
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Butane	106-97-8		5.6 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	5/28/2014	6/6/2014	8992	Training Building	Dichlorodifluoromethane	75-71-8		0.6 NJ
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Isobutane	75-28-5		3.66 NJ
CEMRC	5/28/2014	6/6/2014	8992	Training Building	Nonanal	124-19-6		4.86 NJ
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	0.34 J
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.2 J
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Toluene	108-88-3	0.4	0.14 J
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Acetone	67-64-1		1.18 NJ
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Butane	106-97-8		4.54 NJ
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.52 NJ
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Pentane	109-66-0		2.14 NJ
CEMRC	5/28/2014	6/6/2014	8993	Southeast Fenceline	Pentane, 2-methyl-	107-83-5		0.44 NJ
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Methylene Chloride	75-09-2	0.4	0.42
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.14 J
CEMRC	5/29/2014	6/6/2014	8994	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Chlorobenzene	108-90-7	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	5/29/2014	6/6/2014	8994	Training Building	Toluene	108-88-3	0.4	0.32 J
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Acetone	67-64-1		1.36 NJ
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Butane	106-97-8		6.16 NJ
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Dichlorodifluoromethane	75-71-8		0.62 NJ
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Isobutane	75-28-5		3.82 NJ
CEMRC	5/29/2014	6/6/2014	8994	Training Building	Pentane	109-66-0		2.76 NJ
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	0.48
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Toluene	108-88-3	0.4	0.26 J
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Acetone	67-64-1		1.06 NJ
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Butane	106-97-8		5.78 NJ

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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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	5/29/2014	6/6/2014	8995	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		0.54 NJ
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.54 NJ
CEMRC	5/29/2014	6/6/2014	8995	Southeast Fenceline	Isobutane	75-28-5		3.46 NJ
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	6/4/2014	6/6/2014	8996	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Toluene	108-88-3	0.4	0.1 J
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Acetone	67-64-1		1.32 NJ
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Butane	106-97-8		2.5 NJ
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Dichlorodifluoromethane	75-71-8		0.6 NJ
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Nonanal	124-19-6		5.16 NJ
CEMRC	6/4/2014	6/6/2014	8996	Training Building	Pentane	109-66-0		1.08 NJ
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Methylene Chloride	75-09-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
CEMRC	6/4/2014	6/6/2014	8997	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Toluene	108-88-3	0.4	0.22 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	6/4/2014	6/6/2014	8997	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Acetone	67-64-1		2.1 NJ
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Butane	106-97-8		2.76 NJ
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Dichlorodifluoromethane	75-71-8		0.6 NJ
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Isobutane	75-28-5		2.16 NJ
CEMRC	6/4/2014	6/6/2014	8997	Training Building	Nonanal	124-19-6		10.62 NJ
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Toluene	108-88-3	0.4	0.1 J
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Acetone	67-64-1		1.28 NJ
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Butane	106-97-8		2.36 NJ
CEMRC	6/4/2014	6/6/2014	8998	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.54 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	6/4/2014	6/6/2014	8998	Southeast Fenceline	Isobutane	75-28-5		1.72 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Toluene	108-88-3	0.4	0.2 J
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Acetone	67-64-1		1.5 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Butane	106-97-8		2.36 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.66 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Isobutane	75-28-5		1.84 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Nonanal	124-19-6		3.86 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Octanal	124-13-0		0.98 NJ
CEMRC	6/4/2014	6/6/2014	8999	Southeast Fenceline	Silanol, trimethyl-	1066-40-6		0.5 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Methylene Chloride	75-09-2	0.4	0.16 J
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.14 J
CEMRC	6/5/2014	6/6/2014	9000	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Toluene	108-88-3	0.4	0.36 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	6/5/2014	6/6/2014	9000	Training Building	Chloroform	67-66-3	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Trichloroethylene (1)	79-01-6	0.4	U
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Acetone	67-64-1		1.74 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Acetophenone	98-86-2		0.44 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Butane	106-97-8		3.14 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Cyclotetrasiloxane, octamethyl-	556-67-2		0.72 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Cyclotrisiloxane, hexamethyl-	541-05-9		1.82 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Dichlorodifluoromethane	75-71-8		0.6 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Isobutane	75-28-5		2.38 NJ
CEMRC	6/5/2014	6/6/2014	9000	Training Building	Nonanal	124-19-6		5.48 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Methylene Chloride	75-09-2	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Carbon Tetrachloride	56-23-5	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Chlorobenzene	108-90-7	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Toluene	108-88-3	0.4	0.26 J
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Chloroform	67-66-3	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Trichloroethylene (1)	79-01-6	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	6/5/2014	6/7/2014	9001	Southeast Fenceline	Acetone	67-64-1		1.38 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Acetophenone	98-86-2		0.46 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Cyclotetrasiloxane, octamethyl-	556-67-2		0.66 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Cyclotrisiloxane, hexamethyl-	541-05-9		1.52 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Dichlorodifluoromethane	75-71-8		0.54 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Isobutane	75-28-5		2.2 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Nonanal	124-19-6		4.9 NJ
CEMRC	6/5/2014	6/7/2014	9001	Southeast Fenceline	Silanol, trimethyl-	1066-40-6		0.92 NJ

Qualifiers:

J = Estimated value; below laboratory's method reporting limit (MRL), but above method detection limit (MDL).
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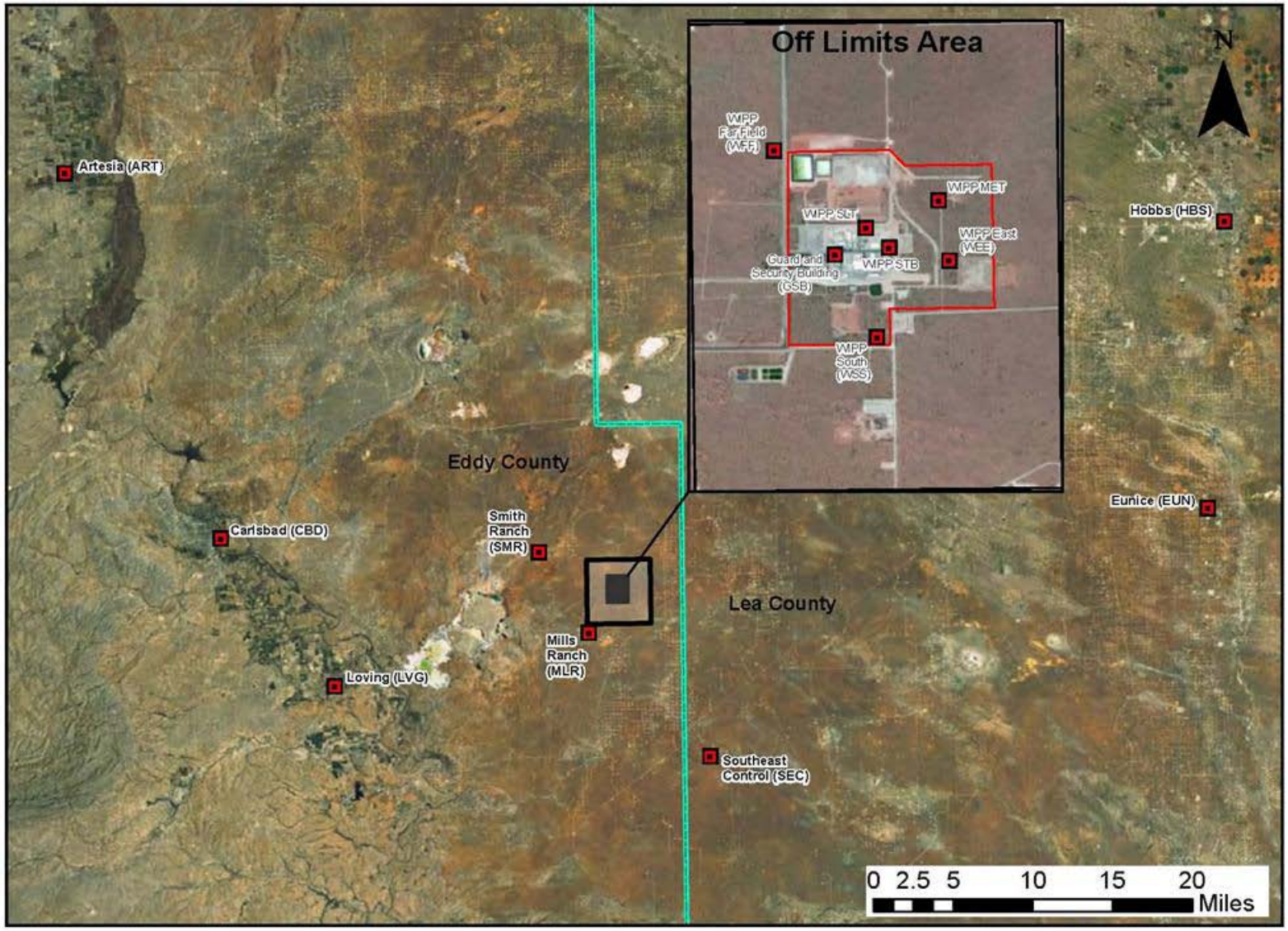
NJ = Presumptive evidence of the presence of the compound at an estimated quantity; only used for tentatively identified compounds (TICs).

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.



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 6/16/14 - 6/29/14

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
6/16/2014 0:15	68415	15	167	3.923	211.4	11.95	5.461	208.9	8.66	7.931	209.9	5.8	27.71	28.18	28.16	0.471	0.457	32.24	9.65	1.28	887	0
6/16/2014 0:30	68416	15	167	3.702	216.3	12.44	5.352	212.9	9.21	7.801	213.1	6.718	27.5	27.99	28.02	0.491	0.522	32.67	9.66	1.307	887	0
6/16/2014 0:45	68417	15	167	3.974	213.7	12.77	5.751	209.7	10.21	8.37	210.1	7.094	27.5	27.95	27.94	0.455	0.443	32.33	9.51	1.373	887	0
6/16/2014 1:00	68418	15	167	4.155	212.7	12.92	5.95	210.4	10.92	8.44	211.5	7.598	27.4	27.81	27.73	0.412	0.332	32.22	9.37	1.301	887	0
6/16/2014 1:15	68419	15	167	3.429	222	12	4.832	220	9.69	7.365	221.2	6.717	27.05	27.48	27.46	0.427	0.408	33.07	9.45	1.197	887	0
6/16/2014 1:30	68420	15	167	3.656	227.6	11.9	5.318	226.1	10.69	8.06	223.7	6.899	26.98	27.39	27.37	0.41	0.383	32.89	9.31	1.237	887	0
6/16/2014 1:45	68421	15	167	3.009	222	13.65	4.309	220.3	11.61	7.206	221.9	6.76	26.68	27.17	27.27	0.485	0.586	33.18	9.18	1.258	887	0
6/16/2014 2:00	68422	15	167	2.373	196.3	12.49	3.848	197.4	10.25	6.63	208.4	7.811	26.2	26.94	27.29	0.738	1.088	34.17	9.2	0.988	887	0
6/16/2014 2:15	68423	15	167	1.95	179.5	20.21	3.031	180.9	17.09	5.063	195.8	7.79	25.86	26.75	27.13	0.89	1.277	34.99	9.24	0.949	887	0
6/16/2014 2:30	68424	15	167	1.733	142.1	8.98	3.22	140.8	5.126	3.534	175.5	9.84	23.76	25.7	26.47	1.939	2.706	41.83	10.03	0.856	887	0
6/16/2014 2:45	68425	15	167	2.194	157	12.09	3.756	161.9	9.63	4.55	187.4	9.7	24.64	26.43	26.87	1.792	2.229	40.33	10.27	0.951	887	0
6/16/2014 3:00	68426	15	167	1.933	172.4	9.6	3.473	171.4	5.782	4.736	191.2	7.45	24.83	26.24	26.72	1.42	1.9	38.72	9.84	1.043	887	0
6/16/2014 3:15	68427	15	167	1.779	167.8	13.68	3.369	168.6	9.33	4.688	192.8	7.862	24.39	25.99	26.6	1.599	2.217	40.44	10.1	0.956	887	0
6/16/2014 3:30	68428	15	167	1.782	181.5	10.27	3.282	184.9	7.496	4.651	202.5	6.922	24.38	26.06	26.57	1.683	2.191	39.91	9.89	0.995	887	0
6/16/2014 3:45	68429	15	167	1.781	174.5	10.95	3.338	177.9	7.846	4.896	198.6	8.16	24.46	26.19	26.72	1.728	2.259	40.12	10.05	1.132	887	0
6/16/2014 4:00	68430	15	167	1.388	201	18.58	2.726	196.1	13.49	4.416	205.5	9.56	24.47	26.01	26.65	1.539	2.181	39.99	10.01	0.925	887	0
6/16/2014 4:15	68431	15	167	1.786	220.2	10.28	3.131	216.6	7.021	5.186	215.6	6.125	24.74	26.14	26.61	1.405	1.875	39.5	10.06	1.176	887	0
6/16/2014 4:30	68432	15	167	1.556	219	9.44	3.14	216.9	5.991	5.169	219.2	5.256	24.34	25.95	26.52	1.618	2.189	40.65	10.13	0.971	887	0
6/16/2014 4:45	68433	15	167	1.231	212.5	9.09	2.493	218.6	5.481	5.222	221.9	3.913	23.93	25.38	26.34	1.453	2.411	41.89	10.21	1.657	888	0
6/16/2014 5:00	68434	15	167	0.774	168.5	12.54	1.818	205.8	6.537	4.984	223.7	3.703	23.25	24.89	26.14	1.646	2.892	43.87	10.29	6.617	888	0
6/16/2014 5:15	68435	15	167	0.842	104.8	33	1.187	178.3	24.12	3.98	230.4	5.786	21.79	24.55	25.69	2.764	3.9	50.59	11.04	26.48	888	0
6/16/2014 5:30	68436	15	167	1.898	118.7	14.39	3.512	130.3	4.547	3.282	167	26.76	22.13	24.22	25.23	2.09	3.102	52.23	11.88	56.11	888	0
6/16/2014 5:45	68437	15	167	2.291	142.2	10.79	4.232	139	5.463	5.724	156.3	5.75	23.06	23.85	25.68	0.791	2.62	47.44	11.3	79.83	888	0
6/16/2014 6:00	68438	15	167	2.428	145.4	10.68	4.316	142.2	4.912	6.999	159	6.328	23.39	23.93	25.31	0.54	1.922	47.38	11.58	114.5	888	0
6/16/2014 6:15	68439	15	167	2.767	155.1	11.05	4.33	149.4	6.762	6.736	157	6.241	24.58	24.95	25.43	0.37	0.854	43.08	11.22	160	889	0
6/16/2014 6:30	68440	15	167	2.686	138.6	11.58	4.065	134.2	6.763	5.947	143.3	5.085	24.56	24.59	24.72	0.035	0.164	44.07	11.54	241	889	0
6/16/2014 6:45	68441	15	167	2.928	144.3	11.87	4.008	139.8	9.13	5.455	142.4	6.454	25.36	25.16	24.84	-0.191	-0.517	43.5	12.07	333.5	889	0
6/16/2014 7:00	68442	15	167	2.708	155.2	14.7	3.812	149.2	9.76	4.695	150.7	7.232	26.15	25.97	25.56	-0.183	-0.598	41.94	12.23	353.5	889	0
6/16/2014 7:15	68443	15	167	3.274	164.6	12.06	4.483	158.5	9.19	5.372	153.9	6.329	26.78	26.55	25.97	-0.24	-0.815	39.54	11.9	431.3	889	0
6/16/2014 7:30	68444	15	167	3.253	173.1	12.64	4.475	166.8	9.56	5.452	162.9	6.325	27.51	27.14	26.51	-0.372	-1.004	37.35	11.69	494.1	889	0
6/16/2014 7:45	68445	15	167	3.293	173.8	17.01	4.275	169.3	13.57	4.733	166.2	9.1	28.21	27.81	27.22	-0.409	-0.994	34.95	11.3	572.4	889	0
6/16/2014 8:00	68446	15	167	2.946	183.8	17.14	3.865	178.9	13.64	4.488	177.5	11.07	28.97	28.42	27.77	-0.546	-1.198	33.24	11.2	640.5	889	0
6/16/2014 8:15	68447	15	167	2.787	175.1	16.34	3.602	169.9	14.03	4.252	169	10.85	29.32	28.78	28.13	-0.54	-1.19	31.28	10.6	632.8	889	0
6/16/2014 8:30	68448	15	167	3.296	179.6	19.03	4.247	173.7	15.46	4.868	175.3	12.18	29.11	28.74	28.14	-0.363	-0.963	31.09	10.32	506.4	889	0
6/16/2014 8:45	68449	15	167	3.068	183.8	18.66	3.954	178.2	14.4	4.553	174.3	10.44	29.79	29.22	28.55	-0.574	-1.243	30.22	10.48	724.7	889	0
6/16/2014 9:00	68450	15	167	3.128	178.9	23.26	4.09	175.5	20.53	4.654	172.7	15.55	30.32	29.61	28.97	-0.713	-1.35	28.74	10.19	779.6	889	0
6/16/2014 9:15	68451	15	167	2.519	190.4	24.94	3.093	186.4	18.95	3.827	184.2	13.03	30.72	30.1	29.31	-0.614	-1.402	26.39	9.25	901	889	0
6/16/2014 9:30	68452	15	167	2.879	178.1	29.28	3.737	174.6	24.4	4.388	170.4	18.97	31.23	30.43	29.73	-0.8	-1.498	26.48	9.73	928	889	0
6/16/2014 9:45	68453	15	167	2.546	180.4	28.01	3.162	179.7	19.02	3.82	182.1	15.3	31.03	30.41	29.76	-0.625	-1.276	26.74	9.72	797.1	889	0
6/16/2014 10:00	68454	15	167	2.256	186.8	30.73	2.921	180.6	22.73	3.569	180.8	18.76	31.3	30.75	30.08	-0.552	-1.22	25.67	9.34	794.7	889	0
6/16/2014 10:15	68455	15	167	2.418	196.5	25.88	2.929	190.6	23.23	3.235	194.8	17.61	31.74	31.2	30.51	-0.543	-1.237	23.99	8.7	867	889	0
6/16/2014 10:30	68456	15	167	2.026	165.7	25.42	2.572	161	20.18	3.172	164.9	18.07	31.78	31.35	30.8	-0.433	-0.983	22.14	7.548	686	889	0
6/16/2014 10:45	68457	15	167	2.183	209.6	33.21	2.689	206.7	32.29	3.111	200.7	26.48	32.36	31.97	31.35	-0.393	-1.011	20.52	6.915	833	889	0
6/16/2014 11:00	68458	15	167	2.506	214.8	21.74	3.118	207.2	21.53	3.624	200.3	18.54	32.69	32.16	31.42	-0.526	-1.271	21.3	7.733	828	888	0
6/16/2014 11:15	68459	15	167	2.462	195.7	35.51	3.168	189.9	34.14	3.663	186.5	23.38	33.05	32.34	31.64	-0.711	-1.409	20.71	7.622	923	888	0
6/16/2014 11:30	68460	15	167	2.477	229.4	25.64	3.01	222.2	23.83	3.495	208.1	18.22	33.17	32.42	31.73	-0.758	-1.446	20.07	7.26	1294	888	0
6/16/2014 11:45	68461	15	167	2.674	200.4	45.63	3.267	192	45.91	3.793	187.2	22.69	33.89	33.04	32.22	-0.845	-1.668	19.49	7.408	1335	888	0
6/16/2014 12:00	68462	15	167	3.281	171.2	22.58	4.161	164.6	16.35	4.783	162.4	19.15	34.27	33.19	32.25	-1.084	-2.018	19.54	7.766	1324	888	0
6/16/2014 12:15	68463	15	167	3.532	171.2	26.46	4.613	167.1	23.82	5.313	165	20.41	34.65	33.34	32.34	-1.313	-2.308	19.25	7.855	1366	888	0
6/16/2014 12:30	68464	15	167	2.969	152.6	27.03	3.858	143.7	24.27	4.729	146.7	17.96	34.74	33.52	32.54	-1.222	-2.203	18.91	7.676	1183	888	0
6/16/2014 12:45	68465	15	167	3.88	176.1	21.54	4.885	170.9	17.53	5.494	168.5	12.69	34.7	33.55	32.54	-1.153	-2.169	18.46	7.29	1334	888	0
6/16/2014 13:00	68466	15	167	3.577	182.6	32.09	4.622	174.6	26.99	5.834	169.3	18.52	34.77	33.7	32.84	-1.07	-1.93	18.27	7.183	1288	887	0
6/16/2014 13:15	68467	15	167	3.541	172.4	23.64	4.587	168.3	22.05	5.624	164.4	15.97	35.25	34.02	32.99	-1.232	-2.268	17.27	6.75	1237	887	0
6/16/2014 13:30	68468	15	167	2.615	176.1	37.93	3.286	166	38.61	4.187	157.3	32.89	35.12	34.17	33.28	-0.948	-1.834	17	6.414	1210	887	0
6/16/2014 13:45	68469	15	167	2.991	197.2	47.97	3.769	179.8	32.84	4.686	177.2	23.87	35.11	34.21	33.44	-0.895	-1.672	16.23	5.734	1198	887	0
6/16/2014 14:00	68470	15	167	2.904	202.9	39.81	3.646	195.2	37.75	4.324	189	24.67	35.5	34.56	33.63	-0.941	-1.865	15.14	5.033	1167	887	0
6/16/2014 14:15	68471	15	167	3.149	172.8	35.32	4.078	169.2	32.4	4.889	163.6	28.43	35.77	34.78	33.93	-0.984	-1.839	14.43	4.568	1132	886	0
6/16/2014 14:30	68472	15	167	4.298	172.8	23.24	5.741	167.1	20.82	6.742	163.1	17.48	36.12	35.03	34.12	-1.091	-2.001	13.46	3.849	1091	886	0
6/16/2014 14:45	68473	15	167	4.622	172.5	19.49	6.135	168.6	16.07	7.234	169.2	13.16	36.3	35.25	34.31	-1.046	-1.985	12.74	3.206	1065	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/16/2014 15:00	68474	15	167	4.025	161.7	19.18	5.388	158	17.15	6.389	158.7	15.53	36.05	35.1	34.31	-0.957	-1.742	12.32	2.549	980	886	0
6/16/2014 15:15	68475	15	167	4.249	174.2	22.67	5.592	168.7	20.32	6.666	166.5	19.35	36.15	35.28	34.46	-0.866	-1.685	12.06	2.313	959	886	0
6/16/2014 15:30	68476	15	167	3.816	176.3	21.02	5.02	172.2	18.77	6.026	170.1	17.18	36.15	35.39	34.59	-0.765	-1.564	12.11	2.382	880	886	0
6/16/2014 15:45	68477	15	167	3.718	180.5	21.55	4.797	173.5	20.97	5.76	168.6	20.3	35.88	35.25	34.44	-0.634	-1.441	12.18	2.252	811	885	0
6/16/2014 16:00	68478	15	167	3.641	179.8	31.36	4.823	175.8	29.66	5.698	172.4	22.78	36.05	35.45	34.7	-0.603	-1.347	12.38	2.609	747.5	885	0
6/16/2014 16:15	68479	15	167	3.298	188.5	21.77	4.461	182.5	20.77	5.277	178.9	20.6	36.04	35.51	34.84	-0.533	-1.207	12.78	3.056	690.7	885	0
6/16/2014 16:30	68480	15	167	3.339	173.2	27.84	4.425	165.8	24.79	5.504	162.5	25.98	36.09	35.67	34.98	-0.422	-1.113	12.85	3.178	637.9	885	0
6/16/2014 16:45	68481	15	167	3.529	194.8	23.24	4.673	190.5	20.44	5.74	188.1	18.29	35.84	35.71	35.13	-0.131	-0.716	13.04	3.19	438.7	885	0
6/16/2014 17:00	68482	15	167	3.566	187.7	18.9	4.955	181.7	15.55	6.047	175.6	12.62	35.98	35.77	35.1	-0.205	-0.875	13.07	3.326	501.9	885	0
6/16/2014 17:15	68483	15	167	4.181	159.1	14.96	6.139	152.7	11.34	6.958	152	8.3	35.75	35.67	35.09	-0.081	-0.666	12.9	2.96	364.9	884	0
6/16/2014 17:30	68484	15	167	4.118	161.6	11.91	5.905	155.6	8.78	7.218	152.7	7.685	35.24	35.43	34.99	0.19	-0.248	13.03	2.71	167	884	0
6/16/2014 17:45	68485	15	167	4.472	167	14.14	6.432	161.6	10.34	8.31	160.5	6.864	35.04	35.31	34.9	0.265	-0.14	13.23	2.773	131.2	884	0
6/16/2014 18:00	68486	15	167	4.092	174.9	11.95	5.686	170.1	8.45	7.648	166.6	5.026	34.82	35.13	34.8	0.309	-0.02	13.18	2.538	96	884	0
6/16/2014 18:15	68487	15	167	3.943	164.1	12.48	5.803	158.9	10.08	7.314	157.2	8.85	34.55	34.95	34.62	0.402	0.071	14.29	3.361	74.88	884	0
6/16/2014 18:30	68488	15	167	6.066	148.5	12.9	8.92	143.4	8.19	11.53	139.4	5.574	32.6	32.77	32.31	0.168	-0.29	31.79	13.64	33.96	885	0
6/16/2014 18:45	68489	15	167	6.484	151.5	11.98	9.39	145	7.87	12.18	141.3	5.497	31.71	31.9	31.53	0.187	-0.181	36.14	14.88	25.38	885	0
6/16/2014 19:00	68490	15	167	6.464	151.7	11.97	9.31	146.6	8.07	12.27	142.6	5.453	31.02	31.22	30.88	0.197	-0.141	39	15.46	16.26	885	0
6/16/2014 19:15	68491	15	167	7.108	159.5	11.61	10.35	153	7.688	13.51	148.5	5.783	30.36	30.57	30.24	0.211	-0.121	41.36	15.79	4.863	885	0
6/16/2014 19:30	68492	15	167	6.626	157.6	12.23	9.52	152.6	8.39	12.37	149.1	6.096	29.59	29.78	29.45	0.187	-0.139	44.98	16.41	2.012	886	0
6/16/2014 19:45	68493	15	167	7.078	153	12.29	10.51	147.9	7.413	13.37	144.6	5.022	29.1	29.27	28.93	0.17	-0.171	47.37	16.78	1.884	886	0
6/16/2014 20:00	68494	15	167	7.086	157.2	11.51	10.26	151.9	7.235	12.94	148.2	5.786	28.63	28.8	28.46	0.171	-0.167	49.16	16.93	1.928	886	0
6/16/2014 20:15	68495	15	167	6.64	154.2	12.43	9.91	149.1	8.05	12.83	146.3	5.597	28.27	28.43	28.1	0.16	-0.168	50.17	16.93	1.859	886	0
6/16/2014 20:30	68496	15	167	6.384	155.9	12.07	9.35	149.8	8.24	12.22	146.4	5.924	28.03	28.19	27.87	0.165	-0.159	51.03	16.98	1.911	887	0
6/16/2014 20:45	68497	15	167	6.501	159.5	12.39	9.5	153	8.55	12.82	149.4	6.317	27.81	28	27.74	0.198	-0.07	50.12	16.49	1.873	887	0
6/16/2014 21:00	68498	15	167	6.429	159.2	11.92	9.23	153.6	7.991	11.97	151.6	5.905	27.58	27.82	27.57	0.24	-0.011	47.17	15.33	1.817	887	0
6/16/2014 21:15	68499	15	167	6.886	165	11.76	9.96	159.8	8.68	13.35	157.4	5.715	27.36	27.6	27.37	0.245	0.013	43.51	13.87	1.901	887	0
6/16/2014 21:30	68500	15	167	7.334	169.7	11.05	10.33	164	7.572	13.61	161.7	5.782	27.04	27.29	27.06	0.25	0.021	38.73	11.81	2.061	887	0
6/16/2014 21:45	68501	15	167	6.936	163.8	11.1	9.95	159.2	7.671	13.04	156.1	5.749	26.72	26.98	26.77	0.257	0.043	37.75	11.15	1.953	887	0
6/16/2014 22:00	68502	15	167	7.196	163.1	11.38	10.23	157.2	7.297	13.3	154.9	5.759	26.35	26.58	26.34	0.234	-0.002	37.99	10.91	1.988	887	0
6/16/2014 22:15	68503	15	167	6.045	165.7	11.7	8.67	159.9	8.09	11.7	155.7	6.141	25.98	26.25	26.04	0.266	0.058	38.56	10.81	1.761	887	0
6/16/2014 22:30	68504	15	167	6.868	160.7	11.03	10.05	155	7.917	13.65	153	5.32	25.79	26.06	25.88	0.264	0.088	38.28	10.53	2.044	887	0
6/16/2014 22:45	68505	15	167	6.959	161.4	11.16	9.84	157.1	7.506	12.95	153.3	4.94	25.6	25.86	25.67	0.253	0.07	38.12	10.3	1.836	887	0
6/16/2014 23:00	68506	15	167	6.351	160	11.05	8.93	155.7	7.536	12.11	152.4	5.283	25.32	25.59	25.41	0.261	0.083	38.78	10.31	1.9	887	0
6/16/2014 23:15	68507	15	167	6.098	160.7	10.99	8.76	155.6	7.273	11.8	152.2	5.295	25.09	25.36	25.19	0.269	0.104	39.34	10.31	1.912	887	0
6/16/2014 23:30	68508	15	167	5.031	168.6	11.34	7.257	163.9	8.35	10.12	159.2	5.833	24.87	25.14	25	0.276	0.13	40	10.37	1.795	887	0
6/16/2014 23:45	68509	15	167	5.05	163.2	12.13	7.211	157.1	8.59	10.36	153.8	6.01	24.56	24.83	24.7	0.267	0.139	41.01	10.47	1.51	887	0
6/17/2014 0:00	68510	15	168	5.487	161.8	11.44	8.09	156	7.733	11.18	153.3	5.228	24.45	24.72	24.6	0.266	0.148	41.85	10.67	1.771	887	0
6/17/2014 0:15	68511	15	168	4.887	162.9	10.16	7.015	155.8	7.816	10.08	152	4.913	24.28	24.58	24.49	0.296	0.211	42.42	10.72	1.538	887	0
6/17/2014 0:30	68512	15	168	4.66	163	11.71	6.788	157.6	8.97	10.14	153.9	5.259	24.07	24.38	24.39	0.309	0.314	42.99	10.73	1.708	887	0
6/17/2014 0:45	68513	15	168	4.833	162.4	10.7	6.98	157.6	7.402	9.74	156.1	4.637	24.08	24.44	24.55	0.359	0.475	42.86	10.69	1.527	887	0
6/17/2014 1:00	68514	15	168	4.396	159.3	9.8	6.58	154.8	6.363	9.22	155.7	4.447	24.13	24.54	24.65	0.41	0.523	41.92	10.41	1.748	887	0
6/17/2014 1:15	68515	15	168	4.218	157.9	10.24	6.403	152.7	6.389	9.46	153.2	3.623	23.81	24.23	24.49	0.418	0.683	42.5	10.33	1.745	887	0
6/17/2014 1:30	68516	15	168	3.663	154.8	11.51	5.668	150.6	7.002	8.6	150.8	3.917	23.52	23.99	24.24	0.476	0.729	42.86	10.19	1.455	887	0
6/17/2014 1:45	68517	15	168	3.716	158.2	10.85	5.727	151.7	7.246	9.03	149	3.979	23.4	23.84	24.07	0.439	0.668	42.76	10.05	1.495	887	0
6/17/2014 2:00	68518	15	168	4.033	155.6	11.18	6.267	150.3	7.038	9.59	152.3	5.724	23.51	23.95	24.36	0.436	0.85	41.82	9.81	1.629	887	0
6/17/2014 2:15	68519	15	168	3.841	161.3	11.47	5.699	154.2	7.978	8.92	155.2	5.108	23.83	24.29	24.55	0.459	0.725	40.27	9.54	1.533	887	0
6/17/2014 2:30	68520	15	168	4.04	154.9	11.51	6.163	150.1	6.851	9.39	151.4	4.352	23.68	24.13	24.39	0.451	0.708	40.38	9.44	1.469	887	0
6/17/2014 2:45	68521	15	168	3.717	157	10.12	5.707	150.5	6.647	9.02	152.5	3.656	23.6	24.08	24.47	0.476	0.871	40.2	9.31	1.569	887	0
6/17/2014 3:00	68522	15	168	3.348	153.6	10.28	5.287	148.1	6.239	8.47	151	3.606	23.33	23.84	24.3	0.508	0.972	41.05	9.38	1.389	887	0
6/17/2014 3:15	68523	15	168	3.191	155.7	10	5.119	149.1	6.307	8.35	150.8	3.458	23.02	23.55	24.06	0.531	1.043	42.82	9.73	1.27	887	0
6/17/2014 3:30	68524	15	168	3.283	155.2	11.34	5.161	148.5	6.752	8.32	149.9	3.385	22.63	23.08	23.55	0.452	0.919	45.36	10.23	1.263	887	0
6/17/2014 3:45	68525	15	168	2.993	156.6	11.09	4.809	150.1	7.437	8.28	152.1	4.22	22.41	22.92	23.59	0.517	1.185	46.39	10.37	1.468	887	0
6/17/2014 4:00	68526	15	168	3.096	156.5	9.89	4.799	151.8	6.388	7.896	155.3	3.996	22.58	23.15	23.67	0.564	1.082	45.42	10.21	1.548	887	0
6/17/2014 4:15	68527	15	168	2.686	156.9	10.29	4.413	150.2	6.964	7.453	152.3	4.283	22.6	23.21	23.73	0.614	1.133	45.23	10.16	1.34	887	0
6/17/2014 4:30	68528	15	168	2.899	154.5	11.66	4.55	147.2	7.708	7.668	147.3	4.514	22.61	23.16	23.7	0.556	1.096	44.97	10.08	1.644	887	0
6/17/2014 4:45	68529	15	168	2.73	151.6	12.91	4.498	143.6	7.811	7.771	144.7	5.184	22.41	23	23.65	0.587	1.238	45.59	10.11	2.298	887	0
6/17/2014 5:00	68530	15	168	2.524	151.6	11.81	4.204	146.1	7.516	7.231	148.3	4.748	22.35	22.96	23.59	0.613	1.24	45.99	10.18	8.96	888	0
6/17/2014 5:15	68531	15	168	2.572	146.6	11.45	4.175	141.8	6.762	7.124	147.2	4.521	22.26	22.87	23.62	0.605	1.355	46.86	10.38	30.08	888	0
6/17/2014 5:30	68532	15	168	2.582	152.6	10.76	4.197	147.4	6.534	6.847	152.4	4.614	22.54	23.08	23.68	0.539	1.142	46.93	10.66	67.37	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/17/2014 5:45	68533	15	168	2.203	152.4	11.87	3.658	145.7	7.641	6.324	150	4.464	22.81	23.25	23.59	0.44	0.777	46.99	10.93	98.4	888	0
6/17/2014 6:00	68534	15	168	2.075	149.7	12.98	3.352	144.7	8.68	5.602	149.4	5.627	23.3	23.49	23.56	0.188	0.259	46.9	11.35	167.5	888	0
6/17/2014 6:15	68535	15	168	2.613	162.7	12.55	3.65	156.7	9.16	5.114	155.9	6.138	24.22	24.23	23.91	0.013	-0.304	44.97	11.54	239.6	888	0
6/17/2014 6:30	68536	15	168	2.814	163.2	12.58	3.855	156.7	9.34	4.768	158.1	6.874	24.83	24.72	24.25	-0.115	-0.581	43.71	11.67	302.8	888	0
6/17/2014 6:45	68537	15	168	2.76	163.2	11.69	3.827	159.6	8.78	4.559	159.3	6.971	25.65	25.42	24.87	-0.234	-0.78	42.38	11.94	366.2	888	0
6/17/2014 7:00	68538	15	168	3.16	169.5	11.99	4.222	162.3	8.12	4.578	158.5	5.373	26.29	25.93	25.39	-0.357	-0.901	40.78	11.93	431.4	889	0
6/17/2014 7:15	68539	15	168	2.544	161.5	13.29	3.238	159	9.77	3.663	163.8	8.53	26.91	26.49	25.9	-0.416	-1.015	39.66	12.06	498.1	889	0
6/17/2014 7:30	68540	15	168	2.308	170.9	17.87	3.018	166.9	14.95	3.43	167.9	11.93	27.47	26.95	26.3	-0.522	-1.173	38.15	11.97	569	889	0
6/17/2014 7:45	68541	15	168	1.766	171.3	23.13	2.137	166.8	17.52	2.467	171.5	16.07	27.78	27.32	26.76	-0.459	-1.024	36.92	11.74	633.1	889	0
6/17/2014 8:00	68542	15	168	1.28	194.3	49.98	1.532	189.4	34.05	1.978	176.5	16.25	28.18	27.79	27.29	-0.392	-0.887	35.31	11.42	728.8	889	0
6/17/2014 8:15	68543	15	168	1.625	169.3	29.97	1.963	165.4	26.69	1.993	151.4	20.41	28.61	28.18	27.7	-0.437	-0.917	34.31	11.37	684.5	889	0
6/17/2014 8:30	68544	15	168	1.153	181	61.5	1.184	167.4	58.01	1.234	272.9	94.4	28.69	28.52	28.13	-0.176	-0.559	32.26	10.51	564.5	889	0
6/17/2014 8:45	68545	15	168	1.247	332.9	40.42	1.482	323.8	23.75	1.902	311.8	16.13	29.09	29.14	28.67	0.048	-0.424	30.71	10.12	508.4	889	0
6/17/2014 9:00	68546	15	168	1.48	307.7	23.65	1.641	309.8	17.28	1.666	308.7	14.79	29.66	29.49	29.01	-0.17	-0.65	29.68	10.11	733.2	888	0
6/17/2014 9:15	68547	15	168	1.252	270.5	54.76	1.38	268.6	47.14	1.742	278.7	22.84	30.15	29.98	29.46	-0.176	-0.695	28.24	9.78	965	888	0
6/17/2014 9:30	68548	15	168	1.44	300.8	52.32	1.67	295.5	43.23	1.903	304.6	39.17	30.77	30.58	30	-0.187	-0.77	26.96	9.61	1009	888	0
6/17/2014 9:45	68549	15	168	1.483	318.3	28.56	1.767	324.9	29.17	2.241	316.7	28.76	31.37	30.9	30.35	-0.47	-1.02	25.24	9.15	1046	888	0
6/17/2014 10:00	68550	15	168	1.892	329.2	26.66	2.241	333.1	21.53	2.384	327.3	17.76	31.81	31.29	30.65	-0.522	-1.165	24.06	8.8	1090	888	0
6/17/2014 10:15	68551	15	168	1.764	299.9	26.77	1.973	299.9	31.29	2.166	297.9	41.92	32.21	31.8	31.14	-0.407	-1.069	24.07	9.14	1119	888	0
6/17/2014 10:30	68552	15	168	1.066	322.5	76.58	1.17	341.3	72.32	1.548	337.7	59.87	32.24	32.03	31.48	-0.216	-0.763	22.6	8.23	1154	888	0
6/17/2014 10:45	68553	15	168	1.533	344	52.71	1.815	357.3	46.49	2.535	353.6	41.8	33.28	32.77	32.01	-0.508	-1.271	21.51	8.36	1181	888	0
6/17/2014 11:00	68554	15	168	1.326	302.6	78.8	1.437	316.5	72.31	1.735	341.1	57.22	33.46	33.01	32.31	-0.442	-1.146	20.96	8.13	1202	888	0
6/17/2014 11:15	68555	15	168	1.811	18.55	78.86	2.2	10.86	76.29	2.198	6.921	74.21	34.08	33.43	32.49	-0.653	-1.584	19.35	7.467	1220	888	0
6/17/2014 11:30	68556	15	168	1.688	339.5	54.11	2.034	339.8	50.75	1.916	315	57.39	34.16	33.47	32.91	-0.694	-1.254	18.74	7.067	1226	887	0
6/17/2014 11:45	68557	15	168	2.076	297.2	36	2.263	296.6	34.65	2.119	299.9	32.88	34.44	33.78	33.26	-0.657	-1.18	17.14	5.994	1236	887	0
6/17/2014 12:00	68558	15	168	1.882	308.8	74.61	2.243	306.1	65.15	2.286	290.7	56.82	34.75	34.26	33.56	-0.487	-1.188	16.11	5.343	1241	887	0
6/17/2014 12:15	68559	15	168	1.892	346.7	76.78	2.134	344.2	77.21	2.322	20.23	47.03	35.13	34.44	33.72	-0.693	-1.411	14.23	3.844	1247	887	0
6/17/2014 12:30	68560	15	168	1.571	85.5	92.7	1.719	64.34	89.8	1.626	11.45	69.92	35.27	34.64	33.97	-0.627	-1.295	13.56	3.291	1249	887	0
6/17/2014 12:45	68561	15	168	1.809	51.08	46.53	2.098	48.43	34.39	2.415	47.73	26.14	35.51	34.87	34.14	-0.647	-1.374	12.73	2.597	1242	887	0
6/17/2014 13:00	68562	15	168	1.867	31.47	50.29	2.322	21.85	38.48	2.936	2.311	22.28	35.79	34.88	34.22	-0.916	-1.573	12.78	2.862	1240	886	0
6/17/2014 13:15	68563	15	168	1.619	36.93	44.31	2.058	29.65	29.32	2.223	21.15	37.77	35.94	35.23	34.49	-0.718	-1.45	12.38	2.537	1247	886	0
6/17/2014 13:30	68564	15	168	2.379	62.67	37.3	2.88	58.44	35.13	3.374	48.78	24.87	36.34	35.32	34.6	-1.02	-1.741	12.05	2.463	1246	886	0
6/17/2014 13:45	68565	15	168	2.061	13.3	36.86	2.838	12.12	31.69	3.421	10.37	23.85	36.68	35.79	34.95	-0.899	-1.732	11.99	2.65	1237	886	0
6/17/2014 14:00	68566	15	168	1.689	289.1	61.52	2.085	294	64.95	2.107	290.8	54.17	36.28	35.75	35.16	-0.524	-1.114	12.46	2.875	870	886	0
6/17/2014 14:15	68567	15	168	3.014	250.8	28.35	3.827	248.8	26.37	4.305	242.9	23.49	37.11	36.17	35.21	-0.934	-1.894	12.42	3.474	1016	885	0
6/17/2014 14:30	68568	15	168	2.669	258.6	38.78	3.21	252.8	33.32	3.579	240.6	25.02	36.44	35.82	35.08	-0.619	-1.356	12.14	2.634	831	885	0
6/17/2014 14:45	68569	15	168	2.162	240.8	61.66	2.56	237	52.73	2.916	240.9	46.63	36.56	36.02	35.46	-0.532	-1.101	12.02	2.587	1092	885	0
6/17/2014 15:00	68570	15	168	2.358	237.5	36.58	2.975	233.6	33.54	3.55	230.9	19.45	36.53	35.97	35.32	-0.557	-1.216	11.95	2.488	788.5	885	0
6/17/2014 15:15	68571	15	168	2.015	129.9	47.69	2.531	134.5	36.6	2.809	144.7	24.05	36.4	35.97	35.19	-0.432	-1.217	12.05	2.505	655.1	885	0
6/17/2014 15:30	68572	15	168	1.207	125.3	31.67	1.43	123.7	27.34	1.57	120.3	32.24	35.9	35.74	35.26	-0.158	-0.64	12.65	2.8	400.5	885	0
6/17/2014 15:45	68573	15	168	2.589	140.7	28.68	3.495	133.7	18.74	4.031	131.9	16.93	35.95	35.71	35.16	-0.237	-0.787	13.11	3.346	358.8	885	0
6/17/2014 16:00	68574	15	168	2.99	154.8	15.98	4.343	148.5	14.74	5.013	144.2	15.52	35.65	35.61	35.07	-0.038	-0.571	14.14	4.127	231.7	885	0
6/17/2014 16:15	68575	15	168	3.438	106.9	30.35	4.763	103.6	31.86	5.273	99.9	29.89	33.65	34.47	34.21	0.815	0.555	20.07	7.436	235.9	885	0
6/17/2014 16:30	68576	15	168	2.241	71.19	14.67	3.067	65.49	10.3	3.393	58.7	9.34	34.5	34.83	34.49	0.33	-0.006	16.01	5.057	184.5	885	0
6/17/2014 16:45	68577	15	168	1.063	117.2	30.01	1.38	111.7	32.71	1.796	116.7	43.36	34.72	35.05	34.71	0.331	-0.01	16.54	5.688	202.6	885	0
6/17/2014 17:00	68578	15	168	2.59	176.4	18.74	3.716	175.6	15.37	4.659	176.2	11.8	35.2	35.44	35	0.238	-0.205	15.17	4.843	252.1	884	0
6/17/2014 17:15	68579	15	168	4.006	198.7	21.95	5.697	194.1	19.77	7.309	192.9	15.48	35.13	35.24	34.73	0.105	-0.404	14.72	4.353	334.6	884	0
6/17/2014 17:30	68580	15	168	2.738	193.7	16.3	3.938	188.8	14.22	5.05	187.1	11.9	34.49	34.96	34.64	0.472	0.151	15.02	4.139	110	884	0
6/17/2014 17:45	68581	15	168	1.705	172.9	19.23	2.94	171.9	16.96	3.827	170.4	12.17	33.8	34.78	34.69	0.979	0.895	16.13	4.596	93.1	884	0
6/17/2014 18:00	68582	15	168	1.379	163.8	9.88	2.667	164	5.406	3.537	164.9	5.096	33.31	34.74	34.74	1.438	1.429	17.38	5.283	90.6	884	0
6/17/2014 18:15	68583	15	168	1.105	153.6	6.583	2.625	163.2	3.717	3.527	169.3	4.395	32.63	34.54	34.72	1.911	2.091	19.55	6.431	88.7	884	0
6/17/2014 18:30	68584	15	168	1.003	142.1	7.97	2.509	161.6	3.231	3.185	168.6	3.442	31.93	34.52	34.66	2.59	2.737	22.75	8.07	70.92	884	0
6/17/2014 18:45	68585	15	168	5.135	159.7	11.09	7.75	157.4	8.47	9.97	156.8	8.86	30.88	31.94	31.68	1.063	0.807	28.22	10.31	53.93	885	0
6/17/2014 19:00	68586	15	168	6.65	154.7	11.64	9.66	149.4	7.823	12.38	146.7	4.926	29.46	29.63	29.27	0.171	-0.193	33.18	11.61	11.67	885	0
6/17/2014 19:15	68587	15	168	5.392	160.4	10.36	7.683	155.3	7.705	10.45	152	5.384	28.82	29.08	28.83	0.255	0.009	32.59	10.78	3.91	885	0
6/17/2014 19:30	68588	15	168	5.162	161.6	12.23	7.496	156.6	8.15	10.18	153.8	6.352	28.57	28.88	28.71	0.312	0.134	32.59	10.56	2.012	885	0
6/17/2014 19:45	68589	15	168	4.06	149.7	12.42	6.248	145.3	7.609	8.9	143.9	6.141	28.22	28.59	28.49	0.373	0.273	33.77	10.79	1.429	885	0
6/17/2014 20:00	68590	15	168	3.844	146.1	12.26	5.829	140.4	8.2	8.59	137.9	5.583	27.78	28.16	28.07	0.383	0.294	36.31	11.49	1.612	886	0
6/17/2014 20:15	68591	15	168	4.016	134.3	13.84	6.077	130.5	9.99	9.13	130.7	7.577	27.28	27.62	27.55	0.336	0.265	40.34	12.65	1.484	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/17/2014 20:30	68592	15	168	4.685	132	13.7	7.075	127	8.72	9.84	126.1	6.419	27.66	27.89	27.81	0.237	0.155	40.99	13.23	1.561	886	0
6/17/2014 20:45	68593	15	168	5.806	124.1	15	8.7	118.7	11.19	11.85	115.8	10.64	27.99	28.15	27.88	0.16	-0.111	40.62	13.39	1.701	887	0
6/17/2014 21:00	68594	15	168	7.09	110.4	11.47	9.99	107.2	7.637	13.07	104.7	4.794	26.85	26.89	26.46	0.045	-0.381	49.36	15.36	1.78	887	0
6/17/2014 21:15	68595	15	168	5.622	110.9	11.69	8.13	106.6	7.277	10.86	103.1	4.935	25.89	25.91	25.54	0.022	-0.348	53.42	15.72	1.689	887	0
6/17/2014 21:30	68596	15	168	5.895	111.6	12.07	8.36	108.1	7.69	11.13	104.7	4.849	25.39	25.39	25.05	0.006	-0.337	54.85	15.67	1.649	887	0
6/17/2014 21:45	68597	15	168	5.66	122.2	11.04	8.28	118.2	7.469	11.22	114.6	5.422	25.36	25.39	25.1	0.029	-0.268	55.66	15.88	1.592	887	0
6/17/2014 22:00	68598	15	168	5.481	126.1	12.29	8.05	120.8	7.393	10.91	117.8	5.035	25.73	25.8	25.56	0.064	-0.175	55.94	16.3	1.557	887	0
6/17/2014 22:15	68599	15	168	4.883	130.6	12.63	7.023	124	8.75	9.32	121.9	7.092	26.04	26.11	25.77	0.068	-0.271	56.24	16.67	1.559	888	0
6/17/2014 22:30	68600	15	168	6.068	125.8	13.25	8.95	122.3	8.27	11.72	119.7	6.6	26.21	26.28	25.95	0.07	-0.262	56.68	16.95	1.839	888	0
6/17/2014 22:45	68601	15	168	6.103	136.7	12.8	8.75	131.3	8.71	11.95	126.9	6.82	25.91	25.98	25.66	0.071	-0.253	58.67	17.21	1.737	888	0
6/17/2014 23:00	68602	15	168	5.421	150.9	12.42	7.821	145.6	8.19	10.68	143.2	6.41	25.69	25.75	25.51	0.061	-0.187	60.84	17.58	1.588	888	0
6/17/2014 23:15	68603	15	168	5.327	150.5	12.03	7.784	144.9	8.62	10.25	143.4	6.884	25.66	25.72	25.37	0.065	-0.288	60.45	17.45	1.635	888	0
6/17/2014 23:30	68604	15	168	5.153	140.8	12.36	7.565	136.8	9.22	10.09	134.8	6.593	25.26	25.32	24.98	0.055	-0.284	62.59	17.63	1.526	888	0
6/17/2014 23:45	68605	15	168	5.377	145.1	14.31	7.849	140	10.37	10.48	137.9	7.899	25.3	25.35	25.01	0.045	-0.293	62.39	17.62	1.641	888	0
6/18/2014 0:00	68606	15	169	5.908	156	12.1	8.57	149.1	8.28	10.97	145.5	5.582	25.14	25.17	24.8	0.031	-0.334	62.99	17.61	1.623	888	0
6/18/2014 0:15	68607	15	169	6.54	146.9	12.14	9.87	142	7.913	13.24	140.2	5.764	24.94	25.06	24.77	0.124	-0.164	64.78	17.87	1.949	888	0
6/18/2014 0:30	68608	15	169	6.223	142.9	12.49	9.33	137.1	8.28	12.52	133.2	5.973	24.63	24.67	24.35	0.039	-0.275	67.44	18.22	1.625	888	0
6/18/2014 0:45	68609	15	169	6.006	137.8	11.82	8.47	133.7	7.727	11.43	132.4	5.865	24.43	24.45	24.11	0.016	-0.321	68.76	18.34	1.595	888	0
6/18/2014 1:00	68610	15	169	5.674	134.8	13.78	8.15	129.7	9.73	11.28	127.2	7.155	24.04	24.18	23.93	0.141	-0.115	71	18.47	1.714	888	0
6/18/2014 1:15	68611	15	169	5.012	124.9	11.91	7.383	119.8	7.121	10.3	117.4	4.793	23.86	23.96	23.69	0.096	-0.173	72.25	18.58	1.608	888	0
6/18/2014 1:30	68612	15	169	5.57	125.4	12.5	8.21	119.9	7.426	11.15	117	5.614	23.73	23.82	23.55	0.09	-0.186	72.2	18.45	1.907	887	0
6/18/2014 1:45	68613	15	169	4.758	133.5	11.17	6.893	127.9	7.144	9.06	124.5	5.051	23.56	23.65	23.34	0.085	-0.226	72.28	18.3	1.234	887	0
6/18/2014 2:00	68614	15	169	4.415	129.6	12.62	6.272	125.3	8.67	8.92	123.3	6.072	23.4	23.49	23.23	0.083	-0.175	72.87	18.28	1.51	887	0
6/18/2014 2:15	68615	15	169	4.333	136	12.35	6.229	131.7	8.12	8.89	127.7	5.505	23.25	23.35	23.08	0.098	-0.171	73.67	18.3	1.492	887	0
6/18/2014 2:30	68616	15	169	4.42	136.3	12.44	6.435	130.5	7.656	8.71	127.2	5.327	23.2	23.29	22.99	0.085	-0.208	73.7	18.26	1.357	887	0
6/18/2014 2:45	68617	15	169	4.176	139.7	11.95	6.062	135	7.885	8.3	133.1	5.46	23.13	23.23	22.98	0.107	-0.146	73.28	18.1	1.303	887	0
6/18/2014 3:00	68618	15	169	3.891	140.4	12.28	5.726	136.6	8.39	8.31	135.3	6.218	23.12	23.27	23.13	0.147	0.006	72.17	17.85	1.386	887	0
6/18/2014 3:15	68619	15	169	3.582	145.3	11.97	5.39	140	7.203	7.729	139.3	4.979	23.21	23.41	23.32	0.194	0.106	70.54	17.58	1.446	887	0
6/18/2014 3:30	68620	15	169	2.413	135.5	12.71	3.629	130.1	8.23	5.774	131.3	5.688	22.97	23.19	23.08	0.222	0.11	71.19	17.49	1.047	887	0
6/18/2014 3:45	68621	15	169	3.389	140.3	12.67	4.951	134.6	7.885	7.355	130.4	5.038	22.82	22.98	22.82	0.158	-0.003	72.82	17.7	1.1	887	0
6/18/2014 4:00	68622	15	169	2.94	136.8	11.73	4.476	130.2	7.54	6.5	128.7	5.289	22.62	22.78	22.59	0.166	-0.027	74.67	17.91	1.159	887	0
6/18/2014 4:15	68623	15	169	2.63	151.8	14	3.904	143.9	10.65	6.153	139	6.704	22.52	22.66	22.5	0.139	-0.018	75.29	17.94	1.094	887	0
6/18/2014 4:30	68624	15	169	2.4	159.5	11.61	3.728	152.3	8.04	5.699	148.3	4.969	22.5	22.65	22.47	0.151	-0.027	75.22	17.91	1.053	888	0
6/18/2014 4:45	68625	15	169	1.655	156.1	14.66	2.586	148.7	9.07	4.157	143.5	7.037	22.3	22.53	22.33	0.234	0.03	75.91	17.86	1.439	888	0
6/18/2014 5:00	68626	15	169	1.492	171.3	17.71	2.488	163.2	11.2	3.788	154.2	6.464	21.76	22.33	22.23	0.566	0.465	78	17.77	4.808	888	0
6/18/2014 5:15	68627	15	169	1.89	132.7	13.86	3.422	130	9.45	5.751	131.1	7.325	21.3	21.91	22.07	0.604	0.771	80.7	17.87	12.09	888	0
6/18/2014 5:30	68628	15	169	2.343	125.3	12.34	3.623	121.1	8.51	6.406	123.4	4.092	21.51	21.74	21.82	0.234	0.311	80.3	18	32.3	888	0
6/18/2014 5:45	68629	15	169	2.606	132.7	11.97	3.845	125.8	7.124	6.12	126.5	3.784	21.93	21.93	21.77	0.006	-0.156	78.93	18.12	96.6	888	0
6/18/2014 6:00	68630	15	169	2.982	138.9	12.34	4.376	133.2	8.05	6.185	131.4	4.857	22.35	22.27	21.9	-0.072	-0.443	76.63	18.06	103.1	888	0
6/18/2014 6:15	68631	15	169	3.123	154.3	12	4.429	146.9	7.923	5.484	144.1	6.348	22.9	22.66	22.25	-0.236	-0.648	74.8	18.2	194.2	888	0
6/18/2014 6:30	68632	15	169	3.146	154.7	12.81	4.561	148.2	8.26	5.504	144.8	5.132	23.36	23.08	22.59	-0.275	-0.77	71.74	17.98	205.6	888	0
6/18/2014 6:45	68633	15	169	3.352	161	11.83	4.597	154.7	7.867	5.531	151.2	5.221	23.98	23.67	23.13	-0.309	-0.849	68.64	17.87	269.1	888	0
6/18/2014 7:00	68634	15	169	3.82	162.4	11.89	5.299	156.9	7.335	5.968	153.6	5.231	24.42	23.77	23.13	-0.654	-1.286	66.99	17.91	438.3	888	0
6/18/2014 7:15	68635	15	169	3.493	157.3	14.29	4.849	152.4	9.62	5.671	150.6	6.383	24.93	24.25	23.56	-0.68	-1.364	64.84	17.87	486.2	888	0
6/18/2014 7:30	68636	15	169	3.368	159.5	14.16	4.523	153.7	11.31	5.35	150.7	7.039	25.41	24.58	23.82	-0.837	-1.592	62.48	17.74	548.5	888	0
6/18/2014 7:45	68637	15	169	3.557	174.1	15.74	4.592	170	11.79	5.189	168.1	8.64	25.84	25.03	24.33	-0.816	-1.517	59.33	17.33	607.3	888	0
6/18/2014 8:00	68638	15	169	2.572	206.1	20.24	3.195	199.5	17.01	3.963	194	16.37	26.46	25.66	24.89	-0.795	-1.571	54.9	16.67	671.2	888	0
6/18/2014 8:15	68639	15	169	2.78	196.9	19.52	3.473	190.7	15.06	4.142	188.6	11.97	26.96	26.02	25.22	-0.943	-1.743	53.59	16.76	743.5	888	0
6/18/2014 8:30	68640	15	169	2.661	209.7	20.32	3.279	204.9	18.63	3.868	198.4	12.96	27.58	26.63	25.89	-0.954	-1.699	51.2	16.61	874	888	0
6/18/2014 8:45	68641	15	169	3.071	202.3	21.82	3.714	200.7	19.91	4.255	199.9	11.43	28.56	27.55	26.77	-1.008	-1.794	45.59	15.69	975	888	0
6/18/2014 9:00	68642	15	169	2.896	216.7	18.57	3.559	214.6	15.39	4.052	219.8	14.21	29.34	28.32	27.54	-1.024	-1.803	41.21	14.82	1025	888	0
6/18/2014 9:15	68643	15	169	2.654	230	20.8	3.4	228.3	18.3	3.989	227.6	15.35	29.64	28.82	28.09	-0.821	-1.551	39.87	14.57	827	888	0
6/18/2014 9:30	68644	15	169	2.939	245.3	23.07	3.626	241.2	20.68	4.012	240.9	17.1	30.52	29.54	28.75	-0.985	-1.773	33.16	12.52	1158	888	0
6/18/2014 9:45	68645	15	169	2.174	242.8	26.97	3.02	236.6	23.69	3.603	238.6	17.32	30.93	30.03	29.38	-0.899	-1.557	32.19	12.42	965	888	0
6/18/2014 10:00	68646	15	169	2.161	269.2	27.16	2.873	266.9	23.58	3.327	261.1	19.18	31.69	30.76	30.13	-0.931	-1.567	27.26	10.54	1101	887	0
6/18/2014 10:15	68647	15	169	2.882	258.4	18.27	3.878	255.6	15.82	4.494	255.1	12.56	31.97	31.06	30.3	-0.907	-1.669	25.16	9.6	912	887	0
6/18/2014 10:30	68648	15	169	2.975	245	16.42	3.91	244.4	13.56	4.544	240.1	12.71	32.39	31.44	30.67	-0.949	-1.721	24.16	9.33	1033	887	0
6/18/2014 10:45	68649	15	169	2.946	261.1	22.05	3.907	259.2	18.06	4.694	254.9	13.99	33.06	32.01	31.14	-1.043	-1.914	22.57	8.9	1166	887	0
6/18/2014 11:00	68650	15	169	2.618	279.3	30.21	3.138	275.1	27.28	3.942	275.7	17.2	33.17	32.34	31.47	-0.824	-1.697	22.35	8.84	1180	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/18/2014 11:15	68651	15	169	3.041	279.5	33.3	3.712	276.7	32.92	4.027	273.4	29.38	33.8	32.79	31.85	-1.007	-1.952	21.87	9.04	1187	887	0
6/18/2014 11:30	68652	15	169	2.285	265.8	41.39	2.868	259.4	35.05	3.274	255.2	26.15	33.8	33.02	32.3	-0.771	-1.493	21.26	8.62	1208	887	0
6/18/2014 11:45	68653	15	169	3.089	231.6	26.51	3.861	226.9	24.59	4.555	226.5	16.74	34.33	33.28	32.26	-1.057	-2.075	20.48	8.51	1233	887	0
6/18/2014 12:00	68654	15	169	1.781	281.1	57.06	2.095	266.3	45.47	2.217	262.3	33.5	34.07	33.47	32.8	-0.601	-1.271	20.26	8.13	1271	887	0
6/18/2014 12:15	68655	15	169	2.964	241.9	32.49	3.876	238.5	30.44	4.57	235.5	27.35	35.19	34.09	33.14	-1.1	-2.044	19.23	8.28	1363	886	0
6/18/2014 12:30	68656	15	169	3.681	249.8	41.97	4.478	251.3	33.72	5.226	251.5	24.91	35.4	34.21	33.22	-1.192	-2.177	18.56	7.932	1253	886	0
6/18/2014 12:45	68657	15	169	2.088	282.5	50.7	2.488	290.4	37.02	2.997	286.6	34.92	34.89	34.12	33.4	-0.765	-1.491	18.5	7.463	1246	886	0
6/18/2014 13:00	68658	15	169	4.126	225.7	20.39	5.153	225.5	19.42	6.091	226.6	16.12	35.71	34.49	33.7	-1.218	-2.016	16.47	6.425	1196	886	0
6/18/2014 13:15	68659	15	169	2.056	229.5	51.9	2.52	225.3	48.73	3.135	219.4	36.59	35.07	34.37	33.57	-0.707	-1.507	16.66	6.092	756	885	0
6/18/2014 13:30	68660	15	169	2.799	215.9	24.87	4.01	207.5	21.08	5.141	196	17.36	34.17	33.86	33.3	-0.314	-0.873	21.45	8.95	426	885	0
6/18/2014 13:45	68661	15	169	2.968	285.7	31.43	3.688	285	29.97	3.988	277.8	24.3	34.53	34.09	33.42	-0.441	-1.106	18.43	7.102	629.8	885	0
6/18/2014 14:00	68662	15	169	2.722	272.3	31.62	3.405	267.2	32.62	4.034	261	26.04	34.45	34.05	33.46	-0.402	-0.996	17.66	6.435	289.9	885	0
6/18/2014 14:15	68663	15	169	5.01	237.8	65.5	6.815	238	63.87	7.67	232.4	62.76	30.93	30.94	31.41	0.007	0.48	26.94	8.86	208.8	886	5.08
6/18/2014 14:30	68664	15	169	3.829	66.55	26	5.849	65.08	18.26	6.367	71.28	15.81	28.23	29.86	30.78	1.631	2.551	41.81	13.99	789.9	886	0.254
6/18/2014 14:45	68665	15	169	1.531	51.07	28.94	1.961	52.23	25.76	2.047	75.08	19.95	31.78	31.85	31.82	0.077	0.049	38.07	15.64	1042	885	0
6/18/2014 15:00	68666	15	169	1.75	61.04	23.61	2.315	56.11	15.76	2.405	65.84	10.17	32.48	32.18	31.86	-0.3	-0.62	35.96	15.39	995	885	0
6/18/2014 15:15	68667	15	169	1.289	83.3	23.15	1.616	79.55	17.92	1.661	73.24	22.53	32.97	32.96	32.54	-0.011	-0.433	28.34	12.19	449.9	885	0
6/18/2014 15:30	68668	15	169	0.893	102.6	47.66	1.079	98.9	34.58	1.109	103.6	35.82	33.08	33.17	32.83	0.091	-0.251	26.57	11.29	424.5	885	0
6/18/2014 15:45	68669	15	169	2.962	194	47.31	3.943	189.5	46.77	4.92	199.7	43.53	33.45	33.69	33.39	0.247	-0.056	26	11.3	448.7	884	0
6/18/2014 16:00	68670	15	169	2.232	214.7	15.05	3.25	212.9	11.65	4.151	215.3	9.43	33.14	33.6	33.51	0.465	0.378	27.5	11.87	432.8	884	0
6/18/2014 16:15	68671	15	169	2.031	321.9	68.93	2.514	298.8	67.27	2.998	286.9	58.88	33.22	33.44	33.07	0.217	-0.153	24.36	10.05	657.6	884	0
6/18/2014 16:30	68672	15	169	4.328	178.3	27.19	6.158	175.5	26.28	8	174.6	21.21	32.4	32.91	32.73	0.51	0.329	25.57	10.18	310.9	884	0
6/18/2014 16:45	68673	15	169	4.12	181.2	13.07	6.042	174.7	10.64	7.522	169.7	7.42	32.26	32.65	32.43	0.384	0.17	26.66	10.71	330.9	884	0
6/18/2014 17:00	68674	15	169	3.6	174.5	11.75	5.164	171.4	8.93	6.293	170.6	6.775	31.9	32.46	32.32	0.565	0.421	26.86	10.51	252.4	884	0
6/18/2014 17:15	68675	15	169	3.266	183.5	12.98	4.736	179.3	8.7	6.13	175.5	6.189	32.36	32.8	32.61	0.436	0.249	26.2	10.53	292	884	0
6/18/2014 17:30	68676	15	169	3.229	187.7	12.51	4.725	182	10.45	5.954	177.8	8.18	32.86	33.18	32.9	0.319	0.04	24.68	10.05	359.2	884	0
6/18/2014 17:45	68677	15	169	3.05	183.6	15.32	4.598	180.2	12.68	5.698	178.6	9.47	32.93	33.41	33.21	0.48	0.277	24.07	9.74	291.2	884	0
6/18/2014 18:00	68678	15	169	2.699	192	10.27	4.162	187.5	7.841	5.556	181.7	5.165	32.73	33.35	33.32	0.619	0.588	24.45	9.81	224.3	884	0
6/18/2014 18:15	68679	15	169	2.157	187.5	11.29	3.459	181.5	8.02	4.758	177.3	5.444	32.43	33.35	33.43	0.914	1.003	25.05	9.92	167.6	884	0
6/18/2014 18:30	68680	15	169	2.156	180.1	9.99	3.786	178.3	6.304	5.628	177.2	3.641	31.6	32.98	33.39	1.38	1.788	26.47	10.05	66.68	884	0
6/18/2014 18:45	68681	15	169	2.654	157.3	24.47	4.628	158.8	20.21	6.438	162	18.36	30.53	32.22	32.81	1.693	2.279	31.22	11.54	70.72	884	0
6/18/2014 19:00	68682	15	169	6.877	152.1	13.32	10.13	146.6	9.05	13.29	142.3	5.661	28.85	29.19	28.99	0.336	0.132	46.17	16.15	27.9	885	0
6/18/2014 19:15	68683	15	169	6.894	147.2	11.78	10.33	142.1	7.66	13.52	137.9	4.863	28.05	28.38	28.21	0.329	0.164	50.15	16.72	5.236	885	0
6/18/2014 19:30	68684	15	169	5.881	145.4	12.98	8.88	139.9	9.26	11.53	135.1	6.795	27.54	27.91	27.77	0.369	0.236	52.29	16.91	2.012	885	0
6/18/2014 19:45	68685	15	169	5.763	131.1	11.63	8.49	126.2	7.161	11.18	122.8	5.146	26.64	26.97	26.82	0.335	0.181	53.99	16.58	1.82	886	0
6/18/2014 20:00	68686	15	169	5.233	129.6	11.41	7.71	125.7	7.496	10.36	123.1	5.535	26.34	26.61	26.47	0.271	0.124	57.06	17.18	1.723	886	0
6/18/2014 20:15	68687	15	169	6.158	128.7	11.92	9.18	124	7.24	11.63	120.5	5.53	26.01	26.27	26.05	0.266	0.039	60.44	17.78	1.85	886	0
6/18/2014 20:30	68688	15	169	5.72	126.1	13.06	8.44	122	9.33	11.3	119.3	7.759	25.48	25.7	25.49	0.225	0.008	65.1	18.46	1.488	886	0
6/18/2014 20:45	68689	15	169	6.925	126.6	12.66	10.34	122.3	8.12	13.64	119.6	5.953	24.79	24.96	24.68	0.167	-0.106	68.27	18.56	1.847	887	0
6/18/2014 21:00	68690	15	169	6.054	131.8	12.59	8.88	125.7	7.794	11.56	121.7	5.975	23.73	23.87	23.67	0.136	-0.069	69.74	17.89	1.855	887	0
6/18/2014 21:15	68691	15	169	5.996	133.1	11.44	8.76	128.7	7.794	11.52	125	5.685	23.62	23.77	23.54	0.144	-0.086	69.68	17.78	1.818	887	0
6/18/2014 21:30	68692	15	169	5.406	131.4	12.87	7.873	126.3	8.66	10.11	122.9	5.967	23.24	23.36	23.08	0.121	-0.158	69.78	17.43	1.569	887	0
6/18/2014 21:45	68693	15	169	5.406	132	12.09	7.867	127.4	8.27	10.86	123.8	6.139	22.96	23.1	22.9	0.139	-0.065	71.52	17.56	1.72	887	0
6/18/2014 22:00	68694	15	169	6.299	134.8	13.25	8.99	129.4	8.25	11.98	126.5	5.554	23.06	23.19	22.98	0.131	-0.08	71.95	17.75	1.683	887	0
6/18/2014 22:15	68695	15	169	6.154	136.6	12.59	8.83	132.3	7.788	11.61	128.8	5.637	23.07	23.17	22.93	0.105	-0.141	72.55	17.88	1.733	887	0
6/18/2014 22:30	68696	15	169	6.542	140.8	12.11	9.24	134.8	7.648	12.38	133	5.344	23.06	23.16	22.93	0.109	-0.127	72.89	17.95	1.957	887	0
6/18/2014 22:45	68697	15	169	6.315	141.4	11.55	9.22	136.9	8.2	12.01	135.1	5.334	22.96	23.12	22.89	0.157	-0.074	72.95	17.87	1.676	887	0
6/18/2014 23:00	68698	15	169	5.626	144.9	11.9	8.29	139.5	7.714	11.2	136.8	5.423	22.86	23.04	22.87	0.184	0.013	73.08	17.8	1.778	887	0
6/18/2014 23:15	68699	15	169	5.035	146.2	12.55	7.746	141	8.24	10.56	137.7	6.04	22.74	22.94	22.74	0.194	-0.002	73.43	17.76	1.74	888	0
6/18/2014 23:30	68700	15	169	5.731	150.4	13.02	8.34	145.2	8.52	11.09	142.6	6.165	22.78	22.95	22.73	0.17	-0.049	73.32	17.78	1.742	888	0
6/18/2014 23:45	68701	15	169	5.58	156.2	11.26	7.821	151.7	8.48	10.43	148.2	6.03	22.67	22.8	22.57	0.134	-0.1	74.72	17.97	1.828	888	0
6/19/2014 0:00	68702	15	170	5.551	158.1	11.57	8.13	152.7	7.635	10.49	149.4	5.735	22.58	22.74	22.51	0.161	-0.075	75.81	18.12	1.847	888	0
6/19/2014 0:15	68703	15	170	5.323	159.3	11.65	7.751	154.1	7.764	10.12	149.9	6.066	22.6	22.75	22.53	0.158	-0.068	76.65	18.3	1.604	888	0
6/19/2014 0:30	68704	15	170	4.225	154.4	13.55	6.239	149.3	9.27	8.44	148.6	6.763	22.67	22.85	22.64	0.184	-0.021	76.46	18.33	1.386	888	0
6/19/2014 0:45	68705	15	170	3	151.4	16.23	4.685	147.3	11.56	6.697	145.2	8.65	22.54	22.8	22.66	0.255	0.115	76.42	18.21	1.253	888	0
6/19/2014 1:00	68706	15	170	3.702	167.6	16.71	5.469	163.3	14.84	7.59	159	12.74	22.65	22.94	22.8	0.287	0.148	75.31	18.08	1.385	888	0
6/19/2014 1:15	68707	15	170	1.971	191.6	18.96	2.946	184.5	15.41	4.103	174.6	14.07	22.43	22.79	22.6	0.361	0.174	75.76	17.96	0.828	888	0
6/19/2014 1:30	68708	15	170	2.232	164.6	12.08	3.173	159.9	10.3	4.534	156	9.1	22.26	22.66	22.52	0.401	0.258	76.88	18.03	0.932	888	0
6/19/2014 1:45	68709	15	170	2.303	164.7	13.7	3.547	159.4	11.21	4.976	156.9	8.57	21.94	22.43	22.37	0.496	0.438	78.96	18.14	1.084	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/19/2014 2:00	68710	15	170	2.532	155.3	11.67	4.099	150.7	8.03	5.532	150.7	6.809	21.86	22.33	22.32	0.468	0.454	79.46	18.16	1.161	888	0
6/19/2014 2:15	68711	15	170	2.436	169.3	10.18	3.89	163.6	7.11	5.641	160	5.248	21.71	22.16	22.24	0.444	0.52	79.61	18.05	1.081	888	0
6/19/2014 2:30	68712	15	170	2.513	168.5	10.69	4.028	162.7	6.111	6.14	159.6	4.118	21.51	21.97	22.15	0.468	0.643	81	18.12	1.132	888	0
6/19/2014 2:45	68713	15	170	2.452	163.7	11.9	3.841	159.7	8.59	6.096	157.4	4.964	21.56	21.94	22.06	0.382	0.497	80.3	18.05	1.084	888	0
6/19/2014 3:00	68714	15	170	2.317	153.6	11.18	3.801	149.8	6.683	5.962	151.2	4.893	21.46	21.88	22.03	0.415	0.572	81	18.08	1.063	888	0
6/19/2014 3:15	68715	15	170	1.93	141.8	14.73	3.329	138.7	9.69	5.335	140.6	6.756	21.47	21.92	22.05	0.452	0.584	79.87	17.87	0.996	888	0
6/19/2014 3:30	68716	15	170	2.137	124.8	12.4	3.545	124.6	8.7	5.834	130.5	6.19	21.45	21.9	22.17	0.452	0.719	78.67	17.61	1.137	888	0
6/19/2014 3:45	68717	15	170	2.359	147.2	13.64	3.735	142.5	10.21	5.882	143.8	7.361	21.72	22.14	22.32	0.411	0.599	74.51	17.01	1.108	888	0
6/19/2014 4:00	68718	15	170	2.638	158.7	12.01	4.407	153.6	8.37	6.672	153.2	5.849	21.75	22.25	22.51	0.507	0.762	71.46	16.38	1.226	888	0
6/19/2014 4:15	68719	15	170	3.227	149.2	11.43	5.032	144.1	7.536	7.694	144.2	6.172	21.96	22.33	22.47	0.365	0.509	67.29	15.64	1.508	888	0
6/19/2014 4:30	68720	15	170	3.517	145.3	11.61	5.498	140.3	7.396	7.875	139.5	4.862	22.14	22.46	22.52	0.324	0.379	65.73	15.44	1.282	888	0
6/19/2014 4:45	68721	15	170	3.294	151.6	11.78	5.206	144.8	6.914	7.657	142.6	4.599	22.12	22.49	22.58	0.368	0.453	65.48	15.37	1.808	888	0
6/19/2014 5:00	68722	15	170	3.267	153.4	12.11	5.271	148	7.451	7.922	147	4.527	22.03	22.43	22.6	0.406	0.571	65.57	15.3	7.622	888	0
6/19/2014 5:15	68723	15	170	2.871	157.9	12.3	4.375	151.6	9.44	6.94	149.9	5.712	21.99	22.3	22.41	0.313	0.422	66.26	15.43	22.17	888	0
6/19/2014 5:30	68724	15	170	3.433	164.4	10.4	5.071	159	7.284	7.412	156.4	4.521	22.15	22.44	22.5	0.285	0.351	65.5	15.4	43.9	888	0
6/19/2014 5:45	68725	15	170	2.972	168.1	10.98	4.427	161.7	7.277	6.604	159.6	4.517	22.41	22.64	22.66	0.231	0.25	64.08	15.3	81.7	888	0
6/19/2014 6:00	68726	15	170	2.848	164	11.42	4.213	158	7.514	6.431	156.5	4.633	22.69	22.92	22.91	0.232	0.218	62.51	15.18	99.5	889	0
6/19/2014 6:15	68727	15	170	2.565	165.3	12.99	3.944	158.1	8.95	6.18	155.9	5.194	22.87	23.1	23.1	0.232	0.235	61.74	15.16	118.2	889	0
6/19/2014 6:30	68728	15	170	2.543	167.7	12.01	3.871	161.9	8.15	5.79	159.8	5.036	23.13	23.38	23.36	0.253	0.235	61.11	15.24	125.9	889	0
6/19/2014 6:45	68729	15	170	2.479	163.9	12.19	3.551	159.2	8.98	5.249	157.4	6.25	23.59	23.64	23.46	0.048	-0.133	60.25	15.46	214.9	889	0
6/19/2014 7:00	68730	15	170	2.541	173.9	14.51	3.485	169.2	11.59	4.687	167	8.78	24.32	24.1	23.63	-0.224	-0.688	58.44	15.67	319.2	889	0
6/19/2014 7:15	68731	15	170	3.076	183.4	10.98	4.208	179.1	8.94	4.915	175.1	9.66	24.59	24.34	23.86	-0.246	-0.726	56.61	15.42	339.4	889	0
6/19/2014 7:30	68732	15	170	2.57	199.4	11.91	3.536	193.8	9.02	4.359	191.4	7.533	24.79	24.57	24.05	-0.225	-0.737	56.58	15.6	317.6	889	0
6/19/2014 7:45	68733	15	170	2.87	216.3	14.35	3.646	212.4	11.29	4.436	210.4	9.03	25.13	24.75	24.18	-0.376	-0.953	55.63	15.65	463.6	890	0
6/19/2014 8:00	68734	15	170	2.592	234.9	15.05	3.393	231.7	13.59	3.981	229.3	10.93	25.63	25.09	24.49	-0.54	-1.137	54.42	15.77	544.6	890	0
6/19/2014 8:15	68735	15	170	2.471	263.9	13.99	3.415	261	11.43	3.869	252.4	11.15	25.85	25.24	24.64	-0.61	-1.213	52.62	15.45	581.2	890	0
6/19/2014 8:30	68736	15	170	2.286	260.8	16.86	3.119	259.3	13.15	3.562	255.8	11.68	25.58	25.04	24.48	-0.537	-1.093	53.27	15.39	428.6	890	0
6/19/2014 8:45	68737	15	170	1.945	283.1	23.27	2.443	280.4	17.83	2.793	275.7	11.97	25.56	25.09	24.57	-0.469	-0.996	52.59	15.18	503.4	889	0
6/19/2014 9:00	68738	15	170	1.842	282.4	29.16	2.25	274.4	24.94	2.878	259.2	18.55	25.86	25.31	24.63	-0.542	-1.229	53.67	15.76	698.2	889	0
6/19/2014 9:15	68739	15	170	1.287	255.6	38.16	1.588	251.1	37.95	2.07	251.7	34.28	25.74	25.36	24.84	-0.385	-0.903	55.83	16.27	529.2	889	0
6/19/2014 9:30	68740	15	170	0.888	179.6	66.19	1.192	188	56.27	1.448	196.3	39.73	25.86	25.54	25.05	-0.317	-0.811	57.55	16.86	610.5	889	0
6/19/2014 9:45	68741	15	170	1.166	263.1	40.72	1.413	257.5	33.29	1.504	240.7	27.24	26.31	25.89	25.31	-0.421	-1.005	54.46	16.41	884	889	0
6/19/2014 10:00	68742	15	170	0.932	176.9	72.7	1.043	159.2	65.82	0.999	79.66	95.8	26.9	26.48	26	-0.419	-0.898	51.46	16.07	1002	889	0
6/19/2014 10:15	68743	15	170	1.118	43.04	66.23	1.333	39.69	60.36	1.72	62.05	52.06	27.6	27.11	26.36	-0.49	-1.238	50.02	16.27	1076	890	0
6/19/2014 10:30	68744	15	170	1.211	15.24	58.89	1.644	10.41	40.02	2.076	2.306	37.81	28.48	27.76	27.16	-0.714	-1.321	45.54	15.58	1054	889	0
6/19/2014 10:45	68745	15	170	1.667	45.59	54.41	2.029	35.59	54.76	2.571	18.8	37.64	29.04	28.23	27.59	-0.807	-1.453	42.26	14.94	1093	889	0
6/19/2014 11:00	68746	15	170	2.028	68.49	26.16	2.656	63.06	24.71	3.236	50.87	23.51	29.77	28.87	28.08	-0.892	-1.69	41.32	15.24	1144	889	0
6/19/2014 11:15	68747	15	170	1.673	33.72	57.23	2.144	29.89	55.14	2.799	28.56	45.74	30.46	29.57	28.8	-0.884	-1.658	38.84	14.89	1101	889	0
6/19/2014 11:30	68748	15	170	1.638	51.19	51.46	1.936	42.14	35.99	2.504	36.46	25.85	30.9	30.06	29.42	-0.838	-1.48	36.73	14.41	1087	889	0
6/19/2014 11:45	68749	15	170	2.039	18.21	30.54	2.688	14.48	25.19	3.241	14.64	27.45	31.9	31.03	30.14	-0.874	-1.765	33.48	13.87	1097	889	0
6/19/2014 12:00	68750	15	170	1.749	15.34	32.45	2.271	15.54	20.53	2.54	18	16	31.93	31.06	30.21	-0.876	-1.723	31.96	13.19	996	889	0
6/19/2014 12:15	68751	15	170	2.268	63.16	22.86	2.84	59.73	18.43	3.628	60	13.75	32.3	31.57	30.8	-0.726	-1.504	29.61	12.32	1085	889	0
6/19/2014 12:30	68752	15	170	1.929	89.1	43.94	2.276	86.4	37.9	2.677	73.98	22.86	32.82	31.89	31.19	-0.925	-1.625	27.94	11.89	1263	889	0
6/19/2014 12:45	68753	15	170	1.639	244.6	56.18	1.964	239.5	59.65	2.24	228.9	60.09	33.28	32.54	31.81	-0.74	-1.468	26.79	11.65	1213	889	0
6/19/2014 13:00	68754	15	170	2.496	92.9	58.55	3.078	93.4	52.65	3.404	92.9	43.22	33.52	32.55	31.73	-0.97	-1.782	27.31	12.14	1277	888	0
6/19/2014 13:15	68755	15	170	4.429	108.3	20.33	5.814	104.9	17.48	7.103	103	15.31	33.6	32.37	31.43	-1.227	-2.166	30.16	13.73	979	888	0
6/19/2014 13:30	68756	15	170	4.367	122.2	21	5.949	118	17.2	7.04	113.1	14.16	33.81	32.26	31.21	-1.547	-2.599	31.3	14.48	1145	888	0
6/19/2014 13:45	68757	15	170	4.431	115.6	15.49	5.969	112.5	11.43	7.329	111.7	9.38	33.86	32.25	31.15	-1.605	-2.707	30.87	14.32	1161	888	0
6/19/2014 14:00	68758	15	170	4.345	121.7	17.81	5.892	118.7	13.43	7.11	117.5	9.72	33.64	32.17	31.2	-1.469	-2.446	29.89	13.63	1065	888	0
6/19/2014 14:15	68759	15	170	4.723	128.8	16.23	6.446	124.4	12.34	7.512	120.6	10.25	33.81	32.39	31.52	-1.414	-2.288	29	13.31	1043	888	0
6/19/2014 14:30	68760	15	170	4.686	127.2	18.12	6.45	123.8	15.19	7.597	120.5	13.87	33.99	32.65	31.72	-1.337	-2.272	28	12.92	992	888	0
6/19/2014 14:45	68761	15	170	4.12	130.8	21.7	5.838	126.4	16.62	7.102	118.2	12.34	34.27	32.92	31.96	-1.348	-2.305	27.37	12.82	1025	888	0
6/19/2014 15:00	68762	15	170	4.913	127.8	17.07	6.653	122.6	12.76	7.943	119.8	9.11	33.88	32.67	31.84	-1.205	-2.04	28.09	12.88	809	888	0
6/19/2014 15:15	68763	15	170	4.962	133.3	15.22	7.274	129	10.99	8.69	126	8.13	32.7	32.13	31.46	-0.573	-1.241	30.2	12.98	282	888	0
6/19/2014 15:30	68764	15	170	4.557	143.8	13.95	6.572	137.2	11.15	8.23	134.4	10.18	32.37	32.08	31.5	-0.285	-0.869	30.01	12.59	190	888	0
6/19/2014 15:45	68765	15	170	4.891	142.3	13.41	6.979	137.5	9.79	8.76	132.7	7.38	32.1	31.93	31.39	-0.171	-0.712	29.96	12.35	153.2	888	0
6/19/2014 16:00	68766	15	170	4.756	143.5	12.29	7.072	137.5	7.889	8.64	133.3	5.629	32	31.9	31.41	-0.108	-0.59	29.65	12.1	133.9	888	0
6/19/2014 16:15	68767	15	170	4.202	140.3	12.46	6.198	136	9.01	7.796	132.3	7.17	32.14	31.97	31.49	-0.164	-0.645	30.33	12.56	214.4	887	0
6/19/2014 16:30	68768	15	170	4.363	143.4	14.66	6.279	138.1	11.06	8.05	134	7.887	32.41	32.12	31.54	-0.298	-0.874	30.83	13.05	300.3	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/19/2014 16:45	68769	15	170	5.055	133.1	12.53	7.103	129.1	8.17	8.7	126.1	5.55	32.17	31.9	31.32	-0.278	-0.85	31.66	13.25	262.9	887	0
6/19/2014 17:00	68770	15	170	4.504	137.1	14.47	6.546	132.8	10.22	8.19	130.1	7.021	32.01	31.82	31.3	-0.187	-0.709	32.79	13.65	216.2	887	0
6/19/2014 17:15	68771	15	170	4.643	131.1	14.85	6.895	127.6	10.16	9.04	125.6	7.234	31.63	31.57	31.1	-0.056	-0.529	32.96	13.39	133.8	887	0
6/19/2014 17:30	68772	15	170	3.683	139.9	13.74	5.49	134.3	11.13	7.311	131.9	10.42	31.33	31.41	31.05	0.082	-0.286	32.99	13.15	78.65	887	0
6/19/2014 17:45	68773	15	170	2.851	166.6	68.13	4.016	155.4	66.78	5.319	144.7	57.98	30.53	30.59	30.21	0.061	-0.324	34.11	12.96	55.59	888	0
6/19/2014 18:00	68774	15	170	2.366	318.9	34.08	2.971	310.5	25.87	3.979	301	18.49	27.18	26.94	26.58	-0.232	-0.599	35.92	10.8	48.58	888	0
6/19/2014 18:15	68775	15	170	6.586	328.5	13.31	9.71	325.8	10.54	13.06	320.2	8.62	27.12	26.93	26.47	-0.187	-0.646	33.73	9.72	8.86	888	0
6/19/2014 18:30	68776	15	170	11	338.9	15.53	16.39	336.5	8.56	23.48	327.1	6.039	19.76	19.77	20.47	0.01	0.715	66.93	13.17	10.83	889	2.794
6/19/2014 18:45	68777	15	170	7.019	5.926	21.94	10.92	0.899	17.37	13.39	346.8	14.81	17.85	18.46	18.14	0.607	0.295	80.3	14.38	12.77	891	10.92
6/19/2014 19:00	68778	15	170	3.846	86.5	21.4	6.225	76.98	18.57	6.574	68.19	23.32	17.99	20.25	22.19	2.258	4.199	79.68	14.43	9.41	890	6.096
6/19/2014 19:15	68779	15	170	5.001	79.13	12.5	8.22	76.73	8.58	9.68	71.71	6.963	19.35	20.48	22.84	1.129	3.494	70.44	13.85	4.141	890	1.27
6/19/2014 19:30	68780	15	170	5.112	85.2	11.73	8.16	81.7	8.63	11.55	75.36	5.347	19.77	20.93	25.16	1.161	5.388	69.25	13.99	1.919	889	0
6/19/2014 19:45	68781	15	170	5.178	83.8	13.23	7.968	79.37	9.92	13.08	69.73	5.998	19.94	20.78	23.05	0.838	3.104	68.06	13.89	1.558	889	0
6/19/2014 20:00	68782	15	170	5.901	96.6	11.78	8.38	91	8.47	12.37	80.1	6.256	19.81	20.16	20.5	0.348	0.689	75.3	15.33	1.566	890	0
6/19/2014 20:15	68783	15	170	7.818	99.6	12.11	11.27	95.8	8.92	16.2	89.7	5.306	18.93	19.12	19.2	0.19	0.275	75.94	14.6	2.112	890	0
6/19/2014 20:30	68784	15	170	8.11	114	12.3	11.88	109.6	8.34	16.35	102.9	4.698	19.36	19.68	20.15	0.314	0.785	69.49	13.64	2.072	891	0
6/19/2014 20:45	68785	15	170	8.25	106.4	13.05	11.95	103.1	8.18	17.55	98.7	4.092	19.27	19.51	20.18	0.238	0.911	66.9	12.99	2	891	0
6/19/2014 21:00	68786	15	170	7.163	104.3	10.9	10.28	101.1	7.931	15.48	99.3	4.048	20.62	20.99	21.81	0.37	1.183	58.98	12.34	2.053	891	0
6/19/2014 21:15	68787	15	170	6.992	117.3	11.99	10.25	114.8	7.847	14.7	110.8	4.674	20.28	20.61	20.88	0.336	0.601	60.43	12.39	2.014	891	0
6/19/2014 21:30	68788	15	170	6.405	120.6	12.09	9.67	115.8	6.71	14.48	111.4	3.914	20.58	20.95	21.33	0.37	0.746	59.91	12.54	1.975	892	0
6/19/2014 21:45	68789	15	170	6.838	125.2	11.36	10.06	120.1	7.114	14.5	115	4.196	20.81	21.14	21.32	0.33	0.506	58.78	12.46	2.059	892	0
6/19/2014 22:00	68790	15	170	6.038	122.9	12.29	9.12	118.8	7.351	13.2	113.2	4.337	20.97	21.33	21.59	0.365	0.618	59.28	12.74	1.848	891	0
6/19/2014 22:15	68791	15	170	5.742	129.5	11.73	8.56	124.1	7.292	12.63	116.7	4.379	21.31	21.71	22.01	0.395	0.697	57.84	12.69	1.685	891	0
6/19/2014 22:30	68792	15	170	6.359	125.6	11.51	9.51	120.2	7.62	14.01	114.5	4.147	21.62	22.02	22.31	0.394	0.692	56.09	12.5	2.057	891	0
6/19/2014 22:45	68793	15	170	6.184	120.2	12.15	9.24	116.1	7.147	12.88	110.7	4.533	22.19	22.67	22.87	0.482	0.682	51.93	11.87	1.826	891	0
6/19/2014 23:00	68794	15	170	5.367	121.5	12.09	7.907	115.6	7.511	11.99	108.7	4.397	21.99	22.44	22.77	0.455	0.786	52.98	11.98	1.729	891	0
6/19/2014 23:15	68795	15	170	5.549	128.6	12.6	8.26	123.9	8.76	11.67	116.9	5.539	21.63	22	22.11	0.375	0.486	55.37	12.31	1.607	891	0
6/19/2014 23:30	68796	15	170	4.919	126.2	11.84	7.33	121.1	7.835	11.07	111.6	5.936	21.37	21.73	22.03	0.366	0.664	57.74	12.71	1.626	891	0
6/19/2014 23:45	68797	15	170	4.345	140.5	15.73	6.555	134.5	12.85	9.61	124.8	11	21.28	21.65	21.78	0.376	0.503	57.37	12.53	1.435	891	0
6/20/2014 0:00	68798	15	171	4.244	160	9.63	6.432	152.3	6.93	9.12	142.9	4.825	21	21.42	21.63	0.415	0.632	59.93	12.94	1.348	891	0
6/20/2014 0:15	68799	15	171	4.654	153.2	11.27	7.182	147.5	7.111	10.42	142.8	4.602	21.58	21.98	22.11	0.401	0.524	59.91	13.48	1.957	891	0
6/20/2014 0:30	68800	15	171	4.853	163.2	11.66	7.059	156.4	8.44	10.04	151.3	6.779	21.49	21.83	21.9	0.338	0.409	63.94	14.4	1.517	891	0
6/20/2014 0:45	68801	15	171	4.936	174.3	10.7	6.89	168.9	7.759	10	162.8	5.063	21.66	21.97	22.09	0.315	0.428	64.38	14.66	1.609	891	0
6/20/2014 1:00	68802	15	171	5.217	175	10.47	7.48	169.2	7.185	10.43	164.1	5.336	21.91	22.24	22.27	0.325	0.357	64.66	14.97	1.525	891	0
6/20/2014 1:15	68803	15	171	4.797	173.6	11.12	6.867	168.6	7.996	9.74	163.5	5.079	21.83	22.15	22.16	0.317	0.329	65.47	15.09	1.275	890	0
6/20/2014 1:30	68804	15	171	3.984	178.6	12.05	5.917	174.3	8.66	8.44	168.9	5.631	21.6	21.94	21.96	0.34	0.357	67.02	15.23	1.262	890	0
6/20/2014 1:45	68805	15	171	3.878	183.3	11	5.645	178.9	8.04	8.04	175.2	5.459	21.46	21.79	21.79	0.329	0.325	68.13	15.35	1.52	890	0
6/20/2014 2:00	68806	15	171	2.847	175.1	14.56	4.291	170.4	11.52	6.505	169.9	7.428	21.07	21.47	21.56	0.403	0.493	70.04	15.41	1.085	890	0
6/20/2014 2:15	68807	15	171	1.133	182.8	17.4	1.924	180.8	12.35	3.764	176.9	7.632	20.57	21.19	21.34	0.616	0.767	72.59	15.49	0.785	891	0
6/20/2014 2:30	68808	15	171	1.326	97.9	29.13	2.176	121.3	27.9	2.986	142.5	20.67	19.53	21.06	21.29	1.531	1.761	78.45	15.69	0.642	891	0
6/20/2014 2:45	68809	15	171	1.722	73.94	10.66	3.362	79.39	6.762	3.408	103.5	5.466	19.15	20.44	21.25	1.288	2.101	83.6	16.32	0.793	892	0
6/20/2014 3:00	68810	15	171	1.714	89.7	9.89	3.38	91.3	5.947	4.386	110.8	5.479	19.16	20.01	21.18	0.846	2.015	84.6	16.52	0.784	892	0
6/20/2014 3:15	68811	15	171	1.532	107.9	18.17	3.23	106.8	10.84	5.051	118.7	4.488	18.99	19.82	20.98	0.831	1.984	86	16.62	0.964	892	0
6/20/2014 3:30	68812	15	171	1.612	104	15.68	2.963	107.3	8.35	5.213	123.2	4.94	19.31	19.95	20.76	0.637	1.442	84.7	16.69	0.835	892	0
6/20/2014 3:45	68813	15	171	1.625	119.7	10.36	3.221	118.8	4.543	5.622	131.4	1.919	19.13	19.76	20.51	0.626	1.378	85.9	16.73	0.94	892	0
6/20/2014 4:00	68814	15	171	1.311	121	10.14	2.755	120.6	5.415	5.375	135.8	3.335	18.86	19.54	20.3	0.677	1.441	87.8	16.8	0.93	892	0
6/20/2014 4:15	68815	15	171	1.479	116.5	8.82	3.12	120.6	3.537	5.92	139.5	0.984	18.71	19.45	20.51	0.745	1.801	89.4	16.95	0.992	892	0
6/20/2014 4:30	68816	15	171	1.697	124.1	11.21	3.386	124.1	5.162	6.657	139.1	0.682	18.75	19.35	20.53	0.608	1.782	89.6	17.02	1.152	892	0
6/20/2014 4:45	68817	15	171	1.816	128.4	10.68	3.353	126.4	5.288	6.839	135.7	1.962	18.91	19.39	20.51	0.487	1.603	89	17.08	1.632	892	0
6/20/2014 5:00	68818	15	171	1.833	131.2	11.39	3.363	127.4	6.243	6.945	132.6	1.961	18.99	19.42	20.33	0.428	1.334	88.8	17.12	5.384	892	0
6/20/2014 5:15	68819	15	171	1.624	128.2	10.27	2.876	125.7	5.888	5.991	127.8	2.929	19.02	19.38	19.95	0.357	0.927	88.9	17.17	19.2	893	0
6/20/2014 5:30	68820	15	171	1.795	130.3	10.28	2.837	128	6.297	5.058	123.5	4.504	19.29	19.48	19.59	0.192	0.302	88.6	17.37	65.31	893	0
6/20/2014 5:45	68821	15	171	2.248	128.3	12.53	3.29	123.1	8.83	5.325	116.6	5.314	20.01	19.88	19.72	-0.128	-0.29	86.4	17.68	154.7	893	0
6/20/2014 6:00	68822	15	171	3.339	124.6	12.19	4.775	120.7	6.869	5.942	118.1	5.768	20.67	20.41	20.04	-0.26	-0.639	82.5	17.61	232	893	0
6/20/2014 6:15	68823	15	171	3.612	130.1	12.36	5.217	125.8	8.92	6.235	122.3	6.83	21.24	20.86	20.36	-0.378	-0.879	79.38	17.54	305.9	893	0
6/20/2014 6:30	68824	15	171	4.077	132.7	13.5	5.926	128.8	8.76	7.408	124	5.298	21.42	21.02	20.46	-0.397	-0.956	76.86	17.2	319.8	893	0
6/20/2014 6:45	68825	15	171	4.034	137.7	14.52	5.895	131.8	10.02	7.352	128.5	7.034	21.35	20.94	20.38	-0.41	-0.965	76.3	17.02	327.9	893	0
6/20/2014 7:00	68826	15	171	4.155	141.1	13.64	6.047	136.7	9.01	7.361	133.8	6.043	21.24	21.01	20.51	-0.234	-0.73	76.95	17.05	201.6	894	0
6/20/2014 7:15	68827	15	171	3.714	136.3	14.99	5.364	130.3	10.88	6.355	128	7.678	21.33	20.95	20.4	-0.377	-0.923	79.11	17.57	257.4	894	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/20/2014 7:30	68828	15	171	3.451	143.8	13.19	4.918	138.4	9.83	5.986	136	8.04	21.49	21.12	20.58	-0.369	-0.916	77.56	17.42	235.9	894	0
6/20/2014 7:45	68829	15	171	3.205	140.8	15.56	4.557	135.3	11.08	5.428	132.7	10.36	21.39	21.1	20.6	-0.293	-0.79	77.97	17.41	170.2	894	0
6/20/2014 8:00	68830	15	171	3.906	131.4	14.42	5.689	126.6	8.89	6.784	123.2	6.373	21.51	20.99	20.38	-0.529	-1.135	79.26	17.79	382.7	894	0
6/20/2014 8:15	68831	15	171	3.364	132.6	17.26	4.574	126.6	11.6	5.174	119.9	8.05	22.01	21.01	20.36	-1.001	-1.655	77.95	18.01	742.5	894	0
6/20/2014 8:30	68832	15	171	2.729	121.6	21.08	3.559	117.8	14.3	4.013	112.7	9.13	22.31	21.38	20.7	-0.931	-1.609	76.93	18.08	774.6	893	0
6/20/2014 8:45	68833	15	171	2.963	115.5	17.65	3.884	114.4	12.42	4.529	113.4	8.7	23.01	21.97	21.2	-1.043	-1.808	72.34	17.78	901	893	0
6/20/2014 9:00	68834	15	171	2.687	135.8	17.45	3.628	130.9	14.55	4.306	127.4	11.13	23.24	22.25	21.55	-0.991	-1.686	71.04	17.71	804	893	0
6/20/2014 9:15	68835	15	171	2.763	141.4	23.58	3.516	138.1	17.25	4.169	134.6	14.44	23.6	22.66	21.91	-0.938	-1.696	69.03	17.61	876	893	0
6/20/2014 9:30	68836	15	171	2.979	135.9	19.96	3.882	130.4	16.45	4.66	123.5	12.87	24.26	23.23	22.38	-1.034	-1.885	65.91	17.5	930	893	0
6/20/2014 9:45	68837	15	171	3.121	124.9	19.52	4.119	122.6	13.79	4.872	123.5	11.98	23.97	23.13	22.47	-0.844	-1.504	65.65	17.16	595.5	893	0
6/20/2014 10:00	68838	15	171	2.556	132.5	26.43	3.266	133.4	22.17	3.908	131.6	21.57	24.14	23.27	22.73	-0.864	-1.412	64.98	17.16	854	893	0
6/20/2014 10:15	68839	15	171	2.246	136.1	28.64	2.985	132.9	23.7	3.857	130.2	18.15	24.56	23.88	23.29	-0.68	-1.267	63.05	17.08	507.3	893	0
6/20/2014 10:30	68840	15	171	3.826	123.7	14.88	5.203	119.7	11.38	6.02	117.5	10.19	25.61	24.46	23.72	-1.148	-1.887	58.98	17.01	986	893	0
6/20/2014 10:45	68841	15	171	3.974	118.1	17.34	5.3	114.9	14.36	6.107	114.5	13.94	25.37	24.39	23.74	-0.981	-1.629	59.99	17.06	795.3	893	0
6/20/2014 11:00	68842	15	171	3.697	107.5	15.06	4.802	103.1	11.6	5.755	102.6	9.49	25.48	24.3	23.48	-1.177	-1.996	61.72	17.61	1163	893	0
6/20/2014 11:15	68843	15	171	3.647	109.9	19.58	5.01	106.7	14.59	5.884	102.7	13.95	26.12	24.73	23.85	-1.39	-2.271	59.43	17.61	1244	893	0
6/20/2014 11:30	68844	15	171	3.496	107.5	15.79	4.621	105	12.61	5.617	104.7	9.74	26.26	25.04	24.24	-1.221	-2.024	56.76	17.02	1085	893	0
6/20/2014 11:45	68845	15	171	3.911	118.7	18.59	5.233	114.8	14.5	6.214	109	10.96	26.88	25.42	24.48	-1.457	-2.397	54.37	16.91	1301	893	0
6/20/2014 12:00	68846	15	171	3.639	126.1	19.13	4.917	120.9	15.73	5.942	119.7	13.54	27.04	25.64	24.76	-1.396	-2.273	52.93	16.64	1204	893	0
6/20/2014 12:15	68847	15	171	4.036	124.7	21.21	5.541	119.5	17.99	6.619	115.3	14.96	26.97	25.82	24.99	-1.15	-1.977	51.27	16.07	923	892	0
6/20/2014 12:30	68848	15	171	4.216	128.9	19.33	5.731	123.7	14.6	6.748	117.2	12.19	27.66	26.21	25.34	-1.442	-2.318	48.49	15.83	1231	892	0
6/20/2014 12:45	68849	15	171	4.239	114.7	24.97	5.698	111.1	21.95	6.716	107.8	18.03	27.79	26.45	25.52	-1.343	-2.269	48.06	15.81	1186	892	0
6/20/2014 13:00	68850	15	171	3.759	108.7	18.51	5.091	105.1	14.17	6.109	101	12.04	28.08	26.7	25.78	-1.373	-2.293	46.28	15.48	1247	892	0
6/20/2014 13:15	68851	15	171	3.795	112.7	20.14	5.337	108.5	16.38	6.431	103.8	11.43	27.69	26.68	25.91	-1.011	-1.776	46.18	15.1	710.5	892	0
6/20/2014 13:30	68852	15	171	3.696	112.7	21.96	4.957	108.4	16.52	5.885	107.9	15.31	28.42	27.11	26.31	-1.314	-2.109	43.3	14.76	1139	891	0
6/20/2014 13:45	68853	15	171	3.833	102.9	21.79	5.023	101.6	18	5.838	100.9	14.74	28.58	27.34	26.52	-1.238	-2.06	42.33	14.55	1149	891	0
6/20/2014 14:00	68854	15	171	3.718	100.5	22.38	4.953	98.5	19.14	5.85	96.6	14.81	28.29	27.26	26.56	-1.029	-1.737	42.66	14.42	914	891	0
6/20/2014 14:15	68855	15	171	3.166	108.7	23.49	4.232	105.3	18.45	5.096	102.5	18.35	28.33	27.4	26.62	-0.93	-1.702	41.76	14.11	817	891	0
6/20/2014 14:30	68856	15	171	3.438	105.3	24.82	4.532	103	19.51	5.339	98.7	15.79	28.87	27.69	26.86	-1.175	-2.003	41.43	14.48	1092	891	0
6/20/2014 14:45	68857	15	171	3.459	115.5	21.26	4.669	111.7	16.31	5.588	107.2	11.45	29.04	27.84	27.01	-1.205	-2.036	40.09	14.13	1055	891	0
6/20/2014 15:00	68858	15	171	3.737	110.4	21.78	4.887	110.3	18.01	5.933	106.3	14.96	29.17	27.95	27.13	-1.22	-2.039	40.37	14.35	995	891	0
6/20/2014 15:15	68859	15	171	3.702	111.4	24.44	4.909	107.5	20.05	5.79	102.7	15.85	29.21	28.06	27.22	-1.141	-1.98	40.79	14.54	925	890	0
6/20/2014 15:30	68860	15	171	3.438	109.9	22.95	4.724	103.3	18.76	5.662	99.4	15.97	29.28	28.19	27.38	-1.085	-1.898	39.55	14.13	826	890	0
6/20/2014 15:45	68861	15	171	3.751	111.7	16.51	4.963	106.3	13.89	5.942	101.1	15.78	28.86	28.04	27.35	-0.825	-1.512	39.5	13.73	628.4	890	0
6/20/2014 16:00	68862	15	171	3.301	116.9	25.74	4.399	112.4	20.72	5.157	107.7	18.34	29.31	28.33	27.64	-0.973	-1.667	38.31	13.66	798.9	890	0
6/20/2014 16:15	68863	15	171	3.731	120.7	19.99	5.019	115.2	16.1	5.763	110.6	12.6	29.47	28.5	27.71	-0.969	-1.756	37.42	13.45	725.4	890	0
6/20/2014 16:30	68864	15	171	3.528	119	18.47	4.855	115.5	14.16	5.887	112.5	11.55	29.35	28.52	27.85	-0.826	-1.498	36.37	12.9	623.5	890	0
6/20/2014 16:45	68865	15	171	4.161	123.5	19.92	5.823	117.7	15.37	6.907	110.5	13.65	29.42	28.61	27.89	-0.807	-1.527	37.24	13.32	643.6	890	0
6/20/2014 17:00	68866	15	171	5.691	114.5	14.25	8.22	110.9	8.82	10.41	107.9	5.81	28.35	27.81	27.07	-0.539	-1.283	42.08	14.24	348.1	890	0
6/20/2014 17:15	68867	15	171	5.704	120.1	14.79	8.32	116.6	10	10.55	113.6	8.93	27.62	27.24	26.62	-0.378	-1.002	45.41	14.78	279.7	890	0
6/20/2014 17:30	68868	15	171	5.777	133.6	14.59	8.26	129.4	10.69	10.49	125.4	7.351	27.68	27.18	26.44	-0.503	-1.248	46.48	15.19	374.8	890	0
6/20/2014 17:45	68869	15	171	5.517	136.4	13.87	8.12	131.4	9.27	10.16	125.9	5.529	26.94	26.6	25.97	-0.341	-0.966	47.87	14.98	240	890	0
6/20/2014 18:00	68870	15	171	4.985	131	13.74	7.281	125.6	8.82	9.13	122.9	6.473	26.58	26.42	25.94	-0.164	-0.644	47.92	14.67	146.6	890	0
6/20/2014 18:15	68871	15	171	5.824	137.5	12.83	8.39	132.9	9.3	10.52	129.5	7.44	26.11	25.96	25.47	-0.146	-0.637	49.51	14.74	127	890	0
6/20/2014 18:30	68872	15	171	5.601	133.2	11.98	8.04	129.2	7.469	10.58	125.3	5.17	25.47	25.38	24.94	-0.087	-0.522	52.28	14.99	78.81	891	0
6/20/2014 18:45	68873	15	171	5.63	139.3	12.89	8.19	134.6	9.9	10.76	130.5	7.546	25.03	24.95	24.52	-0.078	-0.509	54.65	15.28	67.9	891	0
6/20/2014 19:00	68874	15	171	6.679	139.2	14.41	9.69	134.3	10.51	12.59	129.5	7.758	23.84	23.75	23.28	-0.09	-0.558	61.46	15.99	30.36	891	0
6/20/2014 19:15	68875	15	171	6.436	133.5	12.22	9.48	129	8.07	12.43	124.8	5.103	22.84	22.76	22.35	-0.083	-0.493	65.89	16.15	7.847	891	0
6/20/2014 19:30	68876	15	171	5.815	137.2	12.12	8.32	132.8	7.875	11.08	128.2	6.171	22.35	22.29	21.93	-0.056	-0.422	67.59	16.08	2.155	891	0
6/20/2014 19:45	68877	15	171	5.765	138	12.28	8.47	132.1	8.43	11	127.6	5.622	21.94	21.9	21.53	-0.037	-0.407	69.25	16.06	1.813	891	0
6/20/2014 20:00	68878	15	171	5.869	134.7	11.65	8.53	130.2	6.928	10.85	126.1	5.095	21.46	21.41	21.03	-0.045	-0.423	71.79	16.17	1.349	891	0
6/20/2014 20:15	68879	15	171	5.22	135	11.98	7.769	130.8	7.117	9.98	126	4.554	21.19	21.17	20.85	-0.019	-0.346	73.8	16.35	1.498	891	0
6/20/2014 20:30	68880	15	171	4.816	134.7	11.47	7.058	129.1	6.868	9.12	125	4.923	21.14	21.15	20.84	0.008	-0.295	73.3	16.19	1.506	891	0
6/20/2014 20:45	68881	15	171	4.249	129.2	12.09	6.262	125.2	7.024	8.33	121.3	4.756	21.04	21.07	20.8	0.035	-0.242	73.22	16.08	1.307	892	0
6/20/2014 21:00	68882	15	171	4.003	128.5	11.41	6.006	123.8	7.032	8.31	119.7	5.166	20.97	21.01	20.76	0.043	-0.21	73.99	16.18	1.289	892	0
6/20/2014 21:15	68883	15	171	3.843	124.8	11.35	5.822	120.7	6.956	8.22	117.4	4.744	20.94	20.99	20.77	0.056	-0.169	75.46	16.45	1.37	892	0
6/20/2014 21:30	68884	15	171	3.986	125.9	11.8	5.881	121.5	7.436	8.02	117.7	4.588	21.03	21.11	20.88	0.072	-0.151	75.61	16.58	1.286	892	0
6/20/2014 21:45	68885	15	171	3.856	130.3	11.67	5.628	126.1	7.215	7.672	121.5	5.192	21.13	21.22	21	0.09	-0.133	75.57	16.66	1.415	892	0
6/20/2014 22:00	68886	15	171	3.561	128.6	12.35	5.218	123	8.04	7.392	119.4	5.291	21.11	21.21	21	0.1	-0.109	74.49	16.42	1.28	892	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/20/2014 22:15	68887	15	171	3.506	128	12.58	5.148	122.5	7.962	7.475	118.9	5.199	21.04	21.14	20.95	0.104	-0.088	73.45	16.13	1.324	892	0
6/20/2014 22:30	68888	15	171	3.538	130.1	11.96	5.341	125.7	7.42	7.625	121.2	5.646	20.98	21.09	20.9	0.117	-0.071	74.63	16.32	1.32	892	0
6/20/2014 22:45	68889	15	171	3.547	134.1	13.36	5.356	128.3	8.81	7.937	125.7	6.008	21.09	21.21	21.04	0.116	-0.046	75.99	16.71	1.358	891	0
6/20/2014 23:00	68890	15	171	3.857	135.5	11.99	5.708	131	7.793	7.997	128.7	5.448	21.22	21.33	21.13	0.108	-0.087	77.08	17.06	1.449	891	0
6/20/2014 23:15	68891	15	171	3.346	142.4	12.27	5.163	137.2	6.923	7.2	133	5.546	21.17	21.31	21.14	0.137	-0.029	78.77	17.36	1.431	891	0
6/20/2014 23:30	68892	15	171	3.374	148.7	11.98	5.05	143.4	7.716	7.056	140	5.092	21.21	21.33	21.15	0.118	-0.06	79.51	17.54	1.306	891	0
6/20/2014 23:45	68893	15	171	2.393	153.1	11.78	3.801	146.8	7.523	5.908	141.8	4.563	21.03	21.19	21.06	0.163	0.03	80.5	17.56	1.127	891	0
6/21/2014 0:00	68894	15	172	1.929	153.8	12.85	3.007	147.8	8	4.856	140.5	5.069	20.89	21.09	20.98	0.205	0.093	81.8	17.68	0.992	891	0
6/21/2014 0:15	68895	15	172	1.637	155	11.39	2.701	147.7	7.028	4.511	139.8	5.408	20.75	21	20.93	0.251	0.184	82.9	17.76	0.965	891	0
6/21/2014 0:30	68896	15	172	1.684	150	12.71	2.964	144.2	7.384	4.893	139.7	4.627	20.7	21	20.98	0.298	0.276	83.1	17.74	0.995	891	0
6/21/2014 0:45	68897	15	172	2.075	148.4	11.37	3.461	143.6	6.829	5.373	140.5	4.783	20.68	20.99	20.98	0.309	0.293	82.2	17.55	1.092	891	0
6/21/2014 1:00	68898	15	172	2.687	140.3	12.26	4.18	136	7.514	6.415	132.7	4.507	20.64	20.88	20.86	0.244	0.219	82.3	17.53	1.259	891	0
6/21/2014 1:15	68899	15	172	3.375	138.4	11.59	5.164	134.6	7.104	7.428	132.7	4.469	20.68	20.84	20.71	0.162	0.03	81.9	17.5	1.443	890	0
6/21/2014 1:30	68900	15	172	2.689	149.2	12.62	4.067	143.9	8.12	6.217	139.2	5.387	20.48	20.67	20.54	0.194	0.064	82.5	17.41	1.179	890	0
6/21/2014 1:45	68901	15	172	2.259	151.2	12.22	3.676	146.4	8.07	5.8	141.7	5.359	20.24	20.49	20.43	0.249	0.194	83.9	17.44	1.061	890	0
6/21/2014 2:00	68902	15	172	2.514	153.7	12.56	3.874	148.4	8.56	5.776	144	5.53	20.31	20.53	20.45	0.219	0.135	83.7	17.48	1.185	890	0
6/21/2014 2:15	68903	15	172	2.71	150.2	12.64	4.233	145.4	8.91	6.242	142.4	6.032	20.48	20.6	20.44	0.116	-0.043	82.6	17.44	1.156	890	0
6/21/2014 2:30	68904	15	172	3.325	155	11.85	5.046	150.6	7.602	6.931	147.6	4.454	20.56	20.67	20.41	0.111	-0.147	80.5	17.11	1.179	890	0
6/21/2014 2:45	68905	15	172	2.391	146.7	11.73	3.774	142	8.29	5.499	138.8	5.725	20.25	20.39	20.21	0.143	-0.038	82.7	17.23	1.085	890	0
6/21/2014 3:00	68906	15	172	2.613	139.6	12.57	4.031	134.5	9.11	5.935	131.4	5.817	20.2	20.37	20.2	0.174	0.001	83.1	17.24	1.086	890	0
6/21/2014 3:15	68907	15	172	2.719	143.6	13.28	4.176	137.3	8.21	6.134	134.2	5.459	20.14	20.33	20.16	0.187	0.019	83	17.18	1.258	890	0
6/21/2014 3:30	68908	15	172	2.428	145.4	12.61	3.894	140.5	7.91	5.872	137	5.823	20	20.22	20.09	0.215	0.082	84.1	17.25	1.126	890	0
6/21/2014 3:45	68909	15	172	2.615	140.5	12.29	3.925	134.7	8.07	6.024	130.4	4.973	19.99	20.18	20.09	0.191	0.099	84.8	17.37	1.139	890	0
6/21/2014 4:00	68910	15	172	2.246	147.8	13.29	3.411	142.3	8.79	5.192	135.8	5.615	20.15	20.29	20.13	0.133	-0.023	84.5	17.48	1.082	890	0
6/21/2014 4:15	68911	15	172	2.226	155.4	13.21	3.43	148.6	9.45	4.879	142.4	5.844	20.38	20.44	20.19	0.058	-0.195	84.1	17.62	1.014	890	0
6/21/2014 4:30	68912	15	172	2.221	141	12.59	3.293	136.4	8.25	4.42	133	6.784	20.55	20.55	20.24	0	-0.307	83.7	17.72	0.872	890	0
6/21/2014 4:45	68913	15	172	2.447	143.3	11.33	3.676	138	6.732	4.895	133.7	4.673	20.62	20.62	20.29	-0.006	-0.335	83.2	17.69	1.295	890	0
6/21/2014 5:00	68914	15	172	2.424	132.4	12.82	3.485	128.4	9.33	4.551	124.2	7.817	20.62	20.61	20.28	-0.013	-0.344	83.3	17.71	4.812	890	0
6/21/2014 5:15	68915	15	172	2.724	135.4	15.27	4.006	130.5	11.19	5.101	128.3	7.77	20.57	20.54	20.18	-0.028	-0.386	83.2	17.63	19.5	890	0
6/21/2014 5:30	68916	15	172	2.785	130.7	12.22	4.011	126.8	7.552	5.273	124.3	4.193	20.39	20.31	19.93	-0.073	-0.453	83.7	17.54	41.78	890	0
6/21/2014 5:45	68917	15	172	2.523	132.9	12.3	3.836	129.5	8.06	4.994	126.9	4.795	20.43	20.33	19.94	-0.102	-0.484	83.6	17.57	81.3	890	0
6/21/2014 6:00	68918	15	172	2.885	143	13	4.145	136	8.04	5.168	132.4	4.389	20.5	20.34	19.91	-0.156	-0.588	82.9	17.51	97.5	890	0
6/21/2014 6:15	68919	15	172	2.356	146.7	14.38	3.543	139.5	10.19	4.383	132.9	7.938	20.53	20.35	19.9	-0.181	-0.625	83.4	17.63	120.8	891	0
6/21/2014 6:30	68920	15	172	2.914	141.1	14.03	4.033	135	9.37	4.966	129.5	7.23	20.66	20.4	19.89	-0.266	-0.77	82.4	17.58	115.1	891	0
6/21/2014 6:45	68921	15	172	2.972	127	13.39	4.22	122.6	8.82	4.992	119.9	5.96	20.78	20.42	19.88	-0.366	-0.905	81.8	17.57	151.8	891	0
6/21/2014 7:00	68922	15	172	3.06	132.5	13.38	4.227	127	9.32	5.205	124.7	7.02	20.96	20.52	19.92	-0.443	-1.043	80.6	17.53	190.9	891	0
6/21/2014 7:15	68923	15	172	2.697	154.4	13.08	3.721	148.4	8.13	4.359	140.2	6.375	21.12	20.64	20.06	-0.485	-1.062	79.53	17.46	192.8	891	0
6/21/2014 7:30	68924	15	172	2.457	150.2	14.41	3.311	143.1	10.53	3.894	140.5	8.49	21.18	20.75	20.26	-0.423	-0.917	78.84	17.37	158.2	891	0
6/21/2014 7:45	68925	15	172	2.369	151.8	14.27	3.319	146.1	10.34	3.953	140.1	8.81	21.44	20.98	20.45	-0.465	-0.989	77.37	17.33	184.8	891	0
6/21/2014 8:00	68926	15	172	2.535	148.4	17.02	3.4	144.6	13.06	3.908	140.5	10.22	21.68	21.22	20.69	-0.459	-0.986	75.2	17.11	209.3	891	0
6/21/2014 8:15	68927	15	172	2.197	139.3	18.14	2.86	134.7	14.47	3.579	133.3	12.14	22.09	21.59	21.06	-0.493	-1.025	73.34	17.11	302.8	891	0
6/21/2014 8:30	68928	15	172	2.796	124.2	18.31	3.818	121.1	14.12	4.459	117.8	10.84	22.61	21.89	21.26	-0.714	-1.348	70.64	17.02	436.2	891	0
6/21/2014 8:45	68929	15	172	2.91	126.7	17.64	4.004	122.4	12.21	4.716	119.7	8.92	22.73	21.96	21.31	-0.767	-1.42	69.4	16.86	424.2	891	0
6/21/2014 9:00	68930	15	172	2.783	108.6	17.69	3.634	104.5	12.3	4.213	103.2	10.18	22.81	22.08	21.48	-0.733	-1.327	68.53	16.73	387.8	891	0
6/21/2014 9:15	68931	15	172	2.92	114.4	16.52	3.773	110.7	11.37	4.372	110.1	9.09	22.96	22.25	21.59	-0.711	-1.377	66.87	16.5	397.8	891	0
6/21/2014 9:30	68932	15	172	3.134	126.9	19.56	4.277	121.6	14.56	4.992	118.6	11.56	23.37	22.51	21.83	-0.854	-1.541	65.47	16.55	531.5	891	0
6/21/2014 9:45	68933	15	172	3.812	127.4	14.49	5.22	123.1	10.32	6.229	118.2	6.711	23.34	22.3	21.46	-1.04	-1.88	68.18	17.15	577.6	891	0
6/21/2014 10:00	68934	15	172	3.815	120	15.16	5.084	115.6	11.67	5.776	109.4	7.861	23.64	22.34	21.51	-1.307	-2.127	67.14	17.2	885	891	0
6/21/2014 10:15	68935	15	172	3.117	111.3	24.69	4.014	108.6	17.82	4.823	105.9	13.51	24.29	22.93	22.07	-1.353	-2.221	64.55	17.2	1059	891	0
6/21/2014 10:30	68936	15	172	3.065	103.7	20.8	3.914	100.3	15.14	4.758	98.2	9.58	24.62	23.28	22.46	-1.337	-2.164	61.55	16.75	1148	890	0
6/21/2014 10:45	68937	15	172	2.808	107.1	25.68	3.486	104.8	20.82	4.148	100.5	18.7	24.99	23.73	22.81	-1.26	-2.172	59.41	16.54	1219	890	0
6/21/2014 11:00	68938	15	172	3.188	121.5	29.75	4.163	116.3	24.57	4.825	114	18.6	25.42	24.07	23.26	-1.359	-2.16	58.69	16.76	1011	890	0
6/21/2014 11:15	68939	15	172	3.089	112.9	26.69	4.025	111.5	22.84	4.677	105.1	17.81	25.57	24.39	23.63	-1.18	-1.939	58.06	16.73	1148	890	0
6/21/2014 11:30	68940	15	172	3.251	117.6	23.08	4.209	112.2	18.97	4.796	106.4	15.89	26.4	25.04	24.25	-1.357	-2.153	55.25	16.72	1229	889	0
6/21/2014 11:45	68941	15	172	3.336	130.4	20.68	4.599	124.2	15.24	5.535	115.5	13.39	27.34	25.73	24.79	-1.611	-2.548	53.59	17.11	1227	889	0
6/21/2014 12:00	68942	15	172	2.969	115.5	22.18	3.851	112.4	18.28	4.52	116	12.03	27.26	25.8	24.99	-1.463	-2.275	52.68	16.77	1270	889	0
6/21/2014 12:15	68943	15	172	2.77	131.5	26.12	3.523	125.7	18.38	4.072	119.9	19.62	27.66	26.22	25.39	-1.443	-2.269	51.68	16.84	1268	889	0
6/21/2014 12:30	68944	15	172	2.859	148.1	24.47	3.784	139.9	18.08	4.602	132.5	16.48	28.15	26.8	25.95	-1.351	-2.2	50.61	16.95	1264	889	0
6/21/2014 12:45	68945	15	172	3.113	139.2	25.32	4.095	133.3	17.04	4.808	127.8	17.26	28.47	26.99	26.12	-1.474	-2.349	49.57	16.92	1275	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/21/2014 13:00	68946	15	172	3.165	108.4	22.63	4.124	105.6	18.43	5.213	102.4	13.23	28.77	27.42	26.5	-1.357	-2.268	48.14	16.74	1212	888	0
6/21/2014 13:15	68947	15	172	3.237	114	24.52	4.385	108.4	19.94	5.121	107	15.18	29.2	27.7	26.89	-1.503	-2.314	45.76	16.33	1161	888	0
6/21/2014 13:30	68948	15	172	2.803	127.9	43.54	3.445	122.6	38.44	4.159	117	29.96	29.21	28.12	27.28	-1.097	-1.937	45.32	16.19	1104	888	0
6/21/2014 13:45	68949	15	172	3.039	123.2	23.2	3.923	115.5	20.5	4.544	106.9	17.14	29.84	28.67	27.77	-1.17	-2.069	43.26	16.02	1152	887	0
6/21/2014 14:00	68950	15	172	2.959	115.3	25.22	3.929	112.5	19.45	4.641	109.7	16.34	30.05	28.8	28.05	-1.253	-1.995	42.28	15.85	1079	887	0
6/21/2014 14:15	68951	15	172	3.591	104.3	22.26	4.773	103	19.18	5.51	104.7	18.12	30.65	29.36	28.51	-1.285	-2.137	40.31	15.64	988	887	0
6/21/2014 14:30	68952	15	172	3.24	93.2	20.14	4.163	92.6	17.57	4.677	94.6	13.9	30.45	29.37	28.64	-1.073	-1.809	39.43	15.12	869	887	0
6/21/2014 14:45	68953	15	172	3.158	114.8	24.3	4.277	112	22.22	5.129	112	18.15	30.78	29.76	29.06	-1.013	-1.717	38.33	14.97	834	887	0
6/21/2014 15:00	68954	15	172	2.829	143.2	32.72	3.658	138.4	28.86	4.289	134.4	18.4	31.02	29.93	29.19	-1.093	-1.833	37.5	14.85	993	887	0
6/21/2014 15:15	68955	15	172	3.051	131.9	24.82	4.021	127.4	21.64	4.782	125.7	19.58	31.21	30.22	29.44	-0.996	-1.773	36.66	14.67	817	886	0
6/21/2014 15:30	68956	15	172	3.238	139.3	29.06	4.407	134	24.79	5.147	127.8	20.54	31.33	30.3	29.46	-1.024	-1.865	36.11	14.54	840	886	0
6/21/2014 15:45	68957	15	172	3.458	130.9	22.56	4.735	125.8	19.69	5.528	120.4	16.71	31.11	30.22	29.53	-0.898	-1.584	36.15	14.37	674.3	886	0
6/21/2014 16:00	68958	15	172	3.119	127	21.35	4.135	124.2	17.21	4.705	120.3	16.77	30.99	30.27	29.62	-0.721	-1.373	36.07	14.23	588.2	886	0
6/21/2014 16:15	68959	15	172	3.103	132.8	15.15	4.269	129.7	10.98	5.256	124.9	11.28	30.7	30.16	29.5	-0.543	-1.202	37.3	14.48	410.4	886	0
6/21/2014 16:30	68960	15	172	3.156	137.4	17.58	4.537	133.2	13.17	5.486	128.2	13.55	30.38	30.02	29.46	-0.356	-0.915	38.16	14.55	324.5	886	0
6/21/2014 16:45	68961	15	172	3.163	127.6	19.09	4.563	123.3	15.47	5.604	119.8	12.92	30.15	29.95	29.44	-0.2	-0.703	38.2	14.37	238	886	0
6/21/2014 17:00	68962	15	172	3.006	130.6	13.57	4.292	127.3	10.21	5.241	126.7	10.14	30.01	29.9	29.45	-0.101	-0.555	38.79	14.48	198.3	886	0
6/21/2014 17:15	68963	15	172	2.675	140.1	13.97	3.93	135.4	10.44	4.893	131.2	8.06	29.89	29.88	29.45	-0.014	-0.443	39.01	14.47	179.8	886	0
6/21/2014 17:30	68964	15	172	2.872	146.6	15.66	4.259	141.9	12.23	5.228	139.4	8.94	29.72	29.78	29.37	0.057	-0.356	39.56	14.53	155.6	886	0
6/21/2014 17:45	68965	15	172	2.54	149.9	19.08	3.744	144.6	15.6	4.758	141.2	12.55	29.59	29.68	29.3	0.083	-0.292	40.27	14.69	141.5	886	0
6/21/2014 18:00	68966	15	172	2.181	154.7	12.36	3.206	147.9	7.778	4.083	144.2	6.332	29.64	29.74	29.36	0.096	-0.281	39.99	14.62	157.8	886	0
6/21/2014 18:15	68967	15	172	3.101	146	13.08	4.597	142.3	9.26	5.832	138.5	5.701	29.63	29.62	29.18	-0.015	-0.458	40.63	14.86	168.3	886	0
6/21/2014 18:30	68968	15	172	3.344	149.8	13.65	5.033	143.4	9.76	6.23	141.6	7.929	29.41	29.45	29.03	0.044	-0.376	41.35	14.93	137.9	886	0
6/21/2014 18:45	68969	15	172	3.323	153	11.42	4.965	146.9	7.49	6.626	143.6	4.901	29.01	29.18	28.85	0.163	-0.157	42.06	14.84	88.5	886	0
6/21/2014 19:00	68970	15	172	3.475	148.6	12.23	5.163	144.9	8.21	6.854	142	5.638	28.63	28.88	28.63	0.251	0.001	42.68	14.73	42.45	886	0
6/21/2014 19:15	68971	15	172	2.95	143.8	12.78	4.612	139.3	8.27	6.923	137.2	4.89	28.16	28.49	28.42	0.334	0.26	44.06	14.8	19.27	886	0
6/21/2014 19:30	68972	15	172	2.877	142.7	11.26	4.655	137.6	6.716	7.16	134	3.096	27.63	28.06	28.12	0.431	0.494	45.7	14.88	2.45	886	0
6/21/2014 19:45	68973	15	172	2.59	134.6	10.49	4.184	131.3	6.391	6.918	130.7	2.796	27.15	27.64	27.9	0.491	0.75	47.22	14.96	1.18	886	0
6/21/2014 20:00	68974	15	172	2.531	133.3	10.29	4.126	129.8	5.829	6.854	128.3	3.071	26.69	27.24	27.58	0.553	0.898	49.01	15.11	1.216	887	0
6/21/2014 20:15	68975	15	172	2.261	127.6	11.5	3.834	125.1	6.541	6.963	125.5	2.529	26.2	26.75	27.22	0.549	1.013	50.76	15.21	1.233	887	0
6/21/2014 20:30	68976	15	172	2.405	122.3	11.96	4.135	120.7	5.916	6.97	121.5	4.137	25.84	26.4	26.79	0.558	0.954	52.6	15.43	1.047	887	0
6/21/2014 20:45	68977	15	172	3.511	138.8	13.84	5.288	135	10.1	7.831	132.9	6.748	25.83	26.13	26.11	0.298	0.283	54.86	16.08	1.405	887	0
6/21/2014 21:00	68978	15	172	4.077	143.1	12.34	6.128	138.3	7.822	8.57	134.6	5.211	25.63	25.87	25.72	0.238	0.089	57.17	16.54	1.309	888	0
6/21/2014 21:15	68979	15	172	3.919	136.3	11.57	5.867	132.5	7.328	8.12	130.7	4.946	25.16	25.38	25.24	0.214	0.077	60.16	16.91	1.365	888	0
6/21/2014 21:30	68980	15	172	3.592	136.8	12.42	5.537	131.1	7.278	7.894	127.8	4.588	24.79	24.99	24.83	0.201	0.04	63.03	17.3	1.321	888	0
6/21/2014 21:45	68981	15	172	3.914	135	11.21	5.765	130.1	7.477	7.9	127.2	4.859	24.47	24.64	24.47	0.169	-0.002	64.59	17.38	1.347	888	0
6/21/2014 22:00	68982	15	172	3.806	139	11.7	5.861	133.2	6.892	7.937	128.8	4.617	24.15	24.32	24.13	0.17	-0.019	65.77	17.37	1.553	888	0
6/21/2014 22:15	68983	15	172	3.83	135.8	10.85	5.667	129.8	7.101	8.19	126.9	3.962	23.86	24.03	23.87	0.161	0.005	67.55	17.51	1.353	888	0
6/21/2014 22:30	68984	15	172	3.82	143.7	12.08	5.696	138.3	7.691	8.01	134.2	4.937	23.59	23.75	23.56	0.152	-0.032	69.66	17.74	1.332	888	0
6/21/2014 22:45	68985	15	172	4.401	147.5	11.94	6.571	141.8	7.207	9.05	137.5	5.021	23.41	23.53	23.29	0.116	-0.121	71.9	18.07	1.478	888	0
6/21/2014 23:00	68986	15	172	4.3	142.9	11.94	6.481	137.4	7.411	9.02	133.6	4.883	23.1	23.22	22.98	0.118	-0.123	73.5	18.12	1.505	888	0
6/21/2014 23:15	68987	15	172	4.039	140	12.31	5.999	135.2	7.809	8.29	131	4.945	22.77	22.89	22.67	0.118	-0.102	75.22	18.17	1.381	888	0
6/21/2014 23:30	68988	15	172	4.186	137.6	11.94	5.985	133.2	8.13	8.42	129	5.282	22.5	22.59	22.35	0.091	-0.149	76.58	18.2	1.435	888	0
6/21/2014 23:45	68989	15	172	3.905	140.6	12.35	5.93	134.8	7.861	8.05	130.2	5.611	22.17	22.27	22.02	0.103	-0.152	78.8	18.33	1.394	888	0
6/22/2014 0:00	68990	15	173	4.239	134.4	11.92	6.195	129.7	7.255	8.3	126.3	4.807	21.82	21.88	21.6	0.067	-0.213	80.7	18.37	1.48	887	0
6/22/2014 0:15	68991	15	173	3.963	131.8	11.58	5.853	128.4	6.737	8.09	125.2	4.623	21.48	21.55	21.29	0.065	-0.198	82.3	18.35	1.464	887	0
6/22/2014 0:30	68992	15	173	4.213	138.9	12.5	6.217	133.3	7.825	8.28	128.4	5.429	21.27	21.33	21.05	0.058	-0.225	83.8	18.44	1.489	887	0
6/22/2014 0:45	68993	15	173	3.321	139.1	10.99	4.921	133.9	8.25	7.094	128.7	5.113	20.99	21.07	20.81	0.076	-0.181	85.5	18.48	1.087	887	0
6/22/2014 1:00	68994	15	173	3.182	144.1	11.98	4.966	138.1	7.785	7.137	133.2	5.632	20.81	20.9	20.66	0.091	-0.152	86.7	18.53	1.342	887	0
6/22/2014 1:15	68995	15	173	2.926	143.7	12.23	4.372	138	7.763	6.328	133.4	5.458	20.64	20.73	20.51	0.085	-0.135	87.8	18.57	1.038	887	0
6/22/2014 1:30	68996	15	173	2.982	142.8	13.33	4.606	137.3	9.27	6.687	132.3	4.829	20.51	20.61	20.41	0.1	-0.094	88.6	18.57	1.189	887	0
6/22/2014 1:45	68997	15	173	2.248	180.6	18.31	3.374	170.9	17.61	4.961	158.4	13.89	20.29	20.42	20.19	0.137	-0.096	89.7	18.56	0.92	887	0
6/22/2014 2:00	68998	15	173	1.789	188.5	14.75	2.726	180.1	12.5	4.337	169.9	8.68	20.09	20.24	20.04	0.148	-0.049	90.8	18.55	1.029	887	0
6/22/2014 2:15	68999	15	173	1.287	190.4	17.38	1.985	189.4	13.93	2.945	176.7	11.84	20	20.18	19.95	0.185	-0.048	91.3	18.55	0.747	887	0
6/22/2014 2:30	69000	15	173	1.397	182.6	13.46	2.385	182	9.7	3.601	176.6	9.14	19.76	20.02	19.85	0.255	0.087	92.5	18.52	0.796	887	0
6/22/2014 2:45	69001	15	173	1.742	174.9	10.01	2.744	170.7	6.259	4.137	164.1	4.26	19.67	19.88	19.73	0.211	0.064	93.4	18.59	0.904	887	0
6/22/2014 3:00	69002	15	173	1.687	179	13.75	2.664	172.7	9.37	4.07	163.1	6.172	19.68	19.83	19.64	0.15	-0.04	93.7	18.66	0.925	887	0
6/22/2014 3:15	69003	15	173	1.656	164.4	11.88	2.505	159.6	10.05	3.94	155.5	7.67	19.69	19.76	19.55	0.072	-0.139	94.1	18.74	0.933	887	0
6/22/2014 3:30	69004	15	173	1.793	140	12.75	2.888	135.7	8.61	4.134	133.8	7.278	19.72	19.77	19.49	0.047	-0.227	94.2	18.78	0.917	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/22/2014 3:45	69005	15	173	1.845	137.1	14.04	2.971	129.8	8.52	4.854	125.2	3.706	19.56	19.66	19.47	0.096	-0.094	94.6	18.68	1.036	887	0
6/22/2014 4:00	69006	15	173	1.579	150.7	16.61	2.409	140.6	12.16	4.322	129.1	6.395	19.48	19.56	19.36	0.079	-0.115	95.1	18.69	0.96	887	0
6/22/2014 4:15	69007	15	173	1.396	145.2	14.49	2.255	138.1	10.53	4.064	128.9	4.789	19.38	19.48	19.29	0.095	-0.098	95.5	18.66	1.005	887	0
6/22/2014 4:30	69008	15	173	1.719	123.4	13.5	2.846	118.5	8.78	4.903	115	5.211	19.38	19.47	19.35	0.092	-0.03	95.9	18.72	0.877	887	0
6/22/2014 4:45	69009	15	173	2.644	116.5	11.46	4.129	112.1	6.909	6.098	112.6	4.268	19.56	19.62	19.53	0.068	-0.03	95.5	18.84	2.289	887	0
6/22/2014 5:00	69010	15	173	2.709	127.3	13.43	4.126	122.5	9.03	6.266	119.9	5.425	19.48	19.51	19.34	0.032	-0.133	95.6	18.76	9.05	887	0
6/22/2014 5:15	69011	15	173	2.56	129.7	14.36	3.904	124.3	8	5.927	121.8	4.45	19.53	19.52	19.29	-0.013	-0.238	95.7	18.84	28.86	887	0
6/22/2014 5:30	69012	15	173	2.644	113.8	12.6	3.887	111.1	8.29	5.389	111.4	6	19.71	19.6	19.33	-0.104	-0.379	95.1	18.92	73.77	887	0
6/22/2014 5:45	69013	15	173	2.374	120.4	13.95	3.536	115.9	8.67	4.857	111.5	6.011	19.96	19.72	19.33	-0.242	-0.632	94.4	19.06	141.2	887	0
6/22/2014 6:00	69014	15	173	2.539	117.5	13.42	3.698	111.8	9.42	4.938	109.9	5.958	20.4	20.04	19.57	-0.361	-0.833	92.5	19.17	197.8	887	0
6/22/2014 6:15	69015	15	173	2.766	117.4	13.69	3.953	112.3	7.836	4.895	109.1	5.961	20.71	20.32	19.82	-0.39	-0.895	90.4	19.09	203.3	887	0
6/22/2014 6:30	69016	15	173	2.555	120	17.95	3.541	116.1	12.67	4.231	115.4	8.42	21.23	20.73	20.18	-0.498	-1.053	88	19.17	262.3	888	0
6/22/2014 6:45	69017	15	173	2.593	127.7	14.49	3.585	122.5	9.06	4.071	123.9	7.801	21.84	21.24	20.65	-0.597	-1.185	85	19.23	299.8	888	0
6/22/2014 7:00	69018	15	173	2.687	132.5	15.01	3.614	128.9	9.99	4.104	124.9	6.999	22.22	21.6	21.06	-0.622	-1.166	82.6	19.13	358.9	887	0
6/22/2014 7:15	69019	15	173	2.305	135.9	18.13	3.194	132.2	15.18	3.815	130.6	10.21	23.1	22.34	21.64	-0.761	-1.461	79.05	19.29	433.9	887	0
6/22/2014 7:30	69020	15	173	2.837	147.9	17.22	3.798	142.4	13.83	4.283	134.2	9.57	23.78	22.92	22.29	-0.858	-1.486	75.32	19.17	547.5	887	0
6/22/2014 7:45	69021	15	173	2.833	144.2	17.24	3.805	139.8	12.48	4.437	136.1	8.9	24.52	23.63	22.94	-0.893	-1.582	71.91	19.14	609.7	887	0
6/22/2014 8:00	69022	15	173	2.286	142.7	17.93	3.184	138.3	13.41	3.806	131.5	11.23	25.27	24.38	23.74	-0.891	-1.529	68.55	19.09	666.5	887	0
6/22/2014 8:15	69023	15	173	2.063	141.7	30.37	2.567	136.8	20.92	2.939	136.4	13.95	25.77	24.98	24.4	-0.796	-1.379	65.69	18.88	725.2	887	0
6/22/2014 8:30	69024	15	173	1.797	151.2	29.32	2.329	145.8	21.88	2.498	150.1	17.56	26.39	25.64	25.1	-0.75	-1.288	62.55	18.68	784.4	887	0
6/22/2014 8:45	69025	15	173	2.217	175.9	25.42	2.788	168.6	21.53	3.185	157	15.3	27.34	26.54	25.9	-0.795	-1.436	59.47	18.76	837	887	0
6/22/2014 9:00	69026	15	173	2.647	173.3	19.1	3.466	168	15.21	4.189	164.7	13.41	28.53	27.58	26.84	-0.949	-1.686	53.13	18.07	892	887	0
6/22/2014 9:15	69027	15	173	2.61	208	34.23	3.267	204	35.12	3.69	200.1	30.65	29.05	28.26	27.52	-0.783	-1.524	47.93	16.91	941	887	0
6/22/2014 9:30	69028	15	173	2.729	240.2	22.17	3.451	235.8	19.57	3.947	230.7	15.75	29.43	28.58	27.85	-0.854	-1.583	46.36	16.75	983	887	0
6/22/2014 9:45	69029	15	173	2.567	215.3	30.07	3.28	207.3	27.01	3.75	201.3	24.2	29.68	28.81	28.14	-0.874	-1.541	45.36	16.63	1030	887	0
6/22/2014 10:00	69030	15	173	2.362	195.8	35.38	3.022	187.8	30.91	3.854	183.6	21.9	30.41	29.42	28.64	-0.981	-1.765	42.84	16.38	1070	887	0
6/22/2014 10:15	69031	15	173	2.506	159.3	39.27	3.082	162.6	32.1	3.578	171.3	25.7	30.79	29.82	29	-0.974	-1.788	41.71	16.3	1107	887	0
6/22/2014 10:30	69032	15	173	2.554	163.5	45.89	3.099	162.4	41.13	3.447	160.9	33.89	31.07	30.01	29.24	-1.057	-1.83	39.62	15.75	1138	886	0
6/22/2014 10:45	69033	15	173	1.635	166.4	62.94	2.065	156.8	54.96	2.236	168.2	37.75	31.38	30.64	29.88	-0.741	-1.506	37.51	15.18	1168	886	0
6/22/2014 11:00	69034	15	173	2.382	193.3	28.85	2.913	185.2	22.73	3.396	181.1	19.11	31.88	30.9	30.14	-0.975	-1.732	36.12	15.02	1190	886	0
6/22/2014 11:15	69035	15	173	1.92	161	45.8	2.507	160.2	35.68	3.015	158.3	24.24	32.69	31.76	30.79	-0.93	-1.901	34.63	15.08	1210	886	0
6/22/2014 11:30	69036	15	173	1.921	157.5	40.83	2.282	154.6	42.9	2.723	159.1	51.09	32.8	31.82	31.04	-0.978	-1.757	33.96	14.87	1225	886	0
6/22/2014 11:45	69037	15	173	2.195	203	49.07	2.649	202.2	45.14	2.991	188.5	37.41	32.96	32.13	31.41	-0.826	-1.554	32.49	14.32	1233	886	0
6/22/2014 12:00	69038	15	173	1.26	4.005	87.5	1.502	342.5	82.7	1.627	340.2	91.5	33.28	32.62	31.86	-0.668	-1.42	30.53	13.65	1235	886	0
6/22/2014 12:15	69039	15	173	1.669	244.5	40.24	2.157	237	31.27	2.435	232.5	32.83	33.9	33.11	32.47	-0.787	-1.431	30.11	13.96	1236	885	0
6/22/2014 12:30	69040	15	173	1.913	258.6	36.04	2.404	254.2	35.04	2.7	241.3	23.96	33.93	33.19	32.5	-0.733	-1.423	29.05	13.43	1225	885	0
6/22/2014 12:45	69041	15	173	1.932	215.2	51.25	2.315	221.3	53.08	2.705	219.9	38.55	34.14	33.49	32.79	-0.654	-1.351	28.52	13.33	1221	885	0
6/22/2014 13:00	69042	15	173	1.828	147.6	65.54	2.152	150.6	64.8	2.299	163.6	66.42	34.31	33.53	32.91	-0.781	-1.398	27.47	12.91	1101	885	0
6/22/2014 13:15	69043	15	173	0.796	293.9	91.5	0.719	311.8	81	0.837	278.4	78.27	33.79	33.62	33.1	-0.167	-0.688	27.35	12.39	584.9	885	0
6/22/2014 13:30	69044	15	173	1.774	171.5	36.46	2.338	165	29.07	2.745	148	16.46	33.77	33.62	33.21	-0.145	-0.559	27.35	12.38	392.5	885	0
6/22/2014 13:45	69045	15	173	2.119	140.4	26.95	2.967	134.9	23.22	3.319	135.3	20.32	34.25	33.86	33.31	-0.394	-0.944	27.27	12.75	585.7	884	0
6/22/2014 14:00	69046	15	173	2.233	175.9	39.76	2.876	169.6	33.81	3.474	161	24.07	34.7	34.28	33.58	-0.421	-1.126	26.07	12.44	799.2	885	0
6/22/2014 14:15	69047	15	173	2.106	198.4	26.67	2.706	194.8	19.63	3.177	196.3	15.25	34.64	34.26	33.62	-0.382	-1.016	25.93	12.3	788.8	885	0
6/22/2014 14:30	69048	15	173	2.284	179.1	30.26	2.888	173.9	26.99	3.465	170.4	22.87	34.95	34.41	33.74	-0.538	-1.211	25.79	12.48	935	884	0
6/22/2014 14:45	69049	15	173	2.354	202.3	38.25	2.932	195.6	27.29	3.401	191.3	19.22	35.21	34.57	33.83	-0.641	-1.388	24.57	11.97	1079	884	0
6/22/2014 15:00	69050	15	173	2.218	166.5	78.73	2.654	148.2	65.25	3.117	160.4	44.38	35.48	34.73	34.06	-0.748	-1.416	24.02	11.84	1035	884	0
6/22/2014 15:15	69051	15	173	2.307	241.7	36.58	3.153	237.1	33.42	3.651	234.8	25.59	35.17	34.65	34.03	-0.519	-1.131	24.03	11.59	570.4	884	0
6/22/2014 15:30	69052	15	173	1.319	345.6	86.1	1.492	327.9	76.02	1.898	242.2	77	34.72	34.57	34.14	-0.143	-0.574	23.9	11.13	264.6	884	0
6/22/2014 15:45	69053	15	173	1.189	154.2	24.64	1.668	148.5	20.15	2.15	151.4	16.03	34.28	34.51	34.12	0.225	-0.161	25.38	11.67	228	884	0
6/22/2014 16:00	69054	15	173	1.389	179.7	20.86	2.012	175.8	19.12	2.623	173.5	14.46	34.22	34.54	34.16	0.324	-0.059	25.59	11.75	256.3	884	0
6/22/2014 16:15	69055	15	173	1.525	186.4	27.52	1.915	184.8	22.24	2.223	174.3	19.04	35.01	34.89	34.4	-0.123	-0.61	24.18	11.54	729.1	884	0
6/22/2014 16:30	69056	15	173	1.54	170.8	51.39	2.043	167.1	38.13	2.361	157.6	28.94	35.25	35.06	34.59	-0.199	-0.662	22.72	10.82	608.1	883	0
6/22/2014 16:45	69057	15	173	1.809	199.8	40.99	2.369	193.9	36.53	2.85	190.9	32.32	35.4	35.19	34.63	-0.211	-0.763	23.09	11.17	586.4	883	0
6/22/2014 17:00	69058	15	173	1.954	207.7	40.85	2.619	202.9	40.92	3.016	194	33.38	35.49	35.42	34.83	-0.072	-0.666	21.37	10.1	483.9	883	0
6/22/2014 17:15	69059	15	173	2.174	201.6	18.6	2.935	198	15.43	3.484	195.2	14.28	34.85	35.25	34.86	0.398	0.007	21.58	9.71	239.5	883	0
6/22/2014 17:30	69060	15	173	1.782	239.1	17.39	2.508	235.3	15.06	2.983	232.2	11.1	34.98	35.27	34.87	0.287	-0.108	20.52	9.07	315.8	883	0
6/22/2014 17:45	69061	15	173	1.638	248.2	19.11	2.372	241.6	16.44	2.719	232.4	15.36	35.1	35.29	34.87	0.19	-0.226	20.06	8.83	264.5	883	0
6/22/2014 18:00	69062	15	173	1.768	195.2	18.33	2.91	189.6	14.37	3.769	185.1	11.48	34.01	34.98	34.85	0.972	0.837	22.68	9.75	173.1	883	0
6/22/2014 18:15	69063	15	173	1.647	175.2	16.51	2.657	175.4	16.01	3.552	173.5	13.31	34.11	34.97	34.84	0.859	0.73	22.84	9.95	170	883	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/22/2014 18:30	69064	15	173	1.521	168.8	11.44	2.692	169.1	7.893	4.113	170.4	4.921	33.57	34.73	34.8	1.161	1.234	24.22	10.37	123.8	883	0
6/22/2014 18:45	69065	15	173	1.057	144.8	16.79	2.271	152.8	11.39	3.633	161.1	3.563	32.92	34.38	34.77	1.456	1.845	26.81	11.34	66.05	883	0
6/22/2014 19:00	69066	15	173	1.096	133.6	7.195	2.369	147.2	5.093	3.74	149.7	10.2	32.14	34.26	34.72	2.115	2.584	30.42	12.61	18.18	883	0
6/22/2014 19:15	69067	15	173	1.613	136.9	12.06	3.47	134.7	9.48	5.814	139.8	6.073	30.95	33.14	34.49	2.187	3.532	31.83	12.26	3.279	884	0
6/22/2014 19:30	69068	15	173	5.356	149	12.13	8.31	143.4	8	11.47	140.9	6.028	31.45	32.13	32.17	0.68	0.725	36.1	14.5	1.804	884	0
6/22/2014 19:45	69069	15	173	5.137	148.6	12.3	7.847	143.3	7.495	11.35	140.6	4.568	30.47	30.9	31.15	0.425	0.681	42.76	16.41	1.892	884	0
6/22/2014 20:00	69070	15	173	4.318	150.2	11.93	6.581	145.2	7.578	9.47	140.9	5.042	30.19	30.64	30.71	0.445	0.52	43.46	16.41	1.561	884	0
6/22/2014 20:15	69071	15	173	5.399	146.1	12.13	8.28	140.6	8.08	11.5	137.5	5.67	30.15	30.41	30.31	0.261	0.164	44.62	16.79	1.811	885	0
6/22/2014 20:30	69072	15	173	5.779	136.4	11.89	8.47	131.7	8.08	11.48	127.8	5.403	29.75	29.95	29.77	0.205	0.02	46.7	17.14	1.784	885	0
6/22/2014 20:45	69073	15	173	4.948	133.1	11.61	7.336	129.2	7.719	10.02	125	5.024	29.18	29.42	29.26	0.239	0.085	48.81	17.33	1.414	885	0
6/22/2014 21:00	69074	15	173	5.353	143.3	12.51	7.814	138.1	8.08	10.43	133.3	5.97	28.67	28.88	28.71	0.212	0.036	51.05	17.57	1.583	885	0
6/22/2014 21:15	69075	15	173	4.987	151.4	12.44	7.531	145.6	8.02	10.46	141.9	5.502	28.21	28.43	28.27	0.218	0.057	53.2	17.8	1.694	885	0
6/22/2014 21:30	69076	15	173	4.986	162.6	11.9	7.263	155.8	9.29	10.03	150.8	7.199	27.81	28.02	27.88	0.212	0.069	54.91	17.93	1.445	885	0
6/22/2014 21:45	69077	15	173	5.341	162.7	13.87	7.726	157.7	9.17	10.16	153.9	6.921	27.47	27.66	27.46	0.188	-0.012	56.9	18.19	1.702	885	0
6/22/2014 22:00	69078	15	173	4.99	161.7	11.46	7.234	156.3	7.85	9.65	150.6	5.92	27.05	27.24	27.04	0.191	-0.003	59.64	18.54	1.533	885	0
6/22/2014 22:15	69079	15	173	4.391	157.7	12.07	6.359	152.3	8.08	8.69	149.5	5.445	26.59	26.8	26.61	0.21	0.019	62.28	18.8	1.521	885	0
6/22/2014 22:30	69080	15	173	3.949	155.9	12.89	5.908	149.7	8.75	8.23	146.9	6.331	26.17	26.39	26.21	0.217	0.041	64.86	19.06	1.325	885	0
6/22/2014 22:45	69081	15	173	3.939	154.7	12.52	5.941	149.5	8.09	8.41	146.3	5.435	25.76	25.98	25.85	0.222	0.084	67.3	19.26	1.516	884	0
6/22/2014 23:00	69082	15	173	4.672	155.9	11.86	6.884	150	8.03	9.37	146.8	5.749	25.49	25.66	25.48	0.179	-0.01	69.23	19.45	1.496	884	0
6/22/2014 23:15	69083	15	173	4.102	158.8	12.31	6.089	153.3	8.42	8.51	150	5.372	25.11	25.32	25.14	0.201	0.03	71.12	19.53	1.452	884	0
6/22/2014 23:30	69084	15	173	3.384	159.6	11.49	5.059	154.3	7.585	7.062	151.3	4.815	24.76	24.97	24.83	0.211	0.079	73.1	19.63	1.324	885	0
6/22/2014 23:45	69085	15	173	2.86	161.3	11.52	4.387	154.4	7.671	6.554	151.8	5.161	24.46	24.65	24.57	0.194	0.116	74.72	19.69	1.184	885	0
6/23/2014 0:00	69086	15	174	3.189	161.5	13.25	4.832	155.9	8.37	7.091	153.9	4.939	24.41	24.55	24.4	0.134	-0.012	75.29	19.77	1.186	885	0
6/23/2014 0:15	69087	15	174	3.72	321.1	66.9	5.178	311.8	68.57	6.398	293.3	75.63	25.23	25.23	24.98	0.006	-0.244	72.31	19.89	1.182	886	0
6/23/2014 0:30	69088	15	174	2.509	8.54	34.06	3.715	2.269	32.08	4.694	354	31.95	25.49	25.63	25.41	0.139	-0.073	69.75	19.57	0.853	886	0
6/23/2014 0:45	69089	15	174	1.565	65.97	40.94	2.552	49.03	31.35	4.004	29.72	19.5	25.13	25.34	25.35	0.21	0.222	70.97	19.51	0.732	886	0
6/23/2014 1:00	69090	15	174	1.306	85	49.26	2.269	84.5	33.12	3.213	64.58	21.79	24.34	24.77	25.14	0.431	0.797	75.44	19.73	0.717	886	0
6/23/2014 1:15	69091	15	174	0.888	69.1	42.82	1.555	59.09	23.77	2.593	54.6	13.07	23.44	24.22	24.74	0.787	1.302	79.89	19.78	0.64	886	0
6/23/2014 1:30	69092	15	174	0.961	56.71	36.52	2.017	50.28	20.04	2.985	57.43	16.26	22.57	23.89	24.35	1.324	1.786	84	19.75	0.706	885	0
6/23/2014 1:45	69093	15	174	1.792	85.8	15.05	3.547	85.2	9.29	4.262	86.1	7.491	22.4	23.68	24.62	1.286	2.226	85.3	19.83	0.731	885	0
6/23/2014 2:00	69094	15	174	2.711	88.5	11.02	4.436	87.2	6.529	6.749	85.8	3.588	22.84	23.34	24.57	0.505	1.736	79.56	19.13	1.092	885	0
6/23/2014 2:15	69095	15	174	2.375	83.7	13.33	3.861	82.9	8.97	7.51	87.5	4.949	22.72	23.1	24.36	0.383	1.637	77.02	18.5	1.268	885	0
6/23/2014 2:30	69096	15	174	1.948	103	16.9	3.292	99.6	12.07	6.034	102.8	5.655	22.41	22.86	23.67	0.446	1.266	80.2	18.85	1.076	885	0
6/23/2014 2:45	69097	15	174	1.946	136.8	13.93	3.42	128	9.98	6.902	117.5	6.336	22.21	22.61	23.35	0.401	1.141	83.9	19.38	1.268	885	0
6/23/2014 3:00	69098	15	174	2.793	112.8	13.51	4.459	110	9.42	7.923	110.9	5.081	22.01	22.26	22.88	0.244	0.871	87	19.76	1.205	885	0
6/23/2014 3:15	69099	15	174	3.04	103.7	12.76	4.655	101.1	9.58	7.855	100.7	6.338	22.22	22.41	22.7	0.185	0.471	86.9	19.95	1.252	885	0
6/23/2014 3:30	69100	15	174	2.538	78.41	13.28	3.964	76.74	10.2	6.599	82.5	6.356	22.31	22.55	22.77	0.241	0.465	85.8	19.82	1.2	885	0
6/23/2014 3:45	69101	15	174	3.006	93.2	13.54	4.582	89.6	11.26	7.456	88.5	7.014	22.33	22.54	22.69	0.205	0.362	86	19.89	1.153	886	0
6/23/2014 4:00	69102	15	174	2.878	106.9	14.42	4.376	104.6	9.85	6.408	99.7	5.931	22.42	22.59	22.48	0.17	0.058	85.6	19.9	0.988	886	0
6/23/2014 4:15	69103	15	174	1.576	42.84	20.44	2.509	42.76	13.91	3.571	59	12.15	22.31	22.48	22.37	0.172	0.061	86.3	19.94	0.771	887	0
6/23/2014 4:30	69104	15	174	1.674	50.64	17.45	3.075	47.33	10.31	4.586	54.84	7.88	22.07	22.44	22.65	0.37	0.578	87.7	19.95	0.994	887	0
6/23/2014 4:45	69105	15	174	2.872	70.57	14.52	4.323	67.61	10.35	6.162	66.7	7.761	22.73	23.08	23.26	0.346	0.53	83.4	19.78	1.398	887	0
6/23/2014 5:00	69106	15	174	3.363	59.17	14.28	5.184	55.5	10.24	7.61	56.74	7.522	22.6	22.8	22.77	0.193	0.163	82.5	19.48	3.833	888	0
6/23/2014 5:15	69107	15	174	5.366	65.01	12.49	7.845	61.18	9.05	10.66	58.91	7.252	21.63	21.74	21.59	0.106	-0.041	67.87	15.42	14.77	888	0
6/23/2014 5:30	69108	15	174	5.49	56.7	12.84	8.39	53.22	8.31	11.67	50.57	6.132	20.74	20.76	20.52	0.014	-0.229	67.6	14.55	33.31	888	0
6/23/2014 5:45	69109	15	174	5.104	48.81	13.29	7.736	44.61	7.917	10.78	42.34	5.572	20.76	20.66	20.35	-0.097	-0.405	68.7	14.82	103.6	888	0
6/23/2014 6:00	69110	15	174	4.959	47.66	13.72	7.589	43.54	8.85	10.48	42.38	6.03	20.87	20.65	20.22	-0.213	-0.642	69.91	15.19	155.9	889	0
6/23/2014 6:15	69111	15	174	4.945	52.54	13.65	7.289	49.59	9.27	9.62	46.78	7.057	21.05	20.81	20.35	-0.241	-0.701	71.09	15.63	157.6	889	0
6/23/2014 6:30	69112	15	174	5.236	58.57	13.27	7.786	55.51	9.5	10.32	54.83	6.757	21.56	21.2	20.66	-0.363	-0.905	70.37	15.96	267.8	889	0
6/23/2014 6:45	69113	15	174	6.353	71.02	12.08	8.88	67.34	8.12	11.37	64.09	5.592	21.89	21.47	20.84	-0.427	-1.05	68.76	15.91	340.8	889	0
6/23/2014 7:00	69114	15	174	5.695	61.88	14.71	8.19	58.35	10.3	10.46	56.94	7.342	22.15	21.61	20.97	-0.542	-1.179	68.66	16.13	404.8	890	0
6/23/2014 7:15	69115	15	174	4.388	57.84	14.85	6.268	54.85	10.26	7.557	54.03	7.257	22.48	21.81	21.13	-0.673	-1.354	66.82	16.03	475.5	891	0
6/23/2014 7:30	69116	15	174	3.816	71.05	19.14	5.152	67.18	14.61	6.226	64.88	13.16	22.94	22.13	21.41	-0.811	-1.526	65.99	16.26	529.9	891	0
6/23/2014 7:45	69117	15	174	4.606	85.1	14.44	6.136	81.5	9.88	7.541	78.75	7.36	23.29	22.42	21.61	-0.87	-1.676	64.21	16.17	594.9	890	0
6/23/2014 8:00	69118	15	174	4.094	91.5	15.84	5.663	88.4	12.18	6.834	86.7	8.99	23.57	22.58	21.84	-0.99	-1.731	63.34	16.22	659.2	890	0
6/23/2014 8:15	69119	15	174	3.547	99.8	20.49	4.815	94.8	16.03	5.797	91.8	11.79	24.32	23.28	22.39	-1.045	-1.931	62	16.6	712.3	891	0
6/23/2014 8:30	69120	15	174	4.248	110.8	16.25	5.786	106	12.04	6.518	101.8	8.22	24.35	23.16	22.36	-1.186	-1.99	63.06	16.89	749.1	891	0
6/23/2014 8:45	69121	15	174	3.791	103.9	21.31	5.116	99.3	17.6	6.067	93.4	12.01	24.7	23.55	22.7	-1.152	-2.001	63.78	17.4	739.9	891	0
6/23/2014 9:00	69122	15	174	3.653	100.7	19.16	4.848	96.9	14.42	5.436	93.1	10.22	24.72	23.57	22.84	-1.15	-1.883	63.47	17.34	720.1	891	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/23/2014 9:15	69123	15	174	3.17	113.3	16.81	4.256	111.2	14.94	4.948	106.7	12.9	25.21	24.02	23.24	-1.192	-1.965	62.79	17.63	869	891	0
6/23/2014 9:30	69124	15	174	3.768	133	23.89	4.972	126.1	18.62	5.633	121.8	13.14	25.68	24.39	23.52	-1.288	-2.154	62.31	17.95	971	891	0
6/23/2014 9:45	69125	15	174	3.304	133.8	18.57	4.35	130.5	14.6	4.948	125	12.77	26.15	24.65	23.84	-1.503	-2.304	60.02	17.8	1010	891	0
6/23/2014 10:00	69126	15	174	3.062	122.8	17.32	4.159	120.4	14.88	4.971	122.7	11.97	26.94	25.39	24.49	-1.546	-2.446	57.78	17.93	1051	891	0
6/23/2014 10:15	69127	15	174	2.598	156.9	38.51	3.242	149.4	35.27	3.997	141.9	22.38	26.99	25.82	25.02	-1.172	-1.974	57.3	17.85	1080	891	0
6/23/2014 10:30	69128	15	174	1.705	135.5	51.14	2.043	137.4	51.13	2.505	152.4	37.71	27.37	26.35	25.66	-1.023	-1.713	56.33	17.93	1160	890	0
6/23/2014 10:45	69129	15	174	1.726	191	85.1	2.112	179.3	84.6	2.351	169.9	51.62	27.46	26.47	25.76	-0.986	-1.699	55.22	17.7	980	890	0
6/23/2014 11:00	69130	15	174	1.379	185.4	68.18	1.608	174.6	62.56	1.933	144.2	41.98	27.42	26.89	26.3	-0.527	-1.119	54.09	17.33	1121	890	0
6/23/2014 11:15	69131	15	174	1.345	357.5	85.3	1.479	11.91	93.5	1.529	48.56	73.39	28.35	27.57	26.91	-0.781	-1.438	51.17	17.31	1212	890	0
6/23/2014 11:30	69132	15	174	1.742	91.7	72.06	2.189	83.8	64.24	2.52	73.36	50.76	29.03	28.05	27.3	-0.982	-1.728	47.42	16.73	1224	890	0
6/23/2014 11:45	69133	15	174	1.466	111.1	77.37	2.002	99	69.25	2.276	105	64.31	29.2	28.31	27.49	-0.886	-1.705	46.95	16.73	847	890	0
6/23/2014 12:00	69134	15	174	1.714	26.92	49.11	2.252	22.64	42.43	2.85	31.03	38.68	29.21	28.43	27.83	-0.774	-1.379	47.61	16.96	817	890	0
6/23/2014 12:15	69135	15	174	1.807	70.27	71.26	2.278	66.2	71.05	2.612	68.05	52.51	29.53	28.82	28.15	-0.716	-1.379	45.65	16.59	880	890	0
6/23/2014 13:00	69138	15	174	2.452	80.6	35.46	2.947	76.56	34.22	3.717	71.5	29.78	30.61	29.68	29.01	-0.934	-1.6	40.44	15.66	1131	889	0
6/23/2014 13:15	69139	15	174	2.348	75.01	51.25	2.862	72.22	42.95	3.339	65.68	27.3	31.32	30.03	29.18	-1.297	-2.146	39.45	15.91	1176	889	0
6/23/2014 13:30	69140	15	174	2.853	102.1	40.79	3.621	100.2	33.88	4.337	100.2	18.93	31.47	30.21	29.33	-1.258	-2.146	38.78	15.77	1006	889	0
6/23/2014 13:45	69141	15	174	2.526	118.2	35.67	3.198	108.8	34.01	3.949	104.1	31.54	31.34	30.46	29.58	-0.878	-1.762	38.91	15.71	848	889	0
6/23/2014 14:00	69142	15	174	1.872	137.5	57.97	2.306	135.5	57.51	3.083	133.2	49.22	31.49	30.63	29.85	-0.859	-1.634	38.72	15.76	1061	889	0
6/23/2014 14:15	69143	15	174	1.695	167.5	49	2.051	159.1	47.37	2.215	151.2	36.24	31.88	30.99	30.24	-0.887	-1.639	36.58	15.22	1099	888	0
6/23/2014 14:30	69144	15	174	2.771	131.9	28.68	3.447	126.3	26.53	3.881	123	27.36	32.58	31.45	30.52	-1.126	-2.06	35.46	15.36	1030	888	0
6/23/2014 14:45	69145	15	174	2.527	108.7	30.05	3.184	108.7	27.36	3.649	109.5	22.97	32.26	31.16	30.41	-1.095	-1.845	35.48	15.08	1002	888	0
6/23/2014 15:00	69146	15	174	2.039	89.4	36.27	2.612	97.3	34.65	3.238	106.1	21.83	32.34	31.4	30.58	-0.94	-1.767	35.13	15	948	888	0
6/23/2014 15:15	69147	15	174	2.281	95.3	33.98	2.906	89.6	27.11	3.426	86.6	23.61	32.44	31.39	30.59	-1.045	-1.844	34.81	14.94	893	888	0
6/23/2014 15:30	69148	15	174	2.372	139.4	57.77	3.096	130.1	49.41	3.739	120.2	28.8	32.25	31.32	30.61	-0.926	-1.639	35.61	15.13	755.7	887	0
6/23/2014 15:45	69149	15	174	2.899	131.6	34.55	3.707	128.6	28.58	4.315	128.6	22.42	32.13	31.34	30.62	-0.79	-1.517	35.8	15.11	710.9	887	0
6/23/2014 16:00	69150	15	174	2.461	101.2	33.56	3.188	97.8	28.35	3.936	92.9	22.38	32.43	31.51	30.79	-0.917	-1.634	34.91	14.98	779.1	887	0
6/23/2014 16:15	69151	15	174	2.781	136.3	35.38	3.706	133.8	22.3	4.315	126	16.98	32.35	31.51	30.87	-0.847	-1.485	34.36	14.67	734.1	887	0
6/23/2014 16:30	69152	15	174	2.715	130	28.32	3.688	128.5	21.12	4.453	127.5	18.46	32.23	31.53	30.88	-0.702	-1.354	34.78	14.75	552.2	887	0
6/23/2014 16:45	69153	15	174	2.846	124.4	16.56	3.946	116.6	14.3	5.053	114.6	10.72	31.82	31.4	30.82	-0.413	-0.996	34.81	14.4	285.4	887	0
6/23/2014 17:00	69154	15	174	2.708	132.4	17.75	3.731	128.8	14.16	4.511	123.5	11.52	31.53	31.3	30.78	-0.232	-0.755	35.41	14.42	236.9	887	0
6/23/2014 17:15	69155	15	174	2.798	125.3	16.66	3.941	120.5	12.3	4.863	113.9	8.76	31.4	31.18	30.64	-0.217	-0.757	35.97	14.54	234.5	887	0
6/23/2014 17:30	69156	15	174	2.661	119.2	18.76	3.892	115.7	14.76	4.778	113.2	11.27	31.23	31.04	30.55	-0.189	-0.683	37.56	15.06	213.3	887	0
6/23/2014 17:45	69157	15	174	3.682	126	14.46	5.33	121.8	9.79	6.487	117.9	6.832	30.75	30.6	30.11	-0.147	-0.641	40.28	15.72	157	887	0
6/23/2014 18:00	69158	15	174	3.835	129	15.29	5.68	123.6	11.45	7.142	117.7	8.98	30.33	30.24	29.78	-0.097	-0.554	42.5	16.19	116.2	887	0
6/23/2014 18:15	69159	15	174	4.181	142.4	12.37	6.226	136.2	7.783	8.07	130.6	5.172	29.95	29.91	29.46	-0.048	-0.495	43.62	16.26	92	888	0
6/23/2014 18:30	69160	15	174	3.662	148.8	13.82	5.657	142.6	10.55	7.541	136.4	9.08	29.58	29.58	29.18	-0.002	-0.401	45.32	16.52	65.29	888	0
6/23/2014 18:45	69161	15	174	4.009	145.2	12.65	5.778	140.1	8.13	7.351	134.9	5.392	29.22	29.25	28.89	0.032	-0.329	46.74	16.68	33.29	888	0
6/23/2014 19:00	69162	15	174	3.894	144.3	13.11	6.029	139.3	8.49	8.02	134.9	6.695	28.76	28.87	28.57	0.107	-0.188	48.67	16.9	8.92	888	0
6/23/2014 19:15	69163	15	174	4.053	143.8	12.32	6.004	138.8	8.29	8.39	133.9	5.548	28.39	28.47	28.2	0.089	-0.184	50.24	17.06	3.2	888	0
6/23/2014 19:30	69164	15	174	4.111	148.3	12.13	6.419	143.9	7.074	8.51	139.2	4.137	28.12	28.23	27.96	0.108	-0.166	51.35	17.16	1.64	888	0
6/23/2014 19:45	69165	15	174	4.406	153.1	11.91	6.546	147.7	7.649	8.72	143.5	5.271	27.96	28.07	27.8	0.107	-0.159	51.76	17.14	1.432	889	0
6/23/2014 20:00	69166	15	174	4.614	155.7	12.01	6.85	151.1	7.596	9.41	147.1	4.924	27.76	27.89	27.66	0.129	-0.098	52.78	17.26	1.569	889	0
6/23/2014 20:15	69167	15	174	4.613	156	12.25	7.094	150.1	7.329	9.46	145.7	5.723	27.72	27.84	27.61	0.124	-0.113	53.27	17.37	1.61	889	0
6/23/2014 20:30	69168	15	174	3.945	142.1	14.49	5.949	137.6	10.83	8.43	133.9	7.606	27.71	27.83	27.62	0.125	-0.09	53.38	17.4	1.49	890	0
6/23/2014 20:45	69169	15	174	3.601	127.1	14.09	5.446	124	9.78	7.704	121.2	7.379	27.64	27.77	27.56	0.129	-0.077	53.5	17.36	1.291	890	0
6/23/2014 21:00	69170	15	174	3.476	105.3	12.8	5.178	103.1	8.41	7.277	102.1	6.088	27.62	27.7	27.49	0.077	-0.13	53.65	17.39	1.247	891	0
6/23/2014 21:15	69171	15	174	4.911	39.06	37.57	7.219	38.16	38.22	9.48	41.38	40.62	26.29	26.35	26.18	0.057	-0.109	52.36	15.78	1.447	892	0
6/23/2014 21:30	69172	15	174	7.428	19.78	19.15	11.46	14.92	13.9	14.97	8.24	12.48	21.24	20.99	20.69	-0.248	-0.541	50.96	10.7	1.903	892	0
6/23/2014 21:45	69173	15	174	6.236	13.91	18.1	9.59	11.08	14.28	13.2	5.854	9.04	21.34	21.09	20.73	-0.251	-0.615	53.57	11.55	1.983	892	0
6/23/2014 22:00	69174	15	174	5.235	27.33	16.04	7.964	23.59	9.84	11.77	16.94	6.992	22.47	22.29	22.22	-0.179	-0.248	50.09	11.55	1.626	892	0
6/23/2014 22:15	69175	15	174	6.25	44.69	13.18	9.09	40.53	9.14	12.42	34.02	7.449	24.27	24.2	23.98	-0.074	-0.29	42.64	10.79	1.997	891	0
6/23/2014 22:30	69176	15	174	5.274	49.89	14.84	8.02	47	10.64	11.13	41.73	8.57	24.55	24.5	24.26	-0.048	-0.291	42.25	10.9	1.789	891	0
6/23/2014 22:45	69177	15	174	5.092	58.06	13.39	7.571	52.89	9.74	10.97	45.78	6.465	24.91	24.94	24.86	0.029	-0.059	40.83	10.71	1.668	890	0
6/23/2014 23:00	69178	15	174	4.87	57.8	14.1	7.32	53.34	9.98	10.16	48.21	6.934	25.47	25.6	25.55	0.124	0.079	36.97	9.72	1.702	890	0
6/23/2014 23:15	69179	15	174	4.069	95.1	26.69	5.913	89.6	25.81	8.47	80.3	23.77	25.46	25.67	25.61	0.215	0.154	35.39	9.04	1.441	891	0
6/23/2014 23:30	69180	15	174	4.944	103.8	23.91	7.183	101.9	21.35	10.05	93.5	19.02	24.45	24.63	24.72	0.186	0.272	41.02	10.34	1.463	890	0
6/23/2014 23:45	69181	15	174	5.053	103.4	20.33	7.371	99.3	17.48	10.58	90.6	15.53	24.9	25.14	25.16	0.243	0.26	36.45	9	1.617	890	0
6/24/2014 0:00	69182	15	175	4.817	125.8	16.58	7.188	121	12.47	10.2	113.7	11.25	23.77	24	24.31	0.234	0.537	42.14	10.15	1.62	890	0
6/24/2014 0:15	69183	15	175	4.612	127.6	15.25	6.853	123.8	12.04	9.89	116.3	11.69	23.46	23.7	23.88	0.24	0.421	43.01	10.16	1.498	890	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/24/2014 0:30	69184	15	175	5.008	153.8	16.84	7.485	147.4	14.16	10.27	135.9	12.88	22.85	22.99	22.92	0.145	0.071	47.14	10.99	1.587	890	0
6/24/2014 0:45	69185	15	175	4.54	144.8	16.13	6.619	139.5	12.78	9.57	134.1	9.95	22.33	22.36	22.24	0.033	-0.086	51.77	11.95	1.608	890	0
6/24/2014 1:00	69186	15	175	3.657	134.6	12.8	5.632	128.3	8.11	8.15	122.6	5.757	22.35	22.46	22.34	0.107	-0.008	51.5	11.89	1.375	890	0
6/24/2014 1:15	69187	15	175	3.688	145.8	11.98	5.497	139.1	7.878	7.813	131.1	5.176	22.34	22.47	22.36	0.128	0.021	51.46	11.87	1.206	890	0
6/24/2014 1:30	69188	15	175	3.579	159.8	13.44	5.228	153.2	12.11	7.057	147.4	11.65	22.11	22.19	21.95	0.079	-0.167	52.96	12.1	1.286	891	0
6/24/2014 1:45	69189	15	175	4.222	172.6	10.84	5.931	167.5	7.682	7.547	162.5	4.944	21.79	21.8	21.5	0.011	-0.291	53.66	11.99	1.362	891	0
6/24/2014 2:00	69190	15	175	2.821	178.1	11.81	4.073	171	8.19	6.14	163.4	6.248	21.54	21.62	21.53	0.081	-0.012	53.47	11.71	1	892	0
6/24/2014 2:15	69191	15	175	2.495	173	15.46	3.841	168.7	12.82	6.008	163.9	9.1	21.49	21.59	21.56	0.105	0.07	54.2	11.86	1.054	891	0
6/24/2014 2:30	69192	15	175	2.633	175.6	24.98	4.015	170.6	20.46	6.076	170.3	15	21.41	21.55	21.49	0.143	0.074	55.59	12.18	1.058	892	0
6/24/2014 2:45	69193	15	175	2.806	204.3	13.07	4.173	201.4	9.83	5.922	198.9	6.018	21.41	21.51	21.26	0.097	-0.153	57.38	12.66	0.958	892	0
6/24/2014 3:00	69194	15	175	1.842	216.9	23.68	2.886	214.3	22.63	4.589	211.5	16.28	21.18	21.29	21.16	0.115	-0.014	59.9	13.1	0.876	891	0
6/24/2014 3:15	69195	15	175	1.307	158.5	29.82	2.039	173.4	25.79	3.35	205.4	16.54	20.49	21.22	21.33	0.73	0.835	62.49	13.09	0.809	891	0
6/24/2014 3:30	69196	15	175	1.676	110.9	10.99	3.273	117.1	4.639	3.573	148.9	9.01	19.95	20.81	21.51	0.864	1.562	66.33	13.5	0.736	891	0
6/24/2014 3:45	69197	15	175	0.887	153.4	50.59	1.944	136	23.86	3.868	152.8	12.27	20.19	20.72	21.61	0.532	1.416	66.38	13.74	0.853	891	0
6/24/2014 4:00	69198	15	175	0.779	224.2	58.1	1.3	196.4	20.84	3.094	179.8	10.61	19.85	20.91	21.35	1.053	1.498	68.17	13.83	0.811	891	0
6/24/2014 4:15	69199	15	175	0.663	184.2	45.35	1.719	168.9	15.38	3.279	161.3	8.07	19.23	20.53	21.02	1.306	1.794	72.85	14.25	0.87	891	0
6/24/2014 4:30	69200	15	175	0.44	18.09	77.74	0.899	126.7	23.44	2.732	148.9	11.18	19.45	19.91	20.93	0.451	1.476	72.92	14.49	0.825	892	0
6/24/2014 4:45	69201	15	175	1.319	93.1	10.81	2.918	102.9	4.579	2.926	129.6	7.615	18.84	19.93	20.94	1.09	2.102	76.8	14.7	1.114	892	0
6/24/2014 5:00	69202	15	175	1.871	108	10.38	3.494	106.4	5.263	4.12	126.5	5.954	19.1	19.66	20.88	0.555	1.779	75.78	14.74	3.373	892	0
6/24/2014 5:15	69203	15	175	2.099	118.5	12.51	3.657	114.3	6.79	5.651	124.9	7.131	19.35	19.71	20.76	0.355	1.409	75.09	14.85	11.52	892	0
6/24/2014 5:30	69204	15	175	2.489	114.6	12.28	3.934	111.5	7.588	6.851	116.2	5.017	19.68	19.85	20.5	0.173	0.821	72.2	14.55	26.69	892	0
6/24/2014 5:45	69205	15	175	2.017	124.3	12.26	3.149	120.3	7.073	5.618	119.5	4.556	19.98	20.06	20.28	0.084	0.3	72.9	14.99	72.43	892	0
6/24/2014 6:00	69206	15	175	2.166	132	13.08	3.232	127.6	9.21	6.008	134.7	6.621	20.52	20.34	21.01	-0.184	0.488	73.01	15.53	149.4	892	0
6/24/2014 6:15	69207	15	175	2.37	140.5	16.5	3.306	134.4	11.74	5.061	135.5	8.19	21.51	21.18	21	-0.331	-0.507	70.89	16.02	221.9	892	0
6/24/2014 6:30	69208	15	175	2.534	148.2	16	3.606	142.8	12.1	4.428	142	11.43	22.3	21.94	21.44	-0.368	-0.865	68.4	16.22	259.4	892	0
6/24/2014 6:45	69209	15	175	2.917	164.1	16.64	3.991	159.2	11.47	4.61	156.5	9.1	22.91	22.43	21.9	-0.475	-1.007	64.41	15.85	345.5	892	0
6/24/2014 7:00	69210	15	175	2.951	177.1	14.42	3.883	171.3	12.49	4.443	171.2	10.18	23.43	22.85	22.29	-0.575	-1.143	60.98	15.49	419.1	892	0
6/24/2014 7:15	69211	15	175	2.992	185.4	13.84	4.068	177.4	10.98	4.723	172	8.1	23.89	23.27	22.64	-0.624	-1.253	60.45	15.79	426.9	892	0
6/24/2014 7:30	69212	15	175	2.936	176.1	13.4	3.821	173.1	10.11	4.418	173.7	7.902	24.16	23.55	22.92	-0.609	-1.24	60.96	16.18	456.6	892	0
6/24/2014 7:45	69213	15	175	3.314	185.4	14.97	4.222	181	12.69	4.908	178.2	8.76	24.68	23.96	23.28	-0.723	-1.406	60.44	16.53	546.7	892	0
6/24/2014 8:00	69214	15	175	3.303	185	17.03	4.298	179.5	13.17	4.911	174.5	9.22	25.36	24.44	23.72	-0.916	-1.639	58.05	16.53	661.7	892	0
6/24/2014 8:15	69215	15	175	2.881	163.3	16.62	3.832	161.1	14.09	4.597	160.2	12.65	26.02	25.09	24.32	-0.931	-1.695	55.69	16.49	701.6	892	0
6/24/2014 8:30	69216	15	175	3.034	170.9	18.36	4.084	165.3	13.64	4.853	161.4	9.79	26.63	25.59	24.83	-1.044	-1.806	52.77	16.22	771.3	892	0
6/24/2014 8:45	69217	15	175	3.529	160.6	22.47	4.691	156.2	17.98	5.605	153.3	14.64	26.99	25.95	25.27	-1.045	-1.725	50.8	15.95	830	892	0
6/24/2014 9:00	69218	15	175	3.162	150.1	19.68	4.332	143	16.75	4.912	142.9	13.31	27.63	26.48	25.69	-1.153	-1.943	48.04	15.66	892	892	0
6/24/2014 9:15	69219	15	175	3.381	153.8	17.18	4.567	148	12.68	5.191	142.9	11.23	27.64	26.5	25.79	-1.146	-1.85	46.26	15.08	893	892	0
6/24/2014 9:30	69220	15	175	3.362	162	22.21	4.374	155.7	18.74	5.258	152.7	13.54	28.57	27.2	26.32	-1.374	-2.252	43.97	15.14	1010	892	0
6/24/2014 9:45	69221	15	175	3.651	140.5	20.01	5.066	132.9	15.81	6.073	128	11.89	29.1	27.51	26.63	-1.588	-2.472	44.13	15.67	1156	892	0
6/24/2014 10:00	69222	15	175	5.012	130.8	18.75	6.978	125.6	15.62	8.26	123.1	13.14	28.98	27.34	26.35	-1.634	-2.632	46.75	16.45	1081	892	0
6/24/2014 10:15	69223	15	175	4.739	128.1	16.04	6.489	124.3	11.3	7.568	120.1	7.953	28.8	27	26.02	-1.799	-2.78	47.94	16.7	1129	892	0
6/24/2014 10:30	69224	15	175	4.176	131.3	20.68	5.712	127.1	13.77	6.746	123.8	11.31	27.97	26.81	26.06	-1.167	-1.916	48.63	16.17	605.3	892	0
6/24/2014 10:45	69225	15	175	3.659	142	20.58	4.687	135.8	16.2	5.372	132.1	16.02	28.95	27.69	26.78	-1.255	-2.168	44	15.47	990	892	0
6/24/2014 11:00	69226	15	175	3.076	172.3	25.33	3.98	169.7	19.64	4.716	164.8	16.71	29.09	28	27.28	-1.09	-1.811	41.32	14.63	866	892	0
6/24/2014 11:15	69227	15	175	3.754	134.7	19.34	5.135	130.6	15.77	5.741	127.9	11.6	29.51	28.3	27.5	-1.212	-2.009	41.76	15.18	858	892	0
6/24/2014 11:30	69228	15	175	4.351	127.3	17.25	5.972	122.3	12.67	7.018	118.8	10.31	30.18	28.68	27.73	-1.493	-2.445	40.16	15.16	1094	892	0
6/24/2014 11:45	69229	15	175	3.933	124	19.82	5.152	118.9	13.87	5.922	114	10.89	30.66	29.11	28.25	-1.555	-2.415	37.15	14.39	1209	892	0
6/24/2014 12:00	69230	15	175	3.975	115.4	18.93	5.311	112.8	14.12	6.253	109.1	12.43	30.92	29.4	28.38	-1.515	-2.541	35.87	14.07	1212	891	0
6/24/2014 12:15	69231	15	175	3.552	135.3	22.05	4.592	127.2	16.48	5.498	125.7	16.2	31.11	29.64	28.72	-1.47	-2.392	35.03	13.88	1215	891	0
6/24/2014 12:30	69232	15	175	3.671	134.8	28.15	4.797	130.6	25.15	5.69	123.2	17.98	31.84	30.21	29.26	-1.632	-2.579	32.89	13.54	1213	891	0
6/24/2014 12:45	69233	15	175	4.073	128.4	23.97	5.665	123.7	20.53	6.907	121.6	19.95	32.16	30.55	29.59	-1.61	-2.567	33.44	14.07	1201	891	0
6/24/2014 13:00	69234	15	175	3.452	130.5	20.63	4.538	127.5	17.65	5.451	128.4	18.45	32.37	30.8	29.92	-1.568	-2.455	31.03	13.11	1189	890	0
6/24/2014 13:15	69235	15	175	3.526	146.6	28.8	4.536	140.8	26.25	5.52	142.7	25.84	32.64	31.31	30.43	-1.33	-2.211	29.92	12.79	1182	890	0
6/24/2014 13:30	69236	15	175	4.357	121.4	24.46	5.857	118.6	21.47	6.898	118.8	18.65	33.24	31.6	30.5	-1.647	-2.749	30.06	13.37	1176	890	0
6/24/2014 13:45	69237	15	175	3.975	142.9	29.81	5.391	139	29.49	6.336	136.4	28.55	33.11	31.49	30.61	-1.619	-2.495	29.29	12.86	1220	890	0
6/24/2014 14:00	69238	15	175	3.446	150.4	32.04	4.697	147	30.02	5.723	141.4	25.72	32.96	31.7	30.86	-1.263	-2.105	29.28	12.73	807	890	0
6/24/2014 14:15	69239	15	175	3.555	146.2	20.99	4.785	142.5	14.62	5.452	143.1	11.03	32.76	31.56	30.73	-1.198	-2.03	28.69	12.24	949	890	0
6/24/2014 14:30	69240	15	175	3.14	163.3	21.71	4.049	157.6	17.56	4.567	155.3	16.91	32.83	31.73	30.97	-1.095	-1.86	28.3	12.1	853	890	0
6/24/2014 14:45	69241	15	175	1.802	109	43.78	2.233	106.1	36.48	2.562	124.1	37.39	32.21	31.55	30.92	-0.663	-1.296	28.59	11.73	605.1	889	0
6/24/2014 15:00	69242	15	175	3.708	138.5	26.7	4.921	131.8	24.21	5.896	123.9	20.82	32.6	31.79	31.06	-0.818	-1.542	29.29	12.42	678.3	889	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/24/2014 15:15	69243	15	175	4.484	118.7	30	6.171	114.5	25.06	7.489	111.1	19.03	32.64	31.72	30.87	-0.92	-1.767	30.6	13.13	725.1	889	0
6/24/2014 15:30	69244	15	175	5.133	109	12.8	7.161	105.3	8.2	8.4	100.4	6.574	32.02	31.2	30.44	-0.815	-1.574	31.61	13.09	524.1	889	0
6/24/2014 15:45	69245	15	175	4.646	105.1	15.44	6.722	101	11.04	8.06	98.7	7.677	31.58	30.95	30.26	-0.636	-1.328	32.43	13.11	432.1	889	0
6/24/2014 16:00	69246	15	175	4.227	111.7	13.13	6.102	108.3	8.6	7.57	105.7	6.495	31.61	31.05	30.37	-0.56	-1.24	32.24	13.04	400.2	889	0
6/24/2014 16:15	69247	15	175	4.506	109.8	14.69	6.201	106.6	10.52	7.534	103	8.37	31.38	30.93	30.31	-0.449	-1.072	32.31	12.87	366.3	889	0
6/24/2014 16:30	69248	15	175	4.527	112.9	12.68	6.523	109.5	8.21	7.798	105.6	5.845	31.53	30.99	30.34	-0.533	-1.188	32.25	12.97	432.9	888	0
6/24/2014 16:45	69249	15	175	4.745	113.7	13.25	6.794	109.8	8.92	8.44	107.4	5.669	31.38	30.93	30.28	-0.447	-1.101	32.16	12.8	373.9	888	0
6/24/2014 17:00	69250	15	175	4.758	118.1	15.46	6.758	114.5	10.53	8.23	110.6	9.45	31.71	31.06	30.29	-0.656	-1.423	31.88	12.95	562.1	888	0
6/24/2014 17:15	69251	15	175	4.719	123.8	14.51	6.839	120.3	10.47	8.36	115.4	8.37	31.48	31.03	30.41	-0.446	-1.07	31.73	12.68	370.6	888	0
6/24/2014 17:30	69252	15	175	4.653	121.2	14.16	6.585	116.3	10.05	8.22	112.3	7.469	31.36	30.93	30.27	-0.434	-1.091	31.9	12.66	388.6	888	0
6/24/2014 17:45	69253	15	175	4.552	129.6	15.19	6.597	124.9	10.3	8.25	121.2	7.639	31.29	30.94	30.32	-0.35	-0.968	31.94	12.62	327.4	888	0
6/24/2014 18:00	69254	15	175	4.648	134.5	13.5	6.705	129.6	8.89	8.41	124.3	7.194	31.06	30.84	30.3	-0.223	-0.761	31.98	12.44	260.7	888	0
6/24/2014 18:15	69255	15	175	5.076	132.6	13.67	7.33	128.7	8.95	9.13	124.8	5.647	30.7	30.6	30.12	-0.102	-0.579	32.3	12.28	186.8	888	0
6/24/2014 18:30	69256	15	175	4.184	135.1	12.53	6.247	130.6	8.47	8.39	126.1	5.533	30.33	30.36	29.98	0.037	-0.342	33.21	12.37	117.1	888	0
6/24/2014 18:45	69257	15	175	4.307	135.4	12.76	6.592	130.9	8.06	8.97	128.1	4.724	29.85	30	29.71	0.146	-0.135	34.14	12.38	62.53	888	0
6/24/2014 19:00	69258	15	175	4.294	134.6	13.14	6.432	129.7	7.672	8.74	127.2	4.937	29.37	29.6	29.42	0.223	0.047	34.79	12.25	24.02	888	0
6/24/2014 19:15	69259	15	175	4.158	133.4	12.65	6.26	129.5	7.313	8.73	125.9	5.505	28.87	29.16	29.07	0.295	0.198	35.35	12.05	6.352	888	0
6/24/2014 19:30	69260	15	175	3.739	133.7	11.87	5.644	128.4	6.789	8.2	125.7	4.095	28.23	28.58	28.59	0.344	0.36	36.64	12.03	1.904	889	0
6/24/2014 19:45	69261	15	175	3.76	134.9	12.48	5.696	130.2	7.291	8.55	127	4.337	27.8	28.16	28.22	0.359	0.423	37.11	11.84	1.517	889	0
6/24/2014 20:00	69262	15	175	4.112	133.7	11.12	6.253	130.7	7.189	9.22	128.1	3.779	27.48	27.81	27.86	0.329	0.38	37.25	11.62	1.448	889	0
6/24/2014 20:15	69263	15	175	4.012	135.7	12.02	5.974	130.5	7.591	8.89	127.3	4.466	27.1	27.41	27.43	0.318	0.331	37.74	11.48	1.513	889	0
6/24/2014 20:30	69264	15	175	4.249	135	10.93	6.045	129.9	6.555	8.7	127.2	4.417	26.74	27.03	27.03	0.284	0.29	39.17	11.72	1.335	889	0
6/24/2014 20:45	69265	15	175	3.94	132.8	11.1	5.781	129.1	7.568	8.75	126.2	4.452	26.37	26.67	26.69	0.297	0.316	41.67	12.33	1.322	889	0
6/24/2014 21:00	69266	15	175	3.973	133.1	11.54	5.99	128.2	7.494	8.82	124.3	4.881	26.1	26.39	26.38	0.291	0.283	44.21	12.99	1.305	889	0
6/24/2014 21:15	69267	15	175	4.663	133.7	11.62	6.788	128.7	7.276	9.66	125.4	4.745	25.95	26.17	26.09	0.221	0.134	47.47	13.94	1.473	889	0
6/24/2014 21:30	69268	15	175	5.014	132.9	11.09	7.358	129.2	7.036	10.09	126.1	4.622	25.75	25.93	25.75	0.176	0	52.45	15.31	1.543	889	0
6/24/2014 21:45	69269	15	175	5.202	137.2	11.84	7.562	132.2	7.236	10.19	128.5	5.056	25.48	25.64	25.45	0.154	-0.033	53.59	15.4	1.496	889	0
6/24/2014 22:00	69270	15	175	4.735	134.3	11.31	6.884	130.2	7.825	9.7	126	5.418	25.1	25.27	25.12	0.176	0.023	54.41	15.27	1.529	889	0
6/24/2014 22:15	69271	15	175	4.586	135.2	11.54	6.927	130.2	7.077	9.53	126.1	4.644	24.78	24.96	24.78	0.181	0.004	56.25	15.5	1.47	889	0
6/24/2014 22:30	69272	15	175	4.612	133.5	11.64	6.803	128.8	7.612	9.45	126	4.935	24.43	24.6	24.42	0.163	-0.011	58.36	15.75	1.555	889	0
6/24/2014 22:45	69273	15	175	5.163	134.9	12.18	7.571	129.8	6.948	9.81	126.9	4.685	24.25	24.36	24.13	0.117	-0.117	61.51	16.39	1.463	890	0
6/24/2014 23:00	69274	15	175	5.053	137.5	12.32	7.522	132.3	7.853	9.96	129.1	5.929	24.01	24.11	23.87	0.102	-0.137	64.17	16.84	1.646	889	0
6/24/2014 23:15	69275	15	175	5.061	135.5	11.8	7.419	131	7.741	10.02	128	5.137	23.78	23.89	23.64	0.108	-0.136	66.05	17.08	1.454	890	0
6/24/2014 23:30	69276	15	175	5.185	135.6	12.12	7.575	131.1	7.544	10.29	128	4.909	23.55	23.64	23.38	0.086	-0.171	68.41	17.41	1.547	889	0
6/24/2014 23:45	69277	15	175	5.42	137.5	11.51	7.753	132.3	7.443	10.38	129.8	5.485	23.34	23.4	23.14	0.064	-0.199	70.45	17.68	1.667	889	0
6/25/2014 0:00	69278	15	176	5.118	136.4	11.34	7.472	131.7	7.42	10.14	128.6	5.452	23.08	23.16	22.89	0.077	-0.184	71.87	17.75	1.554	889	0
6/25/2014 0:15	69279	15	176	5.348	142	12.83	7.909	136.4	8.03	10.45	133	5.202	22.91	22.98	22.7	0.069	-0.204	72.47	17.71	1.69	889	0
6/25/2014 0:30	69280	15	176	5.365	137.4	12.79	7.941	132.4	8.48	10.45	129.2	5.832	22.69	22.76	22.49	0.075	-0.193	73.41	17.7	1.633	889	0
6/25/2014 0:45	69281	15	176	5.135	135.6	12.07	7.421	130.8	7.987	10.15	127.6	5.72	22.49	22.55	22.28	0.063	-0.206	74.79	17.81	1.524	889	0
6/25/2014 1:00	69282	15	176	5.137	130.4	12.53	7.547	125.4	8.35	10.14	123.9	5.869	22.3	22.36	22.07	0.06	-0.228	76.41	17.97	1.629	890	0
6/25/2014 1:15	69283	15	176	5.243	134	13.31	7.65	128.6	8.24	10.01	126	5.893	22.11	22.16	21.86	0.045	-0.251	78.08	18.13	1.53	890	0
6/25/2014 1:30	69284	15	176	4.749	134.3	12.91	7.14	128.7	7.834	9.63	125.2	6.332	21.93	21.99	21.71	0.058	-0.226	79.49	18.24	1.459	889	0
6/25/2014 1:45	69285	15	176	4.936	137	13.8	7.253	130.8	8.94	9.58	126.5	6.648	21.85	21.9	21.61	0.048	-0.243	80.1	18.29	1.535	889	0
6/25/2014 2:00	69286	15	176	4.949	141.2	12.02	7.336	135.3	7.453	9.35	131.6	5.57	21.76	21.82	21.52	0.061	-0.236	80.3	18.24	1.389	889	0
6/25/2014 2:15	69287	15	176	4.232	140.2	13.45	6.203	135.3	9.03	8.88	133	6.089	21.6	21.67	21.42	0.071	-0.181	80.8	18.19	1.513	889	0
6/25/2014 2:30	69288	15	176	4.257	143.9	12.33	6.192	139.2	8.42	8.46	135.9	6.127	21.52	21.59	21.31	0.067	-0.209	81.3	18.2	1.455	889	0
6/25/2014 2:45	69289	15	176	4.35	140.4	12.19	6.21	136.7	8.63	8.31	134.3	5.637	21.41	21.48	21.22	0.068	-0.196	81.9	18.21	1.501	889	0
6/25/2014 3:00	69290	15	176	4.168	142.7	12.91	6.301	136.9	8.17	8.51	132.4	5.656	21.29	21.38	21.13	0.094	-0.16	82.7	18.25	1.348	889	0
6/25/2014 3:15	69291	15	176	3.813	134	12.3	5.571	129.8	8.7	7.778	126.2	5.771	21.1	21.19	20.95	0.094	-0.152	83.7	18.24	1.237	889	0
6/25/2014 3:30	69292	15	176	4.071	133.4	13.4	6.28	127.4	7.924	8.53	123.4	5.46	20.86	20.94	20.67	0.082	-0.188	85.6	18.36	1.482	889	0
6/25/2014 3:45	69293	15	176	4.006	134.7	11.59	6.011	128.3	7.608	8.39	123.7	4.953	20.72	20.8	20.53	0.072	-0.194	87.1	18.51	1.381	889	0
6/25/2014 4:00	69294	15	176	3.872	129	12.77	5.838	124.1	7.854	8.35	119.5	5.444	20.6	20.67	20.42	0.063	-0.187	88.1	18.58	1.302	889	0
6/25/2014 4:15	69295	15	176	3.817	134.8	13.35	5.68	128.1	8.79	7.968	122.8	5.44	20.6	20.66	20.42	0.066	-0.176	88.1	18.58	1.361	889	0
6/25/2014 4:30	69296	15	176	3.442	140.3	13.1	5.025	133.7	8.1	6.783	126.2	6.192	20.45	20.51	20.2	0.061	-0.242	88.9	18.57	1.186	889	0
6/25/2014 4:45	69297	15	176	3.115	131	13.48	4.679	124.7	8.65	6.925	120.8	5.565	20.27	20.31	20.03	0.04	-0.241	90.1	18.61	1.663	890	0
6/25/2014 5:00	69298	15	176	3.077	120.7	13.17	4.499	117	9.1	6.557	112.5	6.482	20.27	20.29	19.99	0.019	-0.276	90.4	18.66	5.028	890	0
6/25/2014 5:15	69299	15	176	3.6	119.8	13.67	5.493	115.5	8.94	7.696	112	5.512	20.39	20.37	20.07	-0.014	-0.317	90.3	18.77	19.08	890	0
6/25/2014 5:30	69300	15	176	4.254	117.9	13.44	6.211	112.9	8.39	8.58	109.6	5.049	20.65	20.56	20.19	-0.092	-0.467	88.9	18.77	47.43	890	0
6/25/2014 5:45	69301	15	176	4.517	128.2	12.88	6.611	122.1	7.507	8.62	118.4	4.956	20.66	20.52	20.1	-0.139	-0.555	88.1	18.64	80	890	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/25/2014 6:00	69302	15	176	4.607	129.8	13.02	6.795	123.9	8.75	8.77	118.3	5.135	20.74	20.52	20.04	-0.219	-0.697	87.7	18.63	113.9	890	0
6/25/2014 6:15	69303	15	176	4.468	123.5	12.93	6.591	118.3	8.55	8.38	114.1	6.66	20.88	20.62	20.14	-0.26	-0.739	86.6	18.57	139.6	890	0
6/25/2014 6:30	69304	15	176	4.951	117.9	13.56	6.973	115.6	8.38	9.07	112.3	5.859	21.44	20.99	20.37	-0.446	-1.065	83.7	18.58	265.8	890	0
6/25/2014 6:45	69305	15	176	4.895	122.2	13.26	7.05	116.9	8.17	8.78	112.7	5.501	21.77	21.23	20.58	-0.542	-1.187	81.3	18.44	328.4	891	0
6/25/2014 7:00	69306	15	176	4.575	123.5	14	6.668	119.5	9.77	8.18	115.7	7.405	22.1	21.45	20.77	-0.643	-1.328	80	18.5	361	891	0
6/25/2014 7:15	69307	15	176	4.672	125.9	14.59	6.681	121.5	9.49	8.08	117.8	6.464	22.47	21.67	20.89	-0.806	-1.579	77.93	18.45	451.5	891	0
6/25/2014 7:30	69308	15	176	5.106	123.6	13.42	7.228	117.8	8.35	8.64	114.3	4.937	22.79	21.89	21.09	-0.903	-1.695	76.75	18.51	523.9	891	0
6/25/2014 7:45	69309	15	176	5.289	116.1	13.4	7.271	111.9	9.12	8.56	109.1	5.649	23.14	22.18	21.36	-0.958	-1.78	75.14	18.51	585.5	891	0
6/25/2014 8:00	69310	15	176	4.51	123.6	14.61	6.276	121	10.41	7.724	117.8	8.28	23.81	22.71	21.83	-1.105	-1.983	73.17	18.74	646.6	891	0
6/25/2014 8:15	69311	15	176	4.513	136.1	14.75	6.272	130.9	10.52	7.403	125.5	6.086	24.42	23.23	22.43	-1.182	-1.99	70.15	18.64	710.6	891	0
6/25/2014 8:30	69312	15	176	4.015	123.8	16.22	5.738	119.7	10.91	6.672	115.4	6.698	25.13	23.91	23.09	-1.218	-2.042	67.39	18.68	650.4	891	0
6/25/2014 8:45	69313	15	176	3.571	133.1	15.73	5.008	127.3	10.46	5.976	120.7	7.481	24.87	24.02	23.32	-0.849	-1.548	67.35	18.42	440.9	891	0
6/25/2014 9:00	69314	15	176	3.398	115.9	16.22	4.606	110.3	11.84	5.345	106.3	9.83	24.7	23.93	23.3	-0.771	-1.408	68.3	18.49	397.7	891	0
6/25/2014 9:15	69315	15	176	3.613	90.6	16.39	4.797	85.7	13.77	5.809	81.8	13.64	25	24.32	23.67	-0.679	-1.333	67.42	18.56	348.6	891	0
6/25/2014 9:30	69316	15	176	4.417	84.4	15.5	6.097	80.5	12.22	7.293	77.43	7.885	24.85	24.22	23.49	-0.635	-1.362	67.63	18.47	320.4	892	0
6/25/2014 9:45	69317	15	176	4.75	88.4	13.36	6.455	84.7	10.49	8.08	80.9	8.93	24.84	24.21	23.47	-0.631	-1.372	67.85	18.52	373.4	892	0
6/25/2014 10:00	69318	15	176	5.744	89.5	15.38	7.831	86.4	12.39	9.7	82.7	8.93	25.82	24.49	23.42	-1.327	-2.404	63.83	18.46	1038	892	0
6/25/2014 10:15	69319	15	176	6.613	85	14.05	8.91	81.8	10.3	11.25	77.8	7.423	26.43	24.87	23.52	-1.558	-2.903	60.7	18.24	1206	892	0
6/25/2014 10:30	69320	15	176	7.194	93.5	14	10.05	89.3	10.03	12.74	85.8	7.086	26	24.75	23.58	-1.247	-2.415	59.4	17.49	747.6	892	0
6/25/2014 10:45	69321	15	176	7.43	99.7	12.1	10.48	96.2	8.08	12.92	92.5	5.515	26.4	25.28	24.24	-1.119	-2.167	55.8	16.88	852	891	0
6/25/2014 11:00	69322	15	176	7.627	99.8	15.69	10.83	96.1	12.03	13.33	91.4	8.67	27.08	26.02	24.95	-1.061	-2.124	52.12	16.43	673	891	0
6/25/2014 11:15	69323	15	176	7.713	106.3	11.69	10.99	101.5	7.836	14	97.6	4.882	25.58	25.06	24.36	-0.511	-1.221	55.89	16.13	319.2	891	0
6/25/2014 11:30	69324	15	176	7.933	109.6	12.53	11.12	106.5	7.565	14.52	101.7	4.33	26.44	25.77	24.98	-0.673	-1.464	45.76	13.75	688.7	891	0
6/25/2014 11:45	69325	15	176	7.843	112	12.96	11.22	107.7	8.33	14.03	103.2	5.401	28.12	26.96	25.84	-1.167	-2.288	39.68	13.13	1100	891	0
6/25/2014 12:00	69326	15	176	7.916	113.9	12.15	11.36	110.2	7.338	14.18	106.4	4.633	28.97	27.48	26.15	-1.494	-2.817	36.28	12.53	1256	890	0
6/25/2014 12:15	69327	15	176	7.569	117.8	13.39	10.63	114	8.6	13.23	109.9	6.592	29.76	28.27	26.91	-1.487	-2.855	37.07	13.56	1226	890	0
6/25/2014 12:30	69328	15	176	7.902	120.4	13.34	11.06	116.5	8.04	13.66	112.2	5.388	30.2	28.65	27.37	-1.545	-2.829	34.74	12.94	1225	890	0
6/25/2014 12:45	69329	15	176	7.371	120	14.3	10.53	115.5	9.32	13.14	111.1	6.34	31.07	29.46	28.1	-1.609	-2.97	32.12	12.51	1280	890	0
6/25/2014 13:00	69330	15	176	7.1	119.4	14.22	10.06	115.7	10.24	12.41	112.7	7.05	31.18	29.72	28.47	-1.459	-2.707	30.63	11.88	993	890	0
6/25/2014 13:15	69331	15	176	6.178	133.1	15.51	8.76	128.1	11.13	10.33	122.5	8.3	30.65	29.55	28.65	-1.099	-2.004	33.01	12.56	765	889	0
6/25/2014 13:30	69332	15	176	5.737	136.1	14.16	8.23	130.9	9.73	10.05	125	6.74	30.32	29.35	28.42	-0.968	-1.898	34.19	12.8	680.2	889	0
6/25/2014 13:45	69333	15	176	4.631	139	15.59	6.675	133.6	10.86	7.844	127	8.94	30.72	29.66	28.84	-1.056	-1.88	32.64	12.44	761	889	0
6/25/2014 14:00	69334	15	176	3.413	132.5	18.28	4.634	128.1	14.96	5.652	124.5	12.96	30.68	29.82	29.13	-0.858	-1.551	33.51	12.82	570	889	0
6/25/2014 14:15	69335	15	176	3.742	143.9	19.4	5.04	138.9	14.76	5.847	136.8	11.16	30.83	29.9	29.23	-0.922	-1.6	34.47	13.38	673.7	889	0
6/25/2014 14:30	69336	15	176	3.598	174.1	18.95	4.996	168.9	17.14	5.883	165.4	13.82	30.7	29.91	29.17	-0.79	-1.531	34.86	13.45	484.4	889	0
6/25/2014 14:45	69337	15	176	3.721	177.1	16.26	5.236	172.8	12.58	6.256	170.6	11.31	30.31	29.69	29.07	-0.624	-1.244	36.31	13.73	391	889	0
6/25/2014 15:00	69338	15	176	3.618	179.7	14.66	4.997	174.2	10.67	5.79	169.3	9.24	29.87	29.31	28.7	-0.56	-1.175	37.49	13.83	351.1	888	0
6/25/2014 15:15	69339	15	176	3.493	154.7	15.71	4.992	149.4	11.03	5.976	147.1	7.684	29.64	29.1	28.47	-0.538	-1.165	40.04	14.64	348.8	888	0
6/25/2014 15:30	69340	15	176	4.133	166.9	12.93	5.822	161.2	10.5	6.942	158.3	9.07	29.51	28.97	28.31	-0.536	-1.198	40.45	14.68	351.4	888	0
6/25/2014 15:45	69341	15	176	6.161	170	13.48	8.77	164.6	10.11	10.61	160.4	6.973	28.82	28.28	27.58	-0.536	-1.242	44.08	15.37	336.4	889	0
6/25/2014 16:00	69342	15	176	6.639	166.9	12.95	9.46	161.7	9.59	11.55	157.9	6.798	27.91	27.24	26.47	-0.668	-1.434	50.36	16.66	428.5	889	0
6/25/2014 16:15	69343	15	176	6.929	171.9	14.48	9.92	168.4	10.61	12.29	165.9	7.243	28.44	27.48	26.55	-0.966	-1.891	50.69	17.25	698.3	889	0
6/25/2014 16:30	69344	15	176	7.242	172.8	12.18	10.37	167.6	8.88	12.71	163.6	5.644	28.4	27.42	26.44	-0.983	-1.965	49.2	16.74	667.3	889	0
6/25/2014 16:45	69345	15	176	6.807	174.2	15.14	9.81	169.8	12.99	12.26	167.3	11.31	28.35	27.34	26.28	-1.007	-2.075	50.73	17.18	667.1	889	0
6/25/2014 17:00	69346	15	176	6.457	184.4	13.49	9.19	179.5	10.8	11.37	174.4	7.786	27.23	26.25	25.22	-0.977	-2.01	53.79	17.07	579.7	888	0
6/25/2014 17:15	69347	15	176	6.782	167.4	12.56	9.55	162.5	8.73	11.5	160	6.152	26.86	26.03	25.18	-0.83	-1.688	54.11	16.82	477.4	888	0
6/25/2014 17:30	69348	15	176	5.76	172.5	13.53	8.23	167.8	9.38	10.16	165.3	7.135	27.1	26.44	25.68	-0.659	-1.425	46.14	14.48	404.3	888	0
6/25/2014 17:45	69349	15	176	5.992	174.3	12.46	8.56	170	9.31	10.53	166	6.62	27.15	26.61	25.92	-0.536	-1.227	45.17	14.26	322.8	888	0
6/25/2014 18:00	69350	15	176	5.717	177.3	13.74	8.07	172.8	10.76	9.88	170.8	9.4	26.64	26.4	25.84	-0.242	-0.798	38.25	11.27	182.3	888	0
6/25/2014 18:15	69351	15	176	5.281	184.3	11.63	7.465	180	7.981	9.68	177.7	4.877	25.94	25.82	25.33	-0.125	-0.617	38.41	10.71	126.1	888	0
6/25/2014 18:30	69352	15	176	4.222	186.4	12.25	6.127	181.4	8.14	7.923	178.2	4.559	25.58	25.5	25.05	-0.073	-0.524	40.32	11.12	114.3	888	0
6/25/2014 18:45	69353	15	176	2.971	188.7	11.63	4.254	184.9	8.14	5.322	181.5	6.324	25.23	25.32	24.97	0.086	-0.267	42.1	11.46	71.23	888	0
6/25/2014 19:00	69354	15	176	2.762	188.5	10.6	4.228	184.8	7.421	5.599	183	3.955	24.72	24.98	24.77	0.257	0.045	44.01	11.67	30.41	888	0
6/25/2014 19:15	69355	15	176	1.831	179.1	12.47	3.151	177.2	7.674	4.619	181.2	3.388	23.93	24.51	24.62	0.58	0.685	46.97	11.94	9.02	888	0
6/25/2014 19:30	69356	15	176	1.049	167.5	7.529	2.481	165.8	3.202	3.863	183	3.688	22.63	24.05	24.51	1.417	1.88	51.54	12.16	1.779	888	0
6/25/2014 19:45	69357	15	176	0.714	181.9	29.97	1.991	171.3	6.96	3.85	192.6	3.216	22.04	23.18	24.35	1.144	2.315	54.37	12.43	0.901	888	0
6/25/2014 20:00	69358	15	176	1.142	155.8	15.67	3.025	167.9	4.261	4.24	190	4.349	20.99	23.52	24.2	2.531	3.211	58.02	12.44	0.886	888	0
6/25/2014 20:15	69359	15	176	1.171	127.5	8.39	2.778	152.4	5.082	3.219	179	5.088	20.55	23.27	24.01	2.72	3.457	60.52	12.67	0.673	888	0
6/25/2014 20:30	69360	15	176	0.985	95.4	30.07	2.517	139.2	9.79	2.714	173.5	10.58	19.81	22.87	23.88	3.056	4.071	64	12.82	0.633	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/25/2014 20:45	69361	15	176	1.333	121.2	14.81	3.234	135.1	5.798	2.967	165.8	5.319	19.96	23.12	23.92	3.155	3.954	63.63	12.88	0.681	888	0
6/25/2014 21:00	69362	15	176	1.824	116	9.61	4.126	122.1	4.329	3.727	147.6	6.093	20.07	22.34	23.8	2.27	3.734	63.77	13.01	0.735	889	0
6/25/2014 21:15	69363	15	176	2.487	104	9.88	4.566	104.8	5.977	4.895	125.8	8.33	20.55	21.49	23.65	0.947	3.102	61.77	12.97	1.048	889	0
6/25/2014 21:30	69364	15	176	2.585	100	10.88	4.451	100.3	6.108	7.252	111.1	4.246	20.7	21.27	23.49	0.571	2.798	61.13	12.96	1.203	889	0
6/25/2014 21:45	69365	15	176	2.649	108.7	10.55	4.396	105.5	6.087	8.15	108	1.793	21.11	21.59	23.53	0.481	2.422	59.71	12.98	1.185	889	0
6/25/2014 22:00	69366	15	176	2.828	105.7	11.27	4.713	104.5	6.343	8.7	113.1	1.874	20.92	21.38	23.29	0.466	2.375	60.85	13.09	1.318	889	0
6/25/2014 22:15	69367	15	176	2.467	116.2	11.07	4.27	112.9	6.535	8.51	114.5	1.843	20.64	21.09	22.25	0.451	1.61	64.06	13.62	1.36	889	0
6/25/2014 22:30	69368	15	176	2.924	120.5	11.84	4.842	116.5	6.294	9.04	115.4	2.571	20.8	21.19	22.18	0.393	1.379	67.45	14.57	1.587	889	0
6/25/2014 22:45	69369	15	176	3.662	118.3	11.6	5.513	114.7	7.108	9.73	115	2.853	21.23	21.48	22.01	0.257	0.778	70.74	15.72	1.628	889	0
6/25/2014 23:00	69370	15	176	3.411	123.3	11.49	5.42	118.8	7.378	8.64	116.7	3.982	21.32	21.56	21.7	0.242	0.385	75.02	16.73	1.418	889	0
6/25/2014 23:15	69371	15	176	3.368	128	12.13	5.138	123.4	7.925	8.07	119.9	5.276	21.46	21.72	21.81	0.261	0.355	74.67	16.79	1.337	889	0
6/25/2014 23:30	69372	15	176	3.333	134.9	12.65	5.059	131.2	8.08	7.904	127.2	5.057	21.42	21.72	21.8	0.301	0.379	72.79	16.35	1.37	889	0
6/25/2014 23:45	69373	15	176	3.501	133.6	11.96	5.372	129.6	7.871	8.45	127.2	5.055	21.46	21.75	21.81	0.293	0.347	72.05	16.23	1.377	889	0
6/26/2014 0:00	69374	15	177	3.937	133.1	11.28	5.848	128.4	7.636	8.71	127.5	5.165	21.53	21.79	21.86	0.261	0.334	71.28	16.13	1.344	889	0
6/26/2014 0:15	69375	15	177	3.925	133.9	11.76	5.787	130.5	7.547	8.78	130	4.938	21.57	21.83	21.94	0.26	0.372	70.41	15.97	1.706	889	0
6/26/2014 0:30	69376	15	177	3.864	140	11.93	6.047	135.9	7.857	9.07	134.1	4.949	21.68	21.97	22.05	0.283	0.371	69.73	15.93	1.551	889	0
6/26/2014 0:45	69377	15	177	3.496	139.8	11.9	5.321	134	7.354	8.39	133.7	4.811	21.63	21.93	22.04	0.294	0.404	70.41	16.03	1.442	889	0
6/26/2014 1:00	69378	15	177	3.449	143.8	12.71	5.37	137.4	7.802	8.51	136.2	5.083	21.5	21.8	21.92	0.295	0.42	71.76	16.21	1.506	889	0
6/26/2014 1:15	69379	15	177	3.712	146.4	12.25	5.721	141.6	7.448	8.69	139.5	5.046	21.56	21.82	21.86	0.254	0.294	72.94	16.52	1.494	888	0
6/26/2014 1:30	69380	15	177	4.087	146.9	11.88	6.234	142	7.819	9.23	139.1	5.009	21.75	21.98	21.93	0.23	0.183	74.22	16.98	1.695	888	0
6/26/2014 1:45	69381	15	177	4.152	145.4	12.33	6.163	140.2	8.39	9.13	138	5.334	21.68	21.89	21.83	0.212	0.153	75.67	17.21	1.496	888	0
6/26/2014 2:00	69382	15	177	3.938	148.7	12.17	6.054	143.1	7.407	8.69	141.1	5.201	21.41	21.64	21.54	0.227	0.128	77.85	17.4	1.383	888	0
6/26/2014 2:15	69383	15	177	3.525	152.5	13.12	5.621	146.7	8.29	8.27	144.9	6.009	21.21	21.46	21.39	0.248	0.178	79.89	17.62	1.242	888	0
6/26/2014 2:30	69384	15	177	2.785	174.5	15.45	4.134	170.3	12.23	6.306	163.2	10.13	20.95	21.25	21.19	0.303	0.244	81.6	17.69	1.256	888	0
6/26/2014 2:45	69385	15	177	2.157	201	11.56	3.384	196.5	7.175	4.987	185.8	6.104	20.46	20.87	20.81	0.416	0.351	83.4	17.57	0.939	888	0
6/26/2014 3:00	69386	15	177	1.337	183	9.59	2.594	183.6	6.845	4.571	181.4	4.342	19.62	20.32	20.5	0.692	0.878	86.1	17.25	0.775	888	0
6/26/2014 3:15	69387	15	177	1.168	152.8	23.74	2.495	163.9	13.68	4.313	169.4	8.98	18.82	19.97	20.34	1.148	1.52	89.1	17.01	0.819	888	0
6/26/2014 3:30	69388	15	177	1.354	166	28.24	2.834	157.9	15.92	4.657	157.6	8.8	18.55	19.72	20.13	1.168	1.579	91	17.07	0.995	888	0
6/26/2014 3:45	69389	15	177	1.022	167.4	18.35	2.49	164	7.735	4.433	161	4.011	18.24	19.4	19.87	1.159	1.632	91.9	16.91	1.043	888	0
6/26/2014 4:00	69390	15	177	0.839	199.4	49.79	2.063	166.1	16.56	3.94	161.9	9	17.94	19.14	19.67	1.199	1.726	92.9	16.79	0.885	888	0
6/26/2014 4:15	69391	15	177	0.734	182.5	55.79	1.902	189.2	13.41	3.735	174.2	7.537	17.58	19.01	19.4	1.429	1.823	93.2	16.48	0.721	888	0
6/26/2014 4:30	69392	15	177	1.115	125.4	13.98	2.479	158.6	3.435	4.242	162.8	3.48	16.8	18.82	19.23	2.013	2.427	94.7	15.96	0.835	888	0
6/26/2014 4:45	69393	15	177	1.232	147.1	12.76	3.002	156.6	3.169	4.51	163.9	2.39	17.08	18.54	19.19	1.466	2.118	95.8	16.42	1.372	888	0
6/26/2014 5:00	69394	15	177	1.194	140.2	9.84	2.682	146.1	6.299	4.988	152.6	4.748	17.49	18.4	19.04	0.908	1.548	95.7	16.81	3.744	888	0
6/26/2014 5:15	69395	15	177	1.168	126	12.62	2.631	127.3	7.795	5.613	140	2.968	17.41	18	19.09	0.59	1.681	96	16.78	15.8	888	0
6/26/2014 5:30	69396	15	177	1.347	110	16.06	2.439	113.7	9.81	5.19	126.7	5.507	18.21	18.42	18.93	0.209	0.725	95.9	17.56	61.67	888	0
6/26/2014 5:45	69397	15	177	1.137	102.3	23.04	1.783	106.2	14.36	4.103	116.2	5.19	18.78	18.69	18.61	-0.096	-0.176	94.9	17.97	112.5	888	0
6/26/2014 6:00	69398	15	177	2.183	117.7	12.38	3.288	114.2	7.975	5.444	116.9	3.53	19.5	19.26	19.24	-0.238	-0.255	93.2	18.38	173.1	888	0
6/26/2014 6:15	69399	15	177	3.154	121.1	12.65	4.547	117	7.087	6.318	117	4.311	20.41	20.11	19.91	-0.301	-0.498	87.8	18.33	251.1	888	0
6/26/2014 6:30	69400	15	177	3.552	130.3	12.69	5.079	125.3	6.62	6.213	123.2	4.108	21.3	20.9	20.51	-0.401	-0.795	82	18.13	292.2	888	0
6/26/2014 6:45	69401	15	177	3.857	132.6	11.84	5.426	126	6.554	6.259	121	4.747	22.08	21.59	21.17	-0.496	-0.91	76.92	17.86	346.6	888	0
6/26/2014 7:00	69402	15	177	3.511	140.7	13.96	4.946	135.1	9.9	5.729	135.4	7.861	23.14	22.55	22.06	-0.588	-1.081	70.1	17.39	410.2	888	0
6/26/2014 7:15	69403	15	177	3.566	152.5	12.64	5.113	147.2	8.41	5.957	146.4	6.417	24.13	23.48	22.9	-0.653	-1.238	62.21	16.46	474	888	0
6/26/2014 7:30	69404	15	177	3.903	161.7	12.52	5.519	157.3	8.38	6.248	156.2	7.357	24.79	24.08	23.49	-0.711	-1.299	55.67	15.34	537.8	888	0
6/26/2014 7:45	69405	15	177	4.022	178.2	13.66	5.406	174.3	10.46	6.42	170	8.45	25.46	24.68	24.01	-0.777	-1.45	52.26	14.98	599.9	888	0
6/26/2014 8:00	69406	15	177	4.001	169.4	14.48	5.425	165.8	10.86	6.037	165.1	8.7	25.89	24.92	24.31	-0.979	-1.586	51.88	15.27	661.8	888	0
6/26/2014 8:15	69407	15	177	3.741	168.4	16.18	4.979	164.7	11.93	5.834	162.9	9.09	26.55	25.53	24.78	-1.022	-1.774	50.06	15.31	720.9	888	0
6/26/2014 8:30	69408	15	177	3.639	172	18.63	4.828	167.7	15.03	5.541	165.6	11.86	27.31	26.24	25.45	-1.07	-1.867	46.89	15	775.7	888	0
6/26/2014 8:45	69409	15	177	3.844	176.2	17.5	4.87	169.6	13.69	5.477	164.1	11.91	27.74	26.72	25.96	-1.019	-1.775	44.95	14.73	830	888	0
6/26/2014 9:00	69410	15	177	3.633	181.2	22.86	4.692	175.5	20.65	5.42	173.3	17.88	28.32	27.13	26.38	-1.19	-1.94	42.99	14.55	884	888	0
6/26/2014 9:15	69411	15	177	3.323	191.8	19.01	4.478	186.3	16.52	5.412	182.2	12.78	29.16	27.81	27.02	-1.354	-2.144	40.1	14.24	937	888	0
6/26/2014 9:30	69412	15	177	3.437	184.8	18.86	4.551	176.8	16.29	5.266	170.6	14.32	29.58	28.37	27.56	-1.213	-2.015	38.29	13.9	980	888	0
6/26/2014 9:45	69413	15	177	2.974	181.4	23.8	3.756	176.1	21.01	4.47	169.2	21.4	30.2	28.88	28.12	-1.313	-2.078	36.45	13.69	1019	888	0
6/26/2014 10:00	69414	15	177	3.134	177.5	27.53	4.096	173.3	25.16	4.807	173.5	19.22	30.66	29.36	28.53	-1.304	-2.133	35.29	13.6	1055	887	0
6/26/2014 10:15	69415	15	177	3.211	179.2	18.11	3.979	174.1	15.9	4.492	169.7	15.06	31.08	29.84	28.88	-1.238	-2.198	34.43	13.59	1091	887	0
6/26/2014 10:30	69416	15	177	2.428	169	31.16	3.055	162.8	24.84	3.495	157.7	17.39	31.15	30	29.25	-1.146	-1.898	33.69	13.31	1126	887	0
6/26/2014 10:45	69417	15	177	3.072	180.2	29.13	3.883	175.7	26.75	4.226	170.6	21.61	31.98	30.6	29.72	-1.377	-2.265	32.41	13.44	1158	887	0
6/26/2014 11:00	69418	15	177	2.953	177	31.61	3.854	172.2	29.28	4.306	164.7	24.01	32.67	31.1	30.26	-1.57	-2.416	31.29	13.5	1182	887	0
6/26/2014 11:15	69419	15	177	2.951	169	32.4	3.949	165.9	30.77	4.812	165.9	26.36	33.4	31.81	30.93	-1.595	-2.476	30.19	13.58	1199	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/26/2014 11:30	69420	15	177	2.468	166.5	37.11	3.11	162.1	29.94	3.812	167	24.06	33.38	32.05	31.17	-1.326	-2.201	28.65	12.75	1215	886	0
6/26/2014 11:45	69421	15	177	2.31	207.9	43.51	2.89	197.4	39.35	3.49	181.4	30.22	33.65	32.47	31.56	-1.185	-2.094	27.05	12.11	1227	886	0
6/26/2014 12:00	69422	15	177	2.231	208	52.9	2.893	194.5	49.68	3.009	199	46.06	33.87	32.71	32.02	-1.162	-1.854	25.58	11.44	1233	886	0
6/26/2014 12:15	69423	15	177	3.095	158.2	26.41	4.006	153.7	22.86	4.524	150.4	22.27	34.82	33.36	32.47	-1.46	-2.347	25.54	12.22	1228	886	0
6/26/2014 12:30	69424	15	177	2.999	162.5	38.6	3.785	155.7	34.15	4.361	147.2	26.76	35.01	33.56	32.78	-1.444	-2.231	24.42	11.71	1227	885	0
6/26/2014 12:45	69425	15	177	2.78	128.6	28.73	3.586	120.4	25.1	4.43	118.5	19.38	35.82	34.33	33.25	-1.488	-2.573	22.83	11.36	1217	885	0
6/26/2014 13:00	69426	15	177	1.956	182.6	63.52	2.393	171.3	68.67	2.815	177	55.8	35.36	34.34	33.53	-1.02	-1.829	21.97	10.41	1202	885	0
6/26/2014 13:15	69427	15	177	2.626	164.9	37.33	3.523	158.4	32.06	4.006	158.4	27.42	36.16	34.69	33.88	-1.473	-2.279	21.9	11.01	1186	885	0
6/26/2014 13:30	69428	15	177	3.008	199.2	23.32	3.832	197.5	20.18	4.662	193.1	15.39	36.68	35.23	34.28	-1.45	-2.408	20.68	10.59	1159	884	0
6/26/2014 13:45	69429	15	177	2.651	217.3	48.32	3.225	210.2	39.52	3.6	199.8	27.05	36.25	35.17	34.29	-1.077	-1.959	19.93	9.67	1146	884	0
6/26/2014 14:00	69430	15	177	2.868	179.7	46.75	3.634	175.8	40.88	4.025	163.6	34.71	36.34	35.19	34.33	-1.151	-2.014	20.35	10.07	1112	884	0
6/26/2014 14:15	69431	15	177	2.315	173.7	76.72	2.915	179	73.46	3.237	164.6	62.37	36.56	35.38	34.55	-1.181	-2.01	20.12	10.07	1082	883	0
6/26/2014 14:30	69432	15	177	2.367	258.9	72.44	2.83	250.1	66.85	3.356	246.2	47.84	36.69	35.76	34.86	-0.926	-1.826	19.56	9.76	1058	883	0
6/26/2014 14:45	69433	15	177	2.743	187.4	51.65	3.435	181.2	45.3	3.942	178.2	35.25	36.9	35.89	35.12	-1.008	-1.778	18.7	9.25	882	883	0
6/26/2014 15:00	69434	15	177	2.978	180.2	24.82	3.999	175	23.26	4.747	167.2	18.19	36.13	35.43	34.81	-0.703	-1.321	18.56	8.53	333.1	883	0
6/26/2014 15:15	69435	15	177	4.706	199.4	22.92	6.257	193.8	20.01	7.626	190.6	17.7	37.09	35.71	34.7	-1.377	-2.388	19.16	9.77	1026	883	0
6/26/2014 15:30	69436	15	177	6.06	191.1	14.96	8.28	186.1	10.45	9.9	182.3	7.915	37.16	35.81	34.75	-1.347	-2.408	18.76	9.52	879	883	0
6/26/2014 15:45	69437	15	177	5.042	188.6	13.82	6.731	183.6	10.08	7.918	178.5	9.14	37.02	35.84	34.93	-1.187	-2.092	18.25	9	804	883	0
6/26/2014 16:00	69438	15	177	4.137	181.3	14.79	5.702	177.4	11.62	7.005	171	8.47	36.92	35.73	34.88	-1.189	-2.039	18.17	8.85	742.9	883	0
6/26/2014 16:15	69439	15	177	3.842	167.5	16.59	5.136	164.6	13.84	5.906	163.2	12.06	36.9	35.84	35.1	-1.054	-1.8	17.4	8.19	687	882	0
6/26/2014 16:30	69440	15	177	3.175	163	16.8	4.259	158.2	13.04	5.037	152	11.4	36.82	35.86	35.19	-0.966	-1.633	16.91	7.709	628.9	882	0
6/26/2014 16:45	69441	15	177	3.028	172.1	22.94	3.964	169.8	20.38	4.726	168.6	14.63	36.86	36.05	35.34	-0.802	-1.513	16.45	7.331	563.9	882	0
6/26/2014 17:00	69442	15	177	3.762	174.5	20.68	5.108	170	19.99	6.131	167.1	18.45	36.87	36.15	35.46	-0.718	-1.405	16.17	7.092	498.5	882	0
6/26/2014 17:15	69443	15	177	4.055	176.8	16.47	5.526	170.8	15.78	6.683	165	12.97	36.67	36.13	35.46	-0.542	-1.214	16.56	7.281	427.5	882	0
6/26/2014 17:30	69444	15	177	6.063	162.2	12.38	8.6	157.3	8.97	10.2	152.5	6.309	35.43	34.92	34.26	-0.512	-1.176	25.38	12.33	357.2	882	0
6/26/2014 17:45	69445	15	177	6.405	161.3	12.6	9.33	156.3	8.92	11.54	152.2	6.059	34.44	34.02	33.37	-0.425	-1.073	30.82	14.79	284.4	882	0
6/26/2014 18:00	69446	15	177	6.386	154.8	12.75	9.31	149.8	9.53	11.89	144.7	7.871	33.8	33.52	32.94	-0.28	-0.865	32.01	14.82	219.1	882	0
6/26/2014 18:15	69447	15	177	6.158	151.5	12.67	9.08	145.5	8.24	12.39	141.7	5.484	33.16	32.99	32.48	-0.169	-0.689	33.03	14.76	162.3	882	0
6/26/2014 18:30	69448	15	177	6.496	145.2	13.7	9.58	140.1	9.25	12.63	135.8	6.624	32.5	32.42	31.96	-0.087	-0.544	35.28	15.2	106.6	882	0
6/26/2014 18:45	69449	15	177	6.165	143.9	12.71	9.03	139	8.4	12.36	135.8	5.812	31.89	31.88	31.51	-0.014	-0.38	37.92	15.79	56.42	882	0
6/26/2014 19:00	69450	15	177	6.406	142.7	13.56	9.31	138.2	9.67	12.39	134	6.374	31.66	31.71	31.42	0.055	-0.234	38.33	15.76	19.81	882	0
6/26/2014 19:15	69451	15	177	6.649	142.5	11.16	9.65	138.4	7.898	12.74	135.3	5.221	31.4	31.51	31.28	0.111	-0.118	39	15.8	5.312	882	0
6/26/2014 19:30	69452	15	177	5.524	148.6	12.92	8.16	143.1	8.32	11.17	138.2	6.107	31.14	31.32	31.14	0.177	-0.006	39.18	15.64	2.073	882	0
6/26/2014 19:45	69453	15	177	5.448	144.9	12.61	7.943	140.1	8.12	10.94	136.9	5.759	30.89	31.09	30.94	0.203	0.051	37.14	14.59	1.699	882	0
6/26/2014 20:00	69454	15	177	6.418	148.5	11.91	9.54	143.8	7.321	12.96	139.9	4.975	30.63	30.81	30.62	0.177	-0.016	35.28	13.57	1.991	882	0
6/26/2014 20:15	69455	15	177	6.196	148.7	12.47	9.18	143.4	7.657	12.36	140.6	5.446	29.96	30.12	29.91	0.163	-0.047	37.77	14.01	1.609	883	0
6/26/2014 20:30	69456	15	177	6.29	150.7	13.22	9.31	145.5	7.714	12.35	142.3	5.951	29.5	29.66	29.43	0.157	-0.071	41.51	15.08	1.745	883	0
6/26/2014 20:45	69457	15	177	6.406	149.8	11.94	9.62	145.4	7.217	12.76	142	5.371	29.05	29.19	28.94	0.137	-0.113	44.57	15.78	1.753	883	0
6/26/2014 21:00	69458	15	177	6.299	150.4	11.53	9.59	145.4	8.05	13.38	141.7	5.449	28.45	28.59	28.36	0.134	-0.094	46.86	16.02	1.785	883	0
6/26/2014 21:15	69459	15	177	6.432	150.8	12.45	9.63	145.7	8.18	13.08	142.9	5.518	27.97	28.09	27.84	0.114	-0.131	48.17	16.02	1.958	883	0
6/26/2014 21:30	69460	15	177	6.675	149.2	12.82	10.02	144.4	8.04	13.14	141.1	5.973	27.65	27.77	27.53	0.118	-0.128	48.83	15.94	2.008	883	0
6/26/2014 21:45	69461	15	177	6.515	148.8	11.86	9.6	144	8.02	12.96	141.4	5.216	27.27	27.39	27.16	0.126	-0.11	49.9	15.92	1.954	883	0
6/26/2014 22:00	69462	15	177	6.428	148.8	12.74	9.75	145	8.25	13.13	141.3	5.602	26.91	27.03	26.79	0.118	-0.115	51.26	16.02	1.938	883	0
6/26/2014 22:15	69463	15	177	6.344	152.3	12.99	9.53	147.4	8.1	12.95	143.6	5.909	26.59	26.7	26.45	0.112	-0.135	52.87	16.21	1.92	883	0
6/26/2014 22:30	69464	15	177	6.344	153.7	12.26	9.31	148.2	8.35	12.92	144.9	5.704	26.32	26.4	26.16	0.084	-0.159	54.48	16.43	2.05	883	0
6/26/2014 22:45	69465	15	177	6.727	159.8	12.58	9.93	154.4	8.48	13.12	150.6	5.67	26.22	26.28	26.01	0.063	-0.216	55.26	16.56	1.875	884	0
6/26/2014 23:00	69466	15	177	6.901	157	11.87	9.99	152.9	7.493	12.85	149.4	5.639	25.95	26.02	25.72	0.065	-0.232	56.23	16.58	1.953	884	0
6/26/2014 23:15	69467	15	177	6.432	153.9	11.7	9.45	149	7.847	12.84	145.4	5.854	25.56	25.64	25.38	0.08	-0.181	57.94	16.69	1.99	883	0
6/26/2014 23:30	69468	15	177	5.693	148.6	12.57	8.47	144	7.687	11.37	142.2	5.972	25.26	25.36	25.11	0.098	-0.151	59.19	16.74	1.776	883	0
6/26/2014 23:45	69469	15	177	5.677	150.5	12.12	8.48	145.1	7.964	11.71	141.9	6.134	25.08	25.17	24.92	0.09	-0.152	60.14	16.82	1.742	883	0
6/27/2014 0:00	69470	15	178	5.225	150.8	12.31	7.765	145.7	7.702	10.49	141.4	5.363	24.83	24.94	24.68	0.102	-0.156	60.99	16.82	1.695	883	0
6/27/2014 0:15	69471	15	178	5.25	149.6	12.92	7.806	143.8	8.22	10.57	140.9	5.955	24.55	24.66	24.41	0.108	-0.135	62.39	16.91	1.747	883	0
6/27/2014 0:30	69472	15	178	4.861	147.4	12.61	7.272	141.7	8.28	10.33	138.9	5.526	24.23	24.36	24.14	0.125	-0.093	63.86	16.98	1.625	883	0
6/27/2014 0:45	69473	15	178	5.147	147.5	12.89	7.659	142.8	7.603	10.22	139.5	5.236	24.05	24.16	23.94	0.114	-0.106	64.87	17.05	1.531	883	0
6/27/2014 1:00	69474	15	178	4.922	146.3	12.29	7.375	142.3	8.12	9.98	138.8	5.762	23.85	23.97	23.74	0.124	-0.106	65.74	17.07	1.56	883	0
6/27/2014 1:15	69475	15	178	5.197	143.2	12.28	7.76	137.7	8.37	10.47	134.8	5.802	23.66	23.78	23.55	0.116	-0.108	66.72	17.13	1.629	883	0
6/27/2014 1:30	69476	15	178	4.612	143.9	12.67	6.918	139	8.13	9.6	136.4	5.482	23.44	23.58	23.4	0.14	-0.045	67.53	17.11	1.619	883	0
6/27/2014 1:45	69477	15	178	4.648	144.4	12.67	6.991	140.5	7.563	9.96	136.9	5.421	23.26	23.42	23.24	0.153	-0.025	68.34	17.13	1.524	883	0
6/27/2014 2:00	69478	15	178	4.592	148.3	12.5	7.11	142.3	7.779	9.8	138.7	5.28	22.97	23.11	22.91	0.141	-0.059	69.89	17.2	1.59	883	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/27/2014 2:15	69479	15	178	4.659	149.9	12.38	7.299	143.9	7.349	10.16	140.3	4.966	22.78	22.93	22.77	0.149	-0.015	70.92	17.25	1.576	883	0
6/27/2014 2:30	69480	15	178	4.852	149.9	12.03	7.261	144.3	7.322	10.35	141.4	4.883	22.65	22.78	22.63	0.136	-0.016	71.28	17.2	1.849	882	0
6/27/2014 2:45	69481	15	178	4.41	152.8	11.69	6.718	146.2	7.329	9.66	143.4	5.096	22.52	22.69	22.62	0.169	0.098	71.4	17.11	1.502	882	0
6/27/2014 3:00	69482	15	178	4.396	151.6	12.09	6.597	147	7.829	9.66	143.2	4.633	22.41	22.59	22.52	0.177	0.11	71.33	16.98	1.483	882	0
6/27/2014 3:15	69483	15	178	4.297	153.1	12.29	6.4	145.8	7.835	9.45	141.7	4.927	22.25	22.42	22.35	0.172	0.098	72.03	16.98	1.437	882	0
6/27/2014 3:30	69484	15	178	3.772	155.4	13.46	5.806	147.9	9.44	9.18	141.8	4.802	22.07	22.28	22.29	0.207	0.215	72.44	16.9	1.63	883	0
6/27/2014 3:45	69485	15	178	3.622	156.2	13.06	5.513	148.6	9.47	8.66	143.3	5.357	22.08	22.27	22.23	0.188	0.151	72.56	16.94	1.462	883	0
6/27/2014 4:00	69486	15	178	3.982	149.3	12.19	6.129	143.4	7.815	8.91	140.4	5.147	22.08	22.26	22.15	0.172	0.064	72.42	16.91	1.464	883	0
6/27/2014 4:15	69487	15	178	4.154	145.6	13.02	6.27	139.6	8.09	9.39	138.9	4.747	22.04	22.2	22.16	0.162	0.123	72.41	16.86	1.59	883	0
6/27/2014 4:30	69488	15	178	3.524	147.1	12.13	5.413	142	7.921	8.28	140.9	4.79	21.85	22.08	22.14	0.232	0.294	73.03	16.81	1.349	883	0
6/27/2014 4:45	69489	15	178	3.784	149.2	11.59	5.954	144.5	7.111	8.37	146.5	5.31	21.96	22.26	22.47	0.298	0.508	72.55	16.82	2.632	883	0
6/27/2014 5:00	69490	15	178	2.903	224.1	53.62	4.161	212.8	50.76	5.332	190.9	43.21	22.23	22.36	22.24	0.126	0.006	71.02	16.75	10.95	883	0
6/27/2014 5:15	69491	15	178	2.944	149.8	14.29	4.443	148.7	11.54	5.981	148.2	7.054	22	22.43	22.52	0.432	0.516	71.22	16.57	31.39	883	0
6/27/2014 5:30	69492	15	178	2.448	152.5	14.34	3.989	148.5	8.52	5.752	151.5	6.34	22.21	22.57	22.83	0.359	0.62	70.74	16.66	66.56	883	0
6/27/2014 5:45	69493	15	178	2.282	163.5	12.31	3.66	155	8.95	5.506	153.5	5.156	22.4	22.73	22.96	0.331	0.559	69.26	16.51	78.79	883	0
6/27/2014 6:00	69494	15	178	2.64	159.4	9.35	4.025	153.9	5.583	6.076	152.7	3.383	22.67	22.84	23.02	0.172	0.35	68.69	16.63	133.5	883	0
6/27/2014 6:15	69495	15	178	3.186	157.1	10.79	4.631	151.1	6.056	6.412	151.8	4.367	23.49	23.43	23.32	-0.062	-0.172	65.08	16.57	198	883	0
6/27/2014 6:30	69496	15	178	3.151	164.4	11.53	4.363	156	7.677	5.608	155	5.906	24.46	24.12	23.66	-0.348	-0.801	61.5	16.6	336.3	883	0
6/27/2014 6:45	69497	15	178	2.942	172	12.95	3.991	165.9	9.36	4.81	166	7.198	25.59	25.05	24.49	-0.537	-1.101	56.42	16.29	436.2	883	0
6/27/2014 7:00	69498	15	178	2.981	176.7	12.87	4.025	172	9.53	4.697	171.1	8.41	26.41	25.92	25.43	-0.488	-0.979	51.31	15.56	417.3	883	0
6/27/2014 7:15	69499	15	178	2.661	178.8	12.4	3.571	174.8	8.64	4.259	169.8	6.271	26.79	26.47	26	-0.315	-0.789	48.56	15.05	341.5	883	0
6/27/2014 7:30	69500	15	178	2.662	185.2	13.76	3.651	179.9	9.86	4.208	174.2	6.9	27.33	27.01	26.5	-0.319	-0.827	45.5	14.54	333.3	883	0
6/27/2014 7:45	69501	15	178	2.363	187.7	11.95	3.257	183.6	8.97	3.955	178.3	6.395	27.45	27.28	26.84	-0.169	-0.609	44.36	14.26	300.7	883	0
6/27/2014 8:00	69502	15	178	3.206	185.2	12.56	4.287	181.7	9.66	4.805	177.3	7.049	28.45	27.83	27.26	-0.623	-1.195	41.36	14.07	587.6	883	0
6/27/2014 8:15	69503	15	178	3.547	183.3	14.08	4.757	179.6	9.85	5.399	180.9	7.821	29.33	28.57	27.91	-0.763	-1.42	38.56	13.78	608.4	883	0
6/27/2014 8:30	69504	15	178	3.27	192	17.75	4.499	186	14.82	5.355	184.5	13.73	29.67	28.86	28.15	-0.813	-1.529	37.07	13.46	718	883	0
6/27/2014 8:45	69505	15	178	3.522	186.5	15.33	4.736	181.1	10.76	5.483	181.2	9.61	30.15	29.48	28.84	-0.664	-1.308	34.22	12.67	535.7	883	0
6/27/2014 9:00	69506	15	178	3.687	218.1	15.26	4.908	214.9	12.55	5.92	211.7	11.9	31.43	30.67	29.94	-0.762	-1.49	27.81	10.59	770.7	883	0
6/27/2014 9:15	69507	15	178	3.373	233.2	17.79	4.569	229.9	16.44	5.691	227.8	13.51	31.92	31.32	30.64	-0.607	-1.282	23.75	8.7	691.5	883	0
6/27/2014 9:30	69508	15	178	3.549	229.1	16.67	4.597	224.5	13.71	5.516	221.4	11.37	33.05	32.1	31.22	-0.953	-1.833	22.85	9.06	1008	883	0
6/27/2014 9:45	69509	15	178	4.425	238.2	16.83	5.886	235.7	12.31	7.066	232.6	10.57	33.8	32.73	31.94	-1.072	-1.866	19.88	7.623	1052	883	0
6/27/2014 10:00	69510	15	178	5.039	242.2	14.47	6.902	239.7	12.06	8.39	237.7	11.5	34.51	33.36	32.46	-1.156	-2.057	17.58	6.419	1047	883	0
6/27/2014 10:15	69511	15	178	4.812	253.5	18.25	6.996	250.6	14.18	8.28	248.1	9.59	34.95	33.66	32.68	-1.29	-2.263	15.82	5.242	1096	883	0
6/27/2014 10:30	69512	15	178	3.973	266	17.56	5.469	262.7	16.1	6.536	257.8	10.45	35.15	33.92	33.02	-1.227	-2.122	15.95	5.525	1121	883	0
6/27/2014 10:45	69513	15	178	4.318	274.3	18.95	6.136	271.3	16.36	7.128	266.9	12.79	35.69	34.36	33.34	-1.332	-2.346	15.61	5.642	1156	883	0
6/27/2014 11:00	69514	15	178	4.1	270.9	19.77	5.693	267.1	17.34	6.471	261.1	14.14	35.69	34.41	33.41	-1.279	-2.273	16.03	6.019	1211	883	0
6/27/2014 11:15	69515	15	178	3.719	249.1	23.27	5.331	245	20.7	6.163	239	16.48	36.02	34.53	33.69	-1.49	-2.337	16.09	6.344	1208	883	0
6/27/2014 11:30	69516	15	178	4.991	247.8	21.74	6.915	247.4	18.55	8.38	246.3	14.85	36.58	35.13	34.15	-1.453	-2.428	14.59	5.36	1195	882	0
6/27/2014 11:45	69517	15	178	5.092	254	20.17	7.227	250.9	16.56	8.28	246.7	13.71	36.98	35.46	34.3	-1.519	-2.682	14.19	5.283	1224	882	0
6/27/2014 12:00	69518	15	178	4.636	261.4	20.78	6.466	258.9	17.74	7.803	250.9	14.86	36.88	35.29	34.27	-1.597	-2.614	14.37	5.39	1252	882	0
6/27/2014 12:15	69519	15	178	4.76	268.9	21.62	6.55	264.7	19.23	7.84	256.1	14.29	37.09	35.55	34.48	-1.543	-2.609	14.59	5.767	1236	882	0
6/27/2014 12:30	69520	15	178	5.068	263.9	15.18	7.347	261.5	10.83	8.53	255.2	8.7	37.36	35.83	34.63	-1.53	-2.73	14.49	5.882	1225	882	0
6/27/2014 12:45	69521	15	178	3.509	257	23.71	4.83	255.5	20.06	5.652	246.6	17.97	36.97	35.55	34.72	-1.417	-2.249	14.56	5.641	1227	882	0
6/27/2014 13:00	69522	15	178	4.144	263.9	26.53	5.97	260.3	22.61	6.841	257.7	17.97	37.66	36.21	35.18	-1.447	-2.474	14.21	5.832	1218	881	0
6/27/2014 13:15	69523	15	178	4.178	245.1	24.9	5.502	243	23.57	6.313	240.6	23.64	37.8	36.14	35.27	-1.662	-2.526	13.99	5.722	1219	881	0
6/27/2014 13:30	69524	15	178	2.93	239.7	28.21	3.899	235.3	20.66	4.733	234.5	18.75	37.63	36.25	35.31	-1.378	-2.324	14.21	5.817	1165	881	0
6/27/2014 13:45	69525	15	178	3.657	240.2	28.55	4.93	237.9	27.6	5.712	229.6	21.34	38.08	36.57	35.69	-1.506	-2.391	13.94	5.887	1167	881	0
6/27/2014 14:00	69526	15	178	3.495	251	22.33	4.824	247.3	18.38	5.592	239.5	13.12	37.95	36.63	35.8	-1.323	-2.149	13.87	5.713	1116	881	0
6/27/2014 14:15	69527	15	178	4.68	239.1	20.45	6.467	237.3	18.54	7.684	231.4	15.19	38.82	37.35	36.26	-1.466	-2.558	13.56	6.065	1101	880	0
6/27/2014 14:30	69528	15	178	5.956	253	18.88	8.36	250.8	15.09	9.79	246.3	12.62	38.81	37.29	36.33	-1.518	-2.477	12.08	4.386	1068	880	0
6/27/2014 14:45	69529	15	178	6.255	246	17.79	8.52	242.8	14.97	10.05	238.3	11.13	38.68	37.28	36.39	-1.397	-2.285	11.79	3.938	1011	880	0
6/27/2014 15:00	69530	15	178	5.466	234.8	23.16	7.677	231.8	21.35	9.19	227	18.53	38.84	37.51	36.51	-1.332	-2.329	11.18	3.311	965	880	0
6/27/2014 15:15	69531	15	178	5.469	254.6	16.84	7.873	252.2	13.78	9.39	247.1	11.44	38.95	37.65	36.66	-1.3	-2.293	9.72	1.424	930	880	0
6/27/2014 15:30	69532	15	178	5.959	262.9	14.79	8.91	261.3	12.25	10.83	256.9	9.16	39	37.79	36.75	-1.213	-2.247	9.03	0.425	873	879	0
6/27/2014 15:45	69533	15	178	5.905	261.7	19.1	8.49	257.3	15.7	10.49	251.4	11.68	38.84	37.74	36.79	-1.092	-2.042	9.33	0.76	823	879	0
6/27/2014 16:00	69534	15	178	5.408	241.1	15.36	7.536	237.7	12.47	9.3	229.5	11.09	38.73	37.74	36.94	-0.984	-1.787	9.24	0.534	757	879	0
6/27/2014 16:15	69535	15	178	5.19	254	14.73	7.78	252.8	12.54	9.33	246.4	12.82	38.74	37.74	36.94	-1.002	-1.803	9	0.16	707.4	879	0
6/27/2014 16:30	69536	15	178	5.533	255.4	17.38	7.936	253	15.34	9.72	248.3	13.23	38.6	37.78	36.93	-0.815	-1.672	8.48	-0.755	645.1	879	0
6/27/2014 16:45	69537	15	178	5.07	254.5	16.96	7.306	251.2	14.1	8.8	247.5	12.82	38.42	37.69	36.98	-0.723	-1.437	7.957	-1.737	582.8	879	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/27/2014 17:00	69538	15	178	5.351	264	14.09	8.42	260.9	11.31	10.58	256.2	7.698	38.44	37.81	37.09	-0.623	-1.348	7.039	-3.438	522.2	879	0
6/27/2014 17:15	69539	15	178	5.678	263.3	12.08	8.97	259.6	9.19	11.08	255.5	6.114	38.09	37.61	36.93	-0.479	-1.161	7.018	-3.708	449.6	879	0
6/27/2014 17:30	69540	15	178	5.399	258.6	13.34	8.19	255.8	9.93	10.18	250.6	7.751	37.84	37.49	36.86	-0.355	-0.982	6.87	-4.162	379.3	879	0
6/27/2014 17:45	69541	15	178	4.934	262.9	12.98	7.881	259.5	10.48	10.13	254.1	6.759	37.41	37.15	36.62	-0.254	-0.789	7.575	-3.154	307.6	879	0
6/27/2014 18:00	69542	15	178	4.99	260.5	12.69	7.692	257	10.55	10.19	251.4	7.991	37.03	36.92	36.47	-0.101	-0.557	7.978	-2.735	237.5	879	0
6/27/2014 18:15	69543	15	178	4.875	251.3	12.72	7.119	249.6	10.4	9.63	244.9	8.61	36.62	36.66	36.28	0.044	-0.334	8.55	-2.096	172	879	0
6/27/2014 18:30	69544	15	178	5.076	244	11.92	7.347	241.2	9.04	9.61	237.2	7.105	36.27	36.45	36.12	0.181	-0.146	8.37	-2.635	115.4	879	0
6/27/2014 18:45	69545	15	178	4.81	243.6	11.79	6.782	242.1	8.08	9.1	239.3	6.76	35.82	36.08	35.82	0.264	0.002	8.96	-2.042	65.65	879	0
6/27/2014 19:00	69546	15	178	4.024	244.5	11.22	5.955	242	8.46	8.51	238.7	5.186	35.24	35.65	35.54	0.41	0.303	9.44	-1.753	27.2	879	0
6/27/2014 19:15	69547	15	178	3.688	238.3	11.71	5.356	236.5	7.541	7.721	234.4	5.112	34.73	35.24	35.26	0.512	0.532	9.56	-1.972	6.769	880	0
6/27/2014 19:30	69548	15	178	2.509	228.6	11.17	3.938	231.9	7.8	6.663	230.7	4.867	33.59	34.43	34.78	0.833	1.184	10.39	-1.699	1.644	880	0
6/27/2014 19:45	69549	15	178	2.405	223.1	11.75	3.759	228.6	8.46	7.352	228	4.108	32.65	33.64	34.44	0.992	1.792	11.16	-1.462	1.243	880	0
6/27/2014 20:00	69550	15	178	1.185	210.1	6.861	2.646	214.4	5.423	6.788	221.7	1.805	30.7	32.44	34.34	1.743	3.634	13.31	-0.538	1.12	880	0
6/27/2014 20:15	69551	15	178	0.701	168.3	6.866	2.042	201.5	5.402	6.53	221.8	2.316	29.66	31.7	34.12	2.035	4.455	14.3	-0.372	1.182	880	0
6/27/2014 20:30	69552	15	178	0.645	163.6	10.72	1.91	199.9	5.542	6.686	217.6	1.986	28.89	30.94	33.7	2.051	4.809	15.17	-0.172	1.225	880	0
6/27/2014 20:45	69553	15	178	0.442	171.4	25.41	1.676	210.4	8.43	6.245	215.6	3.022	27.56	30.51	32.72	2.944	5.155	17.13	0.43	1.102	881	0
6/27/2014 21:00	69554	15	178	0.786	254.2	90.9	1.771	248.1	25.06	5.212	239.1	14.69	26.37	30.15	32.1	3.778	5.733	19.75	1.415	0.964	881	0
6/27/2014 21:15	69555	15	178	0.773	159.5	22.18	2.007	215	12.6	5.02	235.4	7.13	25.57	29.88	32.26	4.315	6.689	20.84	1.496	0.926	881	0
6/27/2014 21:30	69556	15	178	0.578	129.8	23.85	1.895	222	8.28	5.398	237.8	5.514	24.47	29.7	32.56	5.231	8.09	23.49	2.294	0.9	881	0
6/27/2014 21:45	69557	15	178	0.769	168.5	23.92	2.52	225	8.3	5.849	236.2	5.908	24.68	30.06	32.18	5.383	7.507	23.56	2.456	1.128	881	0
6/27/2014 22:00	69558	15	178	0.774	171.9	33.28	2.115	224.1	10.33	5.394	242.2	5.23	25.69	30.01	32.21	4.311	6.517	20.48	1.374	1.098	882	0
6/27/2014 22:15	69559	15	178	1.533	136.7	8.96	2.385	178.2	25.85	4.581	232.2	14.04	24.54	29.54	32.14	4.996	7.595	22.67	1.848	0.923	882	0
6/27/2014 22:30	69560	15	178	1.571	140.4	45.54	2.896	134.3	27.63	3.342	177.6	17.8	25.66	27.35	30.73	1.688	5.067	20.42	1.275	0.936	882	0
6/27/2014 22:45	69561	15	178	1.8	167.3	43.01	3.282	156.2	44.22	6.309	151.6	26.59	25.51	26.56	28.33	1.044	2.819	32.1	7.171	1.281	882	0
6/27/2014 23:00	69562	15	178	3.711	147.3	26.22	5.494	140.5	20.17	8.12	137	6.66	26	26.23	26.06	0.224	0.057	57.63	16.97	1.44	882	0
6/27/2014 23:15	69563	15	178	3.882	146.7	15.08	5.902	140.9	9.61	8.64	137.9	5.68	25.36	25.59	25.47	0.225	0.109	63.83	18.04	1.545	882	0
6/27/2014 23:30	69564	15	178	4.713	147.5	15.74	7.344	140.6	10.14	9.73	136.5	7.772	25.13	25.32	25.14	0.194	0.007	67.14	18.62	1.656	882	0
6/27/2014 23:45	69565	15	178	4.857	137	12.77	7.261	132.1	8.72	10.03	130.9	5.34	24.69	24.86	24.74	0.172	0.052	70.21	18.92	1.753	882	0
6/28/2014 0:00	69566	15	179	5.056	139.6	12.27	7.523	134.5	7.305	10.32	132.1	4.777	24.27	24.43	24.25	0.161	-0.018	72.97	19.13	1.693	882	0
6/28/2014 0:15	69567	15	179	4.895	142.1	11.86	7.387	135.6	7.734	10.38	132.9	4.951	23.92	24.06	23.89	0.147	-0.028	74.89	19.21	1.58	882	0
6/28/2014 0:30	69568	15	179	4.676	137.3	12.24	7.075	132.6	8.03	9.73	130.2	5.224	23.65	23.82	23.64	0.17	-0.008	75.83	19.15	1.648	882	0
6/28/2014 0:45	69569	15	179	4.626	137	12.23	6.82	132.6	7.506	9.4	131	5.113	23.43	23.61	23.46	0.176	0.035	76.25	19.03	1.575	882	0
6/28/2014 1:00	69570	15	179	3.931	137	12.73	5.928	131	8.45	8.68	129.1	6.103	23.22	23.44	23.34	0.217	0.126	76.36	18.85	1.316	882	0
6/28/2014 1:15	69571	15	179	4.14	133.9	12.01	6.013	127.3	7.354	8.74	125.6	4.748	23.01	23.2	23.12	0.191	0.115	77.25	18.82	1.396	882	0
6/28/2014 1:30	69572	15	179	3.563	140.8	11.91	5.449	134	7.989	8.09	130.8	5.332	22.78	23.05	23.05	0.269	0.273	77.59	18.68	1.364	882	0
6/28/2014 1:45	69573	15	179	2.78	148.7	15.25	4.483	140.1	10.02	7.212	135.7	6.008	22.61	22.93	22.96	0.316	0.347	77.52	18.5	1.333	882	0
6/28/2014 2:00	69574	15	179	4.014	143.4	12.99	6.104	138.3	8.08	9.07	135.7	4.712	22.68	22.93	22.92	0.256	0.248	77.27	18.51	1.646	882	0
6/28/2014 2:15	69575	15	179	3.536	145	12.49	5.449	138.5	7.465	7.915	135.5	5.848	22.5	22.8	22.79	0.3	0.289	77.53	18.39	1.387	882	0
6/28/2014 2:30	69576	15	179	3.634	141.1	12.91	5.382	134	7.89	8.22	132	4.855	22.34	22.57	22.58	0.239	0.244	78.46	18.42	1.5	882	0
6/28/2014 2:45	69577	15	179	3.155	143.2	13.16	5.004	137.1	8.01	7.875	134	4.963	22.03	22.34	22.44	0.309	0.407	79.62	18.36	1.354	882	0
6/28/2014 3:00	69578	15	179	3.059	144.5	14.75	4.638	138.4	9.63	7.35	135.7	6.083	21.99	22.27	22.29	0.277	0.301	79.71	18.34	1.184	882	0
6/28/2014 3:15	69579	15	179	3.11	148.4	13.42	5.003	141.3	8.45	7.791	137.7	5.646	21.89	22.18	22.22	0.287	0.33	79.83	18.27	1.256	882	0
6/28/2014 3:30	69580	15	179	3.135	151	12.75	4.945	144.4	8.14	7.4	140.2	5.664	21.77	22.09	22.09	0.32	0.321	80.3	18.25	1.393	882	0
6/28/2014 3:45	69581	15	179	3.019	148.7	13.34	4.907	142.2	8.76	7.939	139	4.549	21.59	21.92	22.05	0.333	0.469	80.8	18.17	1.364	882	0
6/28/2014 4:00	69582	15	179	2.9	141.7	11.75	4.61	135.5	7.486	7.529	136.1	3.728	21.39	21.75	22.08	0.36	0.69	81.4	18.08	1.258	882	0
6/28/2014 4:15	69583	15	179	2.17	145.7	12.4	3.769	137.1	6.884	6.935	135.3	3.102	20.89	21.36	22	0.473	1.115	83.4	17.97	1.223	882	0
6/28/2014 4:30	69584	15	179	1.881	149.5	14.83	3.565	139.5	7.358	6.953	138.6	2.959	20.64	21.2	22.12	0.555	1.481	84.1	17.89	1.374	883	0
6/28/2014 4:45	69585	15	179	1.427	154.2	13.68	2.902	139.9	7.47	6.47	139	2.869	20.24	20.88	22.09	0.636	1.844	85.2	17.69	1.669	883	0
6/28/2014 5:00	69586	15	179	1.464	154	15.86	3.133	139.9	8.42	6.939	141.6	2.918	20.25	20.89	22.31	0.638	2.062	84.7	17.61	6.278	883	0
6/28/2014 5:15	69587	15	179	1.412	149.2	15.96	2.992	134.8	8.22	6.396	145.3	3.335	20.3	20.89	22.78	0.583	2.482	83.5	17.42	24.87	883	0
6/28/2014 5:30	69588	15	179	0.787	168.2	23.38	1.878	136.9	11.34	5.424	147.7	2.931	20.31	20.77	22.96	0.457	2.649	83.3	17.41	64	883	0
6/28/2014 5:45	69589	15	179	0.892	167.9	17.17	1.907	146.4	11.68	5.263	147.5	3.743	20.86	21.18	22.54	0.32	1.682	80.9	17.48	113.5	883	0
6/28/2014 6:00	69590	15	179	0.772	166.2	28.29	1.419	146.5	18.51	4.405	142.5	6.458	21.81	21.79	22.61	-0.015	0.803	75.99	17.4	169.8	883	0
6/28/2014 6:15	69591	15	179	0.995	149.7	16.21	1.486	141.1	13.43	3.46	152.7	6.558	22.83	22.68	23.18	-0.145	0.357	71.47	17.41	231.5	883	0
6/28/2014 6:30	69592	15	179	1.499	175.9	19.81	2.052	170.8	17.68	3.036	167.3	11.62	23.74	23.43	23.18	-0.305	-0.551	66.71	17.19	294.9	884	0
6/28/2014 6:45	69593	15	179	1.427	177.1	13.39	1.772	170	11.14	2.213	163.2	9.81	24.59	24.23	23.78	-0.352	-0.81	61.6	16.74	360.2	884	0
6/28/2014 7:00	69594	15	179	1.677	188.6	16.66	2.048	181.6	12.58	2.23	188	11.68	25.6	25.11	24.67	-0.489	-0.931	55.72	16.1	424.7	884	0
6/28/2014 7:15	69595	15	179	1.635	205.5	17.27	2.073	202.3	14.38	2.383	207.3	12.78	26.73	26.21	25.68	-0.52	-1.047	49.26	15.22	489	884	0
6/28/2014 7:30	69596	15	179	1.767	228.3	16.73	2.089	222.8	13.58	2.274	226.3	11.55	27.38	26.88	26.37	-0.505	-1.007	44.31	14.18	552.7	884	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/28/2014 7:45	69597	15	179	1.794	248.7	24.39	2.144	243.9	21.08	2.377	239.7	15.69	27.96	27.4	26.77	-0.558	-1.188	41.81	13.79	614.8	884	0
6/28/2014 8:00	69598	15	179	1.674	257	29.52	2.074	255.7	24.39	2.312	258.9	18.15	28.37	27.86	27.35	-0.502	-1.015	40.23	13.56	677.3	884	0
6/28/2014 8:15	69599	15	179	1.763	279.1	21.64	2.11	274.9	17.65	2.424	264.5	20.11	29.29	28.69	28.03	-0.602	-1.255	36.27	12.81	735.7	884	0
6/28/2014 8:30	69600	15	179	2.013	289.3	26.81	2.179	286.9	21.78	2.285	282	14.16	30.03	29.44	28.88	-0.591	-1.148	32.19	11.62	792.9	884	0
6/28/2014 8:45	69601	15	179	2.118	287.1	20.22	2.614	286.4	17.67	2.581	282.7	14.04	30.78	30.05	29.45	-0.732	-1.335	29.67	11.05	848	884	0
6/28/2014 9:00	69602	15	179	2.21	285.2	20.14	2.575	281.4	14.96	2.793	277.4	10.12	31.08	30.38	29.77	-0.705	-1.31	28.21	10.56	902	884	0
6/28/2014 9:15	69603	15	179	1.985	286.2	26.27	2.484	283.9	22.96	2.782	280.7	14.29	31.86	31.09	30.48	-0.77	-1.382	23.95	8.73	953	884	0
6/28/2014 9:30	69604	15	179	2.136	301.3	27.05	2.36	298.1	23.81	2.6	293.3	21.34	32.23	31.7	30.99	-0.53	-1.242	21.33	7.312	997	885	0
6/28/2014 9:45	69605	15	179	2.457	314.4	28.91	2.966	316.6	27.04	3.161	311.2	20.17	32.73	31.83	30.97	-0.908	-1.765	21.71	8.03	1036	885	0
6/28/2014 10:00	69606	15	179	3.079	327.9	29.12	4.111	325.8	26.67	4.734	315.4	19.13	33.19	32.05	31.28	-1.138	-1.915	21.99	8.58	1075	885	0
6/28/2014 10:15	69607	15	179	3.134	304.2	26.55	3.582	303.2	24	3.947	297.1	17.85	33.78	32.69	31.96	-1.097	-1.823	18.56	6.593	1115	885	0
6/28/2014 10:30	69608	15	179	3.256	317.7	30.4	3.868	315.4	23.53	4.315	306.2	15.57	34.36	33.27	32.38	-1.09	-1.985	15.55	4.538	1150	885	0
6/28/2014 10:45	69609	15	179	3.093	311.6	25.78	3.393	309.2	23.49	3.955	304.6	19.76	34.56	33.47	32.55	-1.087	-2.011	15.63	4.764	1178	885	0
6/28/2014 11:00	69610	15	179	2.462	322.2	34.3	3.105	321.3	28.18	3.425	312.6	25.71	34.83	33.72	32.94	-1.105	-1.891	15.48	4.836	1199	885	0
6/28/2014 11:15	69611	15	179	2.785	315.8	28.3	3.258	315.7	22.8	3.732	304.2	22.09	35.4	34.17	33.24	-1.234	-2.161	15.22	5.046	1219	885	0
6/28/2014 11:30	69612	15	179	2.917	327.4	37.52	3.718	322.6	28.64	4.249	312	22.76	35.7	34.39	33.4	-1.314	-2.3	15.3	5.363	1234	885	0
6/28/2014 11:45	69613	15	179	1.961	330.4	53.76	2.388	329.9	46.94	2.49	309.4	42.67	35.32	34.25	33.59	-1.066	-1.727	15.06	4.834	1246	885	0
6/28/2014 12:00	69614	15	179	1.678	273.7	55.79	1.785	258.7	50.79	1.757	257.8	52.36	35.25	34.46	33.85	-0.79	-1.4	14.77	4.497	1249	885	0
6/28/2014 12:15	69615	15	179	1.831	340.4	86.1	2.135	300.9	82	2.255	298.1	60.13	35.86	34.87	34.19	-0.994	-1.675	14.27	4.478	1250	884	0
6/28/2014 12:30	69616	15	179	1.845	279	43.46	2.227	271.1	39.15	2.464	284.2	38.41	36.21	35.27	34.6	-0.94	-1.609	13.07	3.505	1247	884	0
6/28/2014 12:45	69617	15	179	2.194	275.9	34.58	2.323	272.8	32.99	2.367	273.1	29.3	36.51	35.57	34.87	-0.935	-1.644	12.53	3.145	1240	884	0
6/28/2014 13:00	69618	15	179	1.885	221.1	65.16	2.295	228.3	57.13	2.941	253.4	61.58	36.84	35.92	35.29	-0.924	-1.549	12.14	2.928	1231	884	0
6/28/2014 13:15	69619	15	179	3.111	219	26.57	3.904	211.7	22.64	4.404	202.6	20.06	37.4	35.84	35.04	-1.561	-2.361	11.14	2.168	1213	884	0
6/28/2014 13:30	69620	15	179	2.181	178.7	52.24	2.687	172.6	45.09	2.947	172.7	29.67	37.41	36.06	35.23	-1.35	-2.184	10.92	1.898	1191	884	0
6/28/2014 13:45	69621	15	179	2.114	238.3	40.02	2.581	231.8	36.73	2.827	217.7	59.87	37.4	36.43	35.5	-0.964	-1.897	10.87	1.823	1167	884	0
6/28/2014 14:00	69622	15	179	2.281	281.4	39.63	2.885	278.7	35.33	2.846	266	30.63	37.46	36.46	35.74	-1.006	-1.72	10.42	1.277	1124	884	0
6/28/2014 14:15	69623	15	179	1.985	237.8	73.45	2.209	238.2	73.14	2.351	229.6	51.24	37.22	36.18	35.7	-1.044	-1.526	10.51	1.222	1098	884	0
6/28/2014 14:30	69624	15	179	2.373	279.5	29.4	2.995	277	26.44	3.473	270.2	20.64	37.92	36.91	36.16	-1.011	-1.762	10.17	1.282	1059	883	0
6/28/2014 14:45	69625	15	179	1.597	284.6	61.8	2.077	283.4	49.65	2.396	283.3	36.86	37.39	36.73	36.11	-0.666	-1.288	10.39	1.189	1010	883	0
6/28/2014 15:00	69626	15	179	2.29	261.9	59.34	2.826	260.4	54.69	3.474	259.4	46.32	38.05	37.17	36.38	-0.882	-1.673	10.14	1.345	969	883	0
6/28/2014 15:15	69627	15	179	2.608	208.1	33.36	3.237	201.7	29.91	3.497	194.9	27.28	38.13	36.76	36.13	-1.372	-2.002	9.95	1.134	921	883	0
6/28/2014 15:30	69628	15	179	1.926	10.87	50.73	2.54	6.949	50.23	2.583	357.3	43.19	37.94	37.08	36.33	-0.856	-1.607	10.23	1.382	869	883	0
6/28/2014 15:45	69629	15	179	1.549	28.01	56.52	1.851	13.12	59.62	2.53	1.349	76.57	37.95	37.35	36.78	-0.599	-1.172	10.41	1.639	816	883	0
6/28/2014 16:00	69630	15	179	2.562	158.6	28.57	3.38	150.9	29.45	4.232	144.8	30.3	39.07	37.96	36.97	-1.108	-2.099	10	1.913	758.1	883	0
6/28/2014 16:15	69631	15	179	1.868	112.3	56.25	2.276	108.8	51.79	2.643	106.4	52.13	37.99	37.33	36.71	-0.658	-1.284	10.28	1.487	697.5	883	0
6/28/2014 16:30	69632	15	179	2.505	205.8	56.92	2.924	196.4	50.65	3.448	194	33.94	38.31	37.58	36.9	-0.726	-1.412	10.07	1.441	636.1	882	0
6/28/2014 16:45	69633	15	179	2.593	163.9	25.56	3.444	160	23.29	3.986	161.7	19.68	38.54	37.67	36.93	-0.87	-1.613	10.06	1.597	567.5	882	0
6/28/2014 17:00	69634	15	179	2.738	172.4	14.33	3.536	170.7	13.93	4.241	173.8	14.6	38.34	37.55	36.93	-0.783	-1.41	9.78	1.058	503.4	882	0
6/28/2014 17:15	69635	15	179	2.528	190.3	30.42	3.142	189.1	23.27	3.683	194	13.68	38.06	37.54	36.98	-0.527	-1.086	9.73	0.785	439.6	882	0
6/28/2014 17:30	69636	15	179	2.644	190.6	22.42	3.538	185.4	19.62	4.355	179.1	15.48	38.21	37.65	37.05	-0.569	-1.169	9.91	1.148	373.4	882	0
6/28/2014 17:45	69637	15	179	1.961	198	16.89	2.617	191	14.07	3.03	184.3	14.7	37.86	37.51	37.02	-0.354	-0.846	9.98	0.977	303.7	882	0
6/28/2014 18:00	69638	15	179	2.652	196.3	24.04	3.745	192.2	19.79	4.419	189.9	18.03	37.76	37.54	37.08	-0.217	-0.683	10	0.93	239.4	882	0
6/28/2014 18:15	69639	15	179	2.142	186.1	17.58	3.046	182.8	15.98	3.651	182	13.19	37.46	37.46	37.03	0.007	-0.422	10.14	0.897	177.4	882	0
6/28/2014 18:30	69640	15	179	1.692	200.5	15.91	2.657	198.2	12.82	3.667	197.3	10.42	36.88	37.27	37	0.384	0.118	10.91	1.473	118.1	883	0
6/28/2014 18:45	69641	15	179	1.402	203.7	14.79	2.469	204.4	8.02	3.52	203.5	7.2	36.03	36.92	36.89	0.893	0.854	11.74	1.852	65.13	883	0
6/28/2014 19:00	69642	15	179	1.138	196	13.81	2.521	204.7	8.25	4.438	202.1	4.417	34.58	36.32	36.78	1.741	2.204	13.55	2.745	25.29	883	0
6/28/2014 19:15	69643	15	179	1.427	201.6	8.91	3.07	201.9	5.674	5.995	203.8	2.822	33.71	35.64	36.45	1.924	2.737	13.74	2.264	6.021	883	0
6/28/2014 19:30	69644	15	179	1.081	209.5	12.51	2.801	210	5.858	6.35	210.9	4.154	32.99	34.97	36.45	1.981	3.454	14.22	2.177	1.692	883	0
6/28/2014 19:45	69645	15	179	0.911	153.8	17.1	2.448	187.2	9.78	5.466	202	2.628	31.03	34.1	35.81	3.071	4.777	16.53	2.698	1.042	883	0
6/28/2014 20:00	69646	15	179	0.762	128.3	6.878	2.782	165.8	10.42	5.241	201.6	1.961	29.32	33.31	36.07	3.992	6.747	19.69	3.823	0.814	884	0
6/28/2014 20:15	69647	15	179	1.418	131	8.7	3.868	143.5	3.305	5.246	185.4	5.622	28.42	32.45	35.32	4.028	6.896	21.18	4.131	1.051	884	0
6/28/2014 20:30	69648	15	179	1.918	135.9	8.29	4.137	143.2	3.858	6.301	180.9	2.353	29.45	31.98	35.26	2.529	5.812	19	3.423	1.16	884	0
6/28/2014 20:45	69649	15	179	1.813	132.5	7.76	4.195	140.9	3.114	6.647	178.3	2.435	28.57	31.42	34.96	2.85	6.385	19.85	3.336	1.156	884	0
6/28/2014 21:00	69650	15	179	1.945	135.4	9.41	4.313	141.7	3.819	7.137	176.2	3.038	28.69	31.14	33.97	2.459	5.288	19.7	3.317	1.255	884	0
6/28/2014 21:15	69651	15	179	1.489	142.8	11.64	3.911	145.6	4.213	7.622	177.8	2.446	28.26	30.46	33.59	2.203	5.329	20.24	3.346	1.293	885	0
6/28/2014 21:30	69652	15	179	1.422	142.4	10.76	3.776	145.9	3.986	8.02	175.8	2.6	27.66	30.09	33.5	2.421	5.833	21.63	3.801	1.3	885	0
6/28/2014 21:45	69653	15	179	1.41	143.7	15.79	3.777	140.3	3.99	7.655	170.4	3.867	27.36	29.56	32.9	2.2	5.536	22.5	4.113	1.259	885	0
6/28/2014 22:00	69654	15	179	2.972	126.5	16.8	5.343	121	10.9	8.78	132.2	15.7	28.32	29.29	31.51	0.974	3.187	23.82	5.657	1.229	885	0
6/28/2014 22:15	69655	15	179	4.295	134.5	13.34	6.893	128.7	8.66	10.39	129	5.063	28.56	28.93	29.07	0.367	0.516	41.59	14.02	1.689	885	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/28/2014 22:30	69656	15	179	4.86	143.1	12.34	7.348	138.5	8.06	10.42	135.5	5.258	28.08	28.28	28.14	0.194	0.061	53.22	17.69	1.715	885	0
6/28/2014 22:45	69657	15	179	4.353	146.6	11.84	6.688	141.5	7.986	9.41	138	5.088	27.55	27.75	27.6	0.208	0.048	56.51	18.15	1.404	885	0
6/28/2014 23:00	69658	15	179	4.781	147.4	12.55	7.034	142.5	7.81	9.85	138.5	5.539	27.15	27.32	27.13	0.172	-0.014	58.74	18.39	1.591	885	0
6/28/2014 23:15	69659	15	179	4.785	147.6	12.05	7.306	142.3	7.384	10.1	138.6	5.45	26.77	26.94	26.73	0.167	-0.036	60.79	18.59	1.548	886	0
6/28/2014 23:30	69660	15	179	4.81	149.3	12.5	7.435	143.1	7.507	9.97	138.7	5.193	26.41	26.58	26.37	0.173	-0.042	62.71	18.74	1.637	886	0
6/28/2014 23:45	69661	15	179	4.534	149.2	12.13	6.953	143.2	7.739	9.6	139.4	5.656	26.01	26.18	25.99	0.167	-0.021	64.88	18.91	1.621	886	0
6/29/2014 0:00	69662	15	180	4.894	147.7	11.64	7.264	142.2	7.436	9.87	138.6	4.939	25.75	25.9	25.69	0.154	-0.058	66.74	19.11	1.669	886	0
6/29/2014 0:15	69663	15	180	4.82	147.7	12.85	7.259	141.8	7.726	10.2	138.4	5.35	25.43	25.58	25.38	0.153	-0.045	68.19	19.15	1.831	886	0
6/29/2014 0:30	69664	15	180	4.592	146.2	12.13	7.129	139.8	7.45	9.84	136.1	4.983	25.09	25.25	25.07	0.168	-0.011	69.65	19.17	1.553	886	0
6/29/2014 0:45	69665	15	180	4.409	143.9	12.52	6.682	138.3	8.19	9.37	135.1	5.06	24.77	24.95	24.79	0.174	0.016	70.79	19.13	1.574	886	0
6/29/2014 1:00	69666	15	180	4.161	147.1	11.58	6.273	141.7	7.035	8.75	137.2	5.084	24.51	24.69	24.53	0.185	0.022	71.56	19.05	1.477	885	0
6/29/2014 1:15	69667	15	180	3.892	141.9	11.93	5.844	136.4	7.56	8	132.4	5.35	24.24	24.45	24.28	0.206	0.044	72.3	18.95	1.388	885	0
6/29/2014 1:30	69668	15	180	4.102	135.9	13.56	6.193	130.8	9.22	8.87	127.9	6.337	24.05	24.24	24.1	0.189	0.045	72.85	18.89	1.488	885	0
6/29/2014 1:45	69669	15	180	4.332	130.8	11.9	6.531	125.8	7.996	9.46	124.1	4.856	23.88	24.07	23.99	0.188	0.108	73.25	18.82	1.668	885	0
6/29/2014 2:00	69670	15	180	4.51	131.9	12.69	6.795	126.7	7.475	9.6	123.7	4.981	23.73	23.93	23.86	0.204	0.124	73.6	18.75	1.439	885	0
6/29/2014 2:15	69671	15	180	4.261	137.1	11.74	6.309	130.7	7.689	9.29	126.9	4.891	23.57	23.77	23.73	0.207	0.163	73.99	18.68	1.549	885	0
6/29/2014 2:30	69672	15	180	4.573	138	11.3	6.727	131	7.034	9.59	127.7	4.585	23.55	23.75	23.71	0.205	0.16	73.86	18.63	1.528	886	0
6/29/2014 2:45	69673	15	180	4.242	134.9	12.27	6.363	129.2	7.245	9.19	125.3	4.951	23.42	23.64	23.59	0.217	0.165	73.89	18.52	1.419	886	0
6/29/2014 3:00	69674	15	180	4.128	135.5	10.95	6.096	128.8	7.333	9	125.4	4.665	23.29	23.52	23.51	0.235	0.221	74.08	18.43	1.494	886	0
6/29/2014 3:15	69675	15	180	4.15	137.2	11.58	6.25	130.7	7.972	9.25	127.4	4.275	23.25	23.5	23.51	0.249	0.253	73.87	18.35	1.544	886	0
6/29/2014 3:30	69676	15	180	4.114	138.1	11.88	6.272	132	7.634	9.21	128.2	4.669	23.2	23.47	23.49	0.269	0.294	73.53	18.22	1.511	886	0
6/29/2014 3:45	69677	15	180	4.019	139.9	11.68	5.969	134.6	7.644	8.76	130.4	5.226	23.19	23.44	23.44	0.252	0.248	73.12	18.13	1.328	886	0
6/29/2014 4:00	69678	15	180	3.76	142.4	12.25	5.705	136.7	7.858	8.51	133.2	5.328	23.1	23.38	23.39	0.281	0.288	72.82	17.97	1.44	886	0
6/29/2014 4:15	69679	15	180	3.547	144.1	13.02	5.622	137.6	7.754	8.57	134.1	4.811	22.98	23.3	23.37	0.321	0.389	72.76	17.85	1.628	886	0
6/29/2014 4:30	69680	15	180	3.616	144.6	11.78	5.501	137.5	7.877	8.45	134.6	4.725	22.93	23.24	23.33	0.311	0.392	72.56	17.76	1.489	887	0
6/29/2014 4:45	69681	15	180	3.153	145.7	11.9	5.071	141.4	7.125	8.11	136.9	4.402	22.68	23.06	23.26	0.383	0.584	72.88	17.58	1.923	887	0
6/29/2014 5:00	69682	15	180	3.348	147.7	12.04	5.306	142.6	7.575	8.26	139.1	4.193	22.63	22.98	23.14	0.349	0.516	72.86	17.53	6.307	887	0
6/29/2014 5:15	69683	15	180	3.305	144.6	12.51	5.287	139.2	7.858	8.3	136.5	5.017	22.6	22.92	23.07	0.323	0.466	72.58	17.44	23.81	887	0
6/29/2014 5:30	69684	15	180	3.38	144.7	12.34	5.092	137.6	7.904	8.18	135.1	4.812	22.79	22.98	23.09	0.187	0.299	71.6	17.41	60.5	887	0
6/29/2014 5:45	69685	15	180	2.926	142.2	13.26	4.547	136.1	8.29	7.344	134.5	4.874	23.14	23.25	23.27	0.105	0.127	70.45	17.49	109.8	887	0
6/29/2014 6:00	69686	15	180	2.917	140.5	12.45	4.409	134.5	8.6	6.648	132.9	5.84	23.68	23.64	23.48	-0.049	-0.208	68.45	17.55	166.1	887	0
6/29/2014 6:15	69687	15	180	2.981	145.4	13.04	4.411	140.7	8.81	6.359	137.8	6.025	24.45	24.27	23.95	-0.178	-0.493	65.73	17.63	226.3	887	0
6/29/2014 6:30	69688	15	180	3.334	150.4	13.05	4.994	144.3	7.832	6.25	139.8	5.802	25.24	24.93	24.48	-0.316	-0.763	62.56	17.61	288.8	887	0
6/29/2014 6:45	69689	15	180	3.33	155.2	13.99	4.829	149.1	9.36	5.892	143.7	6.478	25.89	25.43	24.85	-0.462	-1.033	60.24	17.61	353.4	888	0
6/29/2014 7:00	69690	15	180	3.634	157.6	13.33	5.095	151.4	8.77	5.954	146.5	6.551	26.38	25.81	25.23	-0.575	-1.153	58.23	17.54	417.3	888	0
6/29/2014 7:15	69691	15	180	3.154	159.5	14.16	4.393	154.1	9.05	5.171	150.2	6.931	27.03	26.33	25.67	-0.705	-1.366	56.16	17.57	481	888	0
6/29/2014 7:30	69692	15	180	3.023	169.5	14.46	4.173	162.7	9.62	4.762	160	7.304	27.72	26.84	26.18	-0.882	-1.541	53.22	17.35	544.6	888	0
6/29/2014 7:45	69693	15	180	2.895	173.5	17.35	3.725	170.5	13.64	4.279	164.4	9.04	28.37	27.46	26.75	-0.911	-1.621	50.71	17.19	608.5	888	0
6/29/2014 8:00	69694	15	180	3.077	162.2	15.53	4.029	158.3	10.95	4.663	155.2	7.06	29.16	28.12	27.39	-1.037	-1.774	46.84	16.66	673.2	888	0
6/29/2014 8:15	69695	15	180	3.318	167.9	13.89	4.237	162.9	8.28	4.785	158.6	6.892	29.84	28.86	28.14	-0.986	-1.706	42.28	15.67	733.6	888	0
6/29/2014 8:30	69696	15	180	2.997	171.6	19.24	3.786	164.8	17.26	4.496	163.5	10.42	30.94	29.91	29.1	-1.028	-1.843	37.05	14.58	791.1	888	0
6/29/2014 8:45	69697	15	180	2.856	173.8	19.98	3.707	169.6	16.82	4.323	167	12.29	31.78	30.6	29.76	-1.181	-2.024	33.07	13.57	848	888	0
6/29/2014 9:00	69698	15	180	2.541	177.8	20.37	3.244	170.2	15.81	3.616	168.2	12.4	32.53	31.34	30.49	-1.194	-2.047	30.37	12.92	903	887	0
6/29/2014 9:15	69699	15	180	2.166	157.9	26.37	2.79	155.6	24.01	3.221	149.6	18.73	32.98	31.96	31.12	-1.013	-1.855	27.65	11.87	955	887	0
6/29/2014 9:30	69700	15	180	2.118	170.9	29.64	2.754	161.1	23.2	3.321	155.5	20.14	33.43	32.54	31.74	-0.89	-1.695	26.53	11.63	1000	887	0
6/29/2014 9:45	69701	15	180	2.388	159.2	23.46	2.986	153.2	20.88	3.425	153.3	19.54	34.29	33.08	32.27	-1.21	-2.013	24.29	11.02	1044	887	0
6/29/2014 10:00	69702	15	180	2.256	164.9	48.16	2.798	157.2	34.91	3.396	148.5	30.1	34.59	33.37	32.7	-1.218	-1.885	22.88	10.37	1084	887	0
6/29/2014 10:15	69703	15	180	1.959	152.1	45.18	2.394	145.6	35.17	2.699	131.6	36.01	35.14	34.01	33.32	-1.131	-1.822	21.42	9.84	1124	887	0
6/29/2014 10:30	69704	15	180	2.153	185.1	40.61	2.623	179.1	38.07	3.064	179.8	31.4	35.99	34.79	34.02	-1.204	-1.97	19.81	9.36	1157	887	0
6/29/2014 10:45	69705	15	180	1.91	198.9	60.15	2.285	190	44.95	2.773	177	34.52	36.28	35.25	34.51	-1.035	-1.778	18.25	8.4	1184	887	0
6/29/2014 11:00	69706	15	180	1.574	154.3	58.84	1.83	153.2	58.96	2.12	166.5	50.94	36.5	35.57	34.9	-0.93	-1.595	17.23	7.714	1210	887	0
6/29/2014 11:15	69707	15	180	1.681	99.1	82.4	1.942	86.1	90.3	2.027	146.8	64.86	37.02	36.13	35.36	-0.888	-1.66	16.33	7.357	1226	887	0
6/29/2014 11:30	69708	15	180	1.608	52.73	89.5	1.866	55.97	87.4	1.755	107.9	80.5	37.33	36.47	35.76	-0.862	-1.572	15.37	6.703	1241	887	0
6/29/2014 11:45	69709	15	180	1.868	194.5	49.8	2.426	192.1	54.8	2.794	183.9	38.35	38.27	37.09	36.1	-1.183	-2.173	14.86	6.967	1251	887	0
6/29/2014 12:00	69710	15	180	2.181	169.4	50.27	2.738	167.6	45.47	3.021	157.3	50.58	38.52	37.39	36.61	-1.133	-1.914	13.61	5.849	1255	887	0
6/29/2014 12:15	69711	15	180	2.421	197.7	42.35	2.949	196	39.43	3.322	196.6	35.78	38.88	37.59	36.81	-1.285	-2.069	10.74	2.773	1262	887	0
6/29/2014 12:30	69712	15	180	1.69	195.7	47.58	1.977	192.2	38.97	2.279	203.6	35.12	39.08	38.11	37.3	-0.97	-1.776	11.2	3.519	1255	886	0
6/29/2014 12:45	69713	15	180	2.565	136.6	37.73	3.142	133.8	32.05	3.434	137.7	33.49	39.34	38.01	37.14	-1.33	-2.193	10.02	2.141	1249	886	0
6/29/2014 13:00	69714	15	180	2.49	172.8	29.7	3.141	166.1	27.78	3.613	147.3	25.67	39.93	38.4	37.58	-1.527	-2.353	9.53	1.876	1235	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/29/2014 13:15	69715	15	180	2.008	250	43.05	2.408	254.8	34.07	2.99	253.1	29.68	39.57	38.63	37.84	-0.933	-1.724	9.29	1.259	1219	886	0
6/29/2014 13:30	69716	15	180	3.324	223.3	34.51	4.246	217.6	30.38	4.994	209.1	27.01	40.22	38.83	37.79	-1.388	-2.429	8.87	1.082	1199	886	0
6/29/2014 13:45	69717	15	180	3.299	160.9	30.1	4.292	157.6	27.11	5.07	161.1	20.56	40.81	39.13	38.03	-1.682	-2.78	8.55	1.014	1169	886	0
6/29/2014 14:00	69718	15	180	2.523	127.8	74.72	3.101	131.9	70.61	3.177	142.2	58.55	39.93	38.78	38.06	-1.158	-1.873	8.78	0.737	1133	886	0
6/29/2014 14:15	69719	15	180	3.098	179.7	57.3	3.911	171.4	59.59	4.423	149.9	61.38	40.5	39.17	38.36	-1.337	-2.147	8.7	1.018	1104	885	0
6/29/2014 14:30	69720	15	180	1.72	182.5	84.3	2.055	186.5	90.7	2.411	187	66.56	40.01	39.13	38.32	-0.883	-1.685	8.65	0.58	1071	885	0
6/29/2014 14:45	69721	15	180	3.323	180.8	46.18	4.335	174.2	42.93	4.808	167.6	40.02	40.98	39.62	38.62	-1.361	-2.36	8.23	0.609	1020	885	0
6/29/2014 15:00	69722	15	180	2.682	132.9	26.24	3.372	130.3	25.24	3.968	141.2	23.19	40.52	39.44	38.62	-1.084	-1.897	8.65	0.969	976	885	0
6/29/2014 15:15	69723	15	180	3.267	187.8	31.65	4.051	184.1	28.95	4.858	180.1	25.7	40.98	39.79	38.82	-1.184	-2.157	8.51	1.072	931	885	0
6/29/2014 15:30	69724	15	180	3.34	187.8	28.43	4.3	179.9	21.03	5.078	178.9	16.71	40.93	39.65	38.82	-1.275	-2.108	9.05	1.904	881	884	0
6/29/2014 15:45	69725	15	180	3.422	184	47.8	4.514	171.7	41.77	5.17	174.5	28.56	40.76	39.61	38.8	-1.151	-1.955	8.62	1.084	832	884	0
6/29/2014 16:00	69726	15	180	3.243	170.7	36.22	4.202	165	33.16	5.097	162.9	31.65	41.08	39.99	39.1	-1.082	-1.978	8.84	1.674	769.9	884	0
6/29/2014 16:15	69727	15	180	2.727	166.5	41.16	3.478	162.8	34.87	4.101	166.7	29.59	40.75	39.85	39.17	-0.897	-1.58	9.03	1.734	716.1	884	0
6/29/2014 16:30	69728	15	180	4.05	169.4	16.91	5.743	164.1	14.74	7.059	164	12.57	41.28	40.11	39.25	-1.177	-2.037	8.56	1.382	631.4	884	0
6/29/2014 16:45	69729	15	180	5.017	156.1	17.12	6.986	151.4	14.61	8.67	146.4	12.87	40.52	39.45	38.54	-1.07	-1.979	13.5	5.978	618	884	0
6/29/2014 17:00	69730	15	180	7.238	140.4	13.52	10.36	135.7	9.75	13.06	131.8	7.599	38.53	37.62	36.55	-0.917	-1.987	24.79	14.85	471.4	884	0
6/29/2014 17:15	69731	15	180	7.114	139.5	13.24	10.41	134.5	9.43	13.24	130.3	6.929	37.57	36.8	35.83	-0.775	-1.746	27.21	15.53	403.8	884	0
6/29/2014 17:30	69732	15	180	7.327	135.1	14.03	10.31	130.6	9.8	13.56	128	7.561	37.13	36.5	35.61	-0.631	-1.524	28.45	15.85	342.8	884	0
6/29/2014 17:45	69733	15	180	7.083	141.2	13.38	10.28	136	9.66	12.96	132.3	7.231	36.61	36.08	35.29	-0.537	-1.321	29.78	16.12	282.4	884	0
6/29/2014 18:00	69734	15	180	6.739	142.5	12.27	9.83	137.9	8.92	12.42	133.7	6.473	36.04	35.62	34.95	-0.416	-1.087	30.63	16.07	218.1	884	0
6/29/2014 18:15	69735	15	180	6.959	145.7	13.43	10.39	140.6	9.42	13.51	136.9	6.398	35.34	35.03	34.41	-0.307	-0.925	32.02	16.16	159.7	885	0
6/29/2014 18:30	69736	15	180	7.012	146.7	12.94	10.35	142.4	8.91	13.4	137	5.894	34.56	34.37	33.82	-0.192	-0.735	33.09	16	104.1	885	0
6/29/2014 18:45	69737	15	180	7.321	147.3	12.46	10.86	141.8	7.934	14.42	137.1	4.668	33.7	33.59	33.11	-0.112	-0.591	35.44	16.33	56.41	885	0
6/29/2014 19:00	69738	15	180	6.749	143.5	12.77	9.99	138.4	8.48	12.98	133.5	5.586	33.05	33.02	32.6	-0.039	-0.451	37.45	16.63	21.63	885	0
6/29/2014 19:15	69739	15	180	6.812	146.8	12.69	10.18	142.2	7.609	13	137.7	5.451	32.39	32.39	32.01	-0.001	-0.381	38.89	16.64	5.579	885	0
6/29/2014 19:30	69740	15	180	6.294	149.5	13.06	9.46	143.9	8.21	12.88	140.1	5.722	31.77	31.8	31.44	0.029	-0.325	40.02	16.53	2.296	885	0
6/29/2014 19:45	69741	15	180	6.877	140	12.71	10.08	135.4	8.38	13.42	131.2	6.07	31.15	31.18	30.83	0.024	-0.318	41.17	16.43	2.067	885	0
6/29/2014 20:00	69742	15	180	6.588	142.4	12.71	9.63	138	8.51	12.77	134.2	5.109	30.64	30.68	30.34	0.036	-0.296	42.29	16.39	2	886	0
6/29/2014 20:15	69743	15	180	7.335	141.3	12.19	10.87	135.8	7.919	13.84	132.4	5.298	30.25	30.27	29.94	0.024	-0.307	44.13	16.71	1.958	886	0
6/29/2014 20:30	69744	15	180	6.174	138.3	12.64	9.16	133.5	8.51	11.98	129.1	5.747	29.82	29.87	29.56	0.057	-0.259	45.69	16.86	1.94	886	0
6/29/2014 20:45	69745	15	180	6.748	138.2	12.5	9.86	133.1	7.758	13.07	130.6	4.784	29.33	29.36	29.05	0.035	-0.28	47.89	17.16	2.073	886	0
6/29/2014 21:00	69746	15	180	6.761	138.4	12.03	10.02	133.7	7.522	13.1	131.2	5.201	28.92	28.96	28.64	0.042	-0.281	49.53	17.33	2.038	886	0
6/29/2014 21:15	69747	15	180	6.102	136.2	12.17	8.92	131.6	7.67	11.7	129.3	5.469	28.51	28.57	28.28	0.063	-0.231	50.88	17.37	1.895	886	0
6/29/2014 21:30	69748	15	180	6.693	141.2	12.89	9.65	135.9	8.48	12.72	132.9	5.586	28.16	28.2	27.89	0.042	-0.264	52.52	17.55	1.728	887	0
6/29/2014 21:45	69749	15	180	6.946	133.9	12.36	10.15	129.2	7.175	12.7	126.9	5.062	27.73	27.77	27.45	0.042	-0.277	54.37	17.7	1.789	887	0
6/29/2014 22:00	69750	15	180	6.374	134.2	12.05	9.23	129.6	7.995	12.11	126.6	5.241	27.3	27.34	27.03	0.04	-0.263	56.21	17.83	1.793	887	0
6/29/2014 22:15	69751	15	180	6.255	132	12.52	9.13	127.6	8.17	12.21	124.5	5.413	27.01	27.05	26.77	0.047	-0.235	57.19	17.83	1.805	887	0
6/29/2014 22:30	69752	15	180	5.747	136.6	12.04	8.77	131.3	8.26	11.2	128.1	6.187	26.71	26.77	26.47	0.066	-0.239	58.22	17.84	1.954	887	0
6/29/2014 22:45	69753	15	180	5.87	137.4	12.13	8.5	132.1	7.677	11.27	128.7	5.448	26.44	26.49	26.2	0.049	-0.241	59.31	17.88	1.89	887	0
6/29/2014 23:00	69754	15	180	6.023	137.6	12.37	8.79	132.1	8.2	11.83	129.5	6.232	26.19	26.24	25.95	0.051	-0.238	60.33	17.92	1.948	887	0
6/29/2014 23:15	69755	15	180	5.956	136.9	11.31	8.66	132.1	7.369	11.33	129.3	5.646	26	26.06	25.77	0.055	-0.232	60.77	17.86	1.72	887	0
6/29/2014 23:30	69756	15	180	5.588	134.1	12.62	8.4	129.1	7.91	11.74	127.3	5.321	25.76	25.84	25.6	0.08	-0.163	61.37	17.79	1.896	887	0
6/29/2014 23:45	69757	15	180	5.816	135.2	12.36	8.5	129.7	8.18	11.32	127.3	5.655	25.61	25.68	25.44	0.072	-0.169	61.51	17.68	1.683	887	0

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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)
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
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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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-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
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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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-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
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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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)
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
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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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)
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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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)
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
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

* 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.

Environmental Monitoring & Hydrology Airborne Particulates Sampling

June 29, 2014

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

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

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

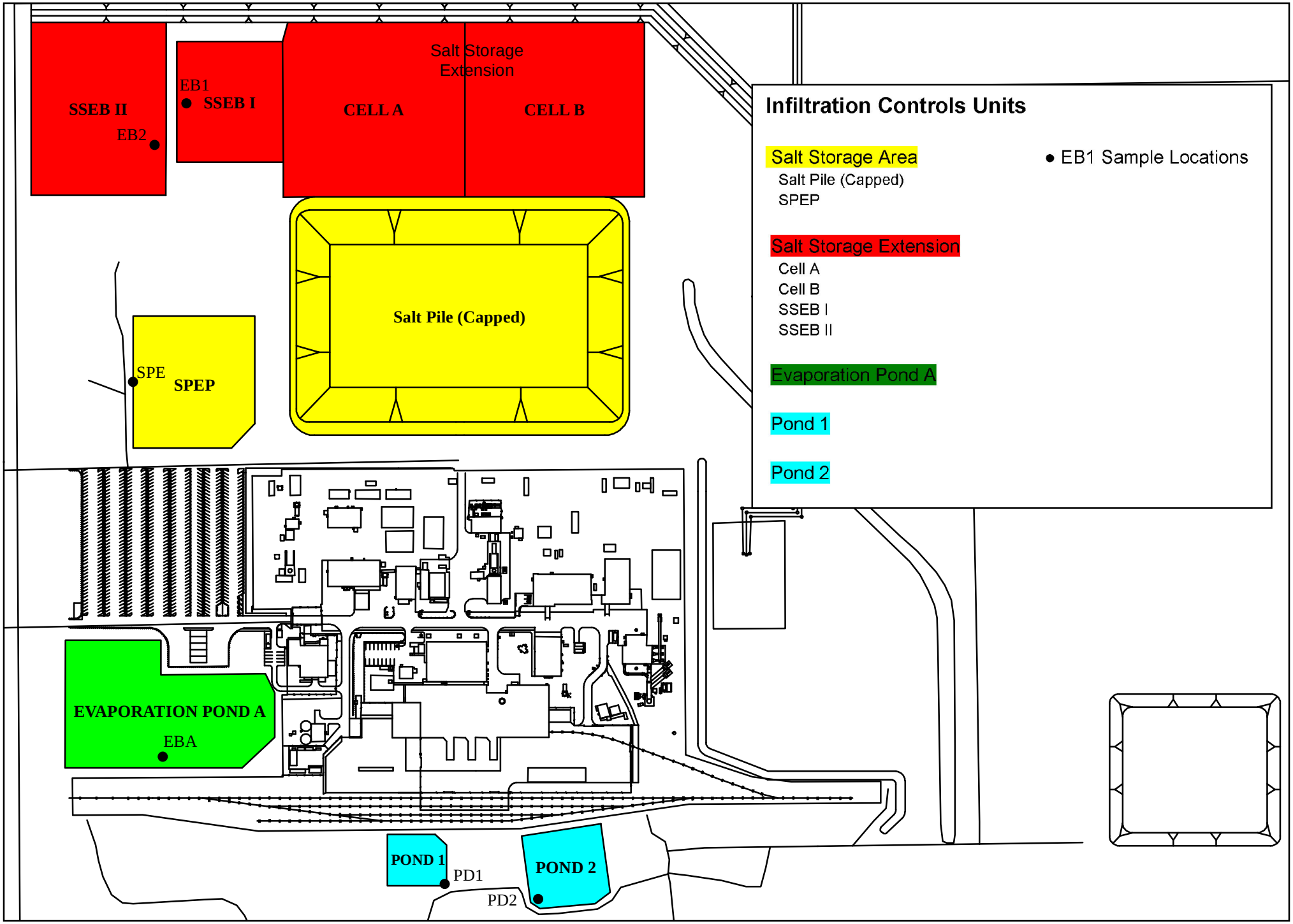
Note: Shaded cells in the table represent samples identified as a detectable concentration. Minimum detectable concentration (MDC) corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

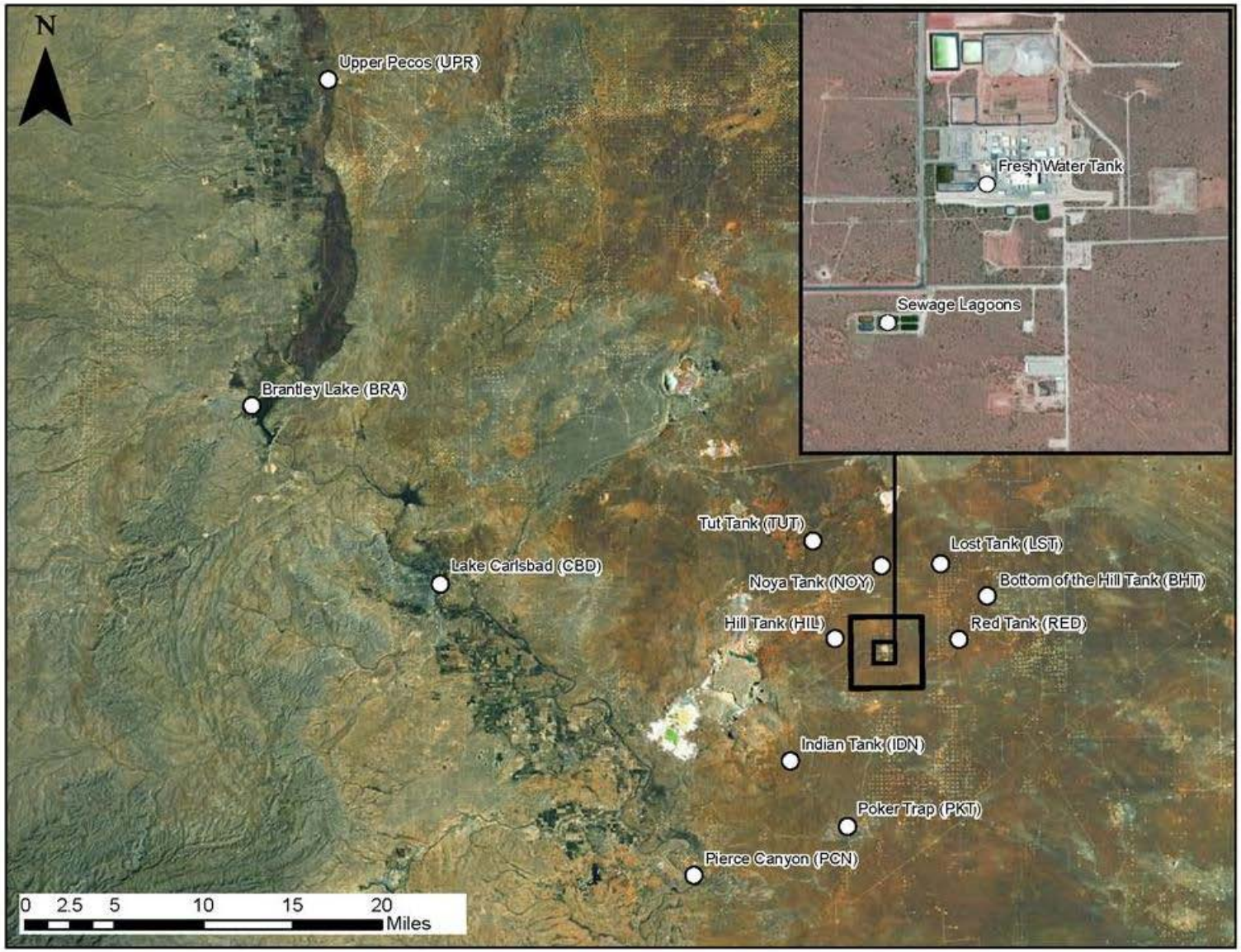
MDC ranges are:

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

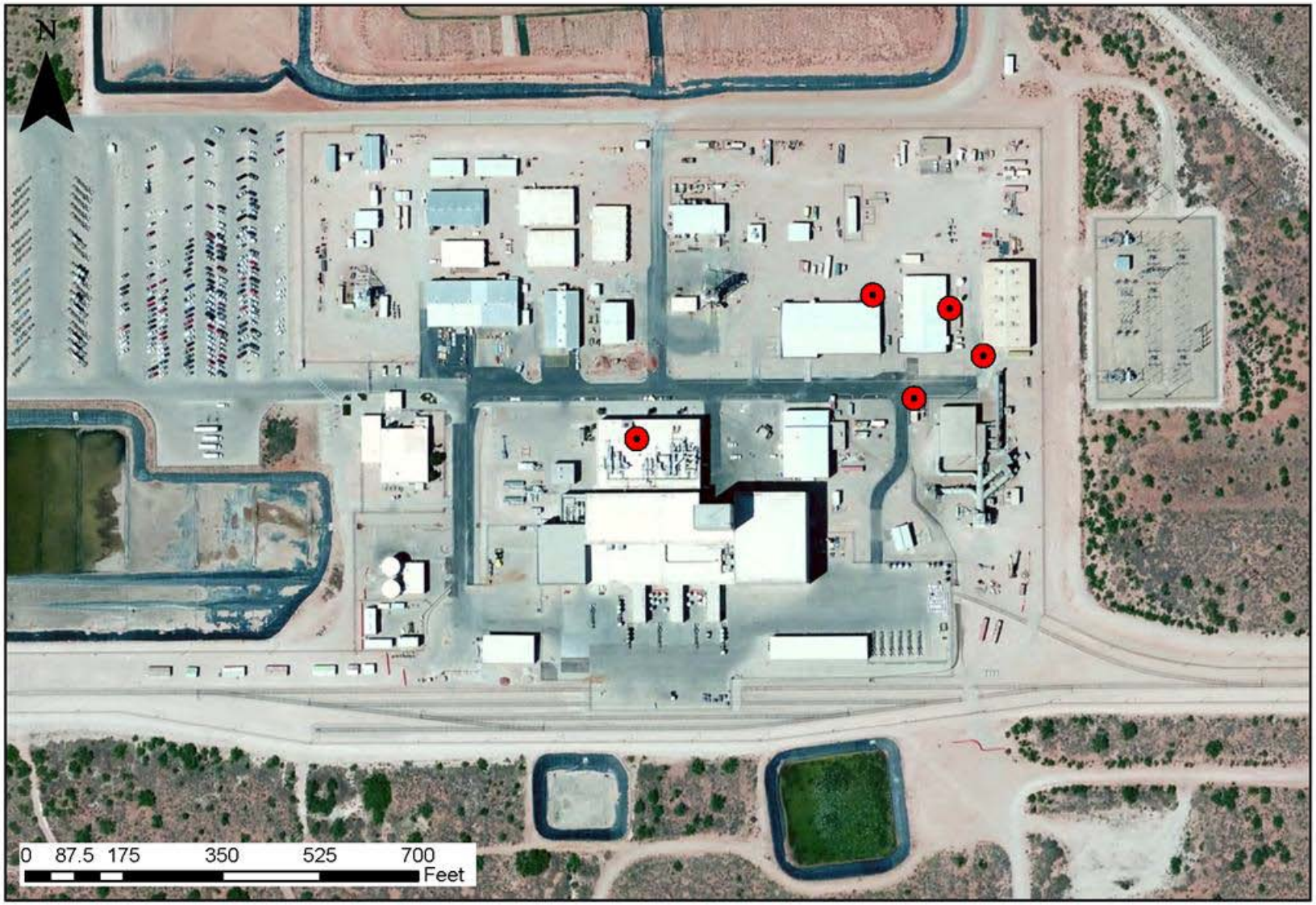
MDC Pu-238 (dpm/sample): 1.89E-02 to 1.57E+01

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


Salt Storage Extension
SSEB II
EB2
EB1
SSEB I
CELL A
CELL B
Salt Pile (Capped)
SPE
SPEP
EVAPORATION POND A
EBA
POND 1
PD1
POND 2
PD2
Infiltration Controls Units
Salt Storage Area
Salt Pile (Capped)
SPEP
Salt Storage Extension
Cell A
Cell B
SSEB I
SSEB II
Evaporation Pond A
Pond 1
Pond 2
EB1 Sample Locations

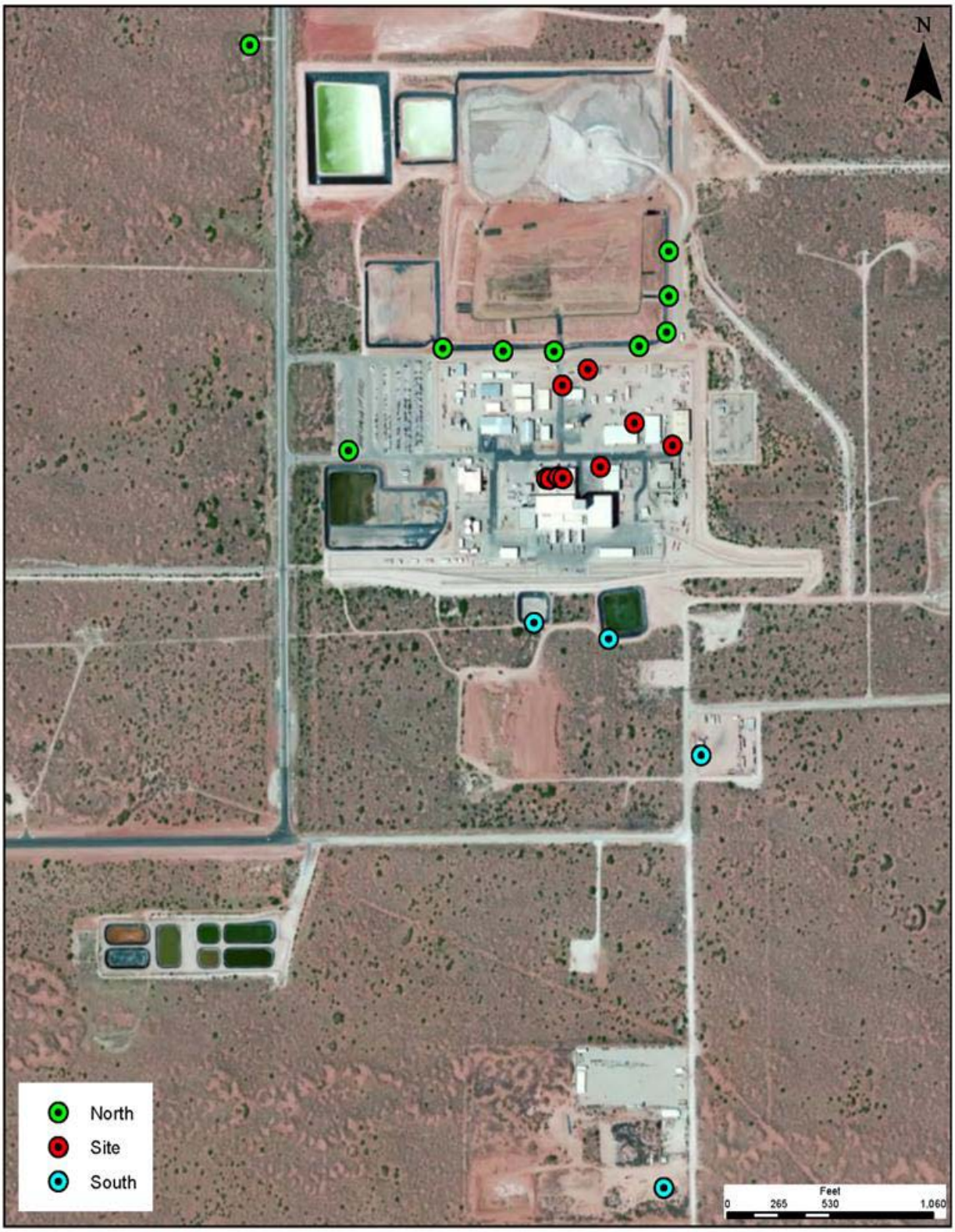


Surface Water Sample Locations (continued)



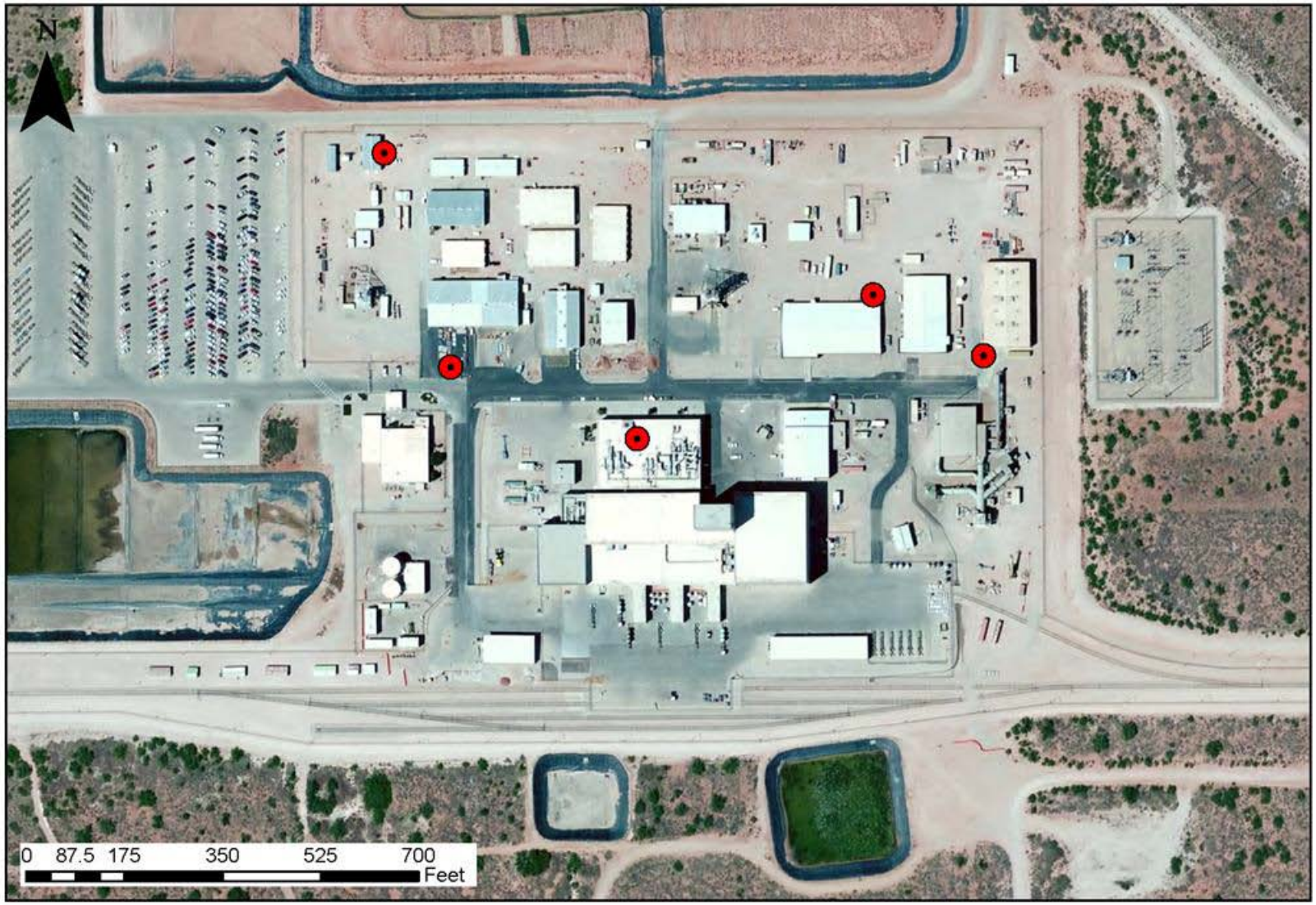
Surface Water Sample Locations (continued)

Sample of Opportunity, March 2, 2014



Surface Water Sample Locations (continued)

Sample of Opportunity, March 16, 2014



Surface Water Sample Locations (continued)

Sample of Opportunity, March 26, 2014

Environmental Monitoring & Hydrology Surface Water Sampling

June 29, 2014

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
Sample of Opportunity (Dupe)†	WS-SOO-20140609-4.6	6/9/2014	Below MDC	Below MDC	Below MDC

Environmental Monitoring & Hydrology Surface Water Sampling

June 29, 2014

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

* 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:

MDC Am-241 (dpm/L): 4.34E-02 to 7.78E-02

MDC Pu-238 (dpm/L): 3.30E-02 to 6.69E-02

MDC Pu-239/240 (dpm/L): 3.01E-02 to 5.92E-02

Environmental Monitoring & Hydrology Sediment Sampling

June 29, 2014

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

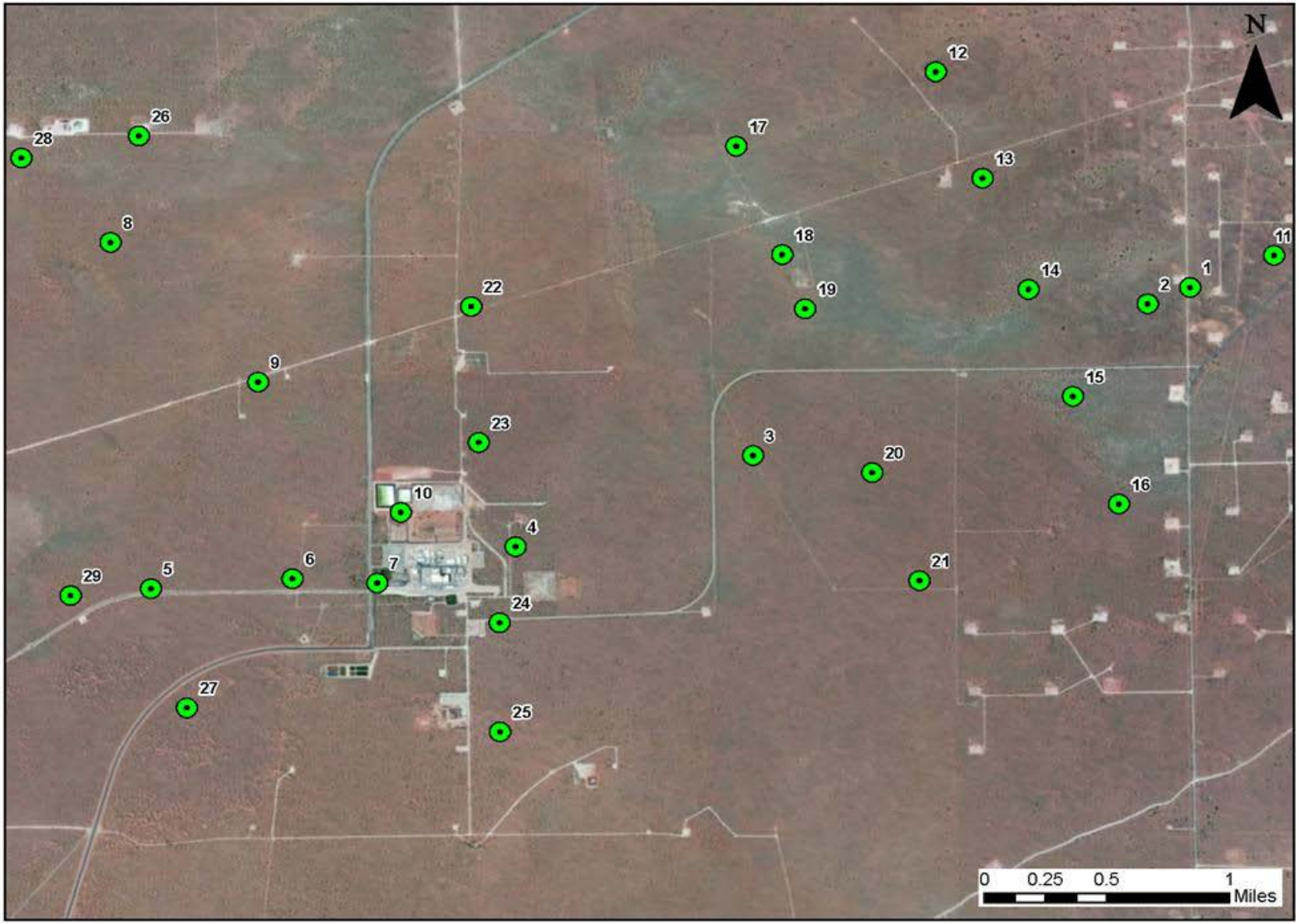
Note: Sediment sample locations are co-located with off-site surface water sample locations. Surface water samples are collected when water is available.

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

June 29, 2014

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

June 29, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-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.
Note: Vegetation samples were collected adjacent to air sampling locations.

MDC ranges are:

Environmental Monitoring & Hydrology Biota Sampling -

June 29, 2014

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

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

June 29, 2014

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

June 29, 2014

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

† 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

June 29, 2014

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

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/16/2014 0:15	68415	15	167	3.923	211.4	11.95	5.461	208.9	8.66	7.931	209.9	5.8	27.71	28.18	28.16	0.471	0.457	32.24	9.65	1.28	887	0
6/16/2014 0:30	68416	15	167	3.702	216.3	12.44	5.352	212.9	9.21	7.801	213.1	6.718	27.5	27.99	28.02	0.491	0.522	32.67	9.66	1.307	887	0
6/16/2014 0:45	68417	15	167	3.974	213.7	12.77	5.751	209.7	10.21	8.37	210.1	7.094	27.5	27.95	27.94	0.455	0.443	32.33	9.51	1.373	887	0
6/16/2014 1:00	68418	15	167	4.155	212.7	12.92	5.95	210.4	10.92	8.44	211.5	7.598	27.4	27.81	27.73	0.412	0.332	32.22	9.37	1.301	887	0
6/16/2014 1:15	68419	15	167	3.429	222	12	4.832	220	9.69	7.365	221.2	6.717	27.05	27.48	27.46	0.427	0.408	33.07	9.45	1.197	887	0
6/16/2014 1:30	68420	15	167	3.656	227.6	11.9	5.318	226.1	10.69	8.06	223.7	6.899	26.98	27.39	27.37	0.41	0.383	32.89	9.31	1.237	887	0
6/16/2014 1:45	68421	15	167	3.009	222	13.65	4.309	220.3	11.61	7.206	221.9	6.76	26.68	27.17	27.27	0.485	0.586	33.18	9.18	1.258	887	0
6/16/2014 2:00	68422	15	167	2.373	196.3	12.49	3.848	197.4	10.25	6.63	208.4	7.811	26.2	26.94	27.29	0.738	1.088	34.17	9.2	0.988	887	0
6/16/2014 2:15	68423	15	167	1.95	179.5	20.21	3.031	180.9	17.09	5.063	195.8	7.79	25.86	26.75	27.13	0.89	1.277	34.99	9.24	0.949	887	0
6/16/2014 2:30	68424	15	167	1.733	142.1	8.98	3.22	140.8	5.126	3.534	175.5	9.84	23.76	25.7	26.47	1.939	2.706	41.83	10.03	0.856	887	0
6/16/2014 2:45	68425	15	167	2.194	157	12.09	3.756	161.9	9.63	4.55	187.4	9.7	24.64	26.43	26.87	1.792	2.229	40.33	10.27	0.951	887	0
6/16/2014 3:00	68426	15	167	1.933	172.4	9.6	3.473	171.4	5.782	4.736	191.2	7.45	24.83	26.24	26.72	1.42	1.9	38.72	9.84	1.043	887	0
6/16/2014 3:15	68427	15	167	1.779	167.8	13.68	3.369	168.6	9.33	4.688	192.8	7.862	24.39	25.99	26.6	1.599	2.217	40.44	10.1	0.956	887	0
6/16/2014 3:30	68428	15	167	1.782	181.5	10.27	3.282	184.9	7.496	4.651	202.5	6.922	24.38	26.06	26.57	1.683	2.191	39.91	9.89	0.995	887	0
6/16/2014 3:45	68429	15	167	1.781	174.5	10.95	3.338	177.9	7.846	4.896	198.6	8.16	24.46	26.19	26.72	1.728	2.259	40.12	10.05	1.132	887	0
6/16/2014 4:00	68430	15	167	1.388	201	18.58	2.726	196.1	13.49	4.416	205.5	9.56	24.47	26.01	26.65	1.539	2.181	39.99	10.01	0.925	887	0
6/16/2014 4:15	68431	15	167	1.786	220.2	10.28	3.131	216.6	7.021	5.186	215.6	6.125	24.74	26.14	26.61	1.405	1.875	39.5	10.06	1.176	887	0
6/16/2014 4:30	68432	15	167	1.556	219	9.44	3.14	216.9	5.991	5.169	219.2	5.256	24.34	25.95	26.52	1.618	2.189	40.65	10.13	0.971	887	0
6/16/2014 4:45	68433	15	167	1.231	212.5	9.09	2.493	218.6	5.481	5.222	221.9	3.913	23.93	25.38	26.34	1.453	2.411	41.89	10.21	1.657	888	0
6/16/2014 5:00	68434	15	167	0.774	168.5	12.54	1.818	205.8	6.537	4.984	223.7	3.703	23.25	24.89	26.14	1.646	2.892	43.87	10.29	6.617	888	0
6/16/2014 5:15	68435	15	167	0.842	104.8	33	1.187	178.3	24.12	3.98	230.4	5.786	21.79	24.55	25.69	2.764	3.9	50.59	11.04	26.48	888	0
6/16/2014 5:30	68436	15	167	1.898	118.7	14.39	3.512	130.3	4.547	3.282	167	26.76	22.13	24.22	25.23	2.09	3.102	52.23	11.88	56.11	888	0
6/16/2014 5:45	68437	15	167	2.291	142.2	10.79	4.232	139	5.463	5.724	156.3	5.75	23.06	23.85	25.68	0.791	2.62	47.44	11.3	79.83	888	0
6/16/2014 6:00	68438	15	167	2.428	145.4	10.68	4.316	142.2	4.912	6.999	159	6.328	23.39	23.93	25.31	0.54	1.922	47.38	11.58	114.5	888	0
6/16/2014 6:15	68439	15	167	2.767	155.1	11.05	4.33	149.4	6.762	6.736	157	6.241	24.58	24.95	25.43	0.37	0.854	43.08	11.22	160	889	0
6/16/2014 6:30	68440	15	167	2.686	138.6	11.58	4.065	134.2	6.763	5.947	143.3	5.085	24.56	24.59	24.72	0.035	0.164	44.07	11.54	241	889	0
6/16/2014 6:45	68441	15	167	2.928	144.3	11.87	4.008	139.8	9.13	5.455	142.4	6.454	25.36	25.16	24.84	-0.191	-0.517	43.5	12.07	333.5	889	0
6/16/2014 7:00	68442	15	167	2.708	155.2	14.7	3.812	149.2	9.76	4.695	150.7	7.232	26.15	25.97	25.56	-0.183	-0.598	41.94	12.23	353.5	889	0
6/16/2014 7:15	68443	15	167	3.274	164.6	12.06	4.483	158.5	9.19	5.372	153.9	6.329	26.78	26.55	25.97	-0.24	-0.815	39.54	11.9	431.3	889	0
6/16/2014 7:30	68444	15	167	3.253	173.1	12.64	4.475	166.8	9.56	5.452	162.9	6.325	27.51	27.14	26.51	-0.372	-1.004	37.35	11.69	494.1	889	0
6/16/2014 7:45	68445	15	167	3.293	173.8	17.01	4.275	169.3	13.57	4.733	166.2	9.1	28.21	27.81	27.22	-0.409	-0.994	34.95	11.3	572.4	889	0
6/16/2014 8:00	68446	15	167	2.946	183.8	17.14	3.865	178.9	13.64	4.488	177.5	11.07	28.97	28.42	27.77	-0.546	-1.198	33.24	11.2	640.5	889	0
6/16/2014 8:15	68447	15	167	2.787	175.1	16.34	3.602	169.9	14.03	4.252	169	10.85	29.32	28.78	28.13	-0.54	-1.19	31.28	10.6	632.8	889	0
6/16/2014 8:30	68448	15	167	3.296	179.6	19.03	4.247	173.7	15.46	4.868	175.3	12.18	29.11	28.74	28.14	-0.363	-0.963	31.09	10.32	506.4	889	0
6/16/2014 8:45	68449	15	167	3.068	183.8	18.66	3.954	178.2	14.4	4.553	174.3	10.44	29.79	29.22	28.55	-0.574	-1.243	30.22	10.48	724.7	889	0
6/16/2014 9:00	68450	15	167	3.128	178.9	23.26	4.09	175.5	20.53	4.654	172.7	15.55	30.32	29.61	28.97	-0.713	-1.35	28.74	10.19	779.6	889	0
6/16/2014 9:15	68451	15	167	2.519	190.4	24.94	3.093	186.4	18.95	3.827	184.2	13.03	30.72	30.1	29.31	-0.614	-1.402	26.39	9.25	901	889	0
6/16/2014 9:30	68452	15	167	2.879	178.1	29.28	3.737	174.6	24.4	4.388	170.4	18.97	31.23	30.43	29.73	-0.8	-1.498	26.48	9.73	928	889	0
6/16/2014 9:45	68453	15	167	2.546	180.4	28.01	3.162	179.7	19.02	3.82	182.1	15.3	31.03	30.41	29.76	-0.625	-1.276	26.74	9.72	797.1	889	0
6/16/2014 10:00	68454	15	167	2.256	186.8	30.73	2.921	180.6	22.73	3.569	180.8	18.76	31.3	30.75	30.08	-0.552	-1.22	25.67	9.34	794.7	889	0
6/16/2014 10:15	68455	15	167	2.418	196.5	25.88	2.929	190.6	23.23	3.235	194.8	17.61	31.74	31.2	30.51	-0.543	-1.237	23.99	8.7	867	889	0
6/16/2014 10:30	68456	15	167	2.026	165.7	25.42	2.572	161	20.18	3.172	164.9	18.07	31.78	31.35	30.8	-0.433	-0.983	22.14	7.548	686	889	0
6/16/2014 10:45	68457	15	167	2.183	209.6	33.21	2.689	206.7	32.29	3.111	200.7	26.48	32.36	31.97	31.35	-0.393	-1.011	20.52	6.915	833	889	0
6/16/2014 11:00	68458	15	167	2.506	214.8	21.74	3.118	207.2	21.53	3.624	200.3	18.54	32.69	32.16	31.42	-0.526	-1.271	21.3	7.733	828	888	0
6/16/2014 11:15	68459	15	167	2.462	195.7	35.51	3.168	189.9	34.14	3.663	186.5	23.38	33.05	32.34	31.64	-0.711	-1.409	20.71	7.622	923	888	0
6/16/2014 11:30	68460	15	167	2.477	229.4	25.64	3.01	222.2	23.83	3.495	208.1	18.22	33.17	32.42	31.73	-0.758	-1.446	20.07	7.26	1294	888	0
6/16/2014 11:45	68461	15	167	2.674	200.4	45.63	3.267	192	45.91	3.793	187.2	22.69	33.89	33.04	32.22	-0.845	-1.668	19.49	7.408	1335	888	0
6/16/2014 12:00	68462	15	167	3.281	171.2	22.58	4.161	164.6	16.35	4.783	162.4	19.15	34.27	33.19	32.25	-1.084	-2.018	19.54	7.766	1324	888	0
6/16/2014 12:15	68463	15	167	3.532	171.2	26.46	4.613	167.1	23.82	5.313	165	20.41	34.65	33.34	32.34	-1.313	-2.308	19.25	7.855	1366	888	0
6/16/2014 12:30	68464	15	167	2.969	152.6	27.03	3.858	143.7	24.27	4.729	146.7	17.96	34.74	33.52	32.54	-1.222	-2.203	18.91	7.676	1183	888	0
6/16/2014 12:45	68465	15	167	3.88	176.1	21.54	4.885	170.9	17.53	5.494	168.5	12.69	34.7	33.55	32.54	-1.153	-2.169	18.46	7.29	1334	888	0
6/16/2014 13:00	68466	15	167	3.577	182.6	32.09	4.622	174.6	26.99	5.834	169.3	18.52	34.77	33.7	32.84	-1.07	-1.93	18.27	7.183	1288	887	0
6/16/2014 13:15	68467	15	167	3.541	172.4	23.64	4.587	168.3	22.05	5.624	164.4	15.97	35.25	34.02	32.99	-1.232	-2.268	17.27	6.75	1237	887	0
6/16/2014 13:30	68468	15	167	2.615	176.1	37.93	3.286	166	38.61	4.187	157.3	32.89	35.12	34.17	33.28	-0.948	-1.834	17	6.414	1210	887	0
6/16/2014 13:45	68469	15	167	2.991	197.2	47.97	3.769	179.8	32.84	4.686	177.2	23.87	35.11	34.21	33.44	-0.895	-1.672	16.23	5.734	1198	887	0
6/16/2014 14:00	68470	15	167	2.904	202.9	39.81	3.646	195.2	37.75	4.324	189	24.67	35.5	34.56	33.63	-0.941	-1.865	15.14	5.033	1167	887	0
6/16/2014 14:15	68471	15	167	3.149	172.8	35.32	4.078	169.2	32.4	4.889	163.6	28.43	35.77	34.78	33.93	-0.984	-1.839	14.43	4.568	1132	886	0
6/16/2014 14:30	68472	15	167	4.298	172.8	23.24	5.741	167.1	20.82	6.742	163.1	17.48	36.12	35.03	34.12	-1.091	-2.001	13.46	3.849	1091	886	0
6/16/2014 14:45	68473	15	167	4.622	172.5	19.49	6.135	168.6	16.07	7.234	169.2	13.16	36.3	35.25	34.31	-1.046	-1.985	12.74	3.206	1065	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/16/2014 15:00	68474	15	167	4.025	161.7	19.18	5.388	158	17.15	6.389	158.7	15.53	36.05	35.1	34.31	-0.957	-1.742	12.32	2.549	980	886	0
6/16/2014 15:15	68475	15	167	4.249	174.2	22.67	5.592	168.7	20.32	6.666	166.5	19.35	36.15	35.28	34.46	-0.866	-1.685	12.06	2.313	959	886	0
6/16/2014 15:30	68476	15	167	3.816	176.3	21.02	5.02	172.2	18.77	6.026	170.1	17.18	36.15	35.39	34.59	-0.765	-1.564	12.11	2.382	880	886	0
6/16/2014 15:45	68477	15	167	3.718	180.5	21.55	4.797	173.5	20.97	5.76	168.6	20.3	35.88	35.25	34.44	-0.634	-1.441	12.18	2.252	811	885	0
6/16/2014 16:00	68478	15	167	3.641	179.8	31.36	4.823	175.8	29.66	5.698	172.4	22.78	36.05	35.45	34.7	-0.603	-1.347	12.38	2.609	747.5	885	0
6/16/2014 16:15	68479	15	167	3.298	188.5	21.77	4.461	182.5	20.77	5.277	178.9	20.6	36.04	35.51	34.84	-0.533	-1.207	12.78	3.056	690.7	885	0
6/16/2014 16:30	68480	15	167	3.339	173.2	27.84	4.425	165.8	24.79	5.504	162.5	25.98	36.09	35.67	34.98	-0.422	-1.113	12.85	3.178	637.9	885	0
6/16/2014 16:45	68481	15	167	3.529	194.8	23.24	4.673	190.5	20.44	5.74	188.1	18.29	35.84	35.71	35.13	-0.131	-0.716	13.04	3.19	438.7	885	0
6/16/2014 17:00	68482	15	167	3.566	187.7	18.9	4.955	181.7	15.55	6.047	175.6	12.62	35.98	35.77	35.1	-0.205	-0.875	13.07	3.326	501.9	885	0
6/16/2014 17:15	68483	15	167	4.181	159.1	14.96	6.139	152.7	11.34	6.958	152	8.3	35.75	35.67	35.09	-0.081	-0.666	12.9	2.96	364.9	884	0
6/16/2014 17:30	68484	15	167	4.118	161.6	11.91	5.905	155.6	8.78	7.218	152.7	7.685	35.24	35.43	34.99	0.19	-0.248	13.03	2.71	167	884	0
6/16/2014 17:45	68485	15	167	4.472	167	14.14	6.432	161.6	10.34	8.31	160.5	6.864	35.04	35.31	34.9	0.265	-0.14	13.23	2.773	131.2	884	0
6/16/2014 18:00	68486	15	167	4.092	174.9	11.95	5.686	170.1	8.45	7.648	166.6	5.026	34.82	35.13	34.8	0.309	-0.02	13.18	2.538	96	884	0
6/16/2014 18:15	68487	15	167	3.943	164.1	12.48	5.803	158.9	10.08	7.314	157.2	8.85	34.55	34.95	34.62	0.402	0.071	14.29	3.361	74.88	884	0
6/16/2014 18:30	68488	15	167	6.066	148.5	12.9	8.92	143.4	8.19	11.53	139.4	5.574	32.6	32.77	32.31	0.168	-0.29	31.79	13.64	33.96	885	0
6/16/2014 18:45	68489	15	167	6.484	151.5	11.98	9.39	145	7.87	12.18	141.3	5.497	31.71	31.9	31.53	0.187	-0.181	36.14	14.88	25.38	885	0
6/16/2014 19:00	68490	15	167	6.464	151.7	11.97	9.31	146.6	8.07	12.27	142.6	5.453	31.02	31.22	30.88	0.197	-0.141	39	15.46	16.26	885	0
6/16/2014 19:15	68491	15	167	7.108	159.5	11.61	10.35	153	7.688	13.51	148.5	5.783	30.36	30.57	30.24	0.211	-0.121	41.36	15.79	4.863	885	0
6/16/2014 19:30	68492	15	167	6.626	157.6	12.23	9.52	152.6	8.39	12.37	149.1	6.096	29.59	29.78	29.45	0.187	-0.139	44.98	16.41	2.012	886	0
6/16/2014 19:45	68493	15	167	7.078	153	12.29	10.51	147.9	7.413	13.37	144.6	5.022	29.1	29.27	28.93	0.17	-0.171	47.37	16.78	1.884	886	0
6/16/2014 20:00	68494	15	167	7.086	157.2	11.51	10.26	151.9	7.235	12.94	148.2	5.786	28.63	28.8	28.46	0.171	-0.167	49.16	16.93	1.928	886	0
6/16/2014 20:15	68495	15	167	6.64	154.2	12.43	9.91	149.1	8.05	12.83	146.3	5.597	28.27	28.43	28.1	0.16	-0.168	50.17	16.93	1.859	886	0
6/16/2014 20:30	68496	15	167	6.384	155.9	12.07	9.35	149.8	8.24	12.22	146.4	5.924	28.03	28.19	27.87	0.165	-0.159	51.03	16.98	1.911	887	0
6/16/2014 20:45	68497	15	167	6.501	159.5	12.39	9.5	153	8.55	12.82	149.4	6.317	27.81	28	27.74	0.198	-0.07	50.12	16.49	1.873	887	0
6/16/2014 21:00	68498	15	167	6.429	159.2	11.92	9.23	153.6	7.991	11.97	151.6	5.905	27.58	27.82	27.57	0.24	-0.011	47.17	15.33	1.817	887	0
6/16/2014 21:15	68499	15	167	6.886	165	11.76	9.96	159.8	8.68	13.35	157.4	5.715	27.36	27.6	27.37	0.245	0.013	43.51	13.87	1.901	887	0
6/16/2014 21:30	68500	15	167	7.334	169.7	11.05	10.33	164	7.572	13.61	161.7	5.782	27.04	27.29	27.06	0.25	0.021	38.73	11.81	2.061	887	0
6/16/2014 21:45	68501	15	167	6.936	163.8	11.1	9.95	159.2	7.671	13.04	156.1	5.749	26.72	26.98	26.77	0.257	0.043	37.75	11.15	1.953	887	0
6/16/2014 22:00	68502	15	167	7.196	163.1	11.38	10.23	157.2	7.297	13.3	154.9	5.759	26.35	26.58	26.34	0.234	-0.002	37.99	10.91	1.988	887	0
6/16/2014 22:15	68503	15	167	6.045	165.7	11.7	8.67	159.9	8.09	11.7	155.7	6.141	25.98	26.25	26.04	0.266	0.058	38.56	10.81	1.761	887	0
6/16/2014 22:30	68504	15	167	6.868	160.7	11.03	10.05	155	7.917	13.65	153	5.32	25.79	26.06	25.88	0.264	0.088	38.28	10.53	2.044	887	0
6/16/2014 22:45	68505	15	167	6.959	161.4	11.16	9.84	157.1	7.506	12.95	153.3	4.94	25.6	25.86	25.67	0.253	0.07	38.12	10.3	1.836	887	0
6/16/2014 23:00	68506	15	167	6.351	160	11.05	8.93	155.7	7.536	12.11	152.4	5.283	25.32	25.59	25.41	0.261	0.083	38.78	10.31	1.9	887	0
6/16/2014 23:15	68507	15	167	6.098	160.7	10.99	8.76	155.6	7.273	11.8	152.2	5.295	25.09	25.36	25.19	0.269	0.104	39.34	10.31	1.912	887	0
6/16/2014 23:30	68508	15	167	5.031	168.6	11.34	7.257	163.9	8.35	10.12	159.2	5.833	24.87	25.14	25	0.276	0.13	40	10.37	1.795	887	0
6/16/2014 23:45	68509	15	167	5.05	163.2	12.13	7.211	157.1	8.59	10.36	153.8	6.01	24.56	24.83	24.7	0.267	0.139	41.01	10.47	1.51	887	0
6/17/2014 0:00	68510	15	168	5.487	161.8	11.44	8.09	156	7.733	11.18	153.3	5.228	24.45	24.72	24.6	0.266	0.148	41.85	10.67	1.771	887	0
6/17/2014 0:15	68511	15	168	4.887	162.9	10.16	7.015	155.8	7.816	10.08	152	4.913	24.28	24.58	24.49	0.296	0.211	42.42	10.72	1.538	887	0
6/17/2014 0:30	68512	15	168	4.66	163	11.71	6.788	157.6	8.97	10.14	153.9	5.259	24.07	24.38	24.39	0.309	0.314	42.99	10.73	1.708	887	0
6/17/2014 0:45	68513	15	168	4.833	162.4	10.7	6.98	157.6	7.402	9.74	156.1	4.637	24.08	24.44	24.55	0.359	0.475	42.86	10.69	1.527	887	0
6/17/2014 1:00	68514	15	168	4.396	159.3	9.8	6.58	154.8	6.363	9.22	155.7	4.447	24.13	24.54	24.65	0.41	0.523	41.92	10.41	1.748	887	0
6/17/2014 1:15	68515	15	168	4.218	157.9	10.24	6.403	152.7	6.389	9.46	153.2	3.623	23.81	24.23	24.49	0.418	0.683	42.5	10.33	1.745	887	0
6/17/2014 1:30	68516	15	168	3.663	154.8	11.51	5.668	150.6	7.002	8.6	150.8	3.917	23.52	23.99	24.24	0.476	0.729	42.86	10.19	1.455	887	0
6/17/2014 1:45	68517	15	168	3.716	158.2	10.85	5.727	151.7	7.246	9.03	149	3.979	23.4	23.84	24.07	0.439	0.668	42.76	10.05	1.495	887	0
6/17/2014 2:00	68518	15	168	4.033	155.6	11.18	6.267	150.3	7.038	9.59	152.3	5.724	23.51	23.95	24.36	0.436	0.85	41.82	9.81	1.629	887	0
6/17/2014 2:15	68519	15	168	3.841	161.3	11.47	5.699	154.2	7.978	8.92	155.2	5.108	23.83	24.29	24.55	0.459	0.725	40.27	9.54	1.533	887	0
6/17/2014 2:30	68520	15	168	4.04	154.9	11.51	6.163	150.1	6.851	9.39	151.4	4.352	23.68	24.13	24.39	0.451	0.708	40.38	9.44	1.469	887	0
6/17/2014 2:45	68521	15	168	3.717	157	10.12	5.707	150.5	6.647	9.02	152.5	3.656	23.6	24.08	24.47	0.476	0.871	40.2	9.31	1.569	887	0
6/17/2014 3:00	68522	15	168	3.348	153.6	10.28	5.287	148.1	6.239	8.47	151	3.606	23.33	23.84	24.3	0.508	0.972	41.05	9.38	1.389	887	0
6/17/2014 3:15	68523	15	168	3.191	155.7	10	5.119	149.1	6.307	8.35	150.8	3.458	23.02	23.55	24.06	0.531	1.043	42.82	9.73	1.27	887	0
6/17/2014 3:30	68524	15	168	3.283	155.2	11.34	5.161	148.5	6.752	8.32	149.9	3.385	22.63	23.08	23.55	0.452	0.919	45.36	10.23	1.263	887	0
6/17/2014 3:45	68525	15	168	2.993	156.6	11.09	4.809	150.1	7.437	8.28	152.1	4.22	22.41	22.92	23.59	0.517	1.185	46.39	10.37	1.468	887	0
6/17/2014 4:00	68526	15	168	3.096	156.5	9.89	4.799	151.8	6.388	7.896	155.3	3.996	22.58	23.15	23.67	0.564	1.082	45.42	10.21	1.548	887	0
6/17/2014 4:15	68527	15	168	2.686	156.9	10.29	4.413	150.2	6.964	7.453	152.3	4.283	22.6	23.21	23.73	0.614	1.133	45.23	10.16	1.34	887	0
6/17/2014 4:30	68528	15	168	2.899	154.5	11.66	4.55	147.2	7.708	7.668	147.3	4.514	22.61	23.16	23.7	0.556	1.096	44.97	10.08	1.644	887	0
6/17/2014 4:45	68529	15	168	2.73	151.6	12.91	4.498	143.6	7.811	7.771	144.7	5.184	22.41	23	23.65	0.587	1.238	45.59	10.11	2.298	887	0
6/17/2014 5:00	68530	15	168	2.524	151.6	11.81	4.204	146.1	7.516	7.231	148.3	4.748	22.35	22.96	23.59	0.613	1.24	45.99	10.18	8.96	888	0
6/17/2014 5:15	68531	15	168	2.572	146.6	11.45	4.175	141.8	6.762	7.124	147.2	4.521	22.26	22.87	23.62	0.605	1.355	46.86	10.38	30.08	888	0
6/17/2014 5:30	68532	15	168	2.582	152.6	10.76	4.197	147.4	6.534	6.847	152.4	4.614	22.54	23.08	23.68	0.539	1.142	46.93	10.66	67.37	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/17/2014 5:45	68533	15	168	2.203	152.4	11.87	3.658	145.7	7.641	6.324	150	4.464	22.81	23.25	23.59	0.44	0.777	46.99	10.93	98.4	888	0
6/17/2014 6:00	68534	15	168	2.075	149.7	12.98	3.352	144.7	8.68	5.602	149.4	5.627	23.3	23.49	23.56	0.188	0.259	46.9	11.35	167.5	888	0
6/17/2014 6:15	68535	15	168	2.613	162.7	12.55	3.65	156.7	9.16	5.114	155.9	6.138	24.22	24.23	23.91	0.013	-0.304	44.97	11.54	239.6	888	0
6/17/2014 6:30	68536	15	168	2.814	163.2	12.58	3.855	156.7	9.34	4.768	158.1	6.874	24.83	24.72	24.25	-0.115	-0.581	43.71	11.67	302.8	888	0
6/17/2014 6:45	68537	15	168	2.76	163.2	11.69	3.827	159.6	8.78	4.559	159.3	6.971	25.65	25.42	24.87	-0.234	-0.78	42.38	11.94	366.2	888	0
6/17/2014 7:00	68538	15	168	3.16	169.5	11.99	4.222	162.3	8.12	4.578	158.5	5.373	26.29	25.93	25.39	-0.357	-0.901	40.78	11.93	431.4	889	0
6/17/2014 7:15	68539	15	168	2.544	161.5	13.29	3.238	159	9.77	3.663	163.8	8.53	26.91	26.49	25.9	-0.416	-1.015	39.66	12.06	498.1	889	0
6/17/2014 7:30	68540	15	168	2.308	170.9	17.87	3.018	166.9	14.95	3.43	167.9	11.93	27.47	26.95	26.3	-0.522	-1.173	38.15	11.97	569	889	0
6/17/2014 7:45	68541	15	168	1.766	171.3	23.13	2.137	166.8	17.52	2.467	171.5	16.07	27.78	27.32	26.76	-0.459	-1.024	36.92	11.74	633.1	889	0
6/17/2014 8:00	68542	15	168	1.28	194.3	49.98	1.532	189.4	34.05	1.978	176.5	16.25	28.18	27.79	27.29	-0.392	-0.887	35.31	11.42	728.8	889	0
6/17/2014 8:15	68543	15	168	1.625	169.3	29.97	1.963	165.4	26.69	1.993	151.4	20.41	28.61	28.18	27.7	-0.437	-0.917	34.31	11.37	684.5	889	0
6/17/2014 8:30	68544	15	168	1.153	181	61.5	1.184	167.4	58.01	1.234	272.9	94.4	28.69	28.52	28.13	-0.176	-0.559	32.26	10.51	564.5	889	0
6/17/2014 8:45	68545	15	168	1.247	332.9	40.42	1.482	323.8	23.75	1.902	311.8	16.13	29.09	29.14	28.67	0.048	-0.424	30.71	10.12	508.4	889	0
6/17/2014 9:00	68546	15	168	1.48	307.7	23.65	1.641	309.8	17.28	1.666	308.7	14.79	29.66	29.49	29.01	-0.17	-0.65	29.68	10.11	733.2	888	0
6/17/2014 9:15	68547	15	168	1.252	270.5	54.76	1.38	268.6	47.14	1.742	278.7	22.84	30.15	29.98	29.46	-0.176	-0.695	28.24	9.78	965	888	0
6/17/2014 9:30	68548	15	168	1.44	300.8	52.32	1.67	295.5	43.23	1.903	304.6	39.17	30.77	30.58	30	-0.187	-0.77	26.96	9.61	1009	888	0
6/17/2014 9:45	68549	15	168	1.483	318.3	28.56	1.767	324.9	29.17	2.241	316.7	28.76	31.37	30.9	30.35	-0.47	-1.02	25.24	9.15	1046	888	0
6/17/2014 10:00	68550	15	168	1.892	329.2	26.66	2.241	333.1	21.53	2.384	327.3	17.76	31.81	31.29	30.65	-0.522	-1.165	24.06	8.8	1090	888	0
6/17/2014 10:15	68551	15	168	1.764	299.9	26.77	1.973	299.9	31.29	2.166	297.9	41.92	32.21	31.8	31.14	-0.407	-1.069	24.07	9.14	1119	888	0
6/17/2014 10:30	68552	15	168	1.066	322.5	76.58	1.17	341.3	72.32	1.548	337.7	59.87	32.24	32.03	31.48	-0.216	-0.763	22.6	8.23	1154	888	0
6/17/2014 10:45	68553	15	168	1.533	344	52.71	1.815	357.3	46.49	2.535	353.6	41.8	33.28	32.77	32.01	-0.508	-1.271	21.51	8.36	1181	888	0
6/17/2014 11:00	68554	15	168	1.326	302.6	78.8	1.437	316.5	72.31	1.735	341.1	57.22	33.46	33.01	32.31	-0.442	-1.146	20.96	8.13	1202	888	0
6/17/2014 11:15	68555	15	168	1.811	18.55	78.86	2.2	10.86	76.29	2.198	6.921	74.21	34.08	33.43	32.49	-0.653	-1.584	19.35	7.467	1220	888	0
6/17/2014 11:30	68556	15	168	1.688	339.5	54.11	2.034	339.8	50.75	1.916	315	57.39	34.16	33.47	32.91	-0.694	-1.254	18.74	7.067	1226	887	0
6/17/2014 11:45	68557	15	168	2.076	297.2	36	2.263	296.6	34.65	2.119	299.9	32.88	34.44	33.78	33.26	-0.657	-1.18	17.14	5.994	1236	887	0
6/17/2014 12:00	68558	15	168	1.882	308.8	74.61	2.243	306.1	65.15	2.286	290.7	56.82	34.75	34.26	33.56	-0.487	-1.188	16.11	5.343	1241	887	0
6/17/2014 12:15	68559	15	168	1.892	346.7	76.78	2.134	344.2	77.21	2.322	20.23	47.03	35.13	34.44	33.72	-0.693	-1.411	14.23	3.844	1247	887	0
6/17/2014 12:30	68560	15	168	1.571	85.5	92.7	1.719	64.34	89.8	1.626	11.45	69.92	35.27	34.64	33.97	-0.627	-1.295	13.56	3.291	1249	887	0
6/17/2014 12:45	68561	15	168	1.809	51.08	46.53	2.098	48.43	34.39	2.415	47.73	26.14	35.51	34.87	34.14	-0.647	-1.374	12.73	2.597	1242	887	0
6/17/2014 13:00	68562	15	168	1.867	31.47	50.29	2.322	21.85	38.48	2.936	2.311	22.28	35.79	34.88	34.22	-0.916	-1.573	12.78	2.862	1240	886	0
6/17/2014 13:15	68563	15	168	1.619	36.93	44.31	2.058	29.65	29.32	2.223	21.15	37.77	35.94	35.23	34.49	-0.718	-1.45	12.38	2.537	1247	886	0
6/17/2014 13:30	68564	15	168	2.379	62.67	37.3	2.88	58.44	35.13	3.374	48.78	24.87	36.34	35.32	34.6	-1.02	-1.741	12.05	2.463	1246	886	0
6/17/2014 13:45	68565	15	168	2.061	13.3	36.86	2.838	12.12	31.69	3.421	10.37	23.85	36.68	35.79	34.95	-0.899	-1.732	11.99	2.65	1237	886	0
6/17/2014 14:00	68566	15	168	1.689	289.1	61.52	2.085	294	64.95	2.107	290.8	54.17	36.28	35.75	35.16	-0.524	-1.114	12.46	2.875	870	886	0
6/17/2014 14:15	68567	15	168	3.014	250.8	28.35	3.827	248.8	26.37	4.305	242.9	23.49	37.11	36.17	35.21	-0.934	-1.894	12.42	3.474	1016	885	0
6/17/2014 14:30	68568	15	168	2.669	258.6	38.78	3.21	252.8	33.32	3.579	240.6	25.02	36.44	35.82	35.08	-0.619	-1.356	12.14	2.634	831	885	0
6/17/2014 14:45	68569	15	168	2.162	240.8	61.66	2.56	237	52.73	2.916	240.9	46.63	36.56	36.02	35.46	-0.532	-1.101	12.02	2.587	1092	885	0
6/17/2014 15:00	68570	15	168	2.358	237.5	36.58	2.975	233.6	33.54	3.55	230.9	19.45	36.53	35.97	35.32	-0.557	-1.216	11.95	2.488	788.5	885	0
6/17/2014 15:15	68571	15	168	2.015	129.9	47.69	2.531	134.5	36.6	2.809	144.7	24.05	36.4	35.97	35.19	-0.432	-1.217	12.05	2.505	655.1	885	0
6/17/2014 15:30	68572	15	168	1.207	125.3	31.67	1.43	123.7	27.34	1.57	120.3	32.24	35.9	35.74	35.26	-0.158	-0.64	12.65	2.8	400.5	885	0
6/17/2014 15:45	68573	15	168	2.589	140.7	28.68	3.495	133.7	18.74	4.031	131.9	16.93	35.95	35.71	35.16	-0.237	-0.787	13.11	3.346	358.8	885	0
6/17/2014 16:00	68574	15	168	2.99	154.8	15.98	4.343	148.5	14.74	5.013	144.2	15.52	35.65	35.61	35.07	-0.038	-0.571	14.14	4.127	231.7	885	0
6/17/2014 16:15	68575	15	168	3.438	106.9	30.35	4.763	103.6	31.86	5.273	99.9	29.89	33.65	34.47	34.21	0.815	0.555	20.07	7.436	235.9	885	0
6/17/2014 16:30	68576	15	168	2.241	71.19	14.67	3.067	65.49	10.3	3.393	58.7	9.34	34.5	34.83	34.49	0.33	-0.006	16.01	5.057	184.5	885	0
6/17/2014 16:45	68577	15	168	1.063	117.2	30.01	1.38	111.7	32.71	1.796	116.7	43.36	34.72	35.05	34.71	0.331	-0.01	16.54	5.688	202.6	885	0
6/17/2014 17:00	68578	15	168	2.59	176.4	18.74	3.716	175.6	15.37	4.659	176.2	11.8	35.2	35.44	35	0.238	-0.205	15.17	4.843	252.1	884	0
6/17/2014 17:15	68579	15	168	4.006	198.7	21.95	5.697	194.1	19.77	7.309	192.9	15.48	35.13	35.24	34.73	0.105	-0.404	14.72	4.353	334.6	884	0
6/17/2014 17:30	68580	15	168	2.738	193.7	16.3	3.938	188.8	14.22	5.05	187.1	11.9	34.49	34.96	34.64	0.472	0.151	15.02	4.139	110	884	0
6/17/2014 17:45	68581	15	168	1.705	172.9	19.23	2.94	171.9	16.96	3.827	170.4	12.17	33.8	34.78	34.69	0.979	0.895	16.13	4.596	93.1	884	0
6/17/2014 18:00	68582	15	168	1.379	163.8	9.88	2.667	164	5.406	3.537	164.9	5.096	33.31	34.74	34.74	1.438	1.429	17.38	5.283	90.6	884	0
6/17/2014 18:15	68583	15	168	1.105	153.6	6.583	2.625	163.2	3.717	3.527	169.3	4.395	32.63	34.54	34.72	1.911	2.091	19.55	6.431	88.7	884	0
6/17/2014 18:30	68584	15	168	1.003	142.1	7.97	2.509	161.6	3.231	3.185	168.6	3.442	31.93	34.52	34.66	2.59	2.737	22.75	8.07	70.92	884	0
6/17/2014 18:45	68585	15	168	5.135	159.7	11.09	7.75	157.4	8.47	9.97	156.8	8.86	30.88	31.94	31.68	1.063	0.807	28.22	10.31	53.93	885	0
6/17/2014 19:00	68586	15	168	6.65	154.7	11.64	9.66	149.4	7.823	12.38	146.7	4.926	29.46	29.63	29.27	0.171	-0.193	33.18	11.61	11.67	885	0
6/17/2014 19:15	68587	15	168	5.392	160.4	10.36	7.683	155.3	7.705	10.45	152	5.384	28.82	29.08	28.83	0.255	0.009	32.59	10.78	3.91	885	0
6/17/2014 19:30	68588	15	168	5.162	161.6	12.23	7.496	156.6	8.15	10.18	153.8	6.352	28.57	28.88	28.71	0.312	0.134	32.59	10.56	2.012	885	0
6/17/2014 19:45	68589	15	168	4.06	149.7	12.42	6.248	145.3	7.609	8.9	143.9	6.141	28.22	28.59	28.49	0.373	0.273	33.77	10.79	1.429	885	0
6/17/2014 20:00	68590	15	168	3.844	146.1	12.26	5.829	140.4	8.2	8.59	137.9	5.583	27.78	28.16	28.07	0.383	0.294	36.31	11.49	1.612	886	0
6/17/2014 20:15	68591	15	168	4.016	134.3	13.84	6.077	130.5	9.99	9.13	130.7	7.577	27.28	27.62	27.55	0.336	0.265	40.34	12.65	1.484	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/17/2014 20:30	68592	15	168	4.685	132	13.7	7.075	127	8.72	9.84	126.1	6.419	27.66	27.89	27.81	0.237	0.155	40.99	13.23	1.561	886	0
6/17/2014 20:45	68593	15	168	5.806	124.1	15	8.7	118.7	11.19	11.85	115.8	10.64	27.99	28.15	27.88	0.16	-0.111	40.62	13.39	1.701	887	0
6/17/2014 21:00	68594	15	168	7.09	110.4	11.47	9.99	107.2	7.637	13.07	104.7	4.794	26.85	26.89	26.46	0.045	-0.381	49.36	15.36	1.78	887	0
6/17/2014 21:15	68595	15	168	5.622	110.9	11.69	8.13	106.6	7.277	10.86	103.1	4.935	25.89	25.91	25.54	0.022	-0.348	53.42	15.72	1.689	887	0
6/17/2014 21:30	68596	15	168	5.895	111.6	12.07	8.36	108.1	7.69	11.13	104.7	4.849	25.39	25.39	25.05	0.006	-0.337	54.85	15.67	1.649	887	0
6/17/2014 21:45	68597	15	168	5.66	122.2	11.04	8.28	118.2	7.469	11.22	114.6	5.422	25.36	25.39	25.1	0.029	-0.268	55.66	15.88	1.592	887	0
6/17/2014 22:00	68598	15	168	5.481	126.1	12.29	8.05	120.8	7.393	10.91	117.8	5.035	25.73	25.8	25.56	0.064	-0.175	55.94	16.3	1.557	887	0
6/17/2014 22:15	68599	15	168	4.883	130.6	12.63	7.023	124	8.75	9.32	121.9	7.092	26.04	26.11	25.77	0.068	-0.271	56.24	16.67	1.559	888	0
6/17/2014 22:30	68600	15	168	6.068	125.8	13.25	8.95	122.3	8.27	11.72	119.7	6.6	26.21	26.28	25.95	0.07	-0.262	56.68	16.95	1.839	888	0
6/17/2014 22:45	68601	15	168	6.103	136.7	12.8	8.75	131.3	8.71	11.95	126.9	6.82	25.91	25.98	25.66	0.071	-0.253	58.67	17.21	1.737	888	0
6/17/2014 23:00	68602	15	168	5.421	150.9	12.42	7.821	145.6	8.19	10.68	143.2	6.41	25.69	25.75	25.51	0.061	-0.187	60.84	17.58	1.588	888	0
6/17/2014 23:15	68603	15	168	5.327	150.5	12.03	7.784	144.9	8.62	10.25	143.4	6.884	25.66	25.72	25.37	0.065	-0.288	60.45	17.45	1.635	888	0
6/17/2014 23:30	68604	15	168	5.153	140.8	12.36	7.565	136.8	9.22	10.09	134.8	6.593	25.26	25.32	24.98	0.055	-0.284	62.59	17.63	1.526	888	0
6/17/2014 23:45	68605	15	168	5.377	145.1	14.31	7.849	140	10.37	10.48	137.9	7.899	25.3	25.35	25.01	0.045	-0.293	62.39	17.62	1.641	888	0
6/18/2014 0:00	68606	15	169	5.908	156	12.1	8.57	149.1	8.28	10.97	145.5	5.582	25.14	25.17	24.8	0.031	-0.334	62.99	17.61	1.623	888	0
6/18/2014 0:15	68607	15	169	6.54	146.9	12.14	9.87	142	7.913	13.24	140.2	5.764	24.94	25.06	24.77	0.124	-0.164	64.78	17.87	1.949	888	0
6/18/2014 0:30	68608	15	169	6.223	142.9	12.49	9.33	137.1	8.28	12.52	133.2	5.973	24.63	24.67	24.35	0.039	-0.275	67.44	18.22	1.625	888	0
6/18/2014 0:45	68609	15	169	6.006	137.8	11.82	8.47	133.7	7.727	11.43	132.4	5.865	24.43	24.45	24.11	0.016	-0.321	68.76	18.34	1.595	888	0
6/18/2014 1:00	68610	15	169	5.674	134.8	13.78	8.15	129.7	9.73	11.28	127.2	7.155	24.04	24.18	23.93	0.141	-0.115	71	18.47	1.714	888	0
6/18/2014 1:15	68611	15	169	5.012	124.9	11.91	7.383	119.8	7.121	10.3	117.4	4.793	23.86	23.96	23.69	0.096	-0.173	72.25	18.58	1.608	888	0
6/18/2014 1:30	68612	15	169	5.57	125.4	12.5	8.21	119.9	7.426	11.15	117	5.614	23.73	23.82	23.55	0.09	-0.186	72.2	18.45	1.907	887	0
6/18/2014 1:45	68613	15	169	4.758	133.5	11.17	6.893	127.9	7.144	9.06	124.5	5.051	23.56	23.65	23.34	0.085	-0.226	72.28	18.3	1.234	887	0
6/18/2014 2:00	68614	15	169	4.415	129.6	12.62	6.272	125.3	8.67	8.92	123.3	6.072	23.4	23.49	23.23	0.083	-0.175	72.87	18.28	1.51	887	0
6/18/2014 2:15	68615	15	169	4.333	136	12.35	6.229	131.7	8.12	8.89	127.7	5.505	23.25	23.35	23.08	0.098	-0.171	73.67	18.3	1.492	887	0
6/18/2014 2:30	68616	15	169	4.42	136.3	12.44	6.435	130.5	7.656	8.71	127.2	5.327	23.2	23.29	22.99	0.085	-0.208	73.7	18.26	1.357	887	0
6/18/2014 2:45	68617	15	169	4.176	139.7	11.95	6.062	135	7.885	8.3	133.1	5.46	23.13	23.23	22.98	0.107	-0.146	73.28	18.1	1.303	887	0
6/18/2014 3:00	68618	15	169	3.891	140.4	12.28	5.726	136.6	8.39	8.31	135.3	6.218	23.12	23.27	23.13	0.147	0.006	72.17	17.85	1.386	887	0
6/18/2014 3:15	68619	15	169	3.582	145.3	11.97	5.39	140	7.203	7.729	139.3	4.979	23.21	23.41	23.32	0.194	0.106	70.54	17.58	1.446	887	0
6/18/2014 3:30	68620	15	169	2.413	135.5	12.71	3.629	130.1	8.23	5.774	131.3	5.688	22.97	23.19	23.08	0.222	0.11	71.19	17.49	1.047	887	0
6/18/2014 3:45	68621	15	169	3.389	140.3	12.67	4.951	134.6	7.885	7.355	130.4	5.038	22.82	22.98	22.82	0.158	-0.003	72.82	17.7	1.1	887	0
6/18/2014 4:00	68622	15	169	2.94	136.8	11.73	4.476	130.2	7.54	6.5	128.7	5.289	22.62	22.78	22.59	0.166	-0.027	74.67	17.91	1.159	887	0
6/18/2014 4:15	68623	15	169	2.63	151.8	14	3.904	143.9	10.65	6.153	139	6.704	22.52	22.66	22.5	0.139	-0.018	75.29	17.94	1.094	887	0
6/18/2014 4:30	68624	15	169	2.4	159.5	11.61	3.728	152.3	8.04	5.699	148.3	4.969	22.5	22.65	22.47	0.151	-0.027	75.22	17.91	1.053	888	0
6/18/2014 4:45	68625	15	169	1.655	156.1	14.66	2.586	148.7	9.07	4.157	143.5	7.037	22.3	22.53	22.33	0.234	0.03	75.91	17.86	1.439	888	0
6/18/2014 5:00	68626	15	169	1.492	171.3	17.71	2.488	163.2	11.2	3.788	154.2	6.464	21.76	22.33	22.23	0.566	0.465	78	17.77	4.808	888	0
6/18/2014 5:15	68627	15	169	1.89	132.7	13.86	3.422	130	9.45	5.751	131.1	7.325	21.3	21.91	22.07	0.604	0.771	80.7	17.87	12.09	888	0
6/18/2014 5:30	68628	15	169	2.343	125.3	12.34	3.623	121.1	8.51	6.406	123.4	4.092	21.51	21.74	21.82	0.234	0.311	80.3	18	32.3	888	0
6/18/2014 5:45	68629	15	169	2.606	132.7	11.97	3.845	125.8	7.124	6.12	126.5	3.784	21.93	21.93	21.77	0.006	-0.156	78.93	18.12	96.6	888	0
6/18/2014 6:00	68630	15	169	2.982	138.9	12.34	4.376	133.2	8.05	6.185	131.4	4.857	22.35	22.27	21.9	-0.072	-0.443	76.63	18.06	103.1	888	0
6/18/2014 6:15	68631	15	169	3.123	154.3	12	4.429	146.9	7.923	5.484	144.1	6.348	22.9	22.66	22.25	-0.236	-0.648	74.8	18.2	194.2	888	0
6/18/2014 6:30	68632	15	169	3.146	154.7	12.81	4.561	148.2	8.26	5.504	144.8	5.132	23.36	23.08	22.59	-0.275	-0.77	71.74	17.98	205.6	888	0
6/18/2014 6:45	68633	15	169	3.352	161	11.83	4.597	154.7	7.867	5.531	151.2	5.221	23.98	23.67	23.13	-0.309	-0.849	68.64	17.87	269.1	888	0
6/18/2014 7:00	68634	15	169	3.82	162.4	11.89	5.299	156.9	7.335	5.968	153.6	5.231	24.42	23.77	23.13	-0.654	-1.286	66.99	17.91	438.3	888	0
6/18/2014 7:15	68635	15	169	3.493	157.3	14.29	4.849	152.4	9.62	5.671	150.6	6.383	24.93	24.25	23.56	-0.68	-1.364	64.84	17.87	486.2	888	0
6/18/2014 7:30	68636	15	169	3.368	159.5	14.16	4.523	153.7	11.31	5.35	150.7	7.039	25.41	24.58	23.82	-0.837	-1.592	62.48	17.74	548.5	888	0
6/18/2014 7:45	68637	15	169	3.557	174.1	15.74	4.592	170	11.79	5.189	168.1	8.64	25.84	25.03	24.33	-0.816	-1.517	59.33	17.33	607.3	888	0
6/18/2014 8:00	68638	15	169	2.572	206.1	20.24	3.195	199.5	17.01	3.963	194	16.37	26.46	25.66	24.89	-0.795	-1.571	54.9	16.67	671.2	888	0
6/18/2014 8:15	68639	15	169	2.78	196.9	19.52	3.473	190.7	15.06	4.142	188.6	11.97	26.96	26.02	25.22	-0.943	-1.743	53.59	16.76	743.5	888	0
6/18/2014 8:30	68640	15	169	2.661	209.7	20.32	3.279	204.9	18.63	3.868	198.4	12.96	27.58	26.63	25.89	-0.954	-1.699	51.2	16.61	874	888	0
6/18/2014 8:45	68641	15	169	3.071	202.3	21.82	3.714	200.7	19.91	4.255	199.9	11.43	28.56	27.55	26.77	-1.008	-1.794	45.59	15.69	975	888	0
6/18/2014 9:00	68642	15	169	2.896	216.7	18.57	3.559	214.6	15.39	4.052	219.8	14.21	29.34	28.32	27.54	-1.024	-1.803	41.21	14.82	1025	888	0
6/18/2014 9:15	68643	15	169	2.654	230	20.8	3.4	228.3	18.3	3.989	227.6	15.35	29.64	28.82	28.09	-0.821	-1.551	39.87	14.57	827	888	0
6/18/2014 9:30	68644	15	169	2.939	245.3	23.07	3.626	241.2	20.68	4.012	240.9	17.1	30.52	29.54	28.75	-0.985	-1.773	33.16	12.52	1158	888	0
6/18/2014 9:45	68645	15	169	2.174	242.8	26.97	3.02	236.6	23.69	3.603	238.6	17.32	30.93	30.03	29.38	-0.899	-1.557	32.19	12.42	965	888	0
6/18/2014 10:00	68646	15	169	2.161	269.2	27.16	2.873	266.9	23.58	3.327	261.1	19.18	31.69	30.76	30.13	-0.931	-1.567	27.26	10.54	1101	887	0
6/18/2014 10:15	68647	15	169	2.882	258.4	18.27	3.878	255.6	15.82	4.494	255.1	12.56	31.97	31.06	30.3	-0.907	-1.669	25.16	9.6	912	887	0
6/18/2014 10:30	68648	15	169	2.975	245	16.42	3.91	244.4	13.56	4.544	240.1	12.71	32.39	31.44	30.67	-0.949	-1.721	24.16	9.33	1033	887	0
6/18/2014 10:45	68649	15	169	2.946	261.1	22.05	3.907	259.2	18.06	4.694	254.9	13.99	33.06	32.01	31.14	-1.043	-1.914	22.57	8.9	1166	887	0
6/18/2014 11:00	68650	15	169	2.618	279.3	30.21	3.138	275.1	27.28	3.942	275.7	17.2	33.17	32.34	31.47	-0.824	-1.697	22.35	8.84	1180	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/18/2014 11:15	68651	15	169	3.041	279.5	33.3	3.712	276.7	32.92	4.027	273.4	29.38	33.8	32.79	31.85	-1.007	-1.952	21.87	9.04	1187	887	0
6/18/2014 11:30	68652	15	169	2.285	265.8	41.39	2.868	259.4	35.05	3.274	255.2	26.15	33.8	33.02	32.3	-0.771	-1.493	21.26	8.62	1208	887	0
6/18/2014 11:45	68653	15	169	3.089	231.6	26.51	3.861	226.9	24.59	4.555	226.5	16.74	34.33	33.28	32.26	-1.057	-2.075	20.48	8.51	1233	887	0
6/18/2014 12:00	68654	15	169	1.781	281.1	57.06	2.095	266.3	45.47	2.217	262.3	33.5	34.07	33.47	32.8	-0.601	-1.271	20.26	8.13	1271	887	0
6/18/2014 12:15	68655	15	169	2.964	241.9	32.49	3.876	238.5	30.44	4.57	235.5	27.35	35.19	34.09	33.14	-1.1	-2.044	19.23	8.28	1363	886	0
6/18/2014 12:30	68656	15	169	3.681	249.8	41.97	4.478	251.3	33.72	5.226	251.5	24.91	35.4	34.21	33.22	-1.192	-2.177	18.56	7.932	1253	886	0
6/18/2014 12:45	68657	15	169	2.088	282.5	50.7	2.488	290.4	37.02	2.997	286.6	34.92	34.89	34.12	33.4	-0.765	-1.491	18.5	7.463	1246	886	0
6/18/2014 13:00	68658	15	169	4.126	225.7	20.39	5.153	225.5	19.42	6.091	226.6	16.12	35.71	34.49	33.7	-1.218	-2.016	16.47	6.425	1196	886	0
6/18/2014 13:15	68659	15	169	2.056	229.5	51.9	2.52	225.3	48.73	3.135	219.4	36.59	35.07	34.37	33.57	-0.707	-1.507	16.66	6.092	756	885	0
6/18/2014 13:30	68660	15	169	2.799	215.9	24.87	4.01	207.5	21.08	5.141	196	17.36	34.17	33.86	33.3	-0.314	-0.873	21.45	8.95	426	885	0
6/18/2014 13:45	68661	15	169	2.968	285.7	31.43	3.688	285	29.97	3.988	277.8	24.3	34.53	34.09	33.42	-0.441	-1.106	18.43	7.102	629.8	885	0
6/18/2014 14:00	68662	15	169	2.722	272.3	31.62	3.405	267.2	32.62	4.034	261	26.04	34.45	34.05	33.46	-0.402	-0.996	17.66	6.435	289.9	885	0
6/18/2014 14:15	68663	15	169	5.01	237.8	65.5	6.815	238	63.87	7.67	232.4	62.76	30.93	30.94	31.41	0.007	0.48	26.94	8.86	208.8	886	5.08
6/18/2014 14:30	68664	15	169	3.829	66.55	26	5.849	65.08	18.26	6.367	71.28	15.81	28.23	29.86	30.78	1.631	2.551	41.81	13.99	789.9	886	0.254
6/18/2014 14:45	68665	15	169	1.531	51.07	28.94	1.961	52.23	25.76	2.047	75.08	19.95	31.78	31.85	31.82	0.077	0.049	38.07	15.64	1042	885	0
6/18/2014 15:00	68666	15	169	1.75	61.04	23.61	2.315	56.11	15.76	2.405	65.84	10.17	32.48	32.18	31.86	-0.3	-0.62	35.96	15.39	995	885	0
6/18/2014 15:15	68667	15	169	1.289	83.3	23.15	1.616	79.55	17.92	1.661	73.24	22.53	32.97	32.96	32.54	-0.011	-0.433	28.34	12.19	449.9	885	0
6/18/2014 15:30	68668	15	169	0.893	102.6	47.66	1.079	98.9	34.58	1.109	103.6	35.82	33.08	33.17	32.83	0.091	-0.251	26.57	11.29	424.5	885	0
6/18/2014 15:45	68669	15	169	2.962	194	47.31	3.943	189.5	46.77	4.92	199.7	43.53	33.45	33.69	33.39	0.247	-0.056	26	11.3	448.7	884	0
6/18/2014 16:00	68670	15	169	2.232	214.7	15.05	3.25	212.9	11.65	4.151	215.3	9.43	33.14	33.6	33.51	0.465	0.378	27.5	11.87	432.8	884	0
6/18/2014 16:15	68671	15	169	2.031	321.9	68.93	2.514	298.8	67.27	2.998	286.9	58.88	33.22	33.44	33.07	0.217	-0.153	24.36	10.05	657.6	884	0
6/18/2014 16:30	68672	15	169	4.328	178.3	27.19	6.158	175.5	26.28	8	174.6	21.21	32.4	32.91	32.73	0.51	0.329	25.57	10.18	310.9	884	0
6/18/2014 16:45	68673	15	169	4.12	181.2	13.07	6.042	174.7	10.64	7.522	169.7	7.42	32.26	32.65	32.43	0.384	0.17	26.66	10.71	330.9	884	0
6/18/2014 17:00	68674	15	169	3.6	174.5	11.75	5.164	171.4	8.93	6.293	170.6	6.775	31.9	32.46	32.32	0.565	0.421	26.86	10.51	252.4	884	0
6/18/2014 17:15	68675	15	169	3.266	183.5	12.98	4.736	179.3	8.7	6.13	175.5	6.189	32.36	32.8	32.61	0.436	0.249	26.2	10.53	292	884	0
6/18/2014 17:30	68676	15	169	3.229	187.7	12.51	4.725	182	10.45	5.954	177.8	8.18	32.86	33.18	32.9	0.319	0.04	24.68	10.05	359.2	884	0
6/18/2014 17:45	68677	15	169	3.05	183.6	15.32	4.598	180.2	12.68	5.698	178.6	9.47	32.93	33.41	33.21	0.48	0.277	24.07	9.74	291.2	884	0
6/18/2014 18:00	68678	15	169	2.699	192	10.27	4.162	187.5	7.841	5.556	181.7	5.165	32.73	33.35	33.32	0.619	0.588	24.45	9.81	224.3	884	0
6/18/2014 18:15	68679	15	169	2.157	187.5	11.29	3.459	181.5	8.02	4.758	177.3	5.444	32.43	33.35	33.43	0.914	1.003	25.05	9.92	167.6	884	0
6/18/2014 18:30	68680	15	169	2.156	180.1	9.99	3.786	178.3	6.304	5.628	177.2	3.641	31.6	32.98	33.39	1.38	1.788	26.47	10.05	66.68	884	0
6/18/2014 18:45	68681	15	169	2.654	157.3	24.47	4.628	158.8	20.21	6.438	162	18.36	30.53	32.22	32.81	1.693	2.279	31.22	11.54	70.72	884	0
6/18/2014 19:00	68682	15	169	6.877	152.1	13.32	10.13	146.6	9.05	13.29	142.3	5.661	28.85	29.19	28.99	0.336	0.132	46.17	16.15	27.9	885	0
6/18/2014 19:15	68683	15	169	6.894	147.2	11.78	10.33	142.1	7.66	13.52	137.9	4.863	28.05	28.38	28.21	0.329	0.164	50.15	16.72	5.236	885	0
6/18/2014 19:30	68684	15	169	5.881	145.4	12.98	8.88	139.9	9.26	11.53	135.1	6.795	27.54	27.91	27.77	0.369	0.236	52.29	16.91	2.012	885	0
6/18/2014 19:45	68685	15	169	5.763	131.1	11.63	8.49	126.2	7.161	11.18	122.8	5.146	26.64	26.97	26.82	0.335	0.181	53.99	16.58	1.82	886	0
6/18/2014 20:00	68686	15	169	5.233	129.6	11.41	7.71	125.7	7.496	10.36	123.1	5.535	26.34	26.61	26.47	0.271	0.124	57.06	17.18	1.723	886	0
6/18/2014 20:15	68687	15	169	6.158	128.7	11.92	9.18	124	7.24	11.63	120.5	5.53	26.01	26.27	26.05	0.266	0.039	60.44	17.78	1.85	886	0
6/18/2014 20:30	68688	15	169	5.72	126.1	13.06	8.44	122	9.33	11.3	119.3	7.759	25.48	25.7	25.49	0.225	0.008	65.1	18.46	1.488	886	0
6/18/2014 20:45	68689	15	169	6.925	126.6	12.66	10.34	122.3	8.12	13.64	119.6	5.953	24.79	24.96	24.68	0.167	-0.106	68.27	18.56	1.847	887	0
6/18/2014 21:00	68690	15	169	6.054	131.8	12.59	8.88	125.7	7.794	11.56	121.7	5.975	23.73	23.87	23.67	0.136	-0.069	69.74	17.89	1.855	887	0
6/18/2014 21:15	68691	15	169	5.996	133.1	11.44	8.76	128.7	7.794	11.52	125	5.685	23.62	23.77	23.54	0.144	-0.086	69.68	17.78	1.818	887	0
6/18/2014 21:30	68692	15	169	5.406	131.4	12.87	7.873	126.3	8.66	10.11	122.9	5.967	23.24	23.36	23.08	0.121	-0.158	69.78	17.43	1.569	887	0
6/18/2014 21:45	68693	15	169	5.406	132	12.09	7.867	127.4	8.27	10.86	123.8	6.139	22.96	23.1	22.9	0.139	-0.065	71.52	17.56	1.72	887	0
6/18/2014 22:00	68694	15	169	6.299	134.8	13.25	8.99	129.4	8.25	11.98	126.5	5.554	23.06	23.19	22.98	0.131	-0.08	71.95	17.75	1.683	887	0
6/18/2014 22:15	68695	15	169	6.154	136.6	12.59	8.83	132.3	7.788	11.61	128.8	5.637	23.07	23.17	22.93	0.105	-0.141	72.55	17.88	1.733	887	0
6/18/2014 22:30	68696	15	169	6.542	140.8	12.11	9.24	134.8	7.648	12.38	133	5.344	23.06	23.16	22.93	0.109	-0.127	72.89	17.95	1.957	887	0
6/18/2014 22:45	68697	15	169	6.315	141.4	11.55	9.22	136.9	8.2	12.01	135.1	5.334	22.96	23.12	22.89	0.157	-0.074	72.95	17.87	1.676	887	0
6/18/2014 23:00	68698	15	169	5.626	144.9	11.9	8.29	139.5	7.714	11.2	136.8	5.423	22.86	23.04	22.87	0.184	0.013	73.08	17.8	1.778	887	0
6/18/2014 23:15	68699	15	169	5.035	146.2	12.55	7.746	141	8.24	10.56	137.7	6.04	22.74	22.94	22.74	0.194	-0.002	73.43	17.76	1.74	888	0
6/18/2014 23:30	68700	15	169	5.731	150.4	13.02	8.34	145.2	8.52	11.09	142.6	6.165	22.78	22.95	22.73	0.17	-0.049	73.32	17.78	1.742	888	0
6/18/2014 23:45	68701	15	169	5.58	156.2	11.26	7.821	151.7	8.48	10.43	148.2	6.03	22.67	22.8	22.57	0.134	-0.1	74.72	17.97	1.828	888	0
6/19/2014 0:00	68702	15	170	5.551	158.1	11.57	8.13	152.7	7.635	10.49	149.4	5.735	22.58	22.74	22.51	0.161	-0.075	75.81	18.12	1.847	888	0
6/19/2014 0:15	68703	15	170	5.323	159.3	11.65	7.751	154.1	7.764	10.12	149.9	6.066	22.6	22.75	22.53	0.158	-0.068	76.65	18.3	1.604	888	0
6/19/2014 0:30	68704	15	170	4.225	154.4	13.55	6.239	149.3	9.27	8.44	148.6	6.763	22.67	22.85	22.64	0.184	-0.021	76.46	18.33	1.386	888	0
6/19/2014 0:45	68705	15	170	3	151.4	16.23	4.685	147.3	11.56	6.697	145.2	8.65	22.54	22.8	22.66	0.255	0.115	76.42	18.21	1.253	888	0
6/19/2014 1:00	68706	15	170	3.702	167.6	16.71	5.469	163.3	14.84	7.59	159	12.74	22.65	22.94	22.8	0.287	0.148	75.31	18.08	1.385	888	0
6/19/2014 1:15	68707	15	170	1.971	191.6	18.96	2.946	184.5	15.41	4.103	174.6	14.07	22.43	22.79	22.6	0.361	0.174	75.76	17.96	0.828	888	0
6/19/2014 1:30	68708	15	170	2.232	164.6	12.08	3.173	159.9	10.3	4.534	156	9.1	22.26	22.66	22.52	0.401	0.258	76.88	18.03	0.932	888	0
6/19/2014 1:45	68709	15	170	2.303	164.7	13.7	3.547	159.4	11.21	4.976	156.9	8.57	21.94	22.43	22.37	0.496	0.438	78.96	18.14	1.084	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/19/2014 2:00	68710	15	170	2.532	155.3	11.67	4.099	150.7	8.03	5.532	150.7	6.809	21.86	22.33	22.32	0.468	0.454	79.46	18.16	1.161	888	0
6/19/2014 2:15	68711	15	170	2.436	169.3	10.18	3.89	163.6	7.11	5.641	160	5.248	21.71	22.16	22.24	0.444	0.52	79.61	18.05	1.081	888	0
6/19/2014 2:30	68712	15	170	2.513	168.5	10.69	4.028	162.7	6.111	6.14	159.6	4.118	21.51	21.97	22.15	0.468	0.643	81	18.12	1.132	888	0
6/19/2014 2:45	68713	15	170	2.452	163.7	11.9	3.841	159.7	8.59	6.096	157.4	4.964	21.56	21.94	22.06	0.382	0.497	80.3	18.05	1.084	888	0
6/19/2014 3:00	68714	15	170	2.317	153.6	11.18	3.801	149.8	6.683	5.962	151.2	4.893	21.46	21.88	22.03	0.415	0.572	81	18.08	1.063	888	0
6/19/2014 3:15	68715	15	170	1.93	141.8	14.73	3.329	138.7	9.69	5.335	140.6	6.756	21.47	21.92	22.05	0.452	0.584	79.87	17.87	0.996	888	0
6/19/2014 3:30	68716	15	170	2.137	124.8	12.4	3.545	124.6	8.7	5.834	130.5	6.19	21.45	21.9	22.17	0.452	0.719	78.67	17.61	1.137	888	0
6/19/2014 3:45	68717	15	170	2.359	147.2	13.64	3.735	142.5	10.21	5.882	143.8	7.361	21.72	22.14	22.32	0.411	0.599	74.51	17.01	1.108	888	0
6/19/2014 4:00	68718	15	170	2.638	158.7	12.01	4.407	153.6	8.37	6.672	153.2	5.849	21.75	22.25	22.51	0.507	0.762	71.46	16.38	1.226	888	0
6/19/2014 4:15	68719	15	170	3.227	149.2	11.43	5.032	144.1	7.536	7.694	144.2	6.172	21.96	22.33	22.47	0.365	0.509	67.29	15.64	1.508	888	0
6/19/2014 4:30	68720	15	170	3.517	145.3	11.61	5.498	140.3	7.396	7.875	139.5	4.862	22.14	22.46	22.52	0.324	0.379	65.73	15.44	1.282	888	0
6/19/2014 4:45	68721	15	170	3.294	151.6	11.78	5.206	144.8	6.914	7.657	142.6	4.599	22.12	22.49	22.58	0.368	0.453	65.48	15.37	1.808	888	0
6/19/2014 5:00	68722	15	170	3.267	153.4	12.11	5.271	148	7.451	7.922	147	4.527	22.03	22.43	22.6	0.406	0.571	65.57	15.3	7.622	888	0
6/19/2014 5:15	68723	15	170	2.871	157.9	12.3	4.375	151.6	9.44	6.94	149.9	5.712	21.99	22.3	22.41	0.313	0.422	66.26	15.43	22.17	888	0
6/19/2014 5:30	68724	15	170	3.433	164.4	10.4	5.071	159	7.284	7.412	156.4	4.521	22.15	22.44	22.5	0.285	0.351	65.5	15.4	43.9	888	0
6/19/2014 5:45	68725	15	170	2.972	168.1	10.98	4.427	161.7	7.277	6.604	159.6	4.517	22.41	22.64	22.66	0.231	0.25	64.08	15.3	81.7	888	0
6/19/2014 6:00	68726	15	170	2.848	164	11.42	4.213	158	7.514	6.431	156.5	4.633	22.69	22.92	22.91	0.232	0.218	62.51	15.18	99.5	889	0
6/19/2014 6:15	68727	15	170	2.565	165.3	12.99	3.944	158.1	8.95	6.18	155.9	5.194	22.87	23.1	23.1	0.232	0.235	61.74	15.16	118.2	889	0
6/19/2014 6:30	68728	15	170	2.543	167.7	12.01	3.871	161.9	8.15	5.79	159.8	5.036	23.13	23.38	23.36	0.253	0.235	61.11	15.24	125.9	889	0
6/19/2014 6:45	68729	15	170	2.479	163.9	12.19	3.551	159.2	8.98	5.249	157.4	6.25	23.59	23.64	23.46	0.048	-0.133	60.25	15.46	214.9	889	0
6/19/2014 7:00	68730	15	170	2.541	173.9	14.51	3.485	169.2	11.59	4.687	167	8.78	24.32	24.1	23.63	-0.224	-0.688	58.44	15.67	319.2	889	0
6/19/2014 7:15	68731	15	170	3.076	183.4	10.98	4.208	179.1	8.94	4.915	175.1	9.66	24.59	24.34	23.86	-0.246	-0.726	56.61	15.42	339.4	889	0
6/19/2014 7:30	68732	15	170	2.57	199.4	11.91	3.536	193.8	9.02	4.359	191.4	7.533	24.79	24.57	24.05	-0.225	-0.737	56.58	15.6	317.6	889	0
6/19/2014 7:45	68733	15	170	2.87	216.3	14.35	3.646	212.4	11.29	4.436	210.4	9.03	25.13	24.75	24.18	-0.376	-0.953	55.63	15.65	463.6	890	0
6/19/2014 8:00	68734	15	170	2.592	234.9	15.05	3.393	231.7	13.59	3.981	229.3	10.93	25.63	25.09	24.49	-0.54	-1.137	54.42	15.77	544.6	890	0
6/19/2014 8:15	68735	15	170	2.471	263.9	13.99	3.415	261	11.43	3.869	252.4	11.15	25.85	25.24	24.64	-0.61	-1.213	52.62	15.45	581.2	890	0
6/19/2014 8:30	68736	15	170	2.286	260.8	16.86	3.119	259.3	13.15	3.562	255.8	11.68	25.58	25.04	24.48	-0.537	-1.093	53.27	15.39	428.6	890	0
6/19/2014 8:45	68737	15	170	1.945	283.1	23.27	2.443	280.4	17.83	2.793	275.7	11.97	25.56	25.09	24.57	-0.469	-0.996	52.59	15.18	503.4	889	0
6/19/2014 9:00	68738	15	170	1.842	282.4	29.16	2.25	274.4	24.94	2.878	259.2	18.55	25.86	25.31	24.63	-0.542	-1.229	53.67	15.76	698.2	889	0
6/19/2014 9:15	68739	15	170	1.287	255.6	38.16	1.588	251.1	37.95	2.07	251.7	34.28	25.74	25.36	24.84	-0.385	-0.903	55.83	16.27	529.2	889	0
6/19/2014 9:30	68740	15	170	0.888	179.6	66.19	1.192	188	56.27	1.448	196.3	39.73	25.86	25.54	25.05	-0.317	-0.811	57.55	16.86	610.5	889	0
6/19/2014 9:45	68741	15	170	1.166	263.1	40.72	1.413	257.5	33.29	1.504	240.7	27.24	26.31	25.89	25.31	-0.421	-1.005	54.46	16.41	884	889	0
6/19/2014 10:00	68742	15	170	0.932	176.9	72.7	1.043	159.2	65.82	0.999	79.66	95.8	26.9	26.48	26	-0.419	-0.898	51.46	16.07	1002	889	0
6/19/2014 10:15	68743	15	170	1.118	43.04	66.23	1.333	39.69	60.36	1.72	62.05	52.06	27.6	27.11	26.36	-0.49	-1.238	50.02	16.27	1076	890	0
6/19/2014 10:30	68744	15	170	1.211	15.24	58.89	1.644	10.41	40.02	2.076	2.306	37.81	28.48	27.76	27.16	-0.714	-1.321	45.54	15.58	1054	889	0
6/19/2014 10:45	68745	15	170	1.667	45.59	54.41	2.029	35.59	54.76	2.571	18.8	37.64	29.04	28.23	27.59	-0.807	-1.453	42.26	14.94	1093	889	0
6/19/2014 11:00	68746	15	170	2.028	68.49	26.16	2.656	63.06	24.71	3.236	50.87	23.51	29.77	28.87	28.08	-0.892	-1.69	41.32	15.24	1144	889	0
6/19/2014 11:15	68747	15	170	1.673	33.72	57.23	2.144	29.89	55.14	2.799	28.56	45.74	30.46	29.57	28.8	-0.884	-1.658	38.84	14.89	1101	889	0
6/19/2014 11:30	68748	15	170	1.638	51.19	51.46	1.936	42.14	35.99	2.504	36.46	25.85	30.9	30.06	29.42	-0.838	-1.48	36.73	14.41	1087	889	0
6/19/2014 11:45	68749	15	170	2.039	18.21	30.54	2.688	14.48	25.19	3.241	14.64	27.45	31.9	31.03	30.14	-0.874	-1.765	33.48	13.87	1097	889	0
6/19/2014 12:00	68750	15	170	1.749	15.34	32.45	2.271	15.54	20.53	2.54	18	16	31.93	31.06	30.21	-0.876	-1.723	31.96	13.19	996	889	0
6/19/2014 12:15	68751	15	170	2.268	63.16	22.86	2.84	59.73	18.43	3.628	60	13.75	32.3	31.57	30.8	-0.726	-1.504	29.61	12.32	1085	889	0
6/19/2014 12:30	68752	15	170	1.929	89.1	43.94	2.276	86.4	37.9	2.677	73.98	22.86	32.82	31.89	31.19	-0.925	-1.625	27.94	11.89	1263	889	0
6/19/2014 12:45	68753	15	170	1.639	244.6	56.18	1.964	239.5	59.65	2.24	228.9	60.09	33.28	32.54	31.81	-0.74	-1.468	26.79	11.65	1213	889	0
6/19/2014 13:00	68754	15	170	2.496	92.9	58.55	3.078	93.4	52.65	3.404	92.9	43.22	33.52	32.55	31.73	-0.97	-1.782	27.31	12.14	1277	888	0
6/19/2014 13:15	68755	15	170	4.429	108.3	20.33	5.814	104.9	17.48	7.103	103	15.31	33.6	32.37	31.43	-1.227	-2.166	30.16	13.73	979	888	0
6/19/2014 13:30	68756	15	170	4.367	122.2	21	5.949	118	17.2	7.04	113.1	14.16	33.81	32.26	31.21	-1.547	-2.599	31.3	14.48	1145	888	0
6/19/2014 13:45	68757	15	170	4.431	115.6	15.49	5.969	112.5	11.43	7.329	111.7	9.38	33.86	32.25	31.15	-1.605	-2.707	30.87	14.32	1161	888	0
6/19/2014 14:00	68758	15	170	4.345	121.7	17.81	5.892	118.7	13.43	7.11	117.5	9.72	33.64	32.17	31.2	-1.469	-2.446	29.89	13.63	1065	888	0
6/19/2014 14:15	68759	15	170	4.723	128.8	16.23	6.446	124.4	12.34	7.512	120.6	10.25	33.81	32.39	31.52	-1.414	-2.288	29	13.31	1043	888	0
6/19/2014 14:30	68760	15	170	4.686	127.2	18.12	6.45	123.8	15.19	7.597	120.5	13.87	33.99	32.65	31.72	-1.337	-2.272	28	12.92	992	888	0
6/19/2014 14:45	68761	15	170	4.12	130.8	21.7	5.838	126.4	16.62	7.102	118.2	12.34	34.27	32.92	31.96	-1.348	-2.305	27.37	12.82	1025	888	0
6/19/2014 15:00	68762	15	170	4.913	127.8	17.07	6.653	122.6	12.76	7.943	119.8	9.11	33.88	32.67	31.84	-1.205	-2.04	28.09	12.88	809	888	0
6/19/2014 15:15	68763	15	170	4.962	133.3	15.22	7.274	129	10.99	8.69	126	8.13	32.7	32.13	31.46	-0.573	-1.241	30.2	12.98	282	888	0
6/19/2014 15:30	68764	15	170	4.557	143.8	13.95	6.572	137.2	11.15	8.23	134.4	10.18	32.37	32.08	31.5	-0.285	-0.869	30.01	12.59	190	888	0
6/19/2014 15:45	68765	15	170	4.891	142.3	13.41	6.979	137.5	9.79	8.76	132.7	7.38	32.1	31.93	31.39	-0.171	-0.712	29.96	12.35	153.2	888	0
6/19/2014 16:00	68766	15	170	4.756	143.5	12.29	7.072	137.5	7.889	8.64	133.3	5.629	32	31.9	31.41	-0.108	-0.59	29.65	12.1	133.9	888	0
6/19/2014 16:15	68767	15	170	4.202	140.3	12.46	6.198	136	9.01	7.796	132.3	7.17	32.14	31.97	31.49	-0.164	-0.645	30.33	12.56	214.4	887	0
6/19/2014 16:30	68768	15	170	4.363	143.4	14.66	6.279	138.1	11.06	8.05	134	7.887	32.41	32.12	31.54	-0.298	-0.874	30.83	13.05	300.3	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/19/2014 16:45	68769	15	170	5.055	133.1	12.53	7.103	129.1	8.17	8.7	126.1	5.55	32.17	31.9	31.32	-0.278	-0.85	31.66	13.25	262.9	887	0
6/19/2014 17:00	68770	15	170	4.504	137.1	14.47	6.546	132.8	10.22	8.19	130.1	7.021	32.01	31.82	31.3	-0.187	-0.709	32.79	13.65	216.2	887	0
6/19/2014 17:15	68771	15	170	4.643	131.1	14.85	6.895	127.6	10.16	9.04	125.6	7.234	31.63	31.57	31.1	-0.056	-0.529	32.96	13.39	133.8	887	0
6/19/2014 17:30	68772	15	170	3.683	139.9	13.74	5.49	134.3	11.13	7.311	131.9	10.42	31.33	31.41	31.05	0.082	-0.286	32.99	13.15	78.65	887	0
6/19/2014 17:45	68773	15	170	2.851	166.6	68.13	4.016	155.4	66.78	5.319	144.7	57.98	30.53	30.59	30.21	0.061	-0.324	34.11	12.96	55.59	888	0
6/19/2014 18:00	68774	15	170	2.366	318.9	34.08	2.971	310.5	25.87	3.979	301	18.49	27.18	26.94	26.58	-0.232	-0.599	35.92	10.8	48.58	888	0
6/19/2014 18:15	68775	15	170	6.586	328.5	13.31	9.71	325.8	10.54	13.06	320.2	8.62	27.12	26.93	26.47	-0.187	-0.646	33.73	9.72	8.86	888	0
6/19/2014 18:30	68776	15	170	11	338.9	15.53	16.39	336.5	8.56	23.48	327.1	6.039	19.76	19.77	20.47	0.01	0.715	66.93	13.17	10.83	889	2.794
6/19/2014 18:45	68777	15	170	7.019	5.926	21.94	10.92	0.899	17.37	13.39	346.8	14.81	17.85	18.46	18.14	0.607	0.295	80.3	14.38	12.77	891	10.92
6/19/2014 19:00	68778	15	170	3.846	86.5	21.4	6.225	76.98	18.57	6.574	68.19	23.32	17.99	20.25	22.19	2.258	4.199	79.68	14.43	9.41	890	6.096
6/19/2014 19:15	68779	15	170	5.001	79.13	12.5	8.22	76.73	8.58	9.68	71.71	6.963	19.35	20.48	22.84	1.129	3.494	70.44	13.85	4.141	890	1.27
6/19/2014 19:30	68780	15	170	5.112	85.2	11.73	8.16	81.7	8.63	11.55	75.36	5.347	19.77	20.93	25.16	1.161	5.388	69.25	13.99	1.919	889	0
6/19/2014 19:45	68781	15	170	5.178	83.8	13.23	7.968	79.37	9.92	13.08	69.73	5.998	19.94	20.78	23.05	0.838	3.104	68.06	13.89	1.558	889	0
6/19/2014 20:00	68782	15	170	5.901	96.6	11.78	8.38	91	8.47	12.37	80.1	6.256	19.81	20.16	20.5	0.348	0.689	75.3	15.33	1.566	890	0
6/19/2014 20:15	68783	15	170	7.818	99.6	12.11	11.27	95.8	8.92	16.2	89.7	5.306	18.93	19.12	19.2	0.19	0.275	75.94	14.6	2.112	890	0
6/19/2014 20:30	68784	15	170	8.11	114	12.3	11.88	109.6	8.34	16.35	102.9	4.698	19.36	19.68	20.15	0.314	0.785	69.49	13.64	2.072	891	0
6/19/2014 20:45	68785	15	170	8.25	106.4	13.05	11.95	103.1	8.18	17.55	98.7	4.092	19.27	19.51	20.18	0.238	0.911	66.9	12.99	2	891	0
6/19/2014 21:00	68786	15	170	7.163	104.3	10.9	10.28	101.1	7.931	15.48	99.3	4.048	20.62	20.99	21.81	0.37	1.183	58.98	12.34	2.053	891	0
6/19/2014 21:15	68787	15	170	6.992	117.3	11.99	10.25	114.8	7.847	14.7	110.8	4.674	20.28	20.61	20.88	0.336	0.601	60.43	12.39	2.014	891	0
6/19/2014 21:30	68788	15	170	6.405	120.6	12.09	9.67	115.8	6.71	14.48	111.4	3.914	20.58	20.95	21.33	0.37	0.746	59.91	12.54	1.975	892	0
6/19/2014 21:45	68789	15	170	6.838	125.2	11.36	10.06	120.1	7.114	14.5	115	4.196	20.81	21.14	21.32	0.33	0.506	58.78	12.46	2.059	892	0
6/19/2014 22:00	68790	15	170	6.038	122.9	12.29	9.12	118.8	7.351	13.2	113.2	4.337	20.97	21.33	21.59	0.365	0.618	59.28	12.74	1.848	891	0
6/19/2014 22:15	68791	15	170	5.742	129.5	11.73	8.56	124.1	7.292	12.63	116.7	4.379	21.31	21.71	22.01	0.395	0.697	57.84	12.69	1.685	891	0
6/19/2014 22:30	68792	15	170	6.359	125.6	11.51	9.51	120.2	7.62	14.01	114.5	4.147	21.62	22.02	22.31	0.394	0.692	56.09	12.5	2.057	891	0
6/19/2014 22:45	68793	15	170	6.184	120.2	12.15	9.24	116.1	7.147	12.88	110.7	4.533	22.19	22.67	22.87	0.482	0.682	51.93	11.87	1.826	891	0
6/19/2014 23:00	68794	15	170	5.367	121.5	12.09	7.907	115.6	7.511	11.99	108.7	4.397	21.99	22.44	22.77	0.455	0.786	52.98	11.98	1.729	891	0
6/19/2014 23:15	68795	15	170	5.549	128.6	12.6	8.26	123.9	8.76	11.67	116.9	5.539	21.63	22	22.11	0.375	0.486	55.37	12.31	1.607	891	0
6/19/2014 23:30	68796	15	170	4.919	126.2	11.84	7.33	121.1	7.835	11.07	111.6	5.936	21.37	21.73	22.03	0.366	0.664	57.74	12.71	1.626	891	0
6/19/2014 23:45	68797	15	170	4.345	140.5	15.73	6.555	134.5	12.85	9.61	124.8	11	21.28	21.65	21.78	0.376	0.503	57.37	12.53	1.435	891	0
6/20/2014 0:00	68798	15	171	4.244	160	9.63	6.432	152.3	6.93	9.12	142.9	4.825	21	21.42	21.63	0.415	0.632	59.93	12.94	1.348	891	0
6/20/2014 0:15	68799	15	171	4.654	153.2	11.27	7.182	147.5	7.111	10.42	142.8	4.602	21.58	21.98	22.11	0.401	0.524	59.91	13.48	1.957	891	0
6/20/2014 0:30	68800	15	171	4.853	163.2	11.66	7.059	156.4	8.44	10.04	151.3	6.779	21.49	21.83	21.9	0.338	0.409	63.94	14.4	1.517	891	0
6/20/2014 0:45	68801	15	171	4.936	174.3	10.7	6.89	168.9	7.759	10	162.8	5.063	21.66	21.97	22.09	0.315	0.428	64.38	14.66	1.609	891	0
6/20/2014 1:00	68802	15	171	5.217	175	10.47	7.48	169.2	7.185	10.43	164.1	5.336	21.91	22.24	22.27	0.325	0.357	64.66	14.97	1.525	891	0
6/20/2014 1:15	68803	15	171	4.797	173.6	11.12	6.867	168.6	7.996	9.74	163.5	5.079	21.83	22.15	22.16	0.317	0.329	65.47	15.09	1.275	890	0
6/20/2014 1:30	68804	15	171	3.984	178.6	12.05	5.917	174.3	8.66	8.44	168.9	5.631	21.6	21.94	21.96	0.34	0.357	67.02	15.23	1.262	890	0
6/20/2014 1:45	68805	15	171	3.878	183.3	11	5.645	178.9	8.04	8.04	175.2	5.459	21.46	21.79	21.79	0.329	0.325	68.13	15.35	1.52	890	0
6/20/2014 2:00	68806	15	171	2.847	175.1	14.56	4.291	170.4	11.52	6.505	169.9	7.428	21.07	21.47	21.56	0.403	0.493	70.04	15.41	1.085	890	0
6/20/2014 2:15	68807	15	171	1.133	182.8	17.4	1.924	180.8	12.35	3.764	176.9	7.632	20.57	21.19	21.34	0.616	0.767	72.59	15.49	0.785	891	0
6/20/2014 2:30	68808	15	171	1.326	97.9	29.13	2.176	121.3	27.9	2.986	142.5	20.67	19.53	21.06	21.29	1.531	1.761	78.45	15.69	0.642	891	0
6/20/2014 2:45	68809	15	171	1.722	73.94	10.66	3.362	79.39	6.762	3.408	103.5	5.466	19.15	20.44	21.25	1.288	2.101	83.6	16.32	0.793	892	0
6/20/2014 3:00	68810	15	171	1.714	89.7	9.89	3.38	91.3	5.947	4.386	110.8	5.479	19.16	20.01	21.18	0.846	2.015	84.6	16.52	0.784	892	0
6/20/2014 3:15	68811	15	171	1.532	107.9	18.17	3.23	106.8	10.84	5.051	118.7	4.488	18.99	19.82	20.98	0.831	1.984	86	16.62	0.964	892	0
6/20/2014 3:30	68812	15	171	1.612	104	15.68	2.963	107.3	8.35	5.213	123.2	4.94	19.31	19.95	20.76	0.637	1.442	84.7	16.69	0.835	892	0
6/20/2014 3:45	68813	15	171	1.625	119.7	10.36	3.221	118.8	4.543	5.622	131.4	1.919	19.13	19.76	20.51	0.626	1.378	85.9	16.73	0.94	892	0
6/20/2014 4:00	68814	15	171	1.311	121	10.14	2.755	120.6	5.415	5.375	135.8	3.335	18.86	19.54	20.3	0.677	1.441	87.8	16.8	0.93	892	0
6/20/2014 4:15	68815	15	171	1.479	116.5	8.82	3.12	120.6	3.537	5.92	139.5	0.984	18.71	19.45	20.51	0.745	1.801	89.4	16.95	0.992	892	0
6/20/2014 4:30	68816	15	171	1.697	124.1	11.21	3.386	124.1	5.162	6.657	139.1	0.682	18.75	19.35	20.53	0.608	1.782	89.6	17.02	1.152	892	0
6/20/2014 4:45	68817	15	171	1.816	128.4	10.68	3.353	126.4	5.288	6.839	135.7	1.962	18.91	19.39	20.51	0.487	1.603	89	17.08	1.632	892	0
6/20/2014 5:00	68818	15	171	1.833	131.2	11.39	3.363	127.4	6.243	6.945	132.6	1.961	18.99	19.42	20.33	0.428	1.334	88.8	17.12	5.384	892	0
6/20/2014 5:15	68819	15	171	1.624	128.2	10.27	2.876	125.7	5.888	5.991	127.8	2.929	19.02	19.38	19.95	0.357	0.927	88.9	17.17	19.2	893	0
6/20/2014 5:30	68820	15	171	1.795	130.3	10.28	2.837	128	6.297	5.058	123.5	4.504	19.29	19.48	19.59	0.192	0.302	88.6	17.37	65.31	893	0
6/20/2014 5:45	68821	15	171	2.248	128.3	12.53	3.29	123.1	8.83	5.325	116.6	5.314	20.01	19.88	19.72	-0.128	-0.29	86.4	17.68	154.7	893	0
6/20/2014 6:00	68822	15	171	3.339	124.6	12.19	4.775	120.7	6.869	5.942	118.1	5.768	20.67	20.41	20.04	-0.26	-0.639	82.5	17.61	232	893	0
6/20/2014 6:15	68823	15	171	3.612	130.1	12.36	5.217	125.8	8.92	6.235	122.3	6.83	21.24	20.86	20.36	-0.378	-0.879	79.38	17.54	305.9	893	0
6/20/2014 6:30	68824	15	171	4.077	132.7	13.5	5.926	128.8	8.76	7.408	124	5.298	21.42	21.02	20.46	-0.397	-0.956	76.86	17.2	319.8	893	0
6/20/2014 6:45	68825	15	171	4.034	137.7	14.52	5.895	131.8	10.02	7.352	128.5	7.034	21.35	20.94	20.38	-0.41	-0.965	76.3	17.02	327.9	893	0
6/20/2014 7:00	68826	15	171	4.155	141.1	13.64	6.047	136.7	9.01	7.361	133.8	6.043	21.24	21.01	20.51	-0.234	-0.73	76.95	17.05	201.6	894	0
6/20/2014 7:15	68827	15	171	3.714	136.3	14.99	5.364	130.3	10.88	6.355	128	7.678	21.33	20.95	20.4	-0.377	-0.923	79.11	17.57	257.4	894	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/20/2014 7:30	68828	15	171	3.451	143.8	13.19	4.918	138.4	9.83	5.986	136	8.04	21.49	21.12	20.58	-0.369	-0.916	77.56	17.42	235.9	894	0
6/20/2014 7:45	68829	15	171	3.205	140.8	15.56	4.557	135.3	11.08	5.428	132.7	10.36	21.39	21.1	20.6	-0.293	-0.79	77.97	17.41	170.2	894	0
6/20/2014 8:00	68830	15	171	3.906	131.4	14.42	5.689	126.6	8.89	6.784	123.2	6.373	21.51	20.99	20.38	-0.529	-1.135	79.26	17.79	382.7	894	0
6/20/2014 8:15	68831	15	171	3.364	132.6	17.26	4.574	126.6	11.6	5.174	119.9	8.05	22.01	21.01	20.36	-1.001	-1.655	77.95	18.01	742.5	894	0
6/20/2014 8:30	68832	15	171	2.729	121.6	21.08	3.559	117.8	14.3	4.013	112.7	9.13	22.31	21.38	20.7	-0.931	-1.609	76.93	18.08	774.6	893	0
6/20/2014 8:45	68833	15	171	2.963	115.5	17.65	3.884	114.4	12.42	4.529	113.4	8.7	23.01	21.97	21.2	-1.043	-1.808	72.34	17.78	901	893	0
6/20/2014 9:00	68834	15	171	2.687	135.8	17.45	3.628	130.9	14.55	4.306	127.4	11.13	23.24	22.25	21.55	-0.991	-1.686	71.04	17.71	804	893	0
6/20/2014 9:15	68835	15	171	2.763	141.4	23.58	3.516	138.1	17.25	4.169	134.6	14.44	23.6	22.66	21.91	-0.938	-1.696	69.03	17.61	876	893	0
6/20/2014 9:30	68836	15	171	2.979	135.9	19.96	3.882	130.4	16.45	4.66	123.5	12.87	24.26	23.23	22.38	-1.034	-1.885	65.91	17.5	930	893	0
6/20/2014 9:45	68837	15	171	3.121	124.9	19.52	4.119	122.6	13.79	4.872	123.5	11.98	23.97	23.13	22.47	-0.844	-1.504	65.65	17.16	595.5	893	0
6/20/2014 10:00	68838	15	171	2.556	132.5	26.43	3.266	133.4	22.17	3.908	131.6	21.57	24.14	23.27	22.73	-0.864	-1.412	64.98	17.16	854	893	0
6/20/2014 10:15	68839	15	171	2.246	136.1	28.64	2.985	132.9	23.7	3.857	130.2	18.15	24.56	23.88	23.29	-0.68	-1.267	63.05	17.08	507.3	893	0
6/20/2014 10:30	68840	15	171	3.826	123.7	14.88	5.203	119.7	11.38	6.02	117.5	10.19	25.61	24.46	23.72	-1.148	-1.887	58.98	17.01	986	893	0
6/20/2014 10:45	68841	15	171	3.974	118.1	17.34	5.3	114.9	14.36	6.107	114.5	13.94	25.37	24.39	23.74	-0.981	-1.629	59.99	17.06	795.3	893	0
6/20/2014 11:00	68842	15	171	3.697	107.5	15.06	4.802	103.1	11.6	5.755	102.6	9.49	25.48	24.3	23.48	-1.177	-1.996	61.72	17.61	1163	893	0
6/20/2014 11:15	68843	15	171	3.647	109.9	19.58	5.01	106.7	14.59	5.884	102.7	13.95	26.12	24.73	23.85	-1.39	-2.271	59.43	17.61	1244	893	0
6/20/2014 11:30	68844	15	171	3.496	107.5	15.79	4.621	105	12.61	5.617	104.7	9.74	26.26	25.04	24.24	-1.221	-2.024	56.76	17.02	1085	893	0
6/20/2014 11:45	68845	15	171	3.911	118.7	18.59	5.233	114.8	14.5	6.214	109	10.96	26.88	25.42	24.48	-1.457	-2.397	54.37	16.91	1301	893	0
6/20/2014 12:00	68846	15	171	3.639	126.1	19.13	4.917	120.9	15.73	5.942	119.7	13.54	27.04	25.64	24.76	-1.396	-2.273	52.93	16.64	1204	893	0
6/20/2014 12:15	68847	15	171	4.036	124.7	21.21	5.541	119.5	17.99	6.619	115.3	14.96	26.97	25.82	24.99	-1.15	-1.977	51.27	16.07	923	892	0
6/20/2014 12:30	68848	15	171	4.216	128.9	19.33	5.731	123.7	14.6	6.748	117.2	12.19	27.66	26.21	25.34	-1.442	-2.318	48.49	15.83	1231	892	0
6/20/2014 12:45	68849	15	171	4.239	114.7	24.97	5.698	111.1	21.95	6.716	107.8	18.03	27.79	26.45	25.52	-1.343	-2.269	48.06	15.81	1186	892	0
6/20/2014 13:00	68850	15	171	3.759	108.7	18.51	5.091	105.1	14.17	6.109	101	12.04	28.08	26.7	25.78	-1.373	-2.293	46.28	15.48	1247	892	0
6/20/2014 13:15	68851	15	171	3.795	112.7	20.14	5.337	108.5	16.38	6.431	103.8	11.43	27.69	26.68	25.91	-1.011	-1.776	46.18	15.1	710.5	892	0
6/20/2014 13:30	68852	15	171	3.696	112.7	21.96	4.957	108.4	16.52	5.885	107.9	15.31	28.42	27.11	26.31	-1.314	-2.109	43.3	14.76	1139	891	0
6/20/2014 13:45	68853	15	171	3.833	102.9	21.79	5.023	101.6	18	5.838	100.9	14.74	28.58	27.34	26.52	-1.238	-2.06	42.33	14.55	1149	891	0
6/20/2014 14:00	68854	15	171	3.718	100.5	22.38	4.953	98.5	19.14	5.85	96.6	14.81	28.29	27.26	26.56	-1.029	-1.737	42.66	14.42	914	891	0
6/20/2014 14:15	68855	15	171	3.166	108.7	23.49	4.232	105.3	18.45	5.096	102.5	18.35	28.33	27.4	26.62	-0.93	-1.702	41.76	14.11	817	891	0
6/20/2014 14:30	68856	15	171	3.438	105.3	24.82	4.532	103	19.51	5.339	98.7	15.79	28.87	27.69	26.86	-1.175	-2.003	41.43	14.48	1092	891	0
6/20/2014 14:45	68857	15	171	3.459	115.5	21.26	4.669	111.7	16.31	5.588	107.2	11.45	29.04	27.84	27.01	-1.205	-2.036	40.09	14.13	1055	891	0
6/20/2014 15:00	68858	15	171	3.737	110.4	21.78	4.887	110.3	18.01	5.933	106.3	14.96	29.17	27.95	27.13	-1.22	-2.039	40.37	14.35	995	891	0
6/20/2014 15:15	68859	15	171	3.702	111.4	24.44	4.909	107.5	20.05	5.79	102.7	15.85	29.21	28.06	27.22	-1.141	-1.98	40.79	14.54	925	890	0
6/20/2014 15:30	68860	15	171	3.438	109.9	22.95	4.724	103.3	18.76	5.662	99.4	15.97	29.28	28.19	27.38	-1.085	-1.898	39.55	14.13	826	890	0
6/20/2014 15:45	68861	15	171	3.751	111.7	16.51	4.963	106.3	13.89	5.942	101.1	15.78	28.86	28.04	27.35	-0.825	-1.512	39.5	13.73	628.4	890	0
6/20/2014 16:00	68862	15	171	3.301	116.9	25.74	4.399	112.4	20.72	5.157	107.7	18.34	29.31	28.33	27.64	-0.973	-1.667	38.31	13.66	798.9	890	0
6/20/2014 16:15	68863	15	171	3.731	120.7	19.99	5.019	115.2	16.1	5.763	110.6	12.6	29.47	28.5	27.71	-0.969	-1.756	37.42	13.45	725.4	890	0
6/20/2014 16:30	68864	15	171	3.528	119	18.47	4.855	115.5	14.16	5.887	112.5	11.55	29.35	28.52	27.85	-0.826	-1.498	36.37	12.9	623.5	890	0
6/20/2014 16:45	68865	15	171	4.161	123.5	19.92	5.823	117.7	15.37	6.907	110.5	13.65	29.42	28.61	27.89	-0.807	-1.527	37.24	13.32	643.6	890	0
6/20/2014 17:00	68866	15	171	5.691	114.5	14.25	8.22	110.9	8.82	10.41	107.9	5.81	28.35	27.81	27.07	-0.539	-1.283	42.08	14.24	348.1	890	0
6/20/2014 17:15	68867	15	171	5.704	120.1	14.79	8.32	116.6	10	10.55	113.6	8.93	27.62	27.24	26.62	-0.378	-1.002	45.41	14.78	279.7	890	0
6/20/2014 17:30	68868	15	171	5.777	133.6	14.59	8.26	129.4	10.69	10.49	125.4	7.351	27.68	27.18	26.44	-0.503	-1.248	46.48	15.19	374.8	890	0
6/20/2014 17:45	68869	15	171	5.517	136.4	13.87	8.12	131.4	9.27	10.16	125.9	5.529	26.94	26.6	25.97	-0.341	-0.966	47.87	14.98	240	890	0
6/20/2014 18:00	68870	15	171	4.985	131	13.74	7.281	125.6	8.82	9.13	122.9	6.473	26.58	26.42	25.94	-0.164	-0.644	47.92	14.67	146.6	890	0
6/20/2014 18:15	68871	15	171	5.824	137.5	12.83	8.39	132.9	9.3	10.52	129.5	7.44	26.11	25.96	25.47	-0.146	-0.637	49.51	14.74	127	890	0
6/20/2014 18:30	68872	15	171	5.601	133.2	11.98	8.04	129.2	7.469	10.58	125.3	5.17	25.47	25.38	24.94	-0.087	-0.522	52.28	14.99	78.81	891	0
6/20/2014 18:45	68873	15	171	5.63	139.3	12.89	8.19	134.6	9.9	10.76	130.5	7.546	25.03	24.95	24.52	-0.078	-0.509	54.65	15.28	67.9	891	0
6/20/2014 19:00	68874	15	171	6.679	139.2	14.41	9.69	134.3	10.51	12.59	129.5	7.758	23.84	23.75	23.28	-0.09	-0.558	61.46	15.99	30.36	891	0
6/20/2014 19:15	68875	15	171	6.436	133.5	12.22	9.48	129	8.07	12.43	124.8	5.103	22.84	22.76	22.35	-0.083	-0.493	65.89	16.15	7.847	891	0
6/20/2014 19:30	68876	15	171	5.815	137.2	12.12	8.32	132.8	7.875	11.08	128.2	6.171	22.35	22.29	21.93	-0.056	-0.422	67.59	16.08	2.155	891	0
6/20/2014 19:45	68877	15	171	5.765	138	12.28	8.47	132.1	8.43	11	127.6	5.622	21.94	21.9	21.53	-0.037	-0.407	69.25	16.06	1.813	891	0
6/20/2014 20:00	68878	15	171	5.869	134.7	11.65	8.53	130.2	6.928	10.85	126.1	5.095	21.46	21.41	21.03	-0.045	-0.423	71.79	16.17	1.349	891	0
6/20/2014 20:15	68879	15	171	5.22	135	11.98	7.769	130.8	7.117	9.98	126	4.554	21.19	21.17	20.85	-0.019	-0.346	73.8	16.35	1.498	891	0
6/20/2014 20:30	68880	15	171	4.816	134.7	11.47	7.058	129.1	6.868	9.12	125	4.923	21.14	21.15	20.84	0.008	-0.295	73.3	16.19	1.506	891	0
6/20/2014 20:45	68881	15	171	4.249	129.2	12.09	6.262	125.2	7.024	8.33	121.3	4.756	21.04	21.07	20.8	0.035	-0.242	73.22	16.08	1.307	892	0
6/20/2014 21:00	68882	15	171	4.003	128.5	11.41	6.006	123.8	7.032	8.31	119.7	5.166	20.97	21.01	20.76	0.043	-0.21	73.99	16.18	1.289	892	0
6/20/2014 21:15	68883	15	171	3.843	124.8	11.35	5.822	120.7	6.956	8.22	117.4	4.744	20.94	20.99	20.77	0.056	-0.169	75.46	16.45	1.37	892	0
6/20/2014 21:30	68884	15	171	3.986	125.9	11.8	5.881	121.5	7.436	8.02	117.7	4.588	21.03	21.11	20.88	0.072	-0.151	75.61	16.58	1.286	892	0
6/20/2014 21:45	68885	15	171	3.856	130.3	11.67	5.628	126.1	7.215	7.672	121.5	5.192	21.13	21.22	21	0.09	-0.133	75.57	16.66	1.415	892	0
6/20/2014 22:00	68886	15	171	3.561	128.6	12.35	5.218	123	8.04	7.392	119.4	5.291	21.11	21.21	21	0.1	-0.109	74.49	16.42	1.28	892	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/20/2014 22:15	68887	15	171	3.506	128	12.58	5.148	122.5	7.962	7.475	118.9	5.199	21.04	21.14	20.95	0.104	-0.088	73.45	16.13	1.324	892	0
6/20/2014 22:30	68888	15	171	3.538	130.1	11.96	5.341	125.7	7.42	7.625	121.2	5.646	20.98	21.09	20.9	0.117	-0.071	74.63	16.32	1.32	892	0
6/20/2014 22:45	68889	15	171	3.547	134.1	13.36	5.356	128.3	8.81	7.937	125.7	6.008	21.09	21.21	21.04	0.116	-0.046	75.99	16.71	1.358	891	0
6/20/2014 23:00	68890	15	171	3.857	135.5	11.99	5.708	131	7.793	7.997	128.7	5.448	21.22	21.33	21.13	0.108	-0.087	77.08	17.06	1.449	891	0
6/20/2014 23:15	68891	15	171	3.346	142.4	12.27	5.163	137.2	6.923	7.2	133	5.546	21.17	21.31	21.14	0.137	-0.029	78.77	17.36	1.431	891	0
6/20/2014 23:30	68892	15	171	3.374	148.7	11.98	5.05	143.4	7.716	7.056	140	5.092	21.21	21.33	21.15	0.118	-0.06	79.51	17.54	1.306	891	0
6/20/2014 23:45	68893	15	171	2.393	153.1	11.78	3.801	146.8	7.523	5.908	141.8	4.563	21.03	21.19	21.06	0.163	0.03	80.5	17.56	1.127	891	0
6/21/2014 0:00	68894	15	172	1.929	153.8	12.85	3.007	147.8	8	4.856	140.5	5.069	20.89	21.09	20.98	0.205	0.093	81.8	17.68	0.992	891	0
6/21/2014 0:15	68895	15	172	1.637	155	11.39	2.701	147.7	7.028	4.511	139.8	5.408	20.75	21	20.93	0.251	0.184	82.9	17.76	0.965	891	0
6/21/2014 0:30	68896	15	172	1.684	150	12.71	2.964	144.2	7.384	4.893	139.7	4.627	20.7	21	20.98	0.298	0.276	83.1	17.74	0.995	891	0
6/21/2014 0:45	68897	15	172	2.075	148.4	11.37	3.461	143.6	6.829	5.373	140.5	4.783	20.68	20.99	20.98	0.309	0.293	82.2	17.55	1.092	891	0
6/21/2014 1:00	68898	15	172	2.687	140.3	12.26	4.18	136	7.514	6.415	132.7	4.507	20.64	20.88	20.86	0.244	0.219	82.3	17.53	1.259	891	0
6/21/2014 1:15	68899	15	172	3.375	138.4	11.59	5.164	134.6	7.104	7.428	132.7	4.469	20.68	20.84	20.71	0.162	0.03	81.9	17.5	1.443	890	0
6/21/2014 1:30	68900	15	172	2.689	149.2	12.62	4.067	143.9	8.12	6.217	139.2	5.387	20.48	20.67	20.54	0.194	0.064	82.5	17.41	1.179	890	0
6/21/2014 1:45	68901	15	172	2.259	151.2	12.22	3.676	146.4	8.07	5.8	141.7	5.359	20.24	20.49	20.43	0.249	0.194	83.9	17.44	1.061	890	0
6/21/2014 2:00	68902	15	172	2.514	153.7	12.56	3.874	148.4	8.56	5.776	144	5.53	20.31	20.53	20.45	0.219	0.135	83.7	17.48	1.185	890	0
6/21/2014 2:15	68903	15	172	2.71	150.2	12.64	4.233	145.4	8.91	6.242	142.4	6.032	20.48	20.6	20.44	0.116	-0.043	82.6	17.44	1.156	890	0
6/21/2014 2:30	68904	15	172	3.325	155	11.85	5.046	150.6	7.602	6.931	147.6	4.454	20.56	20.67	20.41	0.111	-0.147	80.5	17.11	1.179	890	0
6/21/2014 2:45	68905	15	172	2.391	146.7	11.73	3.774	142	8.29	5.499	138.8	5.725	20.25	20.39	20.21	0.143	-0.038	82.7	17.23	1.085	890	0
6/21/2014 3:00	68906	15	172	2.613	139.6	12.57	4.031	134.5	9.11	5.935	131.4	5.817	20.2	20.37	20.2	0.174	0.001	83.1	17.24	1.086	890	0
6/21/2014 3:15	68907	15	172	2.719	143.6	13.28	4.176	137.3	8.21	6.134	134.2	5.459	20.14	20.33	20.16	0.187	0.019	83	17.18	1.258	890	0
6/21/2014 3:30	68908	15	172	2.428	145.4	12.61	3.894	140.5	7.91	5.872	137	5.823	20	20.22	20.09	0.215	0.082	84.1	17.25	1.126	890	0
6/21/2014 3:45	68909	15	172	2.615	140.5	12.29	3.925	134.7	8.07	6.024	130.4	4.973	19.99	20.18	20.09	0.191	0.099	84.8	17.37	1.139	890	0
6/21/2014 4:00	68910	15	172	2.246	147.8	13.29	3.411	142.3	8.79	5.192	135.8	5.615	20.15	20.29	20.13	0.133	-0.023	84.5	17.48	1.082	890	0
6/21/2014 4:15	68911	15	172	2.226	155.4	13.21	3.43	148.6	9.45	4.879	142.4	5.844	20.38	20.44	20.19	0.058	-0.195	84.1	17.62	1.014	890	0
6/21/2014 4:30	68912	15	172	2.221	141	12.59	3.293	136.4	8.25	4.42	133	6.784	20.55	20.55	20.24	0	-0.307	83.7	17.72	0.872	890	0
6/21/2014 4:45	68913	15	172	2.447	143.3	11.33	3.676	138	6.732	4.895	133.7	4.673	20.62	20.62	20.29	-0.006	-0.335	83.2	17.69	1.295	890	0
6/21/2014 5:00	68914	15	172	2.424	132.4	12.82	3.485	128.4	9.33	4.551	124.2	7.817	20.62	20.61	20.28	-0.013	-0.344	83.3	17.71	4.812	890	0
6/21/2014 5:15	68915	15	172	2.724	135.4	15.27	4.006	130.5	11.19	5.101	128.3	7.77	20.57	20.54	20.18	-0.028	-0.386	83.2	17.63	19.5	890	0
6/21/2014 5:30	68916	15	172	2.785	130.7	12.22	4.011	126.8	7.552	5.273	124.3	4.193	20.39	20.31	19.93	-0.073	-0.453	83.7	17.54	41.78	890	0
6/21/2014 5:45	68917	15	172	2.523	132.9	12.3	3.836	129.5	8.06	4.994	126.9	4.795	20.43	20.33	19.94	-0.102	-0.484	83.6	17.57	81.3	890	0
6/21/2014 6:00	68918	15	172	2.885	143	13	4.145	136	8.04	5.168	132.4	4.389	20.5	20.34	19.91	-0.156	-0.588	82.9	17.51	97.5	890	0
6/21/2014 6:15	68919	15	172	2.356	146.7	14.38	3.543	139.5	10.19	4.383	132.9	7.938	20.53	20.35	19.9	-0.181	-0.625	83.4	17.63	120.8	891	0
6/21/2014 6:30	68920	15	172	2.914	141.1	14.03	4.033	135	9.37	4.966	129.5	7.23	20.66	20.4	19.89	-0.266	-0.77	82.4	17.58	115.1	891	0
6/21/2014 6:45	68921	15	172	2.972	127	13.39	4.22	122.6	8.82	4.992	119.9	5.96	20.78	20.42	19.88	-0.366	-0.905	81.8	17.57	151.8	891	0
6/21/2014 7:00	68922	15	172	3.06	132.5	13.38	4.227	127	9.32	5.205	124.7	7.02	20.96	20.52	19.92	-0.443	-1.043	80.6	17.53	190.9	891	0
6/21/2014 7:15	68923	15	172	2.697	154.4	13.08	3.721	148.4	8.13	4.359	140.2	6.375	21.12	20.64	20.06	-0.485	-1.062	79.53	17.46	192.8	891	0
6/21/2014 7:30	68924	15	172	2.457	150.2	14.41	3.311	143.1	10.53	3.894	140.5	8.49	21.18	20.75	20.26	-0.423	-0.917	78.84	17.37	158.2	891	0
6/21/2014 7:45	68925	15	172	2.369	151.8	14.27	3.319	146.1	10.34	3.953	140.1	8.81	21.44	20.98	20.45	-0.465	-0.989	77.37	17.33	184.8	891	0
6/21/2014 8:00	68926	15	172	2.535	148.4	17.02	3.4	144.6	13.06	3.908	140.5	10.22	21.68	21.22	20.69	-0.459	-0.986	75.2	17.11	209.3	891	0
6/21/2014 8:15	68927	15	172	2.197	139.3	18.14	2.86	134.7	14.47	3.579	133.3	12.14	22.09	21.59	21.06	-0.493	-1.025	73.34	17.11	302.8	891	0
6/21/2014 8:30	68928	15	172	2.796	124.2	18.31	3.818	121.1	14.12	4.459	117.8	10.84	22.61	21.89	21.26	-0.714	-1.348	70.64	17.02	436.2	891	0
6/21/2014 8:45	68929	15	172	2.91	126.7	17.64	4.004	122.4	12.21	4.716	119.7	8.92	22.73	21.96	21.31	-0.767	-1.42	69.4	16.86	424.2	891	0
6/21/2014 9:00	68930	15	172	2.783	108.6	17.69	3.634	104.5	12.3	4.213	103.2	10.18	22.81	22.08	21.48	-0.733	-1.327	68.53	16.73	387.8	891	0
6/21/2014 9:15	68931	15	172	2.92	114.4	16.52	3.773	110.7	11.37	4.372	110.1	9.09	22.96	22.25	21.59	-0.711	-1.377	66.87	16.5	397.8	891	0
6/21/2014 9:30	68932	15	172	3.134	126.9	19.56	4.277	121.6	14.56	4.992	118.6	11.56	23.37	22.51	21.83	-0.854	-1.541	65.47	16.55	531.5	891	0
6/21/2014 9:45	68933	15	172	3.812	127.4	14.49	5.22	123.1	10.32	6.229	118.2	6.711	23.34	22.3	21.46	-1.04	-1.88	68.18	17.15	577.6	891	0
6/21/2014 10:00	68934	15	172	3.815	120	15.16	5.084	115.6	11.67	5.776	109.4	7.861	23.64	22.34	21.51	-1.307	-2.127	67.14	17.2	885	891	0
6/21/2014 10:15	68935	15	172	3.117	111.3	24.69	4.014	108.6	17.82	4.823	105.9	13.51	24.29	22.93	22.07	-1.353	-2.221	64.55	17.2	1059	891	0
6/21/2014 10:30	68936	15	172	3.065	103.7	20.8	3.914	100.3	15.14	4.758	98.2	9.58	24.62	23.28	22.46	-1.337	-2.164	61.55	16.75	1148	890	0
6/21/2014 10:45	68937	15	172	2.808	107.1	25.68	3.486	104.8	20.82	4.148	100.5	18.7	24.99	23.73	22.81	-1.26	-2.172	59.41	16.54	1219	890	0
6/21/2014 11:00	68938	15	172	3.188	121.5	29.75	4.163	116.3	24.57	4.825	114	18.6	25.42	24.07	23.26	-1.359	-2.16	58.69	16.76	1011	890	0
6/21/2014 11:15	68939	15	172	3.089	112.9	26.69	4.025	111.5	22.84	4.677	105.1	17.81	25.57	24.39	23.63	-1.18	-1.939	58.06	16.73	1148	890	0
6/21/2014 11:30	68940	15	172	3.251	117.6	23.08	4.209	112.2	18.97	4.796	106.4	15.89	26.4	25.04	24.25	-1.357	-2.153	55.25	16.72	1229	889	0
6/21/2014 11:45	68941	15	172	3.336	130.4	20.68	4.599	124.2	15.24	5.535	115.5	13.39	27.34	25.73	24.79	-1.611	-2.548	53.59	17.11	1227	889	0
6/21/2014 12:00	68942	15	172	2.969	115.5	22.18	3.851	112.4	18.28	4.52	116	12.03	27.26	25.8	24.99	-1.463	-2.275	52.68	16.77	1270	889	0
6/21/2014 12:15	68943	15	172	2.77	131.5	26.12	3.523	125.7	18.38	4.072	119.9	19.62	27.66	26.22	25.39	-1.443	-2.269	51.68	16.84	1268	889	0
6/21/2014 12:30	68944	15	172	2.859	148.1	24.47	3.784	139.9	18.08	4.602	132.5	16.48	28.15	26.8	25.95	-1.351	-2.2	50.61	16.95	1264	889	0
6/21/2014 12:45	68945	15	172	3.113	139.2	25.32	4.095	133.3	17.04	4.808	127.8	17.26	28.47	26.99	26.12	-1.474	-2.349	49.57	16.92	1275	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/21/2014 13:00	68946	15	172	3.165	108.4	22.63	4.124	105.6	18.43	5.213	102.4	13.23	28.77	27.42	26.5	-1.357	-2.268	48.14	16.74	1212	888	0
6/21/2014 13:15	68947	15	172	3.237	114	24.52	4.385	108.4	19.94	5.121	107	15.18	29.2	27.7	26.89	-1.503	-2.314	45.76	16.33	1161	888	0
6/21/2014 13:30	68948	15	172	2.803	127.9	43.54	3.445	122.6	38.44	4.159	117	29.96	29.21	28.12	27.28	-1.097	-1.937	45.32	16.19	1104	888	0
6/21/2014 13:45	68949	15	172	3.039	123.2	23.2	3.923	115.5	20.5	4.544	106.9	17.14	29.84	28.67	27.77	-1.17	-2.069	43.26	16.02	1152	887	0
6/21/2014 14:00	68950	15	172	2.959	115.3	25.22	3.929	112.5	19.45	4.641	109.7	16.34	30.05	28.8	28.05	-1.253	-1.995	42.28	15.85	1079	887	0
6/21/2014 14:15	68951	15	172	3.591	104.3	22.26	4.773	103	19.18	5.51	104.7	18.12	30.65	29.36	28.51	-1.285	-2.137	40.31	15.64	988	887	0
6/21/2014 14:30	68952	15	172	3.24	93.2	20.14	4.163	92.6	17.57	4.677	94.6	13.9	30.45	29.37	28.64	-1.073	-1.809	39.43	15.12	869	887	0
6/21/2014 14:45	68953	15	172	3.158	114.8	24.3	4.277	112	22.22	5.129	112	18.15	30.78	29.76	29.06	-1.013	-1.717	38.33	14.97	834	887	0
6/21/2014 15:00	68954	15	172	2.829	143.2	32.72	3.658	138.4	28.86	4.289	134.4	18.4	31.02	29.93	29.19	-1.093	-1.833	37.5	14.85	993	887	0
6/21/2014 15:15	68955	15	172	3.051	131.9	24.82	4.021	127.4	21.64	4.782	125.7	19.58	31.21	30.22	29.44	-0.996	-1.773	36.66	14.67	817	886	0
6/21/2014 15:30	68956	15	172	3.238	139.3	29.06	4.407	134	24.79	5.147	127.8	20.54	31.33	30.3	29.46	-1.024	-1.865	36.11	14.54	840	886	0
6/21/2014 15:45	68957	15	172	3.458	130.9	22.56	4.735	125.8	19.69	5.528	120.4	16.71	31.11	30.22	29.53	-0.898	-1.584	36.15	14.37	674.3	886	0
6/21/2014 16:00	68958	15	172	3.119	127	21.35	4.135	124.2	17.21	4.705	120.3	16.77	30.99	30.27	29.62	-0.721	-1.373	36.07	14.23	588.2	886	0
6/21/2014 16:15	68959	15	172	3.103	132.8	15.15	4.269	129.7	10.98	5.256	124.9	11.28	30.7	30.16	29.5	-0.543	-1.202	37.3	14.48	410.4	886	0
6/21/2014 16:30	68960	15	172	3.156	137.4	17.58	4.537	133.2	13.17	5.486	128.2	13.55	30.38	30.02	29.46	-0.356	-0.915	38.16	14.55	324.5	886	0
6/21/2014 16:45	68961	15	172	3.163	127.6	19.09	4.563	123.3	15.47	5.604	119.8	12.92	30.15	29.95	29.44	-0.2	-0.703	38.2	14.37	238	886	0
6/21/2014 17:00	68962	15	172	3.006	130.6	13.57	4.292	127.3	10.21	5.241	126.7	10.14	30.01	29.9	29.45	-0.101	-0.555	38.79	14.48	198.3	886	0
6/21/2014 17:15	68963	15	172	2.675	140.1	13.97	3.93	135.4	10.44	4.893	131.2	8.06	29.89	29.88	29.45	-0.014	-0.443	39.01	14.47	179.8	886	0
6/21/2014 17:30	68964	15	172	2.872	146.6	15.66	4.259	141.9	12.23	5.228	139.4	8.94	29.72	29.78	29.37	0.057	-0.356	39.56	14.53	155.6	886	0
6/21/2014 17:45	68965	15	172	2.54	149.9	19.08	3.744	144.6	15.6	4.758	141.2	12.55	29.59	29.68	29.3	0.083	-0.292	40.27	14.69	141.5	886	0
6/21/2014 18:00	68966	15	172	2.181	154.7	12.36	3.206	147.9	7.778	4.083	144.2	6.332	29.64	29.74	29.36	0.096	-0.281	39.99	14.62	157.8	886	0
6/21/2014 18:15	68967	15	172	3.101	146	13.08	4.597	142.3	9.26	5.832	138.5	5.701	29.63	29.62	29.18	-0.015	-0.458	40.63	14.86	168.3	886	0
6/21/2014 18:30	68968	15	172	3.344	149.8	13.65	5.033	143.4	9.76	6.23	141.6	7.929	29.41	29.45	29.03	0.044	-0.376	41.35	14.93	137.9	886	0
6/21/2014 18:45	68969	15	172	3.323	153	11.42	4.965	146.9	7.49	6.626	143.6	4.901	29.01	29.18	28.85	0.163	-0.157	42.06	14.84	88.5	886	0
6/21/2014 19:00	68970	15	172	3.475	148.6	12.23	5.163	144.9	8.21	6.854	142	5.638	28.63	28.88	28.63	0.251	0.001	42.68	14.73	42.45	886	0
6/21/2014 19:15	68971	15	172	2.95	143.8	12.78	4.612	139.3	8.27	6.923	137.2	4.89	28.16	28.49	28.42	0.334	0.26	44.06	14.8	19.27	886	0
6/21/2014 19:30	68972	15	172	2.877	142.7	11.26	4.655	137.6	6.716	7.16	134	3.096	27.63	28.06	28.12	0.431	0.494	45.7	14.88	2.45	886	0
6/21/2014 19:45	68973	15	172	2.59	134.6	10.49	4.184	131.3	6.391	6.918	130.7	2.796	27.15	27.64	27.9	0.491	0.75	47.22	14.96	1.18	886	0
6/21/2014 20:00	68974	15	172	2.531	133.3	10.29	4.126	129.8	5.829	6.854	128.3	3.071	26.69	27.24	27.58	0.553	0.898	49.01	15.11	1.216	887	0
6/21/2014 20:15	68975	15	172	2.261	127.6	11.5	3.834	125.1	6.541	6.963	125.5	2.529	26.2	26.75	27.22	0.549	1.013	50.76	15.21	1.233	887	0
6/21/2014 20:30	68976	15	172	2.405	122.3	11.96	4.135	120.7	5.916	6.97	121.5	4.137	25.84	26.4	26.79	0.558	0.954	52.6	15.43	1.047	887	0
6/21/2014 20:45	68977	15	172	3.511	138.8	13.84	5.288	135	10.1	7.831	132.9	6.748	25.83	26.13	26.11	0.298	0.283	54.86	16.08	1.405	887	0
6/21/2014 21:00	68978	15	172	4.077	143.1	12.34	6.128	138.3	7.822	8.57	134.6	5.211	25.63	25.87	25.72	0.238	0.089	57.17	16.54	1.309	888	0
6/21/2014 21:15	68979	15	172	3.919	136.3	11.57	5.867	132.5	7.328	8.12	130.7	4.946	25.16	25.38	25.24	0.214	0.077	60.16	16.91	1.365	888	0
6/21/2014 21:30	68980	15	172	3.592	136.8	12.42	5.537	131.1	7.278	7.894	127.8	4.588	24.79	24.99	24.83	0.201	0.04	63.03	17.3	1.321	888	0
6/21/2014 21:45	68981	15	172	3.914	135	11.21	5.765	130.1	7.477	7.9	127.2	4.859	24.47	24.64	24.47	0.169	-0.002	64.59	17.38	1.347	888	0
6/21/2014 22:00	68982	15	172	3.806	139	11.7	5.861	133.2	6.892	7.937	128.8	4.617	24.15	24.32	24.13	0.17	-0.019	65.77	17.37	1.553	888	0
6/21/2014 22:15	68983	15	172	3.83	135.8	10.85	5.667	129.8	7.101	8.19	126.9	3.962	23.86	24.03	23.87	0.161	0.005	67.55	17.51	1.353	888	0
6/21/2014 22:30	68984	15	172	3.82	143.7	12.08	5.696	138.3	7.691	8.01	134.2	4.937	23.59	23.75	23.56	0.152	-0.032	69.66	17.74	1.332	888	0
6/21/2014 22:45	68985	15	172	4.401	147.5	11.94	6.571	141.8	7.207	9.05	137.5	5.021	23.41	23.53	23.29	0.116	-0.121	71.9	18.07	1.478	888	0
6/21/2014 23:00	68986	15	172	4.3	142.9	11.94	6.481	137.4	7.411	9.02	133.6	4.883	23.1	23.22	22.98	0.118	-0.123	73.5	18.12	1.505	888	0
6/21/2014 23:15	68987	15	172	4.039	140	12.31	5.999	135.2	7.809	8.29	131	4.945	22.77	22.89	22.67	0.118	-0.102	75.22	18.17	1.381	888	0
6/21/2014 23:30	68988	15	172	4.186	137.6	11.94	5.985	133.2	8.13	8.42	129	5.282	22.5	22.59	22.35	0.091	-0.149	76.58	18.2	1.435	888	0
6/21/2014 23:45	68989	15	172	3.905	140.6	12.35	5.93	134.8	7.861	8.05	130.2	5.611	22.17	22.27	22.02	0.103	-0.152	78.8	18.33	1.394	888	0
6/22/2014 0:00	68990	15	173	4.239	134.4	11.92	6.195	129.7	7.255	8.3	126.3	4.807	21.82	21.88	21.6	0.067	-0.213	80.7	18.37	1.48	887	0
6/22/2014 0:15	68991	15	173	3.963	131.8	11.58	5.853	128.4	6.737	8.09	125.2	4.623	21.48	21.55	21.29	0.065	-0.198	82.3	18.35	1.464	887	0
6/22/2014 0:30	68992	15	173	4.213	138.9	12.5	6.217	133.3	7.825	8.28	128.4	5.429	21.27	21.33	21.05	0.058	-0.225	83.8	18.44	1.489	887	0
6/22/2014 0:45	68993	15	173	3.321	139.1	10.99	4.921	133.9	8.25	7.094	128.7	5.113	20.99	21.07	20.81	0.076	-0.181	85.5	18.48	1.087	887	0
6/22/2014 1:00	68994	15	173	3.182	144.1	11.98	4.966	138.1	7.785	7.137	133.2	5.632	20.81	20.9	20.66	0.091	-0.152	86.7	18.53	1.342	887	0
6/22/2014 1:15	68995	15	173	2.926	143.7	12.23	4.372	138	7.763	6.328	133.4	5.458	20.64	20.73	20.51	0.085	-0.135	87.8	18.57	1.038	887	0
6/22/2014 1:30	68996	15	173	2.982	142.8	13.33	4.606	137.3	9.27	6.687	132.3	4.829	20.51	20.61	20.41	0.1	-0.094	88.6	18.57	1.189	887	0
6/22/2014 1:45	68997	15	173	2.248	180.6	18.31	3.374	170.9	17.61	4.961	158.4	13.89	20.29	20.42	20.19	0.137	-0.096	89.7	18.56	0.92	887	0
6/22/2014 2:00	68998	15	173	1.789	188.5	14.75	2.726	180.1	12.5	4.337	169.9	8.68	20.09	20.24	20.04	0.148	-0.049	90.8	18.55	1.029	887	0
6/22/2014 2:15	68999	15	173	1.287	190.4	17.38	1.985	189.4	13.93	2.945	176.7	11.84	20	20.18	19.95	0.185	-0.048	91.3	18.55	0.747	887	0
6/22/2014 2:30	69000	15	173	1.397	182.6	13.46	2.385	182	9.7	3.601	176.6	9.14	19.76	20.02	19.85	0.255	0.087	92.5	18.52	0.796	887	0
6/22/2014 2:45	69001	15	173	1.742	174.9	10.01	2.744	170.7	6.259	4.137	164.1	4.26	19.67	19.88	19.73	0.211	0.064	93.4	18.59	0.904	887	0
6/22/2014 3:00	69002	15	173	1.687	179	13.75	2.664	172.7	9.37	4.07	163.1	6.172	19.68	19.83	19.64	0.15	-0.04	93.7	18.66	0.925	887	0
6/22/2014 3:15	69003	15	173	1.656	164.4	11.88	2.505	159.6	10.05	3.94	155.5	7.67	19.69	19.76	19.55	0.072	-0.139	94.1	18.74	0.933	887	0
6/22/2014 3:30	69004	15	173	1.793	140	12.75	2.888	135.7	8.61	4.134	133.8	7.278	19.72	19.77	19.49	0.047	-0.227	94.2	18.78	0.917	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/22/2014 3:45	69005	15	173	1.845	137.1	14.04	2.971	129.8	8.52	4.854	125.2	3.706	19.56	19.66	19.47	0.096	-0.094	94.6	18.68	1.036	887	0
6/22/2014 4:00	69006	15	173	1.579	150.7	16.61	2.409	140.6	12.16	4.322	129.1	6.395	19.48	19.56	19.36	0.079	-0.115	95.1	18.69	0.96	887	0
6/22/2014 4:15	69007	15	173	1.396	145.2	14.49	2.255	138.1	10.53	4.064	128.9	4.789	19.38	19.48	19.29	0.095	-0.098	95.5	18.66	1.005	887	0
6/22/2014 4:30	69008	15	173	1.719	123.4	13.5	2.846	118.5	8.78	4.903	115	5.211	19.38	19.47	19.35	0.092	-0.03	95.9	18.72	0.877	887	0
6/22/2014 4:45	69009	15	173	2.644	116.5	11.46	4.129	112.1	6.909	6.098	112.6	4.268	19.56	19.62	19.53	0.068	-0.03	95.5	18.84	2.289	887	0
6/22/2014 5:00	69010	15	173	2.709	127.3	13.43	4.126	122.5	9.03	6.266	119.9	5.425	19.48	19.51	19.34	0.032	-0.133	95.6	18.76	9.05	887	0
6/22/2014 5:15	69011	15	173	2.56	129.7	14.36	3.904	124.3	8	5.927	121.8	4.45	19.53	19.52	19.29	-0.013	-0.238	95.7	18.84	28.86	887	0
6/22/2014 5:30	69012	15	173	2.644	113.8	12.6	3.887	111.1	8.29	5.389	111.4	6	19.71	19.6	19.33	-0.104	-0.379	95.1	18.92	73.77	887	0
6/22/2014 5:45	69013	15	173	2.374	120.4	13.95	3.536	115.9	8.67	4.857	111.5	6.011	19.96	19.72	19.33	-0.242	-0.632	94.4	19.06	141.2	887	0
6/22/2014 6:00	69014	15	173	2.539	117.5	13.42	3.698	111.8	9.42	4.938	109.9	5.958	20.4	20.04	19.57	-0.361	-0.833	92.5	19.17	197.8	887	0
6/22/2014 6:15	69015	15	173	2.766	117.4	13.69	3.953	112.3	7.836	4.895	109.1	5.961	20.71	20.32	19.82	-0.39	-0.895	90.4	19.09	203.3	887	0
6/22/2014 6:30	69016	15	173	2.555	120	17.95	3.541	116.1	12.67	4.231	115.4	8.42	21.23	20.73	20.18	-0.498	-1.053	88	19.17	262.3	888	0
6/22/2014 6:45	69017	15	173	2.593	127.7	14.49	3.585	122.5	9.06	4.071	123.9	7.801	21.84	21.24	20.65	-0.597	-1.185	85	19.23	299.8	888	0
6/22/2014 7:00	69018	15	173	2.687	132.5	15.01	3.614	128.9	9.99	4.104	124.9	6.999	22.22	21.6	21.06	-0.622	-1.166	82.6	19.13	358.9	887	0
6/22/2014 7:15	69019	15	173	2.305	135.9	18.13	3.194	132.2	15.18	3.815	130.6	10.21	23.1	22.34	21.64	-0.761	-1.461	79.05	19.29	433.9	887	0
6/22/2014 7:30	69020	15	173	2.837	147.9	17.22	3.798	142.4	13.83	4.283	134.2	9.57	23.78	22.92	22.29	-0.858	-1.486	75.32	19.17	547.5	887	0
6/22/2014 7:45	69021	15	173	2.833	144.2	17.24	3.805	139.8	12.48	4.437	136.1	8.9	24.52	23.63	22.94	-0.893	-1.582	71.91	19.14	609.7	887	0
6/22/2014 8:00	69022	15	173	2.286	142.7	17.93	3.184	138.3	13.41	3.806	131.5	11.23	25.27	24.38	23.74	-0.891	-1.529	68.55	19.09	666.5	887	0
6/22/2014 8:15	69023	15	173	2.063	141.7	30.37	2.567	136.8	20.92	2.939	136.4	13.95	25.77	24.98	24.4	-0.796	-1.379	65.69	18.88	725.2	887	0
6/22/2014 8:30	69024	15	173	1.797	151.2	29.32	2.329	145.8	21.88	2.498	150.1	17.56	26.39	25.64	25.1	-0.75	-1.288	62.55	18.68	784.4	887	0
6/22/2014 8:45	69025	15	173	2.217	175.9	25.42	2.788	168.6	21.53	3.185	157	15.3	27.34	26.54	25.9	-0.795	-1.436	59.47	18.76	837	887	0
6/22/2014 9:00	69026	15	173	2.647	173.3	19.1	3.466	168	15.21	4.189	164.7	13.41	28.53	27.58	26.84	-0.949	-1.686	53.13	18.07	892	887	0
6/22/2014 9:15	69027	15	173	2.61	208	34.23	3.267	204	35.12	3.69	200.1	30.65	29.05	28.26	27.52	-0.783	-1.524	47.93	16.91	941	887	0
6/22/2014 9:30	69028	15	173	2.729	240.2	22.17	3.451	235.8	19.57	3.947	230.7	15.75	29.43	28.58	27.85	-0.854	-1.583	46.36	16.75	983	887	0
6/22/2014 9:45	69029	15	173	2.567	215.3	30.07	3.28	207.3	27.01	3.75	201.3	24.2	29.68	28.81	28.14	-0.874	-1.541	45.36	16.63	1030	887	0
6/22/2014 10:00	69030	15	173	2.362	195.8	35.38	3.022	187.8	30.91	3.854	183.6	21.9	30.41	29.42	28.64	-0.981	-1.765	42.84	16.38	1070	887	0
6/22/2014 10:15	69031	15	173	2.506	159.3	39.27	3.082	162.6	32.1	3.578	171.3	25.7	30.79	29.82	29	-0.974	-1.788	41.71	16.3	1107	887	0
6/22/2014 10:30	69032	15	173	2.554	163.5	45.89	3.099	162.4	41.13	3.447	160.9	33.89	31.07	30.01	29.24	-1.057	-1.83	39.62	15.75	1138	886	0
6/22/2014 10:45	69033	15	173	1.635	166.4	62.94	2.065	156.8	54.96	2.236	168.2	37.75	31.38	30.64	29.88	-0.741	-1.506	37.51	15.18	1168	886	0
6/22/2014 11:00	69034	15	173	2.382	193.3	28.85	2.913	185.2	22.73	3.396	181.1	19.11	31.88	30.9	30.14	-0.975	-1.732	36.12	15.02	1190	886	0
6/22/2014 11:15	69035	15	173	1.92	161	45.8	2.507	160.2	35.68	3.015	158.3	24.24	32.69	31.76	30.79	-0.93	-1.901	34.63	15.08	1210	886	0
6/22/2014 11:30	69036	15	173	1.921	157.5	40.83	2.282	154.6	42.9	2.723	159.1	51.09	32.8	31.82	31.04	-0.978	-1.757	33.96	14.87	1225	886	0
6/22/2014 11:45	69037	15	173	2.195	203	49.07	2.649	202.2	45.14	2.991	188.5	37.41	32.96	32.13	31.41	-0.826	-1.554	32.49	14.32	1233	886	0
6/22/2014 12:00	69038	15	173	1.26	4.005	87.5	1.502	342.5	82.7	1.627	340.2	91.5	33.28	32.62	31.86	-0.668	-1.42	30.53	13.65	1235	886	0
6/22/2014 12:15	69039	15	173	1.669	244.5	40.24	2.157	237	31.27	2.435	232.5	32.83	33.9	33.11	32.47	-0.787	-1.431	30.11	13.96	1236	885	0
6/22/2014 12:30	69040	15	173	1.913	258.6	36.04	2.404	254.2	35.04	2.7	241.3	23.96	33.93	33.19	32.5	-0.733	-1.423	29.05	13.43	1225	885	0
6/22/2014 12:45	69041	15	173	1.932	215.2	51.25	2.315	221.3	53.08	2.705	219.9	38.55	34.14	33.49	32.79	-0.654	-1.351	28.52	13.33	1221	885	0
6/22/2014 13:00	69042	15	173	1.828	147.6	65.54	2.152	150.6	64.8	2.299	163.6	66.42	34.31	33.53	32.91	-0.781	-1.398	27.47	12.91	1101	885	0
6/22/2014 13:15	69043	15	173	0.796	293.9	91.5	0.719	311.8	81	0.837	278.4	78.27	33.79	33.62	33.1	-0.167	-0.688	27.35	12.39	584.9	885	0
6/22/2014 13:30	69044	15	173	1.774	171.5	36.46	2.338	165	29.07	2.745	148	16.46	33.77	33.62	33.21	-0.145	-0.559	27.35	12.38	392.5	885	0
6/22/2014 13:45	69045	15	173	2.119	140.4	26.95	2.967	134.9	23.22	3.319	135.3	20.32	34.25	33.86	33.31	-0.394	-0.944	27.27	12.75	585.7	884	0
6/22/2014 14:00	69046	15	173	2.233	175.9	39.76	2.876	169.6	33.81	3.474	161	24.07	34.7	34.28	33.58	-0.421	-1.126	26.07	12.44	799.2	885	0
6/22/2014 14:15	69047	15	173	2.106	198.4	26.67	2.706	194.8	19.63	3.177	196.3	15.25	34.64	34.26	33.62	-0.382	-1.016	25.93	12.3	788.8	885	0
6/22/2014 14:30	69048	15	173	2.284	179.1	30.26	2.888	173.9	26.99	3.465	170.4	22.87	34.95	34.41	33.74	-0.538	-1.211	25.79	12.48	935	884	0
6/22/2014 14:45	69049	15	173	2.354	202.3	38.25	2.932	195.6	27.29	3.401	191.3	19.22	35.21	34.57	33.83	-0.641	-1.388	24.57	11.97	1079	884	0
6/22/2014 15:00	69050	15	173	2.218	166.5	78.73	2.654	148.2	65.25	3.117	160.4	44.38	35.48	34.73	34.06	-0.748	-1.416	24.02	11.84	1035	884	0
6/22/2014 15:15	69051	15	173	2.307	241.7	36.58	3.153	237.1	33.42	3.651	234.8	25.59	35.17	34.65	34.03	-0.519	-1.131	24.03	11.59	570.4	884	0
6/22/2014 15:30	69052	15	173	1.319	345.6	86.1	1.492	327.9	76.02	1.898	242.2	77	34.72	34.57	34.14	-0.143	-0.574	23.9	11.13	264.6	884	0
6/22/2014 15:45	69053	15	173	1.189	154.2	24.64	1.668	148.5	20.15	2.15	151.4	16.03	34.28	34.51	34.12	0.225	-0.161	25.38	11.67	228	884	0
6/22/2014 16:00	69054	15	173	1.389	179.7	20.86	2.012	175.8	19.12	2.623	173.5	14.46	34.22	34.54	34.16	0.324	-0.059	25.59	11.75	256.3	884	0
6/22/2014 16:15	69055	15	173	1.525	186.4	27.52	1.915	184.8	22.24	2.223	174.3	19.04	35.01	34.89	34.4	-0.123	-0.61	24.18	11.54	729.1	884	0
6/22/2014 16:30	69056	15	173	1.54	170.8	51.39	2.043	167.1	38.13	2.361	157.6	28.94	35.25	35.06	34.59	-0.199	-0.662	22.72	10.82	608.1	883	0
6/22/2014 16:45	69057	15	173	1.809	199.8	40.99	2.369	193.9	36.53	2.85	190.9	32.32	35.4	35.19	34.63	-0.211	-0.763	23.09	11.17	586.4	883	0
6/22/2014 17:00	69058	15	173	1.954	207.7	40.85	2.619	202.9	40.92	3.016	194	33.38	35.49	35.42	34.83	-0.072	-0.666	21.37	10.1	483.9	883	0
6/22/2014 17:15	69059	15	173	2.174	201.6	18.6	2.935	198	15.43	3.484	195.2	14.28	34.85	35.25	34.86	0.398	0.007	21.58	9.71	239.5	883	0
6/22/2014 17:30	69060	15	173	1.782	239.1	17.39	2.508	235.3	15.06	2.983	232.2	11.1	34.98	35.27	34.87	0.287	-0.108	20.52	9.07	315.8	883	0
6/22/2014 17:45	69061	15	173	1.638	248.2	19.11	2.372	241.6	16.44	2.719	232.4	15.36	35.1	35.29	34.87	0.19	-0.226	20.06	8.83	264.5	883	0
6/22/2014 18:00	69062	15	173	1.768	195.2	18.33	2.91	189.6	14.37	3.769	185.1	11.48	34.01	34.98	34.85	0.972	0.837	22.68	9.75	173.1	883	0
6/22/2014 18:15	69063	15	173	1.647	175.2	16.51	2.657	175.4	16.01	3.552	173.5	13.31	34.11	34.97	34.84	0.859	0.73	22.84	9.95	170	883	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/22/2014 18:30	69064	15	173	1.521	168.8	11.44	2.692	169.1	7.893	4.113	170.4	4.921	33.57	34.73	34.8	1.161	1.234	24.22	10.37	123.8	883	0
6/22/2014 18:45	69065	15	173	1.057	144.8	16.79	2.271	152.8	11.39	3.633	161.1	3.563	32.92	34.38	34.77	1.456	1.845	26.81	11.34	66.05	883	0
6/22/2014 19:00	69066	15	173	1.096	133.6	7.195	2.369	147.2	5.093	3.74	149.7	10.2	32.14	34.26	34.72	2.115	2.584	30.42	12.61	18.18	883	0
6/22/2014 19:15	69067	15	173	1.613	136.9	12.06	3.47	134.7	9.48	5.814	139.8	6.073	30.95	33.14	34.49	2.187	3.532	31.83	12.26	3.279	884	0
6/22/2014 19:30	69068	15	173	5.356	149	12.13	8.31	143.4	8	11.47	140.9	6.028	31.45	32.13	32.17	0.68	0.725	36.1	14.5	1.804	884	0
6/22/2014 19:45	69069	15	173	5.137	148.6	12.3	7.847	143.3	7.495	11.35	140.6	4.568	30.47	30.9	31.15	0.425	0.681	42.76	16.41	1.892	884	0
6/22/2014 20:00	69070	15	173	4.318	150.2	11.93	6.581	145.2	7.578	9.47	140.9	5.042	30.19	30.64	30.71	0.445	0.52	43.46	16.41	1.561	884	0
6/22/2014 20:15	69071	15	173	5.399	146.1	12.13	8.28	140.6	8.08	11.5	137.5	5.67	30.15	30.41	30.31	0.261	0.164	44.62	16.79	1.811	885	0
6/22/2014 20:30	69072	15	173	5.779	136.4	11.89	8.47	131.7	8.08	11.48	127.8	5.403	29.75	29.95	29.77	0.205	0.02	46.7	17.14	1.784	885	0
6/22/2014 20:45	69073	15	173	4.948	133.1	11.61	7.336	129.2	7.719	10.02	125	5.024	29.18	29.42	29.26	0.239	0.085	48.81	17.33	1.414	885	0
6/22/2014 21:00	69074	15	173	5.353	143.3	12.51	7.814	138.1	8.08	10.43	133.3	5.97	28.67	28.88	28.71	0.212	0.036	51.05	17.57	1.583	885	0
6/22/2014 21:15	69075	15	173	4.987	151.4	12.44	7.531	145.6	8.02	10.46	141.9	5.502	28.21	28.43	28.27	0.218	0.057	53.2	17.8	1.694	885	0
6/22/2014 21:30	69076	15	173	4.986	162.6	11.9	7.263	155.8	9.29	10.03	150.8	7.199	27.81	28.02	27.88	0.212	0.069	54.91	17.93	1.445	885	0
6/22/2014 21:45	69077	15	173	5.341	162.7	13.87	7.726	157.7	9.17	10.16	153.9	6.921	27.47	27.66	27.46	0.188	-0.012	56.9	18.19	1.702	885	0
6/22/2014 22:00	69078	15	173	4.99	161.7	11.46	7.234	156.3	7.85	9.65	150.6	5.92	27.05	27.24	27.04	0.191	-0.003	59.64	18.54	1.533	885	0
6/22/2014 22:15	69079	15	173	4.391	157.7	12.07	6.359	152.3	8.08	8.69	149.5	5.445	26.59	26.8	26.61	0.21	0.019	62.28	18.8	1.521	885	0
6/22/2014 22:30	69080	15	173	3.949	155.9	12.89	5.908	149.7	8.75	8.23	146.9	6.331	26.17	26.39	26.21	0.217	0.041	64.86	19.06	1.325	885	0
6/22/2014 22:45	69081	15	173	3.939	154.7	12.52	5.941	149.5	8.09	8.41	146.3	5.435	25.76	25.98	25.85	0.222	0.084	67.3	19.26	1.516	884	0
6/22/2014 23:00	69082	15	173	4.672	155.9	11.86	6.884	150	8.03	9.37	146.8	5.749	25.49	25.66	25.48	0.179	-0.01	69.23	19.45	1.496	884	0
6/22/2014 23:15	69083	15	173	4.102	158.8	12.31	6.089	153.3	8.42	8.51	150	5.372	25.11	25.32	25.14	0.201	0.03	71.12	19.53	1.452	884	0
6/22/2014 23:30	69084	15	173	3.384	159.6	11.49	5.059	154.3	7.585	7.062	151.3	4.815	24.76	24.97	24.83	0.211	0.079	73.1	19.63	1.324	885	0
6/22/2014 23:45	69085	15	173	2.86	161.3	11.52	4.387	154.4	7.671	6.554	151.8	5.161	24.46	24.65	24.57	0.194	0.116	74.72	19.69	1.184	885	0
6/23/2014 0:00	69086	15	174	3.189	161.5	13.25	4.832	155.9	8.37	7.091	153.9	4.939	24.41	24.55	24.4	0.134	-0.012	75.29	19.77	1.186	885	0
6/23/2014 0:15	69087	15	174	3.72	321.1	66.9	5.178	311.8	68.57	6.398	293.3	75.63	25.23	25.23	24.98	0.006	-0.244	72.31	19.89	1.182	886	0
6/23/2014 0:30	69088	15	174	2.509	8.54	34.06	3.715	2.269	32.08	4.694	354	31.95	25.49	25.63	25.41	0.139	-0.073	69.75	19.57	0.853	886	0
6/23/2014 0:45	69089	15	174	1.565	65.97	40.94	2.552	49.03	31.35	4.004	29.72	19.5	25.13	25.34	25.35	0.21	0.222	70.97	19.51	0.732	886	0
6/23/2014 1:00	69090	15	174	1.306	85	49.26	2.269	84.5	33.12	3.213	64.58	21.79	24.34	24.77	25.14	0.431	0.797	75.44	19.73	0.717	886	0
6/23/2014 1:15	69091	15	174	0.888	69.1	42.82	1.555	59.09	23.77	2.593	54.6	13.07	23.44	24.22	24.74	0.787	1.302	79.89	19.78	0.64	886	0
6/23/2014 1:30	69092	15	174	0.961	56.71	36.52	2.017	50.28	20.04	2.985	57.43	16.26	22.57	23.89	24.35	1.324	1.786	84	19.75	0.706	885	0
6/23/2014 1:45	69093	15	174	1.792	85.8	15.05	3.547	85.2	9.29	4.262	86.1	7.491	22.4	23.68	24.62	1.286	2.226	85.3	19.83	0.731	885	0
6/23/2014 2:00	69094	15	174	2.711	88.5	11.02	4.436	87.2	6.529	6.749	85.8	3.588	22.84	23.34	24.57	0.505	1.736	79.56	19.13	1.092	885	0
6/23/2014 2:15	69095	15	174	2.375	83.7	13.33	3.861	82.9	8.97	7.51	87.5	4.949	22.72	23.1	24.36	0.383	1.637	77.02	18.5	1.268	885	0
6/23/2014 2:30	69096	15	174	1.948	103	16.9	3.292	99.6	12.07	6.034	102.8	5.655	22.41	22.86	23.67	0.446	1.266	80.2	18.85	1.076	885	0
6/23/2014 2:45	69097	15	174	1.946	136.8	13.93	3.42	128	9.98	6.902	117.5	6.336	22.21	22.61	23.35	0.401	1.141	83.9	19.38	1.268	885	0
6/23/2014 3:00	69098	15	174	2.793	112.8	13.51	4.459	110	9.42	7.923	110.9	5.081	22.01	22.26	22.88	0.244	0.871	87	19.76	1.205	885	0
6/23/2014 3:15	69099	15	174	3.04	103.7	12.76	4.655	101.1	9.58	7.855	100.7	6.338	22.22	22.41	22.7	0.185	0.471	86.9	19.95	1.252	885	0
6/23/2014 3:30	69100	15	174	2.538	78.41	13.28	3.964	76.74	10.2	6.599	82.5	6.356	22.31	22.55	22.77	0.241	0.465	85.8	19.82	1.2	885	0
6/23/2014 3:45	69101	15	174	3.006	93.2	13.54	4.582	89.6	11.26	7.456	88.5	7.014	22.33	22.54	22.69	0.205	0.362	86	19.89	1.153	886	0
6/23/2014 4:00	69102	15	174	2.878	106.9	14.42	4.376	104.6	9.85	6.408	99.7	5.931	22.42	22.59	22.48	0.17	0.058	85.6	19.9	0.988	886	0
6/23/2014 4:15	69103	15	174	1.576	42.84	20.44	2.509	42.76	13.91	3.571	59	12.15	22.31	22.48	22.37	0.172	0.061	86.3	19.94	0.771	887	0
6/23/2014 4:30	69104	15	174	1.674	50.64	17.45	3.075	47.33	10.31	4.586	54.84	7.88	22.07	22.44	22.65	0.37	0.578	87.7	19.95	0.994	887	0
6/23/2014 4:45	69105	15	174	2.872	70.57	14.52	4.323	67.61	10.35	6.162	66.7	7.761	22.73	23.08	23.26	0.346	0.53	83.4	19.78	1.398	887	0
6/23/2014 5:00	69106	15	174	3.363	59.17	14.28	5.184	55.5	10.24	7.61	56.74	7.522	22.6	22.8	22.77	0.193	0.163	82.5	19.48	3.833	888	0
6/23/2014 5:15	69107	15	174	5.366	65.01	12.49	7.845	61.18	9.05	10.66	58.91	7.252	21.63	21.74	21.59	0.106	-0.041	67.87	15.42	14.77	888	0
6/23/2014 5:30	69108	15	174	5.49	56.7	12.84	8.39	53.22	8.31	11.67	50.57	6.132	20.74	20.76	20.52	0.014	-0.229	67.6	14.55	33.31	888	0
6/23/2014 5:45	69109	15	174	5.104	48.81	13.29	7.736	44.61	7.917	10.78	42.34	5.572	20.76	20.66	20.35	-0.097	-0.405	68.7	14.82	103.6	888	0
6/23/2014 6:00	69110	15	174	4.959	47.66	13.72	7.589	43.54	8.85	10.48	42.38	6.03	20.87	20.65	20.22	-0.213	-0.642	69.91	15.19	155.9	889	0
6/23/2014 6:15	69111	15	174	4.945	52.54	13.65	7.289	49.59	9.27	9.62	46.78	7.057	21.05	20.81	20.35	-0.241	-0.701	71.09	15.63	157.6	889	0
6/23/2014 6:30	69112	15	174	5.236	58.57	13.27	7.786	55.51	9.5	10.32	54.83	6.757	21.56	21.2	20.66	-0.363	-0.905	70.37	15.96	267.8	889	0
6/23/2014 6:45	69113	15	174	6.353	71.02	12.08	8.88	67.34	8.12	11.37	64.09	5.592	21.89	21.47	20.84	-0.427	-1.05	68.76	15.91	340.8	889	0
6/23/2014 7:00	69114	15	174	5.695	61.88	14.71	8.19	58.35	10.3	10.46	56.94	7.342	22.15	21.61	20.97	-0.542	-1.179	68.66	16.13	404.8	890	0
6/23/2014 7:15	69115	15	174	4.388	57.84	14.85	6.268	54.85	10.26	7.557	54.03	7.257	22.48	21.81	21.13	-0.673	-1.354	66.82	16.03	475.5	891	0
6/23/2014 7:30	69116	15	174	3.816	71.05	19.14	5.152	67.18	14.61	6.226	64.88	13.16	22.94	22.13	21.41	-0.811	-1.526	65.99	16.26	529.9	891	0
6/23/2014 7:45	69117	15	174	4.606	85.1	14.44	6.136	81.5	9.88	7.541	78.75	7.36	23.29	22.42	21.61	-0.87	-1.676	64.21	16.17	594.9	890	0
6/23/2014 8:00	69118	15	174	4.094	91.5	15.84	5.663	88.4	12.18	6.834	86.7	8.99	23.57	22.58	21.84	-0.99	-1.731	63.34	16.22	659.2	890	0
6/23/2014 8:15	69119	15	174	3.547	99.8	20.49	4.815	94.8	16.03	5.797	91.8	11.79	24.32	23.28	22.39	-1.045	-1.931	62	16.6	712.3	891	0
6/23/2014 8:30	69120	15	174	4.248	110.8	16.25	5.786	106	12.04	6.518	101.8	8.22	24.35	23.16	22.36	-1.186	-1.99	63.06	16.89	749.1	891	0
6/23/2014 8:45	69121	15	174	3.791	103.9	21.31	5.116	99.3	17.6	6.067	93.4	12.01	24.7	23.55	22.7	-1.152	-2.001	63.78	17.4	739.9	891	0
6/23/2014 9:00	69122	15	174	3.653	100.7	19.16	4.848	96.9	14.42	5.436	93.1	10.22	24.72	23.57	22.84	-1.15	-1.883	63.47	17.34	720.1	891	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/23/2014 9:15	69123	15	174	3.17	113.3	16.81	4.256	111.2	14.94	4.948	106.7	12.9	25.21	24.02	23.24	-1.192	-1.965	62.79	17.63	869	891	0
6/23/2014 9:30	69124	15	174	3.768	133	23.89	4.972	126.1	18.62	5.633	121.8	13.14	25.68	24.39	23.52	-1.288	-2.154	62.31	17.95	971	891	0
6/23/2014 9:45	69125	15	174	3.304	133.8	18.57	4.35	130.5	14.6	4.948	125	12.77	26.15	24.65	23.84	-1.503	-2.304	60.02	17.8	1010	891	0
6/23/2014 10:00	69126	15	174	3.062	122.8	17.32	4.159	120.4	14.88	4.971	122.7	11.97	26.94	25.39	24.49	-1.546	-2.446	57.78	17.93	1051	891	0
6/23/2014 10:15	69127	15	174	2.598	156.9	38.51	3.242	149.4	35.27	3.997	141.9	22.38	26.99	25.82	25.02	-1.172	-1.974	57.3	17.85	1080	891	0
6/23/2014 10:30	69128	15	174	1.705	135.5	51.14	2.043	137.4	51.13	2.505	152.4	37.71	27.37	26.35	25.66	-1.023	-1.713	56.33	17.93	1160	890	0
6/23/2014 10:45	69129	15	174	1.726	191	85.1	2.112	179.3	84.6	2.351	169.9	51.62	27.46	26.47	25.76	-0.986	-1.699	55.22	17.7	980	890	0
6/23/2014 11:00	69130	15	174	1.379	185.4	68.18	1.608	174.6	62.56	1.933	144.2	41.98	27.42	26.89	26.3	-0.527	-1.119	54.09	17.33	1121	890	0
6/23/2014 11:15	69131	15	174	1.345	357.5	85.3	1.479	11.91	93.5	1.529	48.56	73.39	28.35	27.57	26.91	-0.781	-1.438	51.17	17.31	1212	890	0
6/23/2014 11:30	69132	15	174	1.742	91.7	72.06	2.189	83.8	64.24	2.52	73.36	50.76	29.03	28.05	27.3	-0.982	-1.728	47.42	16.73	1224	890	0
6/23/2014 11:45	69133	15	174	1.466	111.1	77.37	2.002	99	69.25	2.276	105	64.31	29.2	28.31	27.49	-0.886	-1.705	46.95	16.73	847	890	0
6/23/2014 12:00	69134	15	174	1.714	26.92	49.11	2.252	22.64	42.43	2.85	31.03	38.68	29.21	28.43	27.83	-0.774	-1.379	47.61	16.96	817	890	0
6/23/2014 12:15	69135	15	174	1.807	70.27	71.26	2.278	66.2	71.05	2.612	68.05	52.51	29.53	28.82	28.15	-0.716	-1.379	45.65	16.59	880	890	0
6/23/2014 13:00	69138	15	174	2.452	80.6	35.46	2.947	76.56	34.22	3.717	71.5	29.78	30.61	29.68	29.01	-0.934	-1.6	40.44	15.66	1131	889	0
6/23/2014 13:15	69139	15	174	2.348	75.01	51.25	2.862	72.22	42.95	3.339	65.68	27.3	31.32	30.03	29.18	-1.297	-2.146	39.45	15.91	1176	889	0
6/23/2014 13:30	69140	15	174	2.853	102.1	40.79	3.621	100.2	33.88	4.337	100.2	18.93	31.47	30.21	29.33	-1.258	-2.146	38.78	15.77	1006	889	0
6/23/2014 13:45	69141	15	174	2.526	118.2	35.67	3.198	108.8	34.01	3.949	104.1	31.54	31.34	30.46	29.58	-0.878	-1.762	38.91	15.71	848	889	0
6/23/2014 14:00	69142	15	174	1.872	137.5	57.97	2.306	135.5	57.51	3.083	133.2	49.22	31.49	30.63	29.85	-0.859	-1.634	38.72	15.76	1061	889	0
6/23/2014 14:15	69143	15	174	1.695	167.5	49	2.051	159.1	47.37	2.215	151.2	36.24	31.88	30.99	30.24	-0.887	-1.639	36.58	15.22	1099	888	0
6/23/2014 14:30	69144	15	174	2.771	131.9	28.68	3.447	126.3	26.53	3.881	123	27.36	32.58	31.45	30.52	-1.126	-2.06	35.46	15.36	1030	888	0
6/23/2014 14:45	69145	15	174	2.527	108.7	30.05	3.184	108.7	27.36	3.649	109.5	22.97	32.26	31.16	30.41	-1.095	-1.845	35.48	15.08	1002	888	0
6/23/2014 15:00	69146	15	174	2.039	89.4	36.27	2.612	97.3	34.65	3.238	106.1	21.83	32.34	31.4	30.58	-0.94	-1.767	35.13	15	948	888	0
6/23/2014 15:15	69147	15	174	2.281	95.3	33.98	2.906	89.6	27.11	3.426	86.6	23.61	32.44	31.39	30.59	-1.045	-1.844	34.81	14.94	893	888	0
6/23/2014 15:30	69148	15	174	2.372	139.4	57.77	3.096	130.1	49.41	3.739	120.2	28.8	32.25	31.32	30.61	-0.926	-1.639	35.61	15.13	755.7	887	0
6/23/2014 15:45	69149	15	174	2.899	131.6	34.55	3.707	128.6	28.58	4.315	128.6	22.42	32.13	31.34	30.62	-0.79	-1.517	35.8	15.11	710.9	887	0
6/23/2014 16:00	69150	15	174	2.461	101.2	33.56	3.188	97.8	28.35	3.936	92.9	22.38	32.43	31.51	30.79	-0.917	-1.634	34.91	14.98	779.1	887	0
6/23/2014 16:15	69151	15	174	2.781	136.3	35.38	3.706	133.8	22.3	4.315	126	16.98	32.35	31.51	30.87	-0.847	-1.485	34.36	14.67	734.1	887	0
6/23/2014 16:30	69152	15	174	2.715	130	28.32	3.688	128.5	21.12	4.453	127.5	18.46	32.23	31.53	30.88	-0.702	-1.354	34.78	14.75	552.2	887	0
6/23/2014 16:45	69153	15	174	2.846	124.4	16.56	3.946	116.6	14.3	5.053	114.6	10.72	31.82	31.4	30.82	-0.413	-0.996	34.81	14.4	285.4	887	0
6/23/2014 17:00	69154	15	174	2.708	132.4	17.75	3.731	128.8	14.16	4.511	123.5	11.52	31.53	31.3	30.78	-0.232	-0.755	35.41	14.42	236.9	887	0
6/23/2014 17:15	69155	15	174	2.798	125.3	16.66	3.941	120.5	12.3	4.863	113.9	8.76	31.4	31.18	30.64	-0.217	-0.757	35.97	14.54	234.5	887	0
6/23/2014 17:30	69156	15	174	2.661	119.2	18.76	3.892	115.7	14.76	4.778	113.2	11.27	31.23	31.04	30.55	-0.189	-0.683	37.56	15.06	213.3	887	0
6/23/2014 17:45	69157	15	174	3.682	126	14.46	5.33	121.8	9.79	6.487	117.9	6.832	30.75	30.6	30.11	-0.147	-0.641	40.28	15.72	157	887	0
6/23/2014 18:00	69158	15	174	3.835	129	15.29	5.68	123.6	11.45	7.142	117.7	8.98	30.33	30.24	29.78	-0.097	-0.554	42.5	16.19	116.2	887	0
6/23/2014 18:15	69159	15	174	4.181	142.4	12.37	6.226	136.2	7.783	8.07	130.6	5.172	29.95	29.91	29.46	-0.048	-0.495	43.62	16.26	92	888	0
6/23/2014 18:30	69160	15	174	3.662	148.8	13.82	5.657	142.6	10.55	7.541	136.4	9.08	29.58	29.58	29.18	-0.002	-0.401	45.32	16.52	65.29	888	0
6/23/2014 18:45	69161	15	174	4.009	145.2	12.65	5.778	140.1	8.13	7.351	134.9	5.392	29.22	29.25	28.89	0.032	-0.329	46.74	16.68	33.29	888	0
6/23/2014 19:00	69162	15	174	3.894	144.3	13.11	6.029	139.3	8.49	8.02	134.9	6.695	28.76	28.87	28.57	0.107	-0.188	48.67	16.9	8.92	888	0
6/23/2014 19:15	69163	15	174	4.053	143.8	12.32	6.004	138.8	8.29	8.39	133.9	5.548	28.39	28.47	28.2	0.089	-0.184	50.24	17.06	3.2	888	0
6/23/2014 19:30	69164	15	174	4.111	148.3	12.13	6.419	143.9	7.074	8.51	139.2	4.137	28.12	28.23	27.96	0.108	-0.166	51.35	17.16	1.64	888	0
6/23/2014 19:45	69165	15	174	4.406	153.1	11.91	6.546	147.7	7.649	8.72	143.5	5.271	27.96	28.07	27.8	0.107	-0.159	51.76	17.14	1.432	889	0
6/23/2014 20:00	69166	15	174	4.614	155.7	12.01	6.85	151.1	7.596	9.41	147.1	4.924	27.76	27.89	27.66	0.129	-0.098	52.78	17.26	1.569	889	0
6/23/2014 20:15	69167	15	174	4.613	156	12.25	7.094	150.1	7.329	9.46	145.7	5.723	27.72	27.84	27.61	0.124	-0.113	53.27	17.37	1.61	889	0
6/23/2014 20:30	69168	15	174	3.945	142.1	14.49	5.949	137.6	10.83	8.43	133.9	7.606	27.71	27.83	27.62	0.125	-0.09	53.38	17.4	1.49	890	0
6/23/2014 20:45	69169	15	174	3.601	127.1	14.09	5.446	124	9.78	7.704	121.2	7.379	27.64	27.77	27.56	0.129	-0.077	53.5	17.36	1.291	890	0
6/23/2014 21:00	69170	15	174	3.476	105.3	12.8	5.178	103.1	8.41	7.277	102.1	6.088	27.62	27.7	27.49	0.077	-0.13	53.65	17.39	1.247	891	0
6/23/2014 21:15	69171	15	174	4.911	39.06	37.57	7.219	38.16	38.22	9.48	41.38	40.62	26.29	26.35	26.18	0.057	-0.109	52.36	15.78	1.447	892	0
6/23/2014 21:30	69172	15	174	7.428	19.78	19.15	11.46	14.92	13.9	14.97	8.24	12.48	21.24	20.99	20.69	-0.248	-0.541	50.96	10.7	1.903	892	0
6/23/2014 21:45	69173	15	174	6.236	13.91	18.1	9.59	11.08	14.28	13.2	5.854	9.04	21.34	21.09	20.73	-0.251	-0.615	53.57	11.55	1.983	892	0
6/23/2014 22:00	69174	15	174	5.235	27.33	16.04	7.964	23.59	9.84	11.77	16.94	6.992	22.47	22.29	22.22	-0.179	-0.248	50.09	11.55	1.626	892	0
6/23/2014 22:15	69175	15	174	6.25	44.69	13.18	9.09	40.53	9.14	12.42	34.02	7.449	24.27	24.2	23.98	-0.074	-0.29	42.64	10.79	1.997	891	0
6/23/2014 22:30	69176	15	174	5.274	49.89	14.84	8.02	47	10.64	11.13	41.73	8.57	24.55	24.5	24.26	-0.048	-0.291	42.25	10.9	1.789	891	0
6/23/2014 22:45	69177	15	174	5.092	58.06	13.39	7.571	52.89	9.74	10.97	45.78	6.465	24.91	24.94	24.86	0.029	-0.059	40.83	10.71	1.668	890	0
6/23/2014 23:00	69178	15	174	4.87	57.8	14.1	7.32	53.34	9.98	10.16	48.21	6.934	25.47	25.6	25.55	0.124	0.079	36.97	9.72	1.702	890	0
6/23/2014 23:15	69179	15	174	4.069	95.1	26.69	5.913	89.6	25.81	8.47	80.3	23.77	25.46	25.67	25.61	0.215	0.154	35.39	9.04	1.441	891	0
6/23/2014 23:30	69180	15	174	4.944	103.8	23.91	7.183	101.9	21.35	10.05	93.5	19.02	24.45	24.63	24.72	0.186	0.272	41.02	10.34	1.463	890	0
6/23/2014 23:45	69181	15	174	5.053	103.4	20.33	7.371	99.3	17.48	10.58	90.6	15.53	24.9	25.14	25.16	0.243	0.26	36.45	9	1.617	890	0
6/24/2014 0:00	69182	15	175	4.817	125.8	16.58	7.188	121	12.47	10.2	113.7	11.25	23.77	24	24.31	0.234	0.537	42.14	10.15	1.62	890	0
6/24/2014 0:15	69183	15	175	4.612	127.6	15.25	6.853	123.8	12.04	9.89	116.3	11.69	23.46	23.7	23.88	0.24	0.421	43.01	10.16	1.498	890	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/24/2014 0:30	69184	15	175	5.008	153.8	16.84	7.485	147.4	14.16	10.27	135.9	12.88	22.85	22.99	22.92	0.145	0.071	47.14	10.99	1.587	890	0
6/24/2014 0:45	69185	15	175	4.54	144.8	16.13	6.619	139.5	12.78	9.57	134.1	9.95	22.33	22.36	22.24	0.033	-0.086	51.77	11.95	1.608	890	0
6/24/2014 1:00	69186	15	175	3.657	134.6	12.8	5.632	128.3	8.11	8.15	122.6	5.757	22.35	22.46	22.34	0.107	-0.008	51.5	11.89	1.375	890	0
6/24/2014 1:15	69187	15	175	3.688	145.8	11.98	5.497	139.1	7.878	7.813	131.1	5.176	22.34	22.47	22.36	0.128	0.021	51.46	11.87	1.206	890	0
6/24/2014 1:30	69188	15	175	3.579	159.8	13.44	5.228	153.2	12.11	7.057	147.4	11.65	22.11	22.19	21.95	0.079	-0.167	52.96	12.1	1.286	891	0
6/24/2014 1:45	69189	15	175	4.222	172.6	10.84	5.931	167.5	7.682	7.547	162.5	4.944	21.79	21.8	21.5	0.011	-0.291	53.66	11.99	1.362	891	0
6/24/2014 2:00	69190	15	175	2.821	178.1	11.81	4.073	171	8.19	6.14	163.4	6.248	21.54	21.62	21.53	0.081	-0.012	53.47	11.71	1	892	0
6/24/2014 2:15	69191	15	175	2.495	173	15.46	3.841	168.7	12.82	6.008	163.9	9.1	21.49	21.59	21.56	0.105	0.07	54.2	11.86	1.054	891	0
6/24/2014 2:30	69192	15	175	2.633	175.6	24.98	4.015	170.6	20.46	6.076	170.3	15	21.41	21.55	21.49	0.143	0.074	55.59	12.18	1.058	892	0
6/24/2014 2:45	69193	15	175	2.806	204.3	13.07	4.173	201.4	9.83	5.922	198.9	6.018	21.41	21.51	21.26	0.097	-0.153	57.38	12.66	0.958	892	0
6/24/2014 3:00	69194	15	175	1.842	216.9	23.68	2.886	214.3	22.63	4.589	211.5	16.28	21.18	21.29	21.16	0.115	-0.014	59.9	13.1	0.876	891	0
6/24/2014 3:15	69195	15	175	1.307	158.5	29.82	2.039	173.4	25.79	3.35	205.4	16.54	20.49	21.22	21.33	0.73	0.835	62.49	13.09	0.809	891	0
6/24/2014 3:30	69196	15	175	1.676	110.9	10.99	3.273	117.1	4.639	3.573	148.9	9.01	19.95	20.81	21.51	0.864	1.562	66.33	13.5	0.736	891	0
6/24/2014 3:45	69197	15	175	0.887	153.4	50.59	1.944	136	23.86	3.868	152.8	12.27	20.19	20.72	21.61	0.532	1.416	66.38	13.74	0.853	891	0
6/24/2014 4:00	69198	15	175	0.779	224.2	58.1	1.3	196.4	20.84	3.094	179.8	10.61	19.85	20.91	21.35	1.053	1.498	68.17	13.83	0.811	891	0
6/24/2014 4:15	69199	15	175	0.663	184.2	45.35	1.719	168.9	15.38	3.279	161.3	8.07	19.23	20.53	21.02	1.306	1.794	72.85	14.25	0.87	891	0
6/24/2014 4:30	69200	15	175	0.44	18.09	77.74	0.899	126.7	23.44	2.732	148.9	11.18	19.45	19.91	20.93	0.451	1.476	72.92	14.49	0.825	892	0
6/24/2014 4:45	69201	15	175	1.319	93.1	10.81	2.918	102.9	4.579	2.926	129.6	7.615	18.84	19.93	20.94	1.09	2.102	76.8	14.7	1.114	892	0
6/24/2014 5:00	69202	15	175	1.871	108	10.38	3.494	106.4	5.263	4.12	126.5	5.954	19.1	19.66	20.88	0.555	1.779	75.78	14.74	3.373	892	0
6/24/2014 5:15	69203	15	175	2.099	118.5	12.51	3.657	114.3	6.79	5.651	124.9	7.131	19.35	19.71	20.76	0.355	1.409	75.09	14.85	11.52	892	0
6/24/2014 5:30	69204	15	175	2.489	114.6	12.28	3.934	111.5	7.588	6.851	116.2	5.017	19.68	19.85	20.5	0.173	0.821	72.2	14.55	26.69	892	0
6/24/2014 5:45	69205	15	175	2.017	124.3	12.26	3.149	120.3	7.073	5.618	119.5	4.556	19.98	20.06	20.28	0.084	0.3	72.9	14.99	72.43	892	0
6/24/2014 6:00	69206	15	175	2.166	132	13.08	3.232	127.6	9.21	6.008	134.7	6.621	20.52	20.34	21.01	-0.184	0.488	73.01	15.53	149.4	892	0
6/24/2014 6:15	69207	15	175	2.37	140.5	16.5	3.306	134.4	11.74	5.061	135.5	8.19	21.51	21.18	21	-0.331	-0.507	70.89	16.02	221.9	892	0
6/24/2014 6:30	69208	15	175	2.534	148.2	16	3.606	142.8	12.1	4.428	142	11.43	22.3	21.94	21.44	-0.368	-0.865	68.4	16.22	259.4	892	0
6/24/2014 6:45	69209	15	175	2.917	164.1	16.64	3.991	159.2	11.47	4.61	156.5	9.1	22.91	22.43	21.9	-0.475	-1.007	64.41	15.85	345.5	892	0
6/24/2014 7:00	69210	15	175	2.951	177.1	14.42	3.883	171.3	12.49	4.443	171.2	10.18	23.43	22.85	22.29	-0.575	-1.143	60.98	15.49	419.1	892	0
6/24/2014 7:15	69211	15	175	2.992	185.4	13.84	4.068	177.4	10.98	4.723	172	8.1	23.89	23.27	22.64	-0.624	-1.253	60.45	15.79	426.9	892	0
6/24/2014 7:30	69212	15	175	2.936	176.1	13.4	3.821	173.1	10.11	4.418	173.7	7.902	24.16	23.55	22.92	-0.609	-1.24	60.96	16.18	456.6	892	0
6/24/2014 7:45	69213	15	175	3.314	185.4	14.97	4.222	181	12.69	4.908	178.2	8.76	24.68	23.96	23.28	-0.723	-1.406	60.44	16.53	546.7	892	0
6/24/2014 8:00	69214	15	175	3.303	185	17.03	4.298	179.5	13.17	4.911	174.5	9.22	25.36	24.44	23.72	-0.916	-1.639	58.05	16.53	661.7	892	0
6/24/2014 8:15	69215	15	175	2.881	163.3	16.62	3.832	161.1	14.09	4.597	160.2	12.65	26.02	25.09	24.32	-0.931	-1.695	55.69	16.49	701.6	892	0
6/24/2014 8:30	69216	15	175	3.034	170.9	18.36	4.084	165.3	13.64	4.853	161.4	9.79	26.63	25.59	24.83	-1.044	-1.806	52.77	16.22	771.3	892	0
6/24/2014 8:45	69217	15	175	3.529	160.6	22.47	4.691	156.2	17.98	5.605	153.3	14.64	26.99	25.95	25.27	-1.045	-1.725	50.8	15.95	830	892	0
6/24/2014 9:00	69218	15	175	3.162	150.1	19.68	4.332	143	16.75	4.912	142.9	13.31	27.63	26.48	25.69	-1.153	-1.943	48.04	15.66	892	892	0
6/24/2014 9:15	69219	15	175	3.381	153.8	17.18	4.567	148	12.68	5.191	142.9	11.23	27.64	26.5	25.79	-1.146	-1.85	46.26	15.08	893	892	0
6/24/2014 9:30	69220	15	175	3.362	162	22.21	4.374	155.7	18.74	5.258	152.7	13.54	28.57	27.2	26.32	-1.374	-2.252	43.97	15.14	1010	892	0
6/24/2014 9:45	69221	15	175	3.651	140.5	20.01	5.066	132.9	15.81	6.073	128	11.89	29.1	27.51	26.63	-1.588	-2.472	44.13	15.67	1156	892	0
6/24/2014 10:00	69222	15	175	5.012	130.8	18.75	6.978	125.6	15.62	8.26	123.1	13.14	28.98	27.34	26.35	-1.634	-2.632	46.75	16.45	1081	892	0
6/24/2014 10:15	69223	15	175	4.739	128.1	16.04	6.489	124.3	11.3	7.568	120.1	7.953	28.8	27	26.02	-1.799	-2.78	47.94	16.7	1129	892	0
6/24/2014 10:30	69224	15	175	4.176	131.3	20.68	5.712	127.1	13.77	6.746	123.8	11.31	27.97	26.81	26.06	-1.167	-1.916	48.63	16.17	605.3	892	0
6/24/2014 10:45	69225	15	175	3.659	142	20.58	4.687	135.8	16.2	5.372	132.1	16.02	28.95	27.69	26.78	-1.255	-2.168	44	15.47	990	892	0
6/24/2014 11:00	69226	15	175	3.076	172.3	25.33	3.98	169.7	19.64	4.716	164.8	16.71	29.09	28	27.28	-1.09	-1.811	41.32	14.63	866	892	0
6/24/2014 11:15	69227	15	175	3.754	134.7	19.34	5.135	130.6	15.77	5.741	127.9	11.6	29.51	28.3	27.5	-1.212	-2.009	41.76	15.18	858	892	0
6/24/2014 11:30	69228	15	175	4.351	127.3	17.25	5.972	122.3	12.67	7.018	118.8	10.31	30.18	28.68	27.73	-1.493	-2.445	40.16	15.16	1094	892	0
6/24/2014 11:45	69229	15	175	3.933	124	19.82	5.152	118.9	13.87	5.922	114	10.89	30.66	29.11	28.25	-1.555	-2.415	37.15	14.39	1209	892	0
6/24/2014 12:00	69230	15	175	3.975	115.4	18.93	5.311	112.8	14.12	6.253	109.1	12.43	30.92	29.4	28.38	-1.515	-2.541	35.87	14.07	1212	891	0
6/24/2014 12:15	69231	15	175	3.552	135.3	22.05	4.592	127.2	16.48	5.498	125.7	16.2	31.11	29.64	28.72	-1.47	-2.392	35.03	13.88	1215	891	0
6/24/2014 12:30	69232	15	175	3.671	134.8	28.15	4.797	130.6	25.15	5.69	123.2	17.98	31.84	30.21	29.26	-1.632	-2.579	32.89	13.54	1213	891	0
6/24/2014 12:45	69233	15	175	4.073	128.4	23.97	5.665	123.7	20.53	6.907	121.6	19.95	32.16	30.55	29.59	-1.61	-2.567	33.44	14.07	1201	891	0
6/24/2014 13:00	69234	15	175	3.452	130.5	20.63	4.538	127.5	17.65	5.451	128.4	18.45	32.37	30.8	29.92	-1.568	-2.455	31.03	13.11	1189	890	0
6/24/2014 13:15	69235	15	175	3.526	146.6	28.8	4.536	140.8	26.25	5.52	142.7	25.84	32.64	31.31	30.43	-1.33	-2.211	29.92	12.79	1182	890	0
6/24/2014 13:30	69236	15	175	4.357	121.4	24.46	5.857	118.6	21.47	6.898	118.8	18.65	33.24	31.6	30.5	-1.647	-2.749	30.06	13.37	1176	890	0
6/24/2014 13:45	69237	15	175	3.975	142.9	29.81	5.391	139	29.49	6.336	136.4	28.55	33.11	31.49	30.61	-1.619	-2.495	29.29	12.86	1220	890	0
6/24/2014 14:00	69238	15	175	3.446	150.4	32.04	4.697	147	30.02	5.723	141.4	25.72	32.96	31.7	30.86	-1.263	-2.105	29.28	12.73	807	890	0
6/24/2014 14:15	69239	15	175	3.555	146.2	20.99	4.785	142.5	14.62	5.452	143.1	11.03	32.76	31.56	30.73	-1.198	-2.03	28.69	12.24	949	890	0
6/24/2014 14:30	69240	15	175	3.14	163.3	21.71	4.049	157.6	17.56	4.567	155.3	16.91	32.83	31.73	30.97	-1.095	-1.86	28.3	12.1	853	890	0
6/24/2014 14:45	69241	15	175	1.802	109	43.78	2.233	106.1	36.48	2.562	124.1	37.39	32.21	31.55	30.92	-0.663	-1.296	28.59	11.73	605.1	889	0
6/24/2014 15:00	69242	15	175	3.708	138.5	26.7	4.921	131.8	24.21	5.896	123.9	20.82	32.6	31.79	31.06	-0.818	-1.542	29.29	12.42	678.3	889	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/24/2014 15:15	69243	15	175	4.484	118.7	30	6.171	114.5	25.06	7.489	111.1	19.03	32.64	31.72	30.87	-0.92	-1.767	30.6	13.13	725.1	889	0
6/24/2014 15:30	69244	15	175	5.133	109	12.8	7.161	105.3	8.2	8.4	100.4	6.574	32.02	31.2	30.44	-0.815	-1.574	31.61	13.09	524.1	889	0
6/24/2014 15:45	69245	15	175	4.646	105.1	15.44	6.722	101	11.04	8.06	98.7	7.677	31.58	30.95	30.26	-0.636	-1.328	32.43	13.11	432.1	889	0
6/24/2014 16:00	69246	15	175	4.227	111.7	13.13	6.102	108.3	8.6	7.57	105.7	6.495	31.61	31.05	30.37	-0.56	-1.24	32.24	13.04	400.2	889	0
6/24/2014 16:15	69247	15	175	4.506	109.8	14.69	6.201	106.6	10.52	7.534	103	8.37	31.38	30.93	30.31	-0.449	-1.072	32.31	12.87	366.3	889	0
6/24/2014 16:30	69248	15	175	4.527	112.9	12.68	6.523	109.5	8.21	7.798	105.6	5.845	31.53	30.99	30.34	-0.533	-1.188	32.25	12.97	432.9	888	0
6/24/2014 16:45	69249	15	175	4.745	113.7	13.25	6.794	109.8	8.92	8.44	107.4	5.669	31.38	30.93	30.28	-0.447	-1.101	32.16	12.8	373.9	888	0
6/24/2014 17:00	69250	15	175	4.758	118.1	15.46	6.758	114.5	10.53	8.23	110.6	9.45	31.71	31.06	30.29	-0.656	-1.423	31.88	12.95	562.1	888	0
6/24/2014 17:15	69251	15	175	4.719	123.8	14.51	6.839	120.3	10.47	8.36	115.4	8.37	31.48	31.03	30.41	-0.446	-1.07	31.73	12.68	370.6	888	0
6/24/2014 17:30	69252	15	175	4.653	121.2	14.16	6.585	116.3	10.05	8.22	112.3	7.469	31.36	30.93	30.27	-0.434	-1.091	31.9	12.66	388.6	888	0
6/24/2014 17:45	69253	15	175	4.552	129.6	15.19	6.597	124.9	10.3	8.25	121.2	7.639	31.29	30.94	30.32	-0.35	-0.968	31.94	12.62	327.4	888	0
6/24/2014 18:00	69254	15	175	4.648	134.5	13.5	6.705	129.6	8.89	8.41	124.3	7.194	31.06	30.84	30.3	-0.223	-0.761	31.98	12.44	260.7	888	0
6/24/2014 18:15	69255	15	175	5.076	132.6	13.67	7.33	128.7	8.95	9.13	124.8	5.647	30.7	30.6	30.12	-0.102	-0.579	32.3	12.28	186.8	888	0
6/24/2014 18:30	69256	15	175	4.184	135.1	12.53	6.247	130.6	8.47	8.39	126.1	5.533	30.33	30.36	29.98	0.037	-0.342	33.21	12.37	117.1	888	0
6/24/2014 18:45	69257	15	175	4.307	135.4	12.76	6.592	130.9	8.06	8.97	128.1	4.724	29.85	30	29.71	0.146	-0.135	34.14	12.38	62.53	888	0
6/24/2014 19:00	69258	15	175	4.294	134.6	13.14	6.432	129.7	7.672	8.74	127.2	4.937	29.37	29.6	29.42	0.223	0.047	34.79	12.25	24.02	888	0
6/24/2014 19:15	69259	15	175	4.158	133.4	12.65	6.26	129.5	7.313	8.73	125.9	5.505	28.87	29.16	29.07	0.295	0.198	35.35	12.05	6.352	888	0
6/24/2014 19:30	69260	15	175	3.739	133.7	11.87	5.644	128.4	6.789	8.2	125.7	4.095	28.23	28.58	28.59	0.344	0.36	36.64	12.03	1.904	889	0
6/24/2014 19:45	69261	15	175	3.76	134.9	12.48	5.696	130.2	7.291	8.55	127	4.337	27.8	28.16	28.22	0.359	0.423	37.11	11.84	1.517	889	0
6/24/2014 20:00	69262	15	175	4.112	133.7	11.12	6.253	130.7	7.189	9.22	128.1	3.779	27.48	27.81	27.86	0.329	0.38	37.25	11.62	1.448	889	0
6/24/2014 20:15	69263	15	175	4.012	135.7	12.02	5.974	130.5	7.591	8.89	127.3	4.466	27.1	27.41	27.43	0.318	0.331	37.74	11.48	1.513	889	0
6/24/2014 20:30	69264	15	175	4.249	135	10.93	6.045	129.9	6.555	8.7	127.2	4.417	26.74	27.03	27.03	0.284	0.29	39.17	11.72	1.335	889	0
6/24/2014 20:45	69265	15	175	3.94	132.8	11.1	5.781	129.1	7.568	8.75	126.2	4.452	26.37	26.67	26.69	0.297	0.316	41.67	12.33	1.322	889	0
6/24/2014 21:00	69266	15	175	3.973	133.1	11.54	5.99	128.2	7.494	8.82	124.3	4.881	26.1	26.39	26.38	0.291	0.283	44.21	12.99	1.305	889	0
6/24/2014 21:15	69267	15	175	4.663	133.7	11.62	6.788	128.7	7.276	9.66	125.4	4.745	25.95	26.17	26.09	0.221	0.134	47.47	13.94	1.473	889	0
6/24/2014 21:30	69268	15	175	5.014	132.9	11.09	7.358	129.2	7.036	10.09	126.1	4.622	25.75	25.93	25.75	0.176	0	52.45	15.31	1.543	889	0
6/24/2014 21:45	69269	15	175	5.202	137.2	11.84	7.562	132.2	7.236	10.19	128.5	5.056	25.48	25.64	25.45	0.154	-0.033	53.59	15.4	1.496	889	0
6/24/2014 22:00	69270	15	175	4.735	134.3	11.31	6.884	130.2	7.825	9.7	126	5.418	25.1	25.27	25.12	0.176	0.023	54.41	15.27	1.529	889	0
6/24/2014 22:15	69271	15	175	4.586	135.2	11.54	6.927	130.2	7.077	9.53	126.1	4.644	24.78	24.96	24.78	0.181	0.004	56.25	15.5	1.47	889	0
6/24/2014 22:30	69272	15	175	4.612	133.5	11.64	6.803	128.8	7.612	9.45	126	4.935	24.43	24.6	24.42	0.163	-0.011	58.36	15.75	1.555	889	0
6/24/2014 22:45	69273	15	175	5.163	134.9	12.18	7.571	129.8	6.948	9.81	126.9	4.685	24.25	24.36	24.13	0.117	-0.117	61.51	16.39	1.463	890	0
6/24/2014 23:00	69274	15	175	5.053	137.5	12.32	7.522	132.3	7.853	9.96	129.1	5.929	24.01	24.11	23.87	0.102	-0.137	64.17	16.84	1.646	889	0
6/24/2014 23:15	69275	15	175	5.061	135.5	11.8	7.419	131	7.741	10.02	128	5.137	23.78	23.89	23.64	0.108	-0.136	66.05	17.08	1.454	890	0
6/24/2014 23:30	69276	15	175	5.185	135.6	12.12	7.575	131.1	7.544	10.29	128	4.909	23.55	23.64	23.38	0.086	-0.171	68.41	17.41	1.547	889	0
6/24/2014 23:45	69277	15	175	5.42	137.5	11.51	7.753	132.3	7.443	10.38	129.8	5.485	23.34	23.4	23.14	0.064	-0.199	70.45	17.68	1.667	889	0
6/25/2014 0:00	69278	15	176	5.118	136.4	11.34	7.472	131.7	7.42	10.14	128.6	5.452	23.08	23.16	22.89	0.077	-0.184	71.87	17.75	1.554	889	0
6/25/2014 0:15	69279	15	176	5.348	142	12.83	7.909	136.4	8.03	10.45	133	5.202	22.91	22.98	22.7	0.069	-0.204	72.47	17.71	1.69	889	0
6/25/2014 0:30	69280	15	176	5.365	137.4	12.79	7.941	132.4	8.48	10.45	129.2	5.832	22.69	22.76	22.49	0.075	-0.193	73.41	17.7	1.633	889	0
6/25/2014 0:45	69281	15	176	5.135	135.6	12.07	7.421	130.8	7.987	10.15	127.6	5.72	22.49	22.55	22.28	0.063	-0.206	74.79	17.81	1.524	889	0
6/25/2014 1:00	69282	15	176	5.137	130.4	12.53	7.547	125.4	8.35	10.14	123.9	5.869	22.3	22.36	22.07	0.06	-0.228	76.41	17.97	1.629	890	0
6/25/2014 1:15	69283	15	176	5.243	134	13.31	7.65	128.6	8.24	10.01	126	5.893	22.11	22.16	21.86	0.045	-0.251	78.08	18.13	1.53	890	0
6/25/2014 1:30	69284	15	176	4.749	134.3	12.91	7.14	128.7	7.834	9.63	125.2	6.332	21.93	21.99	21.71	0.058	-0.226	79.49	18.24	1.459	889	0
6/25/2014 1:45	69285	15	176	4.936	137	13.8	7.253	130.8	8.94	9.58	126.5	6.648	21.85	21.9	21.61	0.048	-0.243	80.1	18.29	1.535	889	0
6/25/2014 2:00	69286	15	176	4.949	141.2	12.02	7.336	135.3	7.453	9.35	131.6	5.57	21.76	21.82	21.52	0.061	-0.236	80.3	18.24	1.389	889	0
6/25/2014 2:15	69287	15	176	4.232	140.2	13.45	6.203	135.3	9.03	8.88	133	6.089	21.6	21.67	21.42	0.071	-0.181	80.8	18.19	1.513	889	0
6/25/2014 2:30	69288	15	176	4.257	143.9	12.33	6.192	139.2	8.42	8.46	135.9	6.127	21.52	21.59	21.31	0.067	-0.209	81.3	18.2	1.455	889	0
6/25/2014 2:45	69289	15	176	4.35	140.4	12.19	6.21	136.7	8.63	8.31	134.3	5.637	21.41	21.48	21.22	0.068	-0.196	81.9	18.21	1.501	889	0
6/25/2014 3:00	69290	15	176	4.168	142.7	12.91	6.301	136.9	8.17	8.51	132.4	5.656	21.29	21.38	21.13	0.094	-0.16	82.7	18.25	1.348	889	0
6/25/2014 3:15	69291	15	176	3.813	134	12.3	5.571	129.8	8.7	7.778	126.2	5.771	21.1	21.19	20.95	0.094	-0.152	83.7	18.24	1.237	889	0
6/25/2014 3:30	69292	15	176	4.071	133.4	13.4	6.28	127.4	7.924	8.53	123.4	5.46	20.86	20.94	20.67	0.082	-0.188	85.6	18.36	1.482	889	0
6/25/2014 3:45	69293	15	176	4.006	134.7	11.59	6.011	128.3	7.608	8.39	123.7	4.953	20.72	20.8	20.53	0.072	-0.194	87.1	18.51	1.381	889	0
6/25/2014 4:00	69294	15	176	3.872	129	12.77	5.838	124.1	7.854	8.35	119.5	5.444	20.6	20.67	20.42	0.063	-0.187	88.1	18.58	1.302	889	0
6/25/2014 4:15	69295	15	176	3.817	134.8	13.35	5.68	128.1	8.79	7.968	122.8	5.44	20.6	20.66	20.42	0.066	-0.176	88.1	18.58	1.361	889	0
6/25/2014 4:30	69296	15	176	3.442	140.3	13.1	5.025	133.7	8.1	6.783	126.2	6.192	20.45	20.51	20.2	0.061	-0.242	88.9	18.57	1.186	889	0
6/25/2014 4:45	69297	15	176	3.115	131	13.48	4.679	124.7	8.65	6.925	120.8	5.565	20.27	20.31	20.03	0.04	-0.241	90.1	18.61	1.663	890	0
6/25/2014 5:00	69298	15	176	3.077	120.7	13.17	4.499	117	9.1	6.557	112.5	6.482	20.27	20.29	19.99	0.019	-0.276	90.4	18.66	5.028	890	0
6/25/2014 5:15	69299	15	176	3.6	119.8	13.67	5.493	115.5	8.94	7.696	112	5.512	20.39	20.37	20.07	-0.014	-0.317	90.3	18.77	19.08	890	0
6/25/2014 5:30	69300	15	176	4.254	117.9	13.44	6.211	112.9	8.39	8.58	109.6	5.049	20.65	20.56	20.19	-0.092	-0.467	88.9	18.77	47.43	890	0
6/25/2014 5:45	69301	15	176	4.517	128.2	12.88	6.611	122.1	7.507	8.62	118.4	4.956	20.66	20.52	20.1	-0.139	-0.555	88.1	18.64	80	890	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/25/2014 6:00	69302	15	176	4.607	129.8	13.02	6.795	123.9	8.75	8.77	118.3	5.135	20.74	20.52	20.04	-0.219	-0.697	87.7	18.63	113.9	890	0
6/25/2014 6:15	69303	15	176	4.468	123.5	12.93	6.591	118.3	8.55	8.38	114.1	6.66	20.88	20.62	20.14	-0.26	-0.739	86.6	18.57	139.6	890	0
6/25/2014 6:30	69304	15	176	4.951	117.9	13.56	6.973	115.6	8.38	9.07	112.3	5.859	21.44	20.99	20.37	-0.446	-1.065	83.7	18.58	265.8	890	0
6/25/2014 6:45	69305	15	176	4.895	122.2	13.26	7.05	116.9	8.17	8.78	112.7	5.501	21.77	21.23	20.58	-0.542	-1.187	81.3	18.44	328.4	891	0
6/25/2014 7:00	69306	15	176	4.575	123.5	14	6.668	119.5	9.77	8.18	115.7	7.405	22.1	21.45	20.77	-0.643	-1.328	80	18.5	361	891	0
6/25/2014 7:15	69307	15	176	4.672	125.9	14.59	6.681	121.5	9.49	8.08	117.8	6.464	22.47	21.67	20.89	-0.806	-1.579	77.93	18.45	451.5	891	0
6/25/2014 7:30	69308	15	176	5.106	123.6	13.42	7.228	117.8	8.35	8.64	114.3	4.937	22.79	21.89	21.09	-0.903	-1.695	76.75	18.51	523.9	891	0
6/25/2014 7:45	69309	15	176	5.289	116.1	13.4	7.271	111.9	9.12	8.56	109.1	5.649	23.14	22.18	21.36	-0.958	-1.78	75.14	18.51	585.5	891	0
6/25/2014 8:00	69310	15	176	4.51	123.6	14.61	6.276	121	10.41	7.724	117.8	8.28	23.81	22.71	21.83	-1.105	-1.983	73.17	18.74	646.6	891	0
6/25/2014 8:15	69311	15	176	4.513	136.1	14.75	6.272	130.9	10.52	7.403	125.5	6.086	24.42	23.23	22.43	-1.182	-1.99	70.15	18.64	710.6	891	0
6/25/2014 8:30	69312	15	176	4.015	123.8	16.22	5.738	119.7	10.91	6.672	115.4	6.698	25.13	23.91	23.09	-1.218	-2.042	67.39	18.68	650.4	891	0
6/25/2014 8:45	69313	15	176	3.571	133.1	15.73	5.008	127.3	10.46	5.976	120.7	7.481	24.87	24.02	23.32	-0.849	-1.548	67.35	18.42	440.9	891	0
6/25/2014 9:00	69314	15	176	3.398	115.9	16.22	4.606	110.3	11.84	5.345	106.3	9.83	24.7	23.93	23.3	-0.771	-1.408	68.3	18.49	397.7	891	0
6/25/2014 9:15	69315	15	176	3.613	90.6	16.39	4.797	85.7	13.77	5.809	81.8	13.64	25	24.32	23.67	-0.679	-1.333	67.42	18.56	348.6	891	0
6/25/2014 9:30	69316	15	176	4.417	84.4	15.5	6.097	80.5	12.22	7.293	77.43	7.885	24.85	24.22	23.49	-0.635	-1.362	67.63	18.47	320.4	892	0
6/25/2014 9:45	69317	15	176	4.75	88.4	13.36	6.455	84.7	10.49	8.08	80.9	8.93	24.84	24.21	23.47	-0.631	-1.372	67.85	18.52	373.4	892	0
6/25/2014 10:00	69318	15	176	5.744	89.5	15.38	7.831	86.4	12.39	9.7	82.7	8.93	25.82	24.49	23.42	-1.327	-2.404	63.83	18.46	1038	892	0
6/25/2014 10:15	69319	15	176	6.613	85	14.05	8.91	81.8	10.3	11.25	77.8	7.423	26.43	24.87	23.52	-1.558	-2.903	60.7	18.24	1206	892	0
6/25/2014 10:30	69320	15	176	7.194	93.5	14	10.05	89.3	10.03	12.74	85.8	7.086	26	24.75	23.58	-1.247	-2.415	59.4	17.49	747.6	892	0
6/25/2014 10:45	69321	15	176	7.43	99.7	12.1	10.48	96.2	8.08	12.92	92.5	5.515	26.4	25.28	24.24	-1.119	-2.167	55.8	16.88	852	891	0
6/25/2014 11:00	69322	15	176	7.627	99.8	15.69	10.83	96.1	12.03	13.33	91.4	8.67	27.08	26.02	24.95	-1.061	-2.124	52.12	16.43	673	891	0
6/25/2014 11:15	69323	15	176	7.713	106.3	11.69	10.99	101.5	7.836	14	97.6	4.882	25.58	25.06	24.36	-0.511	-1.221	55.89	16.13	319.2	891	0
6/25/2014 11:30	69324	15	176	7.933	109.6	12.53	11.12	106.5	7.565	14.52	101.7	4.33	26.44	25.77	24.98	-0.673	-1.464	45.76	13.75	688.7	891	0
6/25/2014 11:45	69325	15	176	7.843	112	12.96	11.22	107.7	8.33	14.03	103.2	5.401	28.12	26.96	25.84	-1.167	-2.288	39.68	13.13	1100	891	0
6/25/2014 12:00	69326	15	176	7.916	113.9	12.15	11.36	110.2	7.338	14.18	106.4	4.633	28.97	27.48	26.15	-1.494	-2.817	36.28	12.53	1256	890	0
6/25/2014 12:15	69327	15	176	7.569	117.8	13.39	10.63	114	8.6	13.23	109.9	6.592	29.76	28.27	26.91	-1.487	-2.855	37.07	13.56	1226	890	0
6/25/2014 12:30	69328	15	176	7.902	120.4	13.34	11.06	116.5	8.04	13.66	112.2	5.388	30.2	28.65	27.37	-1.545	-2.829	34.74	12.94	1225	890	0
6/25/2014 12:45	69329	15	176	7.371	120	14.3	10.53	115.5	9.32	13.14	111.1	6.34	31.07	29.46	28.1	-1.609	-2.97	32.12	12.51	1280	890	0
6/25/2014 13:00	69330	15	176	7.1	119.4	14.22	10.06	115.7	10.24	12.41	112.7	7.05	31.18	29.72	28.47	-1.459	-2.707	30.63	11.88	993	890	0
6/25/2014 13:15	69331	15	176	6.178	133.1	15.51	8.76	128.1	11.13	10.33	122.5	8.3	30.65	29.55	28.65	-1.099	-2.004	33.01	12.56	765	889	0
6/25/2014 13:30	69332	15	176	5.737	136.1	14.16	8.23	130.9	9.73	10.05	125	6.74	30.32	29.35	28.42	-0.968	-1.898	34.19	12.8	680.2	889	0
6/25/2014 13:45	69333	15	176	4.631	139	15.59	6.675	133.6	10.86	7.844	127	8.94	30.72	29.66	28.84	-1.056	-1.88	32.64	12.44	761	889	0
6/25/2014 14:00	69334	15	176	3.413	132.5	18.28	4.634	128.1	14.96	5.652	124.5	12.96	30.68	29.82	29.13	-0.858	-1.551	33.51	12.82	570	889	0
6/25/2014 14:15	69335	15	176	3.742	143.9	19.4	5.04	138.9	14.76	5.847	136.8	11.16	30.83	29.9	29.23	-0.922	-1.6	34.47	13.38	673.7	889	0
6/25/2014 14:30	69336	15	176	3.598	174.1	18.95	4.996	168.9	17.14	5.883	165.4	13.82	30.7	29.91	29.17	-0.79	-1.531	34.86	13.45	484.4	889	0
6/25/2014 14:45	69337	15	176	3.721	177.1	16.26	5.236	172.8	12.58	6.256	170.6	11.31	30.31	29.69	29.07	-0.624	-1.244	36.31	13.73	391	889	0
6/25/2014 15:00	69338	15	176	3.618	179.7	14.66	4.997	174.2	10.67	5.79	169.3	9.24	29.87	29.31	28.7	-0.56	-1.175	37.49	13.83	351.1	888	0
6/25/2014 15:15	69339	15	176	3.493	154.7	15.71	4.992	149.4	11.03	5.976	147.1	7.684	29.64	29.1	28.47	-0.538	-1.165	40.04	14.64	348.8	888	0
6/25/2014 15:30	69340	15	176	4.133	166.9	12.93	5.822	161.2	10.5	6.942	158.3	9.07	29.51	28.97	28.31	-0.536	-1.198	40.45	14.68	351.4	888	0
6/25/2014 15:45	69341	15	176	6.161	170	13.48	8.77	164.6	10.11	10.61	160.4	6.973	28.82	28.28	27.58	-0.536	-1.242	44.08	15.37	336.4	889	0
6/25/2014 16:00	69342	15	176	6.639	166.9	12.95	9.46	161.7	9.59	11.55	157.9	6.798	27.91	27.24	26.47	-0.668	-1.434	50.36	16.66	428.5	889	0
6/25/2014 16:15	69343	15	176	6.929	171.9	14.48	9.92	168.4	10.61	12.29	165.9	7.243	28.44	27.48	26.55	-0.966	-1.891	50.69	17.25	698.3	889	0
6/25/2014 16:30	69344	15	176	7.242	172.8	12.18	10.37	167.6	8.88	12.71	163.6	5.644	28.4	27.42	26.44	-0.983	-1.965	49.2	16.74	667.3	889	0
6/25/2014 16:45	69345	15	176	6.807	174.2	15.14	9.81	169.8	12.99	12.26	167.3	11.31	28.35	27.34	26.28	-1.007	-2.075	50.73	17.18	667.1	889	0
6/25/2014 17:00	69346	15	176	6.457	184.4	13.49	9.19	179.5	10.8	11.37	174.4	7.786	27.23	26.25	25.22	-0.977	-2.01	53.79	17.07	579.7	888	0
6/25/2014 17:15	69347	15	176	6.782	167.4	12.56	9.55	162.5	8.73	11.5	160	6.152	26.86	26.03	25.18	-0.83	-1.688	54.11	16.82	477.4	888	0
6/25/2014 17:30	69348	15	176	5.76	172.5	13.53	8.23	167.8	9.38	10.16	165.3	7.135	27.1	26.44	25.68	-0.659	-1.425	46.14	14.48	404.3	888	0
6/25/2014 17:45	69349	15	176	5.992	174.3	12.46	8.56	170	9.31	10.53	166	6.62	27.15	26.61	25.92	-0.536	-1.227	45.17	14.26	322.8	888	0
6/25/2014 18:00	69350	15	176	5.717	177.3	13.74	8.07	172.8	10.76	9.88	170.8	9.4	26.64	26.4	25.84	-0.242	-0.798	38.25	11.27	182.3	888	0
6/25/2014 18:15	69351	15	176	5.281	184.3	11.63	7.465	180	7.981	9.68	177.7	4.877	25.94	25.82	25.33	-0.125	-0.617	38.41	10.71	126.1	888	0
6/25/2014 18:30	69352	15	176	4.222	186.4	12.25	6.127	181.4	8.14	7.923	178.2	4.559	25.58	25.5	25.05	-0.073	-0.524	40.32	11.12	114.3	888	0
6/25/2014 18:45	69353	15	176	2.971	188.7	11.63	4.254	184.9	8.14	5.322	181.5	6.324	25.23	25.32	24.97	0.086	-0.267	42.1	11.46	71.23	888	0
6/25/2014 19:00	69354	15	176	2.762	188.5	10.6	4.228	184.8	7.421	5.599	183	3.955	24.72	24.98	24.77	0.257	0.045	44.01	11.67	30.41	888	0
6/25/2014 19:15	69355	15	176	1.831	179.1	12.47	3.151	177.2	7.674	4.619	181.2	3.388	23.93	24.51	24.62	0.58	0.685	46.97	11.94	9.02	888	0
6/25/2014 19:30	69356	15	176	1.049	167.5	7.529	2.481	165.8	3.202	3.863	183	3.688	22.63	24.05	24.51	1.417	1.88	51.54	12.16	1.779	888	0
6/25/2014 19:45	69357	15	176	0.714	181.9	29.97	1.991	171.3	6.96	3.85	192.6	3.216	22.04	23.18	24.35	1.144	2.315	54.37	12.43	0.901	888	0
6/25/2014 20:00	69358	15	176	1.142	155.8	15.67	3.025	167.9	4.261	4.24	190	4.349	20.99	23.52	24.2	2.531	3.211	58.02	12.44	0.886	888	0
6/25/2014 20:15	69359	15	176	1.171	127.5	8.39	2.778	152.4	5.082	3.219	179	5.088	20.55	23.27	24.01	2.72	3.457	60.52	12.67	0.673	888	0
6/25/2014 20:30	69360	15	176	0.985	95.4	30.07	2.517	139.2	9.79	2.714	173.5	10.58	19.81	22.87	23.88	3.056	4.071	64	12.82	0.633	888	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/25/2014 20:45	69361	15	176	1.333	121.2	14.81	3.234	135.1	5.798	2.967	165.8	5.319	19.96	23.12	23.92	3.155	3.954	63.63	12.88	0.681	888	0
6/25/2014 21:00	69362	15	176	1.824	116	9.61	4.126	122.1	4.329	3.727	147.6	6.093	20.07	22.34	23.8	2.27	3.734	63.77	13.01	0.735	889	0
6/25/2014 21:15	69363	15	176	2.487	104	9.88	4.566	104.8	5.977	4.895	125.8	8.33	20.55	21.49	23.65	0.947	3.102	61.77	12.97	1.048	889	0
6/25/2014 21:30	69364	15	176	2.585	100	10.88	4.451	100.3	6.108	7.252	111.1	4.246	20.7	21.27	23.49	0.571	2.798	61.13	12.96	1.203	889	0
6/25/2014 21:45	69365	15	176	2.649	108.7	10.55	4.396	105.5	6.087	8.15	108	1.793	21.11	21.59	23.53	0.481	2.422	59.71	12.98	1.185	889	0
6/25/2014 22:00	69366	15	176	2.828	105.7	11.27	4.713	104.5	6.343	8.7	113.1	1.874	20.92	21.38	23.29	0.466	2.375	60.85	13.09	1.318	889	0
6/25/2014 22:15	69367	15	176	2.467	116.2	11.07	4.27	112.9	6.535	8.51	114.5	1.843	20.64	21.09	22.25	0.451	1.61	64.06	13.62	1.36	889	0
6/25/2014 22:30	69368	15	176	2.924	120.5	11.84	4.842	116.5	6.294	9.04	115.4	2.571	20.8	21.19	22.18	0.393	1.379	67.45	14.57	1.587	889	0
6/25/2014 22:45	69369	15	176	3.662	118.3	11.6	5.513	114.7	7.108	9.73	115	2.853	21.23	21.48	22.01	0.257	0.778	70.74	15.72	1.628	889	0
6/25/2014 23:00	69370	15	176	3.411	123.3	11.49	5.42	118.8	7.378	8.64	116.7	3.982	21.32	21.56	21.7	0.242	0.385	75.02	16.73	1.418	889	0
6/25/2014 23:15	69371	15	176	3.368	128	12.13	5.138	123.4	7.925	8.07	119.9	5.276	21.46	21.72	21.81	0.261	0.355	74.67	16.79	1.337	889	0
6/25/2014 23:30	69372	15	176	3.333	134.9	12.65	5.059	131.2	8.08	7.904	127.2	5.057	21.42	21.72	21.8	0.301	0.379	72.79	16.35	1.37	889	0
6/25/2014 23:45	69373	15	176	3.501	133.6	11.96	5.372	129.6	7.871	8.45	127.2	5.055	21.46	21.75	21.81	0.293	0.347	72.05	16.23	1.377	889	0
6/26/2014 0:00	69374	15	177	3.937	133.1	11.28	5.848	128.4	7.636	8.71	127.5	5.165	21.53	21.79	21.86	0.261	0.334	71.28	16.13	1.344	889	0
6/26/2014 0:15	69375	15	177	3.925	133.9	11.76	5.787	130.5	7.547	8.78	130	4.938	21.57	21.83	21.94	0.26	0.372	70.41	15.97	1.706	889	0
6/26/2014 0:30	69376	15	177	3.864	140	11.93	6.047	135.9	7.857	9.07	134.1	4.949	21.68	21.97	22.05	0.283	0.371	69.73	15.93	1.551	889	0
6/26/2014 0:45	69377	15	177	3.496	139.8	11.9	5.321	134	7.354	8.39	133.7	4.811	21.63	21.93	22.04	0.294	0.404	70.41	16.03	1.442	889	0
6/26/2014 1:00	69378	15	177	3.449	143.8	12.71	5.37	137.4	7.802	8.51	136.2	5.083	21.5	21.8	21.92	0.295	0.42	71.76	16.21	1.506	889	0
6/26/2014 1:15	69379	15	177	3.712	146.4	12.25	5.721	141.6	7.448	8.69	139.5	5.046	21.56	21.82	21.86	0.254	0.294	72.94	16.52	1.494	888	0
6/26/2014 1:30	69380	15	177	4.087	146.9	11.88	6.234	142	7.819	9.23	139.1	5.009	21.75	21.98	21.93	0.23	0.183	74.22	16.98	1.695	888	0
6/26/2014 1:45	69381	15	177	4.152	145.4	12.33	6.163	140.2	8.39	9.13	138	5.334	21.68	21.89	21.83	0.212	0.153	75.67	17.21	1.496	888	0
6/26/2014 2:00	69382	15	177	3.938	148.7	12.17	6.054	143.1	7.407	8.69	141.1	5.201	21.41	21.64	21.54	0.227	0.128	77.85	17.4	1.383	888	0
6/26/2014 2:15	69383	15	177	3.525	152.5	13.12	5.621	146.7	8.29	8.27	144.9	6.009	21.21	21.46	21.39	0.248	0.178	79.89	17.62	1.242	888	0
6/26/2014 2:30	69384	15	177	2.785	174.5	15.45	4.134	170.3	12.23	6.306	163.2	10.13	20.95	21.25	21.19	0.303	0.244	81.6	17.69	1.256	888	0
6/26/2014 2:45	69385	15	177	2.157	201	11.56	3.384	196.5	7.175	4.987	185.8	6.104	20.46	20.87	20.81	0.416	0.351	83.4	17.57	0.939	888	0
6/26/2014 3:00	69386	15	177	1.337	183	9.59	2.594	183.6	6.845	4.571	181.4	4.342	19.62	20.32	20.5	0.692	0.878	86.1	17.25	0.775	888	0
6/26/2014 3:15	69387	15	177	1.168	152.8	23.74	2.495	163.9	13.68	4.313	169.4	8.98	18.82	19.97	20.34	1.148	1.52	89.1	17.01	0.819	888	0
6/26/2014 3:30	69388	15	177	1.354	166	28.24	2.834	157.9	15.92	4.657	157.6	8.8	18.55	19.72	20.13	1.168	1.579	91	17.07	0.995	888	0
6/26/2014 3:45	69389	15	177	1.022	167.4	18.35	2.49	164	7.735	4.433	161	4.011	18.24	19.4	19.87	1.159	1.632	91.9	16.91	1.043	888	0
6/26/2014 4:00	69390	15	177	0.839	199.4	49.79	2.063	166.1	16.56	3.94	161.9	9	17.94	19.14	19.67	1.199	1.726	92.9	16.79	0.885	888	0
6/26/2014 4:15	69391	15	177	0.734	182.5	55.79	1.902	189.2	13.41	3.735	174.2	7.537	17.58	19.01	19.4	1.429	1.823	93.2	16.48	0.721	888	0
6/26/2014 4:30	69392	15	177	1.115	125.4	13.98	2.479	158.6	3.435	4.242	162.8	3.48	16.8	18.82	19.23	2.013	2.427	94.7	15.96	0.835	888	0
6/26/2014 4:45	69393	15	177	1.232	147.1	12.76	3.002	156.6	3.169	4.51	163.9	2.39	17.08	18.54	19.19	1.466	2.118	95.8	16.42	1.372	888	0
6/26/2014 5:00	69394	15	177	1.194	140.2	9.84	2.682	146.1	6.299	4.988	152.6	4.748	17.49	18.4	19.04	0.908	1.548	95.7	16.81	3.744	888	0
6/26/2014 5:15	69395	15	177	1.168	126	12.62	2.631	127.3	7.795	5.613	140	2.968	17.41	18	19.09	0.59	1.681	96	16.78	15.8	888	0
6/26/2014 5:30	69396	15	177	1.347	110	16.06	2.439	113.7	9.81	5.19	126.7	5.507	18.21	18.42	18.93	0.209	0.725	95.9	17.56	61.67	888	0
6/26/2014 5:45	69397	15	177	1.137	102.3	23.04	1.783	106.2	14.36	4.103	116.2	5.19	18.78	18.69	18.61	-0.096	-0.176	94.9	17.97	112.5	888	0
6/26/2014 6:00	69398	15	177	2.183	117.7	12.38	3.288	114.2	7.975	5.444	116.9	3.53	19.5	19.26	19.24	-0.238	-0.255	93.2	18.38	173.1	888	0
6/26/2014 6:15	69399	15	177	3.154	121.1	12.65	4.547	117	7.087	6.318	117	4.311	20.41	20.11	19.91	-0.301	-0.498	87.8	18.33	251.1	888	0
6/26/2014 6:30	69400	15	177	3.552	130.3	12.69	5.079	125.3	6.62	6.213	123.2	4.108	21.3	20.9	20.51	-0.401	-0.795	82	18.13	292.2	888	0
6/26/2014 6:45	69401	15	177	3.857	132.6	11.84	5.426	126	6.554	6.259	121	4.747	22.08	21.59	21.17	-0.496	-0.91	76.92	17.86	346.6	888	0
6/26/2014 7:00	69402	15	177	3.511	140.7	13.96	4.946	135.1	9.9	5.729	135.4	7.861	23.14	22.55	22.06	-0.588	-1.081	70.1	17.39	410.2	888	0
6/26/2014 7:15	69403	15	177	3.566	152.5	12.64	5.113	147.2	8.41	5.957	146.4	6.417	24.13	23.48	22.9	-0.653	-1.238	62.21	16.46	474	888	0
6/26/2014 7:30	69404	15	177	3.903	161.7	12.52	5.519	157.3	8.38	6.248	156.2	7.357	24.79	24.08	23.49	-0.711	-1.299	55.67	15.34	537.8	888	0
6/26/2014 7:45	69405	15	177	4.022	178.2	13.66	5.406	174.3	10.46	6.42	170	8.45	25.46	24.68	24.01	-0.777	-1.45	52.26	14.98	599.9	888	0
6/26/2014 8:00	69406	15	177	4.001	169.4	14.48	5.425	165.8	10.86	6.037	165.1	8.7	25.89	24.92	24.31	-0.979	-1.586	51.88	15.27	661.8	888	0
6/26/2014 8:15	69407	15	177	3.741	168.4	16.18	4.979	164.7	11.93	5.834	162.9	9.09	26.55	25.53	24.78	-1.022	-1.774	50.06	15.31	720.9	888	0
6/26/2014 8:30	69408	15	177	3.639	172	18.63	4.828	167.7	15.03	5.541	165.6	11.86	27.31	26.24	25.45	-1.07	-1.867	46.89	15	775.7	888	0
6/26/2014 8:45	69409	15	177	3.844	176.2	17.5	4.87	169.6	13.69	5.477	164.1	11.91	27.74	26.72	25.96	-1.019	-1.775	44.95	14.73	830	888	0
6/26/2014 9:00	69410	15	177	3.633	181.2	22.86	4.692	175.5	20.65	5.42	173.3	17.88	28.32	27.13	26.38	-1.19	-1.94	42.99	14.55	884	888	0
6/26/2014 9:15	69411	15	177	3.323	191.8	19.01	4.478	186.3	16.52	5.412	182.2	12.78	29.16	27.81	27.02	-1.354	-2.144	40.1	14.24	937	888	0
6/26/2014 9:30	69412	15	177	3.437	184.8	18.86	4.551	176.8	16.29	5.266	170.6	14.32	29.58	28.37	27.56	-1.213	-2.015	38.29	13.9	980	888	0
6/26/2014 9:45	69413	15	177	2.974	181.4	23.8	3.756	176.1	21.01	4.47	169.2	21.4	30.2	28.88	28.12	-1.313	-2.078	36.45	13.69	1019	888	0
6/26/2014 10:00	69414	15	177	3.134	177.5	27.53	4.096	173.3	25.16	4.807	173.5	19.22	30.66	29.36	28.53	-1.304	-2.133	35.29	13.6	1055	887	0
6/26/2014 10:15	69415	15	177	3.211	179.2	18.11	3.979	174.1	15.9	4.492	169.7	15.06	31.08	29.84	28.88	-1.238	-2.198	34.43	13.59	1091	887	0
6/26/2014 10:30	69416	15	177	2.428	169	31.16	3.055	162.8	24.84	3.495	157.7	17.39	31.15	30	29.25	-1.146	-1.898	33.69	13.31	1126	887	0
6/26/2014 10:45	69417	15	177	3.072	180.2	29.13	3.883	175.7	26.75	4.226	170.6	21.61	31.98	30.6	29.72	-1.377	-2.265	32.41	13.44	1158	887	0
6/26/2014 11:00	69418	15	177	2.953	177	31.61	3.854	172.2	29.28	4.306	164.7	24.01	32.67	31.1	30.26	-1.57	-2.416	31.29	13.5	1182	887	0
6/26/2014 11:15	69419	15	177	2.951	169	32.4	3.949	165.9	30.77	4.812	165.9	26.36	33.4	31.81	30.93	-1.595	-2.476	30.19	13.58	1199	887	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/26/2014 11:30	69420	15	177	2.468	166.5	37.11	3.11	162.1	29.94	3.812	167	24.06	33.38	32.05	31.17	-1.326	-2.201	28.65	12.75	1215	886	0
6/26/2014 11:45	69421	15	177	2.31	207.9	43.51	2.89	197.4	39.35	3.49	181.4	30.22	33.65	32.47	31.56	-1.185	-2.094	27.05	12.11	1227	886	0
6/26/2014 12:00	69422	15	177	2.231	208	52.9	2.893	194.5	49.68	3.009	199	46.06	33.87	32.71	32.02	-1.162	-1.854	25.58	11.44	1233	886	0
6/26/2014 12:15	69423	15	177	3.095	158.2	26.41	4.006	153.7	22.86	4.524	150.4	22.27	34.82	33.36	32.47	-1.46	-2.347	25.54	12.22	1228	886	0
6/26/2014 12:30	69424	15	177	2.999	162.5	38.6	3.785	155.7	34.15	4.361	147.2	26.76	35.01	33.56	32.78	-1.444	-2.231	24.42	11.71	1227	885	0
6/26/2014 12:45	69425	15	177	2.78	128.6	28.73	3.586	120.4	25.1	4.43	118.5	19.38	35.82	34.33	33.25	-1.488	-2.573	22.83	11.36	1217	885	0
6/26/2014 13:00	69426	15	177	1.956	182.6	63.52	2.393	171.3	68.67	2.815	177	55.8	35.36	34.34	33.53	-1.02	-1.829	21.97	10.41	1202	885	0
6/26/2014 13:15	69427	15	177	2.626	164.9	37.33	3.523	158.4	32.06	4.006	158.4	27.42	36.16	34.69	33.88	-1.473	-2.279	21.9	11.01	1186	885	0
6/26/2014 13:30	69428	15	177	3.008	199.2	23.32	3.832	197.5	20.18	4.662	193.1	15.39	36.68	35.23	34.28	-1.45	-2.408	20.68	10.59	1159	884	0
6/26/2014 13:45	69429	15	177	2.651	217.3	48.32	3.225	210.2	39.52	3.6	199.8	27.05	36.25	35.17	34.29	-1.077	-1.959	19.93	9.67	1146	884	0
6/26/2014 14:00	69430	15	177	2.868	179.7	46.75	3.634	175.8	40.88	4.025	163.6	34.71	36.34	35.19	34.33	-1.151	-2.014	20.35	10.07	1112	884	0
6/26/2014 14:15	69431	15	177	2.315	173.7	76.72	2.915	179	73.46	3.237	164.6	62.37	36.56	35.38	34.55	-1.181	-2.01	20.12	10.07	1082	883	0
6/26/2014 14:30	69432	15	177	2.367	258.9	72.44	2.83	250.1	66.85	3.356	246.2	47.84	36.69	35.76	34.86	-0.926	-1.826	19.56	9.76	1058	883	0
6/26/2014 14:45	69433	15	177	2.743	187.4	51.65	3.435	181.2	45.3	3.942	178.2	35.25	36.9	35.89	35.12	-1.008	-1.778	18.7	9.25	882	883	0
6/26/2014 15:00	69434	15	177	2.978	180.2	24.82	3.999	175	23.26	4.747	167.2	18.19	36.13	35.43	34.81	-0.703	-1.321	18.56	8.53	333.1	883	0
6/26/2014 15:15	69435	15	177	4.706	199.4	22.92	6.257	193.8	20.01	7.626	190.6	17.7	37.09	35.71	34.7	-1.377	-2.388	19.16	9.77	1026	883	0
6/26/2014 15:30	69436	15	177	6.06	191.1	14.96	8.28	186.1	10.45	9.9	182.3	7.915	37.16	35.81	34.75	-1.347	-2.408	18.76	9.52	879	883	0
6/26/2014 15:45	69437	15	177	5.042	188.6	13.82	6.731	183.6	10.08	7.918	178.5	9.14	37.02	35.84	34.93	-1.187	-2.092	18.25	9	804	883	0
6/26/2014 16:00	69438	15	177	4.137	181.3	14.79	5.702	177.4	11.62	7.005	171	8.47	36.92	35.73	34.88	-1.189	-2.039	18.17	8.85	742.9	883	0
6/26/2014 16:15	69439	15	177	3.842	167.5	16.59	5.136	164.6	13.84	5.906	163.2	12.06	36.9	35.84	35.1	-1.054	-1.8	17.4	8.19	687	882	0
6/26/2014 16:30	69440	15	177	3.175	163	16.8	4.259	158.2	13.04	5.037	152	11.4	36.82	35.86	35.19	-0.966	-1.633	16.91	7.709	628.9	882	0
6/26/2014 16:45	69441	15	177	3.028	172.1	22.94	3.964	169.8	20.38	4.726	168.6	14.63	36.86	36.05	35.34	-0.802	-1.513	16.45	7.331	563.9	882	0
6/26/2014 17:00	69442	15	177	3.762	174.5	20.68	5.108	170	19.99	6.131	167.1	18.45	36.87	36.15	35.46	-0.718	-1.405	16.17	7.092	498.5	882	0
6/26/2014 17:15	69443	15	177	4.055	176.8	16.47	5.526	170.8	15.78	6.683	165	12.97	36.67	36.13	35.46	-0.542	-1.214	16.56	7.281	427.5	882	0
6/26/2014 17:30	69444	15	177	6.063	162.2	12.38	8.6	157.3	8.97	10.2	152.5	6.309	35.43	34.92	34.26	-0.512	-1.176	25.38	12.33	357.2	882	0
6/26/2014 17:45	69445	15	177	6.405	161.3	12.6	9.33	156.3	8.92	11.54	152.2	6.059	34.44	34.02	33.37	-0.425	-1.073	30.82	14.79	284.4	882	0
6/26/2014 18:00	69446	15	177	6.386	154.8	12.75	9.31	149.8	9.53	11.89	144.7	7.871	33.8	33.52	32.94	-0.28	-0.865	32.01	14.82	219.1	882	0
6/26/2014 18:15	69447	15	177	6.158	151.5	12.67	9.08	145.5	8.24	12.39	141.7	5.484	33.16	32.99	32.48	-0.169	-0.689	33.03	14.76	162.3	882	0
6/26/2014 18:30	69448	15	177	6.496	145.2	13.7	9.58	140.1	9.25	12.63	135.8	6.624	32.5	32.42	31.96	-0.087	-0.544	35.28	15.2	106.6	882	0
6/26/2014 18:45	69449	15	177	6.165	143.9	12.71	9.03	139	8.4	12.36	135.8	5.812	31.89	31.88	31.51	-0.014	-0.38	37.92	15.79	56.42	882	0
6/26/2014 19:00	69450	15	177	6.406	142.7	13.56	9.31	138.2	9.67	12.39	134	6.374	31.66	31.71	31.42	0.055	-0.234	38.33	15.76	19.81	882	0
6/26/2014 19:15	69451	15	177	6.649	142.5	11.16	9.65	138.4	7.898	12.74	135.3	5.221	31.4	31.51	31.28	0.111	-0.118	39	15.8	5.312	882	0
6/26/2014 19:30	69452	15	177	5.524	148.6	12.92	8.16	143.1	8.32	11.17	138.2	6.107	31.14	31.32	31.14	0.177	-0.006	39.18	15.64	2.073	882	0
6/26/2014 19:45	69453	15	177	5.448	144.9	12.61	7.943	140.1	8.12	10.94	136.9	5.759	30.89	31.09	30.94	0.203	0.051	37.14	14.59	1.699	882	0
6/26/2014 20:00	69454	15	177	6.418	148.5	11.91	9.54	143.8	7.321	12.96	139.9	4.975	30.63	30.81	30.62	0.177	-0.016	35.28	13.57	1.991	882	0
6/26/2014 20:15	69455	15	177	6.196	148.7	12.47	9.18	143.4	7.657	12.36	140.6	5.446	29.96	30.12	29.91	0.163	-0.047	37.77	14.01	1.609	883	0
6/26/2014 20:30	69456	15	177	6.29	150.7	13.22	9.31	145.5	7.714	12.35	142.3	5.951	29.5	29.66	29.43	0.157	-0.071	41.51	15.08	1.745	883	0
6/26/2014 20:45	69457	15	177	6.406	149.8	11.94	9.62	145.4	7.217	12.76	142	5.371	29.05	29.19	28.94	0.137	-0.113	44.57	15.78	1.753	883	0
6/26/2014 21:00	69458	15	177	6.299	150.4	11.53	9.59	145.4	8.05	13.38	141.7	5.449	28.45	28.59	28.36	0.134	-0.094	46.86	16.02	1.785	883	0
6/26/2014 21:15	69459	15	177	6.432	150.8	12.45	9.63	145.7	8.18	13.08	142.9	5.518	27.97	28.09	27.84	0.114	-0.131	48.17	16.02	1.958	883	0
6/26/2014 21:30	69460	15	177	6.675	149.2	12.82	10.02	144.4	8.04	13.14	141.1	5.973	27.65	27.77	27.53	0.118	-0.128	48.83	15.94	2.008	883	0
6/26/2014 21:45	69461	15	177	6.515	148.8	11.86	9.6	144	8.02	12.96	141.4	5.216	27.27	27.39	27.16	0.126	-0.11	49.9	15.92	1.954	883	0
6/26/2014 22:00	69462	15	177	6.428	148.8	12.74	9.75	145	8.25	13.13	141.3	5.602	26.91	27.03	26.79	0.118	-0.115	51.26	16.02	1.938	883	0
6/26/2014 22:15	69463	15	177	6.344	152.3	12.99	9.53	147.4	8.1	12.95	143.6	5.909	26.59	26.7	26.45	0.112	-0.135	52.87	16.21	1.92	883	0
6/26/2014 22:30	69464	15	177	6.344	153.7	12.26	9.31	148.2	8.35	12.92	144.9	5.704	26.32	26.4	26.16	0.084	-0.159	54.48	16.43	2.05	883	0
6/26/2014 22:45	69465	15	177	6.727	159.8	12.58	9.93	154.4	8.48	13.12	150.6	5.67	26.22	26.28	26.01	0.063	-0.216	55.26	16.56	1.875	884	0
6/26/2014 23:00	69466	15	177	6.901	157	11.87	9.99	152.9	7.493	12.85	149.4	5.639	25.95	26.02	25.72	0.065	-0.232	56.23	16.58	1.953	884	0
6/26/2014 23:15	69467	15	177	6.432	153.9	11.7	9.45	149	7.847	12.84	145.4	5.854	25.56	25.64	25.38	0.08	-0.181	57.94	16.69	1.99	883	0
6/26/2014 23:30	69468	15	177	5.693	148.6	12.57	8.47	144	7.687	11.37	142.2	5.972	25.26	25.36	25.11	0.098	-0.151	59.19	16.74	1.776	883	0
6/26/2014 23:45	69469	15	177	5.677	150.5	12.12	8.48	145.1	7.964	11.71	141.9	6.134	25.08	25.17	24.92	0.09	-0.152	60.14	16.82	1.742	883	0
6/27/2014 0:00	69470	15	178	5.225	150.8	12.31	7.765	145.7	7.702	10.49	141.4	5.363	24.83	24.94	24.68	0.102	-0.156	60.99	16.82	1.695	883	0
6/27/2014 0:15	69471	15	178	5.25	149.6	12.92	7.806	143.8	8.22	10.57	140.9	5.955	24.55	24.66	24.41	0.108	-0.135	62.39	16.91	1.747	883	0
6/27/2014 0:30	69472	15	178	4.861	147.4	12.61	7.272	141.7	8.28	10.33	138.9	5.526	24.23	24.36	24.14	0.125	-0.093	63.86	16.98	1.625	883	0
6/27/2014 0:45	69473	15	178	5.147	147.5	12.89	7.659	142.8	7.603	10.22	139.5	5.236	24.05	24.16	23.94	0.114	-0.106	64.87	17.05	1.531	883	0
6/27/2014 1:00	69474	15	178	4.922	146.3	12.29	7.375	142.3	8.12	9.98	138.8	5.762	23.85	23.97	23.74	0.124	-0.106	65.74	17.07	1.56	883	0
6/27/2014 1:15	69475	15	178	5.197	143.2	12.28	7.76	137.7	8.37	10.47	134.8	5.802	23.66	23.78	23.55	0.116	-0.108	66.72	17.13	1.629	883	0
6/27/2014 1:30	69476	15	178	4.612	143.9	12.67	6.918	139	8.13	9.6	136.4	5.482	23.44	23.58	23.4	0.14	-0.045	67.53	17.11	1.619	883	0
6/27/2014 1:45	69477	15	178	4.648	144.4	12.67	6.991	140.5	7.563	9.96	136.9	5.421	23.26	23.42	23.24	0.153	-0.025	68.34	17.13	1.524	883	0
6/27/2014 2:00	69478	15	178	4.592	148.3	12.5	7.11	142.3	7.779	9.8	138.7	5.28	22.97	23.11	22.91	0.141	-0.059	69.89	17.2	1.59	883	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/27/2014 2:15	69479	15	178	4.659	149.9	12.38	7.299	143.9	7.349	10.16	140.3	4.966	22.78	22.93	22.77	0.149	-0.015	70.92	17.25	1.576	883	0
6/27/2014 2:30	69480	15	178	4.852	149.9	12.03	7.261	144.3	7.322	10.35	141.4	4.883	22.65	22.78	22.63	0.136	-0.016	71.28	17.2	1.849	882	0
6/27/2014 2:45	69481	15	178	4.41	152.8	11.69	6.718	146.2	7.329	9.66	143.4	5.096	22.52	22.69	22.62	0.169	0.098	71.4	17.11	1.502	882	0
6/27/2014 3:00	69482	15	178	4.396	151.6	12.09	6.597	147	7.829	9.66	143.2	4.633	22.41	22.59	22.52	0.177	0.11	71.33	16.98	1.483	882	0
6/27/2014 3:15	69483	15	178	4.297	153.1	12.29	6.4	145.8	7.835	9.45	141.7	4.927	22.25	22.42	22.35	0.172	0.098	72.03	16.98	1.437	882	0
6/27/2014 3:30	69484	15	178	3.772	155.4	13.46	5.806	147.9	9.44	9.18	141.8	4.802	22.07	22.28	22.29	0.207	0.215	72.44	16.9	1.63	883	0
6/27/2014 3:45	69485	15	178	3.622	156.2	13.06	5.513	148.6	9.47	8.66	143.3	5.357	22.08	22.27	22.23	0.188	0.151	72.56	16.94	1.462	883	0
6/27/2014 4:00	69486	15	178	3.982	149.3	12.19	6.129	143.4	7.815	8.91	140.4	5.147	22.08	22.26	22.15	0.172	0.064	72.42	16.91	1.464	883	0
6/27/2014 4:15	69487	15	178	4.154	145.6	13.02	6.27	139.6	8.09	9.39	138.9	4.747	22.04	22.2	22.16	0.162	0.123	72.41	16.86	1.59	883	0
6/27/2014 4:30	69488	15	178	3.524	147.1	12.13	5.413	142	7.921	8.28	140.9	4.79	21.85	22.08	22.14	0.232	0.294	73.03	16.81	1.349	883	0
6/27/2014 4:45	69489	15	178	3.784	149.2	11.59	5.954	144.5	7.111	8.37	146.5	5.31	21.96	22.26	22.47	0.298	0.508	72.55	16.82	2.632	883	0
6/27/2014 5:00	69490	15	178	2.903	224.1	53.62	4.161	212.8	50.76	5.332	190.9	43.21	22.23	22.36	22.24	0.126	0.006	71.02	16.75	10.95	883	0
6/27/2014 5:15	69491	15	178	2.944	149.8	14.29	4.443	148.7	11.54	5.981	148.2	7.054	22	22.43	22.52	0.432	0.516	71.22	16.57	31.39	883	0
6/27/2014 5:30	69492	15	178	2.448	152.5	14.34	3.989	148.5	8.52	5.752	151.5	6.34	22.21	22.57	22.83	0.359	0.62	70.74	16.66	66.56	883	0
6/27/2014 5:45	69493	15	178	2.282	163.5	12.31	3.66	155	8.95	5.506	153.5	5.156	22.4	22.73	22.96	0.331	0.559	69.26	16.51	78.79	883	0
6/27/2014 6:00	69494	15	178	2.64	159.4	9.35	4.025	153.9	5.583	6.076	152.7	3.383	22.67	22.84	23.02	0.172	0.35	68.69	16.63	133.5	883	0
6/27/2014 6:15	69495	15	178	3.186	157.1	10.79	4.631	151.1	6.056	6.412	151.8	4.367	23.49	23.43	23.32	-0.062	-0.172	65.08	16.57	198	883	0
6/27/2014 6:30	69496	15	178	3.151	164.4	11.53	4.363	156	7.677	5.608	155	5.906	24.46	24.12	23.66	-0.348	-0.801	61.5	16.6	336.3	883	0
6/27/2014 6:45	69497	15	178	2.942	172	12.95	3.991	165.9	9.36	4.81	166	7.198	25.59	25.05	24.49	-0.537	-1.101	56.42	16.29	436.2	883	0
6/27/2014 7:00	69498	15	178	2.981	176.7	12.87	4.025	172	9.53	4.697	171.1	8.41	26.41	25.92	25.43	-0.488	-0.979	51.31	15.56	417.3	883	0
6/27/2014 7:15	69499	15	178	2.661	178.8	12.4	3.571	174.8	8.64	4.259	169.8	6.271	26.79	26.47	26	-0.315	-0.789	48.56	15.05	341.5	883	0
6/27/2014 7:30	69500	15	178	2.662	185.2	13.76	3.651	179.9	9.86	4.208	174.2	6.9	27.33	27.01	26.5	-0.319	-0.827	45.5	14.54	333.3	883	0
6/27/2014 7:45	69501	15	178	2.363	187.7	11.95	3.257	183.6	8.97	3.955	178.3	6.395	27.45	27.28	26.84	-0.169	-0.609	44.36	14.26	300.7	883	0
6/27/2014 8:00	69502	15	178	3.206	185.2	12.56	4.287	181.7	9.66	4.805	177.3	7.049	28.45	27.83	27.26	-0.623	-1.195	41.36	14.07	587.6	883	0
6/27/2014 8:15	69503	15	178	3.547	183.3	14.08	4.757	179.6	9.85	5.399	180.9	7.821	29.33	28.57	27.91	-0.763	-1.42	38.56	13.78	608.4	883	0
6/27/2014 8:30	69504	15	178	3.27	192	17.75	4.499	186	14.82	5.355	184.5	13.73	29.67	28.86	28.15	-0.813	-1.529	37.07	13.46	718	883	0
6/27/2014 8:45	69505	15	178	3.522	186.5	15.33	4.736	181.1	10.76	5.483	181.2	9.61	30.15	29.48	28.84	-0.664	-1.308	34.22	12.67	535.7	883	0
6/27/2014 9:00	69506	15	178	3.687	218.1	15.26	4.908	214.9	12.55	5.92	211.7	11.9	31.43	30.67	29.94	-0.762	-1.49	27.81	10.59	770.7	883	0
6/27/2014 9:15	69507	15	178	3.373	233.2	17.79	4.569	229.9	16.44	5.691	227.8	13.51	31.92	31.32	30.64	-0.607	-1.282	23.75	8.7	691.5	883	0
6/27/2014 9:30	69508	15	178	3.549	229.1	16.67	4.597	224.5	13.71	5.516	221.4	11.37	33.05	32.1	31.22	-0.953	-1.833	22.85	9.06	1008	883	0
6/27/2014 9:45	69509	15	178	4.425	238.2	16.83	5.886	235.7	12.31	7.066	232.6	10.57	33.8	32.73	31.94	-1.072	-1.866	19.88	7.623	1052	883	0
6/27/2014 10:00	69510	15	178	5.039	242.2	14.47	6.902	239.7	12.06	8.39	237.7	11.5	34.51	33.36	32.46	-1.156	-2.057	17.58	6.419	1047	883	0
6/27/2014 10:15	69511	15	178	4.812	253.5	18.25	6.996	250.6	14.18	8.28	248.1	9.59	34.95	33.66	32.68	-1.29	-2.263	15.82	5.242	1096	883	0
6/27/2014 10:30	69512	15	178	3.973	266	17.56	5.469	262.7	16.1	6.536	257.8	10.45	35.15	33.92	33.02	-1.227	-2.122	15.95	5.525	1121	883	0
6/27/2014 10:45	69513	15	178	4.318	274.3	18.95	6.136	271.3	16.36	7.128	266.9	12.79	35.69	34.36	33.34	-1.332	-2.346	15.61	5.642	1156	883	0
6/27/2014 11:00	69514	15	178	4.1	270.9	19.77	5.693	267.1	17.34	6.471	261.1	14.14	35.69	34.41	33.41	-1.279	-2.273	16.03	6.019	1211	883	0
6/27/2014 11:15	69515	15	178	3.719	249.1	23.27	5.331	245	20.7	6.163	239	16.48	36.02	34.53	33.69	-1.49	-2.337	16.09	6.344	1208	883	0
6/27/2014 11:30	69516	15	178	4.991	247.8	21.74	6.915	247.4	18.55	8.38	246.3	14.85	36.58	35.13	34.15	-1.453	-2.428	14.59	5.36	1195	882	0
6/27/2014 11:45	69517	15	178	5.092	254	20.17	7.227	250.9	16.56	8.28	246.7	13.71	36.98	35.46	34.3	-1.519	-2.682	14.19	5.283	1224	882	0
6/27/2014 12:00	69518	15	178	4.636	261.4	20.78	6.466	258.9	17.74	7.803	250.9	14.86	36.88	35.29	34.27	-1.597	-2.614	14.37	5.39	1252	882	0
6/27/2014 12:15	69519	15	178	4.76	268.9	21.62	6.55	264.7	19.23	7.84	256.1	14.29	37.09	35.55	34.48	-1.543	-2.609	14.59	5.767	1236	882	0
6/27/2014 12:30	69520	15	178	5.068	263.9	15.18	7.347	261.5	10.83	8.53	255.2	8.7	37.36	35.83	34.63	-1.53	-2.73	14.49	5.882	1225	882	0
6/27/2014 12:45	69521	15	178	3.509	257	23.71	4.83	255.5	20.06	5.652	246.6	17.97	36.97	35.55	34.72	-1.417	-2.249	14.56	5.641	1227	882	0
6/27/2014 13:00	69522	15	178	4.144	263.9	26.53	5.97	260.3	22.61	6.841	257.7	17.97	37.66	36.21	35.18	-1.447	-2.474	14.21	5.832	1218	881	0
6/27/2014 13:15	69523	15	178	4.178	245.1	24.9	5.502	243	23.57	6.313	240.6	23.64	37.8	36.14	35.27	-1.662	-2.526	13.99	5.722	1219	881	0
6/27/2014 13:30	69524	15	178	2.93	239.7	28.21	3.899	235.3	20.66	4.733	234.5	18.75	37.63	36.25	35.31	-1.378	-2.324	14.21	5.817	1165	881	0
6/27/2014 13:45	69525	15	178	3.657	240.2	28.55	4.93	237.9	27.6	5.712	229.6	21.34	38.08	36.57	35.69	-1.506	-2.391	13.94	5.887	1167	881	0
6/27/2014 14:00	69526	15	178	3.495	251	22.33	4.824	247.3	18.38	5.592	239.5	13.12	37.95	36.63	35.8	-1.323	-2.149	13.87	5.713	1116	881	0
6/27/2014 14:15	69527	15	178	4.68	239.1	20.45	6.467	237.3	18.54	7.684	231.4	15.19	38.82	37.35	36.26	-1.466	-2.558	13.56	6.065	1101	880	0
6/27/2014 14:30	69528	15	178	5.956	253	18.88	8.36	250.8	15.09	9.79	246.3	12.62	38.81	37.29	36.33	-1.518	-2.477	12.08	4.386	1068	880	0
6/27/2014 14:45	69529	15	178	6.255	246	17.79	8.52	242.8	14.97	10.05	238.3	11.13	38.68	37.28	36.39	-1.397	-2.285	11.79	3.938	1011	880	0
6/27/2014 15:00	69530	15	178	5.466	234.8	23.16	7.677	231.8	21.35	9.19	227	18.53	38.84	37.51	36.51	-1.332	-2.329	11.18	3.311	965	880	0
6/27/2014 15:15	69531	15	178	5.469	254.6	16.84	7.873	252.2	13.78	9.39	247.1	11.44	38.95	37.65	36.66	-1.3	-2.293	9.72	1.424	930	880	0
6/27/2014 15:30	69532	15	178	5.959	262.9	14.79	8.91	261.3	12.25	10.83	256.9	9.16	39	37.79	36.75	-1.213	-2.247	9.03	0.425	873	879	0
6/27/2014 15:45	69533	15	178	5.905	261.7	19.1	8.49	257.3	15.7	10.49	251.4	11.68	38.84	37.74	36.79	-1.092	-2.042	9.33	0.76	823	879	0
6/27/2014 16:00	69534	15	178	5.408	241.1	15.36	7.536	237.7	12.47	9.3	229.5	11.09	38.73	37.74	36.94	-0.984	-1.787	9.24	0.534	757	879	0
6/27/2014 16:15	69535	15	178	5.19	254	14.73	7.78	252.8	12.54	9.33	246.4	12.82	38.74	37.74	36.94	-1.002	-1.803	9	0.16	707.4	879	0
6/27/2014 16:30	69536	15	178	5.533	255.4	17.38	7.936	253	15.34	9.72	248.3	13.23	38.6	37.78	36.93	-0.815	-1.672	8.48	-0.755	645.1	879	0
6/27/2014 16:45	69537	15	178	5.07	254.5	16.96	7.306	251.2	14.1	8.8	247.5	12.82	38.42	37.69	36.98	-0.723	-1.437	7.957	-1.737	582.8	879	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/27/2014 17:00	69538	15	178	5.351	264	14.09	8.42	260.9	11.31	10.58	256.2	7.698	38.44	37.81	37.09	-0.623	-1.348	7.039	-3.438	522.2	879	0
6/27/2014 17:15	69539	15	178	5.678	263.3	12.08	8.97	259.6	9.19	11.08	255.5	6.114	38.09	37.61	36.93	-0.479	-1.161	7.018	-3.708	449.6	879	0
6/27/2014 17:30	69540	15	178	5.399	258.6	13.34	8.19	255.8	9.93	10.18	250.6	7.751	37.84	37.49	36.86	-0.355	-0.982	6.87	-4.162	379.3	879	0
6/27/2014 17:45	69541	15	178	4.934	262.9	12.98	7.881	259.5	10.48	10.13	254.1	6.759	37.41	37.15	36.62	-0.254	-0.789	7.575	-3.154	307.6	879	0
6/27/2014 18:00	69542	15	178	4.99	260.5	12.69	7.692	257	10.55	10.19	251.4	7.991	37.03	36.92	36.47	-0.101	-0.557	7.978	-2.735	237.5	879	0
6/27/2014 18:15	69543	15	178	4.875	251.3	12.72	7.119	249.6	10.4	9.63	244.9	8.61	36.62	36.66	36.28	0.044	-0.334	8.55	-2.096	172	879	0
6/27/2014 18:30	69544	15	178	5.076	244	11.92	7.347	241.2	9.04	9.61	237.2	7.105	36.27	36.45	36.12	0.181	-0.146	8.37	-2.635	115.4	879	0
6/27/2014 18:45	69545	15	178	4.81	243.6	11.79	6.782	242.1	8.08	9.1	239.3	6.76	35.82	36.08	35.82	0.264	0.002	8.96	-2.042	65.65	879	0
6/27/2014 19:00	69546	15	178	4.024	244.5	11.22	5.955	242	8.46	8.51	238.7	5.186	35.24	35.65	35.54	0.41	0.303	9.44	-1.753	27.2	879	0
6/27/2014 19:15	69547	15	178	3.688	238.3	11.71	5.356	236.5	7.541	7.721	234.4	5.112	34.73	35.24	35.26	0.512	0.532	9.56	-1.972	6.769	880	0
6/27/2014 19:30	69548	15	178	2.509	228.6	11.17	3.938	231.9	7.8	6.663	230.7	4.867	33.59	34.43	34.78	0.833	1.184	10.39	-1.699	1.644	880	0
6/27/2014 19:45	69549	15	178	2.405	223.1	11.75	3.759	228.6	8.46	7.352	228	4.108	32.65	33.64	34.44	0.992	1.792	11.16	-1.462	1.243	880	0
6/27/2014 20:00	69550	15	178	1.185	210.1	6.861	2.646	214.4	5.423	6.788	221.7	1.805	30.7	32.44	34.34	1.743	3.634	13.31	-0.538	1.12	880	0
6/27/2014 20:15	69551	15	178	0.701	168.3	6.866	2.042	201.5	5.402	6.53	221.8	2.316	29.66	31.7	34.12	2.035	4.455	14.3	-0.372	1.182	880	0
6/27/2014 20:30	69552	15	178	0.645	163.6	10.72	1.91	199.9	5.542	6.686	217.6	1.986	28.89	30.94	33.7	2.051	4.809	15.17	-0.172	1.225	880	0
6/27/2014 20:45	69553	15	178	0.442	171.4	25.41	1.676	210.4	8.43	6.245	215.6	3.022	27.56	30.51	32.72	2.944	5.155	17.13	0.43	1.102	881	0
6/27/2014 21:00	69554	15	178	0.786	254.2	90.9	1.771	248.1	25.06	5.212	239.1	14.69	26.37	30.15	32.1	3.778	5.733	19.75	1.415	0.964	881	0
6/27/2014 21:15	69555	15	178	0.773	159.5	22.18	2.007	215	12.6	5.02	235.4	7.13	25.57	29.88	32.26	4.315	6.689	20.84	1.496	0.926	881	0
6/27/2014 21:30	69556	15	178	0.578	129.8	23.85	1.895	222	8.28	5.398	237.8	5.514	24.47	29.7	32.56	5.231	8.09	23.49	2.294	0.9	881	0
6/27/2014 21:45	69557	15	178	0.769	168.5	23.92	2.52	225	8.3	5.849	236.2	5.908	24.68	30.06	32.18	5.383	7.507	23.56	2.456	1.128	881	0
6/27/2014 22:00	69558	15	178	0.774	171.9	33.28	2.115	224.1	10.33	5.394	242.2	5.23	25.69	30.01	32.21	4.311	6.517	20.48	1.374	1.098	882	0
6/27/2014 22:15	69559	15	178	1.533	136.7	8.96	2.385	178.2	25.85	4.581	232.2	14.04	24.54	29.54	32.14	4.996	7.595	22.67	1.848	0.923	882	0
6/27/2014 22:30	69560	15	178	1.571	140.4	45.54	2.896	134.3	27.63	3.342	177.6	17.8	25.66	27.35	30.73	1.688	5.067	20.42	1.275	0.936	882	0
6/27/2014 22:45	69561	15	178	1.8	167.3	43.01	3.282	156.2	44.22	6.309	151.6	26.59	25.51	26.56	28.33	1.044	2.819	32.1	7.171	1.281	882	0
6/27/2014 23:00	69562	15	178	3.711	147.3	26.22	5.494	140.5	20.17	8.12	137	6.66	26	26.23	26.06	0.224	0.057	57.63	16.97	1.44	882	0
6/27/2014 23:15	69563	15	178	3.882	146.7	15.08	5.902	140.9	9.61	8.64	137.9	5.68	25.36	25.59	25.47	0.225	0.109	63.83	18.04	1.545	882	0
6/27/2014 23:30	69564	15	178	4.713	147.5	15.74	7.344	140.6	10.14	9.73	136.5	7.772	25.13	25.32	25.14	0.194	0.007	67.14	18.62	1.656	882	0
6/27/2014 23:45	69565	15	178	4.857	137	12.77	7.261	132.1	8.72	10.03	130.9	5.34	24.69	24.86	24.74	0.172	0.052	70.21	18.92	1.753	882	0
6/28/2014 0:00	69566	15	179	5.056	139.6	12.27	7.523	134.5	7.305	10.32	132.1	4.777	24.27	24.43	24.25	0.161	-0.018	72.97	19.13	1.693	882	0
6/28/2014 0:15	69567	15	179	4.895	142.1	11.86	7.387	135.6	7.734	10.38	132.9	4.951	23.92	24.06	23.89	0.147	-0.028	74.89	19.21	1.58	882	0
6/28/2014 0:30	69568	15	179	4.676	137.3	12.24	7.075	132.6	8.03	9.73	130.2	5.224	23.65	23.82	23.64	0.17	-0.008	75.83	19.15	1.648	882	0
6/28/2014 0:45	69569	15	179	4.626	137	12.23	6.82	132.6	7.506	9.4	131	5.113	23.43	23.61	23.46	0.176	0.035	76.25	19.03	1.575	882	0
6/28/2014 1:00	69570	15	179	3.931	137	12.73	5.928	131	8.45	8.68	129.1	6.103	23.22	23.44	23.34	0.217	0.126	76.36	18.85	1.316	882	0
6/28/2014 1:15	69571	15	179	4.14	133.9	12.01	6.013	127.3	7.354	8.74	125.6	4.748	23.01	23.2	23.12	0.191	0.115	77.25	18.82	1.396	882	0
6/28/2014 1:30	69572	15	179	3.563	140.8	11.91	5.449	134	7.989	8.09	130.8	5.332	22.78	23.05	23.05	0.269	0.273	77.59	18.68	1.364	882	0
6/28/2014 1:45	69573	15	179	2.78	148.7	15.25	4.483	140.1	10.02	7.212	135.7	6.008	22.61	22.93	22.96	0.316	0.347	77.52	18.5	1.333	882	0
6/28/2014 2:00	69574	15	179	4.014	143.4	12.99	6.104	138.3	8.08	9.07	135.7	4.712	22.68	22.93	22.92	0.256	0.248	77.27	18.51	1.646	882	0
6/28/2014 2:15	69575	15	179	3.536	145	12.49	5.449	138.5	7.465	7.915	135.5	5.848	22.5	22.8	22.79	0.3	0.289	77.53	18.39	1.387	882	0
6/28/2014 2:30	69576	15	179	3.634	141.1	12.91	5.382	134	7.89	8.22	132	4.855	22.34	22.57	22.58	0.239	0.244	78.46	18.42	1.5	882	0
6/28/2014 2:45	69577	15	179	3.155	143.2	13.16	5.004	137.1	8.01	7.875	134	4.963	22.03	22.34	22.44	0.309	0.407	79.62	18.36	1.354	882	0
6/28/2014 3:00	69578	15	179	3.059	144.5	14.75	4.638	138.4	9.63	7.35	135.7	6.083	21.99	22.27	22.29	0.277	0.301	79.71	18.34	1.184	882	0
6/28/2014 3:15	69579	15	179	3.11	148.4	13.42	5.003	141.3	8.45	7.791	137.7	5.646	21.89	22.18	22.22	0.287	0.33	79.83	18.27	1.256	882	0
6/28/2014 3:30	69580	15	179	3.135	151	12.75	4.945	144.4	8.14	7.4	140.2	5.664	21.77	22.09	22.09	0.32	0.321	80.3	18.25	1.393	882	0
6/28/2014 3:45	69581	15	179	3.019	148.7	13.34	4.907	142.2	8.76	7.939	139	4.549	21.59	21.92	22.05	0.333	0.469	80.8	18.17	1.364	882	0
6/28/2014 4:00	69582	15	179	2.9	141.7	11.75	4.61	135.5	7.486	7.529	136.1	3.728	21.39	21.75	22.08	0.36	0.69	81.4	18.08	1.258	882	0
6/28/2014 4:15	69583	15	179	2.17	145.7	12.4	3.769	137.1	6.884	6.935	135.3	3.102	20.89	21.36	22	0.473	1.115	83.4	17.97	1.223	882	0
6/28/2014 4:30	69584	15	179	1.881	149.5	14.83	3.565	139.5	7.358	6.953	138.6	2.959	20.64	21.2	22.12	0.555	1.481	84.1	17.89	1.374	883	0
6/28/2014 4:45	69585	15	179	1.427	154.2	13.68	2.902	139.9	7.47	6.47	139	2.869	20.24	20.88	22.09	0.636	1.844	85.2	17.69	1.669	883	0
6/28/2014 5:00	69586	15	179	1.464	154	15.86	3.133	139.9	8.42	6.939	141.6	2.918	20.25	20.89	22.31	0.638	2.062	84.7	17.61	6.278	883	0
6/28/2014 5:15	69587	15	179	1.412	149.2	15.96	2.992	134.8	8.22	6.396	145.3	3.335	20.3	20.89	22.78	0.583	2.482	83.5	17.42	24.87	883	0
6/28/2014 5:30	69588	15	179	0.787	168.2	23.38	1.878	136.9	11.34	5.424	147.7	2.931	20.31	20.77	22.96	0.457	2.649	83.3	17.41	64	883	0
6/28/2014 5:45	69589	15	179	0.892	167.9	17.17	1.907	146.4	11.68	5.263	147.5	3.743	20.86	21.18	22.54	0.32	1.682	80.9	17.48	113.5	883	0
6/28/2014 6:00	69590	15	179	0.772	166.2	28.29	1.419	146.5	18.51	4.405	142.5	6.458	21.81	21.79	22.61	-0.015	0.803	75.99	17.4	169.8	883	0
6/28/2014 6:15	69591	15	179	0.995	149.7	16.21	1.486	141.1	13.43	3.46	152.7	6.558	22.83	22.68	23.18	-0.145	0.357	71.47	17.41	231.5	883	0
6/28/2014 6:30	69592	15	179	1.499	175.9	19.81	2.052	170.8	17.68	3.036	167.3	11.62	23.74	23.43	23.18	-0.305	-0.551	66.71	17.19	294.9	884	0
6/28/2014 6:45	69593	15	179	1.427	177.1	13.39	1.772	170	11.14	2.213	163.2	9.81	24.59	24.23	23.78	-0.352	-0.81	61.6	16.74	360.2	884	0
6/28/2014 7:00	69594	15	179	1.677	188.6	16.66	2.048	181.6	12.58	2.23	188	11.68	25.6	25.11	24.67	-0.489	-0.931	55.72	16.1	424.7	884	0
6/28/2014 7:15	69595	15	179	1.635	205.5	17.27	2.073	202.3	14.38	2.383	207.3	12.78	26.73	26.21	25.68	-0.52	-1.047	49.26	15.22	489	884	0
6/28/2014 7:30	69596	15	179	1.767	228.3	16.73	2.089	222.8	13.58	2.274	226.3	11.55	27.38	26.88	26.37	-0.505	-1.007	44.31	14.18	552.7	884	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/28/2014 7:45	69597	15	179	1.794	248.7	24.39	2.144	243.9	21.08	2.377	239.7	15.69	27.96	27.4	26.77	-0.558	-1.188	41.81	13.79	614.8	884	0
6/28/2014 8:00	69598	15	179	1.674	257	29.52	2.074	255.7	24.39	2.312	258.9	18.15	28.37	27.86	27.35	-0.502	-1.015	40.23	13.56	677.3	884	0
6/28/2014 8:15	69599	15	179	1.763	279.1	21.64	2.11	274.9	17.65	2.424	264.5	20.11	29.29	28.69	28.03	-0.602	-1.255	36.27	12.81	735.7	884	0
6/28/2014 8:30	69600	15	179	2.013	289.3	26.81	2.179	286.9	21.78	2.285	282	14.16	30.03	29.44	28.88	-0.591	-1.148	32.19	11.62	792.9	884	0
6/28/2014 8:45	69601	15	179	2.118	287.1	20.22	2.614	286.4	17.67	2.581	282.7	14.04	30.78	30.05	29.45	-0.732	-1.335	29.67	11.05	848	884	0
6/28/2014 9:00	69602	15	179	2.21	285.2	20.14	2.575	281.4	14.96	2.793	277.4	10.12	31.08	30.38	29.77	-0.705	-1.31	28.21	10.56	902	884	0
6/28/2014 9:15	69603	15	179	1.985	286.2	26.27	2.484	283.9	22.96	2.782	280.7	14.29	31.86	31.09	30.48	-0.77	-1.382	23.95	8.73	953	884	0
6/28/2014 9:30	69604	15	179	2.136	301.3	27.05	2.36	298.1	23.81	2.6	293.3	21.34	32.23	31.7	30.99	-0.53	-1.242	21.33	7.312	997	885	0
6/28/2014 9:45	69605	15	179	2.457	314.4	28.91	2.966	316.6	27.04	3.161	311.2	20.17	32.73	31.83	30.97	-0.908	-1.765	21.71	8.03	1036	885	0
6/28/2014 10:00	69606	15	179	3.079	327.9	29.12	4.111	325.8	26.67	4.734	315.4	19.13	33.19	32.05	31.28	-1.138	-1.915	21.99	8.58	1075	885	0
6/28/2014 10:15	69607	15	179	3.134	304.2	26.55	3.582	303.2	24	3.947	297.1	17.85	33.78	32.69	31.96	-1.097	-1.823	18.56	6.593	1115	885	0
6/28/2014 10:30	69608	15	179	3.256	317.7	30.4	3.868	315.4	23.53	4.315	306.2	15.57	34.36	33.27	32.38	-1.09	-1.985	15.55	4.538	1150	885	0
6/28/2014 10:45	69609	15	179	3.093	311.6	25.78	3.393	309.2	23.49	3.955	304.6	19.76	34.56	33.47	32.55	-1.087	-2.011	15.63	4.764	1178	885	0
6/28/2014 11:00	69610	15	179	2.462	322.2	34.3	3.105	321.3	28.18	3.425	312.6	25.71	34.83	33.72	32.94	-1.105	-1.891	15.48	4.836	1199	885	0
6/28/2014 11:15	69611	15	179	2.785	315.8	28.3	3.258	315.7	22.8	3.732	304.2	22.09	35.4	34.17	33.24	-1.234	-2.161	15.22	5.046	1219	885	0
6/28/2014 11:30	69612	15	179	2.917	327.4	37.52	3.718	322.6	28.64	4.249	312	22.76	35.7	34.39	33.4	-1.314	-2.3	15.3	5.363	1234	885	0
6/28/2014 11:45	69613	15	179	1.961	330.4	53.76	2.388	329.9	46.94	2.49	309.4	42.67	35.32	34.25	33.59	-1.066	-1.727	15.06	4.834	1246	885	0
6/28/2014 12:00	69614	15	179	1.678	273.7	55.79	1.785	258.7	50.79	1.757	257.8	52.36	35.25	34.46	33.85	-0.79	-1.4	14.77	4.497	1249	885	0
6/28/2014 12:15	69615	15	179	1.831	340.4	86.1	2.135	300.9	82	2.255	298.1	60.13	35.86	34.87	34.19	-0.994	-1.675	14.27	4.478	1250	884	0
6/28/2014 12:30	69616	15	179	1.845	279	43.46	2.227	271.1	39.15	2.464	284.2	38.41	36.21	35.27	34.6	-0.94	-1.609	13.07	3.505	1247	884	0
6/28/2014 12:45	69617	15	179	2.194	275.9	34.58	2.323	272.8	32.99	2.367	273.1	29.3	36.51	35.57	34.87	-0.935	-1.644	12.53	3.145	1240	884	0
6/28/2014 13:00	69618	15	179	1.885	221.1	65.16	2.295	228.3	57.13	2.941	253.4	61.58	36.84	35.92	35.29	-0.924	-1.549	12.14	2.928	1231	884	0
6/28/2014 13:15	69619	15	179	3.111	219	26.57	3.904	211.7	22.64	4.404	202.6	20.06	37.4	35.84	35.04	-1.561	-2.361	11.14	2.168	1213	884	0
6/28/2014 13:30	69620	15	179	2.181	178.7	52.24	2.687	172.6	45.09	2.947	172.7	29.67	37.41	36.06	35.23	-1.35	-2.184	10.92	1.898	1191	884	0
6/28/2014 13:45	69621	15	179	2.114	238.3	40.02	2.581	231.8	36.73	2.827	217.7	59.87	37.4	36.43	35.5	-0.964	-1.897	10.87	1.823	1167	884	0
6/28/2014 14:00	69622	15	179	2.281	281.4	39.63	2.885	278.7	35.33	2.846	266	30.63	37.46	36.46	35.74	-1.006	-1.72	10.42	1.277	1124	884	0
6/28/2014 14:15	69623	15	179	1.985	237.8	73.45	2.209	238.2	73.14	2.351	229.6	51.24	37.22	36.18	35.7	-1.044	-1.526	10.51	1.222	1098	884	0
6/28/2014 14:30	69624	15	179	2.373	279.5	29.4	2.995	277	26.44	3.473	270.2	20.64	37.92	36.91	36.16	-1.011	-1.762	10.17	1.282	1059	883	0
6/28/2014 14:45	69625	15	179	1.597	284.6	61.8	2.077	283.4	49.65	2.396	283.3	36.86	37.39	36.73	36.11	-0.666	-1.288	10.39	1.189	1010	883	0
6/28/2014 15:00	69626	15	179	2.29	261.9	59.34	2.826	260.4	54.69	3.474	259.4	46.32	38.05	37.17	36.38	-0.882	-1.673	10.14	1.345	969	883	0
6/28/2014 15:15	69627	15	179	2.608	208.1	33.36	3.237	201.7	29.91	3.497	194.9	27.28	38.13	36.76	36.13	-1.372	-2.002	9.95	1.134	921	883	0
6/28/2014 15:30	69628	15	179	1.926	10.87	50.73	2.54	6.949	50.23	2.583	357.3	43.19	37.94	37.08	36.33	-0.856	-1.607	10.23	1.382	869	883	0
6/28/2014 15:45	69629	15	179	1.549	28.01	56.52	1.851	13.12	59.62	2.53	1.349	76.57	37.95	37.35	36.78	-0.599	-1.172	10.41	1.639	816	883	0
6/28/2014 16:00	69630	15	179	2.562	158.6	28.57	3.38	150.9	29.45	4.232	144.8	30.3	39.07	37.96	36.97	-1.108	-2.099	10	1.913	758.1	883	0
6/28/2014 16:15	69631	15	179	1.868	112.3	56.25	2.276	108.8	51.79	2.643	106.4	52.13	37.99	37.33	36.71	-0.658	-1.284	10.28	1.487	697.5	883	0
6/28/2014 16:30	69632	15	179	2.505	205.8	56.92	2.924	196.4	50.65	3.448	194	33.94	38.31	37.58	36.9	-0.726	-1.412	10.07	1.441	636.1	882	0
6/28/2014 16:45	69633	15	179	2.593	163.9	25.56	3.444	160	23.29	3.986	161.7	19.68	38.54	37.67	36.93	-0.87	-1.613	10.06	1.597	567.5	882	0
6/28/2014 17:00	69634	15	179	2.738	172.4	14.33	3.536	170.7	13.93	4.241	173.8	14.6	38.34	37.55	36.93	-0.783	-1.41	9.78	1.058	503.4	882	0
6/28/2014 17:15	69635	15	179	2.528	190.3	30.42	3.142	189.1	23.27	3.683	194	13.68	38.06	37.54	36.98	-0.527	-1.086	9.73	0.785	439.6	882	0
6/28/2014 17:30	69636	15	179	2.644	190.6	22.42	3.538	185.4	19.62	4.355	179.1	15.48	38.21	37.65	37.05	-0.569	-1.169	9.91	1.148	373.4	882	0
6/28/2014 17:45	69637	15	179	1.961	198	16.89	2.617	191	14.07	3.03	184.3	14.7	37.86	37.51	37.02	-0.354	-0.846	9.98	0.977	303.7	882	0
6/28/2014 18:00	69638	15	179	2.652	196.3	24.04	3.745	192.2	19.79	4.419	189.9	18.03	37.76	37.54	37.08	-0.217	-0.683	10	0.93	239.4	882	0
6/28/2014 18:15	69639	15	179	2.142	186.1	17.58	3.046	182.8	15.98	3.651	182	13.19	37.46	37.46	37.03	0.007	-0.422	10.14	0.897	177.4	882	0
6/28/2014 18:30	69640	15	179	1.692	200.5	15.91	2.657	198.2	12.82	3.667	197.3	10.42	36.88	37.27	37	0.384	0.118	10.91	1.473	118.1	883	0
6/28/2014 18:45	69641	15	179	1.402	203.7	14.79	2.469	204.4	8.02	3.52	203.5	7.2	36.03	36.92	36.89	0.893	0.854	11.74	1.852	65.13	883	0
6/28/2014 19:00	69642	15	179	1.138	196	13.81	2.521	204.7	8.25	4.438	202.1	4.417	34.58	36.32	36.78	1.741	2.204	13.55	2.745	25.29	883	0
6/28/2014 19:15	69643	15	179	1.427	201.6	8.91	3.07	201.9	5.674	5.995	203.8	2.822	33.71	35.64	36.45	1.924	2.737	13.74	2.264	6.021	883	0
6/28/2014 19:30	69644	15	179	1.081	209.5	12.51	2.801	210	5.858	6.35	210.9	4.154	32.99	34.97	36.45	1.981	3.454	14.22	2.177	1.692	883	0
6/28/2014 19:45	69645	15	179	0.911	153.8	17.1	2.448	187.2	9.78	5.466	202	2.628	31.03	34.1	35.81	3.071	4.777	16.53	2.698	1.042	883	0
6/28/2014 20:00	69646	15	179	0.762	128.3	6.878	2.782	165.8	10.42	5.241	201.6	1.961	29.32	33.31	36.07	3.992	6.747	19.69	3.823	0.814	884	0
6/28/2014 20:15	69647	15	179	1.418	131	8.7	3.868	143.5	3.305	5.246	185.4	5.622	28.42	32.45	35.32	4.028	6.896	21.18	4.131	1.051	884	0
6/28/2014 20:30	69648	15	179	1.918	135.9	8.29	4.137	143.2	3.858	6.301	180.9	2.353	29.45	31.98	35.26	2.529	5.812	19	3.423	1.16	884	0
6/28/2014 20:45	69649	15	179	1.813	132.5	7.76	4.195	140.9	3.114	6.647	178.3	2.435	28.57	31.42	34.96	2.85	6.385	19.85	3.336	1.156	884	0
6/28/2014 21:00	69650	15	179	1.945	135.4	9.41	4.313	141.7	3.819	7.137	176.2	3.038	28.69	31.14	33.97	2.459	5.288	19.7	3.317	1.255	884	0
6/28/2014 21:15	69651	15	179	1.489	142.8	11.64	3.911	145.6	4.213	7.622	177.8	2.446	28.26	30.46	33.59	2.203	5.329	20.24	3.346	1.293	885	0
6/28/2014 21:30	69652	15	179	1.422	142.4	10.76	3.776	145.9	3.986	8.02	175.8	2.6	27.66	30.09	33.5	2.421	5.833	21.63	3.801	1.3	885	0
6/28/2014 21:45	69653	15	179	1.41	143.7	15.79	3.777	140.3	3.99	7.655	170.4	3.867	27.36	29.56	32.9	2.2	5.536	22.5	4.113	1.259	885	0
6/28/2014 22:00	69654	15	179	2.972	126.5	16.8	5.343	121	10.9	8.78	132.2	15.7	28.32	29.29	31.51	0.974	3.187	23.82	5.657	1.229	885	0
6/28/2014 22:15	69655	15	179	4.295	134.5	13.34	6.893	128.7	8.66	10.39	129	5.063	28.56	28.93	29.07	0.367	0.516	41.59	14.02	1.689	885	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/28/2014 22:30	69656	15	179	4.86	143.1	12.34	7.348	138.5	8.06	10.42	135.5	5.258	28.08	28.28	28.14	0.194	0.061	53.22	17.69	1.715	885	0
6/28/2014 22:45	69657	15	179	4.353	146.6	11.84	6.688	141.5	7.986	9.41	138	5.088	27.55	27.75	27.6	0.208	0.048	56.51	18.15	1.404	885	0
6/28/2014 23:00	69658	15	179	4.781	147.4	12.55	7.034	142.5	7.81	9.85	138.5	5.539	27.15	27.32	27.13	0.172	-0.014	58.74	18.39	1.591	885	0
6/28/2014 23:15	69659	15	179	4.785	147.6	12.05	7.306	142.3	7.384	10.1	138.6	5.45	26.77	26.94	26.73	0.167	-0.036	60.79	18.59	1.548	886	0
6/28/2014 23:30	69660	15	179	4.81	149.3	12.5	7.435	143.1	7.507	9.97	138.7	5.193	26.41	26.58	26.37	0.173	-0.042	62.71	18.74	1.637	886	0
6/28/2014 23:45	69661	15	179	4.534	149.2	12.13	6.953	143.2	7.739	9.6	139.4	5.656	26.01	26.18	25.99	0.167	-0.021	64.88	18.91	1.621	886	0
6/29/2014 0:00	69662	15	180	4.894	147.7	11.64	7.264	142.2	7.436	9.87	138.6	4.939	25.75	25.9	25.69	0.154	-0.058	66.74	19.11	1.669	886	0
6/29/2014 0:15	69663	15	180	4.82	147.7	12.85	7.259	141.8	7.726	10.2	138.4	5.35	25.43	25.58	25.38	0.153	-0.045	68.19	19.15	1.831	886	0
6/29/2014 0:30	69664	15	180	4.592	146.2	12.13	7.129	139.8	7.45	9.84	136.1	4.983	25.09	25.25	25.07	0.168	-0.011	69.65	19.17	1.553	886	0
6/29/2014 0:45	69665	15	180	4.409	143.9	12.52	6.682	138.3	8.19	9.37	135.1	5.06	24.77	24.95	24.79	0.174	0.016	70.79	19.13	1.574	886	0
6/29/2014 1:00	69666	15	180	4.161	147.1	11.58	6.273	141.7	7.035	8.75	137.2	5.084	24.51	24.69	24.53	0.185	0.022	71.56	19.05	1.477	885	0
6/29/2014 1:15	69667	15	180	3.892	141.9	11.93	5.844	136.4	7.56	8	132.4	5.35	24.24	24.45	24.28	0.206	0.044	72.3	18.95	1.388	885	0
6/29/2014 1:30	69668	15	180	4.102	135.9	13.56	6.193	130.8	9.22	8.87	127.9	6.337	24.05	24.24	24.1	0.189	0.045	72.85	18.89	1.488	885	0
6/29/2014 1:45	69669	15	180	4.332	130.8	11.9	6.531	125.8	7.996	9.46	124.1	4.856	23.88	24.07	23.99	0.188	0.108	73.25	18.82	1.668	885	0
6/29/2014 2:00	69670	15	180	4.51	131.9	12.69	6.795	126.7	7.475	9.6	123.7	4.981	23.73	23.93	23.86	0.204	0.124	73.6	18.75	1.439	885	0
6/29/2014 2:15	69671	15	180	4.261	137.1	11.74	6.309	130.7	7.689	9.29	126.9	4.891	23.57	23.77	23.73	0.207	0.163	73.99	18.68	1.549	885	0
6/29/2014 2:30	69672	15	180	4.573	138	11.3	6.727	131	7.034	9.59	127.7	4.585	23.55	23.75	23.71	0.205	0.16	73.86	18.63	1.528	886	0
6/29/2014 2:45	69673	15	180	4.242	134.9	12.27	6.363	129.2	7.245	9.19	125.3	4.951	23.42	23.64	23.59	0.217	0.165	73.89	18.52	1.419	886	0
6/29/2014 3:00	69674	15	180	4.128	135.5	10.95	6.096	128.8	7.333	9	125.4	4.665	23.29	23.52	23.51	0.235	0.221	74.08	18.43	1.494	886	0
6/29/2014 3:15	69675	15	180	4.15	137.2	11.58	6.25	130.7	7.972	9.25	127.4	4.275	23.25	23.5	23.51	0.249	0.253	73.87	18.35	1.544	886	0
6/29/2014 3:30	69676	15	180	4.114	138.1	11.88	6.272	132	7.634	9.21	128.2	4.669	23.2	23.47	23.49	0.269	0.294	73.53	18.22	1.511	886	0
6/29/2014 3:45	69677	15	180	4.019	139.9	11.68	5.969	134.6	7.644	8.76	130.4	5.226	23.19	23.44	23.44	0.252	0.248	73.12	18.13	1.328	886	0
6/29/2014 4:00	69678	15	180	3.76	142.4	12.25	5.705	136.7	7.858	8.51	133.2	5.328	23.1	23.38	23.39	0.281	0.288	72.82	17.97	1.44	886	0
6/29/2014 4:15	69679	15	180	3.547	144.1	13.02	5.622	137.6	7.754	8.57	134.1	4.811	22.98	23.3	23.37	0.321	0.389	72.76	17.85	1.628	886	0
6/29/2014 4:30	69680	15	180	3.616	144.6	11.78	5.501	137.5	7.877	8.45	134.6	4.725	22.93	23.24	23.33	0.311	0.392	72.56	17.76	1.489	887	0
6/29/2014 4:45	69681	15	180	3.153	145.7	11.9	5.071	141.4	7.125	8.11	136.9	4.402	22.68	23.06	23.26	0.383	0.584	72.88	17.58	1.923	887	0
6/29/2014 5:00	69682	15	180	3.348	147.7	12.04	5.306	142.6	7.575	8.26	139.1	4.193	22.63	22.98	23.14	0.349	0.516	72.86	17.53	6.307	887	0
6/29/2014 5:15	69683	15	180	3.305	144.6	12.51	5.287	139.2	7.858	8.3	136.5	5.017	22.6	22.92	23.07	0.323	0.466	72.58	17.44	23.81	887	0
6/29/2014 5:30	69684	15	180	3.38	144.7	12.34	5.092	137.6	7.904	8.18	135.1	4.812	22.79	22.98	23.09	0.187	0.299	71.6	17.41	60.5	887	0
6/29/2014 5:45	69685	15	180	2.926	142.2	13.26	4.547	136.1	8.29	7.344	134.5	4.874	23.14	23.25	23.27	0.105	0.127	70.45	17.49	109.8	887	0
6/29/2014 6:00	69686	15	180	2.917	140.5	12.45	4.409	134.5	8.6	6.648	132.9	5.84	23.68	23.64	23.48	-0.049	-0.208	68.45	17.55	166.1	887	0
6/29/2014 6:15	69687	15	180	2.981	145.4	13.04	4.411	140.7	8.81	6.359	137.8	6.025	24.45	24.27	23.95	-0.178	-0.493	65.73	17.63	226.3	887	0
6/29/2014 6:30	69688	15	180	3.334	150.4	13.05	4.994	144.3	7.832	6.25	139.8	5.802	25.24	24.93	24.48	-0.316	-0.763	62.56	17.61	288.8	887	0
6/29/2014 6:45	69689	15	180	3.33	155.2	13.99	4.829	149.1	9.36	5.892	143.7	6.478	25.89	25.43	24.85	-0.462	-1.033	60.24	17.61	353.4	888	0
6/29/2014 7:00	69690	15	180	3.634	157.6	13.33	5.095	151.4	8.77	5.954	146.5	6.551	26.38	25.81	25.23	-0.575	-1.153	58.23	17.54	417.3	888	0
6/29/2014 7:15	69691	15	180	3.154	159.5	14.16	4.393	154.1	9.05	5.171	150.2	6.931	27.03	26.33	25.67	-0.705	-1.366	56.16	17.57	481	888	0
6/29/2014 7:30	69692	15	180	3.023	169.5	14.46	4.173	162.7	9.62	4.762	160	7.304	27.72	26.84	26.18	-0.882	-1.541	53.22	17.35	544.6	888	0
6/29/2014 7:45	69693	15	180	2.895	173.5	17.35	3.725	170.5	13.64	4.279	164.4	9.04	28.37	27.46	26.75	-0.911	-1.621	50.71	17.19	608.5	888	0
6/29/2014 8:00	69694	15	180	3.077	162.2	15.53	4.029	158.3	10.95	4.663	155.2	7.06	29.16	28.12	27.39	-1.037	-1.774	46.84	16.66	673.2	888	0
6/29/2014 8:15	69695	15	180	3.318	167.9	13.89	4.237	162.9	8.28	4.785	158.6	6.892	29.84	28.86	28.14	-0.986	-1.706	42.28	15.67	733.6	888	0
6/29/2014 8:30	69696	15	180	2.997	171.6	19.24	3.786	164.8	17.26	4.496	163.5	10.42	30.94	29.91	29.1	-1.028	-1.843	37.05	14.58	791.1	888	0
6/29/2014 8:45	69697	15	180	2.856	173.8	19.98	3.707	169.6	16.82	4.323	167	12.29	31.78	30.6	29.76	-1.181	-2.024	33.07	13.57	848	888	0
6/29/2014 9:00	69698	15	180	2.541	177.8	20.37	3.244	170.2	15.81	3.616	168.2	12.4	32.53	31.34	30.49	-1.194	-2.047	30.37	12.92	903	887	0
6/29/2014 9:15	69699	15	180	2.166	157.9	26.37	2.79	155.6	24.01	3.221	149.6	18.73	32.98	31.96	31.12	-1.013	-1.855	27.65	11.87	955	887	0
6/29/2014 9:30	69700	15	180	2.118	170.9	29.64	2.754	161.1	23.2	3.321	155.5	20.14	33.43	32.54	31.74	-0.89	-1.695	26.53	11.63	1000	887	0
6/29/2014 9:45	69701	15	180	2.388	159.2	23.46	2.986	153.2	20.88	3.425	153.3	19.54	34.29	33.08	32.27	-1.21	-2.013	24.29	11.02	1044	887	0
6/29/2014 10:00	69702	15	180	2.256	164.9	48.16	2.798	157.2	34.91	3.396	148.5	30.1	34.59	33.37	32.7	-1.218	-1.885	22.88	10.37	1084	887	0
6/29/2014 10:15	69703	15	180	1.959	152.1	45.18	2.394	145.6	35.17	2.699	131.6	36.01	35.14	34.01	33.32	-1.131	-1.822	21.42	9.84	1124	887	0
6/29/2014 10:30	69704	15	180	2.153	185.1	40.61	2.623	179.1	38.07	3.064	179.8	31.4	35.99	34.79	34.02	-1.204	-1.97	19.81	9.36	1157	887	0
6/29/2014 10:45	69705	15	180	1.91	198.9	60.15	2.285	190	44.95	2.773	177	34.52	36.28	35.25	34.51	-1.035	-1.778	18.25	8.4	1184	887	0
6/29/2014 11:00	69706	15	180	1.574	154.3	58.84	1.83	153.2	58.96	2.12	166.5	50.94	36.5	35.57	34.9	-0.93	-1.595	17.23	7.714	1210	887	0
6/29/2014 11:15	69707	15	180	1.681	99.1	82.4	1.942	86.1	90.3	2.027	146.8	64.86	37.02	36.13	35.36	-0.888	-1.66	16.33	7.357	1226	887	0
6/29/2014 11:30	69708	15	180	1.608	52.73	89.5	1.866	55.97	87.4	1.755	107.9	80.5	37.33	36.47	35.76	-0.862	-1.572	15.37	6.703	1241	887	0
6/29/2014 11:45	69709	15	180	1.868	194.5	49.8	2.426	192.1	54.8	2.794	183.9	38.35	38.27	37.09	36.1	-1.183	-2.173	14.86	6.967	1251	887	0
6/29/2014 12:00	69710	15	180	2.181	169.4	50.27	2.738	167.6	45.47	3.021	157.3	50.58	38.52	37.39	36.61	-1.133	-1.914	13.61	5.849	1255	887	0
6/29/2014 12:15	69711	15	180	2.421	197.7	42.35	2.949	196	39.43	3.322	196.6	35.78	38.88	37.59	36.81	-1.285	-2.069	10.74	2.773	1262	887	0
6/29/2014 12:30	69712	15	180	1.69	195.7	47.58	1.977	192.2	38.97	2.279	203.6	35.12	39.08	38.11	37.3	-0.97	-1.776	11.2	3.519	1255	886	0
6/29/2014 12:45	69713	15	180	2.565	136.6	37.73	3.142	133.8	32.05	3.434	137.7	33.49	39.34	38.01	37.14	-1.33	-2.193	10.02	2.141	1249	886	0
6/29/2014 13:00	69714	15	180	2.49	172.8	29.7	3.141	166.1	27.78	3.613	147.3	25.67	39.93	38.4	37.58	-1.527	-2.353	9.53	1.876	1235	886	0

WIPP Validated Metdata 6/16/14 - 6/29/14

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
6/29/2014 13:15	69715	15	180	2.008	250	43.05	2.408	254.8	34.07	2.99	253.1	29.68	39.57	38.63	37.84	-0.933	-1.724	9.29	1.259	1219	886	0
6/29/2014 13:30	69716	15	180	3.324	223.3	34.51	4.246	217.6	30.38	4.994	209.1	27.01	40.22	38.83	37.79	-1.388	-2.429	8.87	1.082	1199	886	0
6/29/2014 13:45	69717	15	180	3.299	160.9	30.1	4.292	157.6	27.11	5.07	161.1	20.56	40.81	39.13	38.03	-1.682	-2.78	8.55	1.014	1169	886	0
6/29/2014 14:00	69718	15	180	2.523	127.8	74.72	3.101	131.9	70.61	3.177	142.2	58.55	39.93	38.78	38.06	-1.158	-1.873	8.78	0.737	1133	886	0
6/29/2014 14:15	69719	15	180	3.098	179.7	57.3	3.911	171.4	59.59	4.423	149.9	61.38	40.5	39.17	38.36	-1.337	-2.147	8.7	1.018	1104	885	0
6/29/2014 14:30	69720	15	180	1.72	182.5	84.3	2.055	186.5	90.7	2.411	187	66.56	40.01	39.13	38.32	-0.883	-1.685	8.65	0.58	1071	885	0
6/29/2014 14:45	69721	15	180	3.323	180.8	46.18	4.335	174.2	42.93	4.808	167.6	40.02	40.98	39.62	38.62	-1.361	-2.36	8.23	0.609	1020	885	0
6/29/2014 15:00	69722	15	180	2.682	132.9	26.24	3.372	130.3	25.24	3.968	141.2	23.19	40.52	39.44	38.62	-1.084	-1.897	8.65	0.969	976	885	0
6/29/2014 15:15	69723	15	180	3.267	187.8	31.65	4.051	184.1	28.95	4.858	180.1	25.7	40.98	39.79	38.82	-1.184	-2.157	8.51	1.072	931	885	0
6/29/2014 15:30	69724	15	180	3.34	187.8	28.43	4.3	179.9	21.03	5.078	178.9	16.71	40.93	39.65	38.82	-1.275	-2.108	9.05	1.904	881	884	0
6/29/2014 15:45	69725	15	180	3.422	184	47.8	4.514	171.7	41.77	5.17	174.5	28.56	40.76	39.61	38.8	-1.151	-1.955	8.62	1.084	832	884	0
6/29/2014 16:00	69726	15	180	3.243	170.7	36.22	4.202	165	33.16	5.097	162.9	31.65	41.08	39.99	39.1	-1.082	-1.978	8.84	1.674	769.9	884	0
6/29/2014 16:15	69727	15	180	2.727	166.5	41.16	3.478	162.8	34.87	4.101	166.7	29.59	40.75	39.85	39.17	-0.897	-1.58	9.03	1.734	716.1	884	0
6/29/2014 16:30	69728	15	180	4.05	169.4	16.91	5.743	164.1	14.74	7.059	164	12.57	41.28	40.11	39.25	-1.177	-2.037	8.56	1.382	631.4	884	0
6/29/2014 16:45	69729	15	180	5.017	156.1	17.12	6.986	151.4	14.61	8.67	146.4	12.87	40.52	39.45	38.54	-1.07	-1.979	13.5	5.978	618	884	0
6/29/2014 17:00	69730	15	180	7.238	140.4	13.52	10.36	135.7	9.75	13.06	131.8	7.599	38.53	37.62	36.55	-0.917	-1.987	24.79	14.85	471.4	884	0
6/29/2014 17:15	69731	15	180	7.114	139.5	13.24	10.41	134.5	9.43	13.24	130.3	6.929	37.57	36.8	35.83	-0.775	-1.746	27.21	15.53	403.8	884	0
6/29/2014 17:30	69732	15	180	7.327	135.1	14.03	10.31	130.6	9.8	13.56	128	7.561	37.13	36.5	35.61	-0.631	-1.524	28.45	15.85	342.8	884	0
6/29/2014 17:45	69733	15	180	7.083	141.2	13.38	10.28	136	9.66	12.96	132.3	7.231	36.61	36.08	35.29	-0.537	-1.321	29.78	16.12	282.4	884	0
6/29/2014 18:00	69734	15	180	6.739	142.5	12.27	9.83	137.9	8.92	12.42	133.7	6.473	36.04	35.62	34.95	-0.416	-1.087	30.63	16.07	218.1	884	0
6/29/2014 18:15	69735	15	180	6.959	145.7	13.43	10.39	140.6	9.42	13.51	136.9	6.398	35.34	35.03	34.41	-0.307	-0.925	32.02	16.16	159.7	885	0
6/29/2014 18:30	69736	15	180	7.012	146.7	12.94	10.35	142.4	8.91	13.4	137	5.894	34.56	34.37	33.82	-0.192	-0.735	33.09	16	104.1	885	0
6/29/2014 18:45	69737	15	180	7.321	147.3	12.46	10.86	141.8	7.934	14.42	137.1	4.668	33.7	33.59	33.11	-0.112	-0.591	35.44	16.33	56.41	885	0
6/29/2014 19:00	69738	15	180	6.749	143.5	12.77	9.99	138.4	8.48	12.98	133.5	5.586	33.05	33.02	32.6	-0.039	-0.451	37.45	16.63	21.63	885	0
6/29/2014 19:15	69739	15	180	6.812	146.8	12.69	10.18	142.2	7.609	13	137.7	5.451	32.39	32.39	32.01	-0.001	-0.381	38.89	16.64	5.579	885	0
6/29/2014 19:30	69740	15	180	6.294	149.5	13.06	9.46	143.9	8.21	12.88	140.1	5.722	31.77	31.8	31.44	0.029	-0.325	40.02	16.53	2.296	885	0
6/29/2014 19:45	69741	15	180	6.877	140	12.71	10.08	135.4	8.38	13.42	131.2	6.07	31.15	31.18	30.83	0.024	-0.318	41.17	16.43	2.067	885	0
6/29/2014 20:00	69742	15	180	6.588	142.4	12.71	9.63	138	8.51	12.77	134.2	5.109	30.64	30.68	30.34	0.036	-0.296	42.29	16.39	2	886	0
6/29/2014 20:15	69743	15	180	7.335	141.3	12.19	10.87	135.8	7.919	13.84	132.4	5.298	30.25	30.27	29.94	0.024	-0.307	44.13	16.71	1.958	886	0
6/29/2014 20:30	69744	15	180	6.174	138.3	12.64	9.16	133.5	8.51	11.98	129.1	5.747	29.82	29.87	29.56	0.057	-0.259	45.69	16.86	1.94	886	0
6/29/2014 20:45	69745	15	180	6.748	138.2	12.5	9.86	133.1	7.758	13.07	130.6	4.784	29.33	29.36	29.05	0.035	-0.28	47.89	17.16	2.073	886	0
6/29/2014 21:00	69746	15	180	6.761	138.4	12.03	10.02	133.7	7.522	13.1	131.2	5.201	28.92	28.96	28.64	0.042	-0.281	49.53	17.33	2.038	886	0
6/29/2014 21:15	69747	15	180	6.102	136.2	12.17	8.92	131.6	7.67	11.7	129.3	5.469	28.51	28.57	28.28	0.063	-0.231	50.88	17.37	1.895	886	0
6/29/2014 21:30	69748	15	180	6.693	141.2	12.89	9.65	135.9	8.48	12.72	132.9	5.586	28.16	28.2	27.89	0.042	-0.264	52.52	17.55	1.728	887	0
6/29/2014 21:45	69749	15	180	6.946	133.9	12.36	10.15	129.2	7.175	12.7	126.9	5.062	27.73	27.77	27.45	0.042	-0.277	54.37	17.7	1.789	887	0
6/29/2014 22:00	69750	15	180	6.374	134.2	12.05	9.23	129.6	7.995	12.11	126.6	5.241	27.3	27.34	27.03	0.04	-0.263	56.21	17.83	1.793	887	0
6/29/2014 22:15	69751	15	180	6.255	132	12.52	9.13	127.6	8.17	12.21	124.5	5.413	27.01	27.05	26.77	0.047	-0.235	57.19	17.83	1.805	887	0
6/29/2014 22:30	69752	15	180	5.747	136.6	12.04	8.77	131.3	8.26	11.2	128.1	6.187	26.71	26.77	26.47	0.066	-0.239	58.22	17.84	1.954	887	0
6/29/2014 22:45	69753	15	180	5.87	137.4	12.13	8.5	132.1	7.677	11.27	128.7	5.448	26.44	26.49	26.2	0.049	-0.241	59.31	17.88	1.89	887	0
6/29/2014 23:00	69754	15	180	6.023	137.6	12.37	8.79	132.1	8.2	11.83	129.5	6.232	26.19	26.24	25.95	0.051	-0.238	60.33	17.92	1.948	887	0
6/29/2014 23:15	69755	15	180	5.956	136.9	11.31	8.66	132.1	7.369	11.33	129.3	5.646	26	26.06	25.77	0.055	-0.232	60.77	17.86	1.72	887	0
6/29/2014 23:30	69756	15	180	5.588	134.1	12.62	8.4	129.1	7.91	11.74	127.3	5.321	25.76	25.84	25.6	0.08	-0.163	61.37	17.79	1.896	887	0
6/29/2014 23:45	69757	15	180	5.816	135.2	12.36	8.5	129.7	8.18	11.32	127.3	5.655	25.61	25.68	25.44	0.072	-0.169	61.51	17.68	1.683	887	0

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
6/16/2014 0:00	0.01	0.02	0.02	0.00	0.65	0.56	1.31	1.25
6/16/2014 0:30	0.01	0.02	0.02	0.00	0.64	0.56	1.30	1.23
6/16/2014 1:00	0.01	0.02	0.02	0.00	0.64	0.56	1.30	1.24
6/16/2014 1:30	0.01	0.02	0.02	0.00	0.65	0.56	1.30	1.24
6/16/2014 2:00	0.01	0.02	0.02	0.00	0.65	0.56	1.30	1.24
6/16/2014 2:30	0.01	0.02	0.02	0.00	0.65	0.56	1.31	1.24
6/16/2014 3:00	0.01	0.02	0.02	0.00	0.65	0.56	1.31	1.24
6/16/2014 3:30	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.24
6/16/2014 4:00	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.25
6/16/2014 4:30	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.24
6/16/2014 5:00	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.24
6/16/2014 5:30	0.01	0.02	0.02	0.00	0.67	0.56	1.32	1.25
6/16/2014 6:00	0.01	0.02	0.02	0.00	0.67	0.56	1.31	1.25
6/16/2014 6:30	0.01	0.02	0.02	0.00	0.67	0.56	1.31	1.25
6/16/2014 7:00	0.01	0.02	0.02	0.00	0.67	0.56	1.31	1.24
6/16/2014 7:30	0.01	0.02	0.02	0.00	0.67	0.56	1.31	1.24
6/16/2014 8:00	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.24
6/16/2014 8:30	0.01	0.02	0.02	0.00	0.66	0.56	1.31	1.24
6/16/2014 9:00	0.01	0.02	0.02	0.00	0.65	0.56	1.31	1.24
6/16/2014 9:30	0.01	0.02	0.02	0.00	0.64	0.56	1.30	1.24
6/16/2014 10:00	0.01	0.02	0.02	0.00	0.65	0.56	1.31	1.24
6/16/2014 10:30	0.01	0.02	0.02	0.00	0.64	0.56	1.30	1.24
6/16/2014 11:00	0.01	0.02	0.02	0.00	0.64	0.56	1.30	1.23
6/16/2014 11:30	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.23
6/16/2014 12:00	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.24
6/16/2014 12:30	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.23
6/16/2014 13:00	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.23
6/16/2014 13:30	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.23
6/16/2014 14:00	0.01	0.02	0.02	0.00	0.63	0.56	1.30	1.23
6/16/2014 14:30	0.01	0.02	0.02	0.00	0.63	0.56	1.29	1.23
6/16/2014 15:00	0.01	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 15:30	0.01	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 16:00	0.02	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 16:30	0.02	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 17:00	0.02	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 17:30	0.02	0.02	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 18:00	0.02	0.01	0.02	0.00	0.63	0.55	1.29	1.23
6/16/2014 18:30	0.02	0.01	0.02	0.00	0.63	0.55	1.30	1.23
6/16/2014 19:00	0.02	0.01	0.02	0.00	0.63	0.55	1.30	1.23
6/16/2014 19:30	0.02	0.01	0.02	0.00	0.63	0.55	1.30	1.23
6/16/2014 20:00	0.02	0.01	0.02	0.00	0.64	0.55	1.30	1.23
6/16/2014 20:30	0.02	0.01	0.02	0.00	0.64	0.55	1.30	1.23
6/16/2014 21:00	0.02	0.01	0.02	0.00	0.64	0.55	1.30	1.23
6/16/2014 21:30	0.02	0.01	0.02	0.00	0.64	0.55	1.30	1.23
6/16/2014 22:00	0.03	0.01	0.02	0.00	0.65	0.56	1.30	1.23
6/16/2014 22:30	0.03	0.01	0.02	0.00	0.63	0.48	1.28	1.21
6/16/2014 23:00	0.03	0.01	0.02	0.00	0.53	0.47	1.05	1.01
6/16/2014 23:30	0.05	0.08	0.17	0.15	0.33	0.28	0.63	0.61
6/17/2014 0:00	0.11	0.20	0.57	0.57	0.09	0.11	0.15	0.13
6/17/2014 0:30	0.16	0.29	0.68	0.69	0.01	0.03	0.01	0.01
6/17/2014 1:00	0.22	0.34	0.98	1.02	0.01	0.01	0.00	0.01
6/17/2014 1:30	0.25	0.39	1.10	1.15	0.00	0.01	0.00	0.01
6/17/2014 2:00	0.25	0.39	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 2:30	0.25	0.39	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 3:00	0.25	0.39	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 3:30	0.25	0.40	1.10	1.14	0.00	0.01	0.00	0.01

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
6/17/2014 4:00	0.25	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 4:30	0.25	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 5:00	0.24	0.40	1.11	1.15	0.00	0.01	0.00	0.01
6/17/2014 5:30	0.25	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 6:00	0.25	0.40	1.11	1.14	0.00	0.01	0.00	0.01
6/17/2014 6:30	0.25	0.40	1.11	1.14	0.00	0.01	0.00	0.01
6/17/2014 7:00	0.25	0.40	1.11	1.14	0.00	0.01	0.00	0.01
6/17/2014 7:30	0.24	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 8:00	0.25	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 8:30	0.24	0.40	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 9:00	0.24	0.39	1.10	1.14	0.00	0.01	0.00	0.01
6/17/2014 9:30	0.26	0.41	1.19	1.23	0.00	0.01	0.00	0.01
6/17/2014 10:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 10:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 11:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 11:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 12:00	0.27	0.43	1.20	1.25	0.00	0.01	0.00	0.01
6/17/2014 12:30	0.27	0.43	1.21	1.25	0.00	0.01	0.00	0.01
6/17/2014 13:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 13:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 14:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 14:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 15:00	0.27	0.43	1.20	1.26	0.00	0.01	0.00	0.01
6/17/2014 15:30	0.27	0.43	1.20	1.26	0.00	0.01	0.00	0.01
6/17/2014 16:00	0.27	0.43	1.20	1.26	0.00	0.01	0.00	0.01
6/17/2014 16:30	0.27	0.43	1.20	1.25	0.00	0.01	0.00	0.01
6/17/2014 17:00	0.27	0.43	1.20	1.26	0.00	0.01	0.00	0.01
6/17/2014 17:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 18:00	0.27	0.42	1.20	1.25	0.00	0.01	0.00	0.01
6/17/2014 18:30	0.27	0.42	1.20	1.25	0.00	0.01	0.00	0.01
6/17/2014 19:00	0.27	0.42	1.20	1.25	0.00	0.01	0.00	0.01
6/17/2014 19:30	0.27	0.42	1.21	1.25	0.00	0.01	0.00	0.01
6/17/2014 20:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 20:30	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/17/2014 21:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/17/2014 21:30	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/17/2014 22:00	0.28	0.42	1.23	1.28	0.00	0.01	0.00	0.01
6/17/2014 22:30	0.27	0.42	1.23	1.27	0.00	0.01	0.00	0.01
6/17/2014 23:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/17/2014 23:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/18/2014 0:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 0:30	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 1:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 1:30	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 2:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 2:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/18/2014 3:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 3:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/18/2014 4:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 4:30	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 5:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 5:30	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 6:00	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 6:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/18/2014 7:00	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/18/2014 7:30	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01

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
6/18/2014 8:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 8:30	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 9:00	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 9:30	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 10:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 10:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 11:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 11:30	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 12:00	0.27	0.43	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 12:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 13:00	0.27	0.42	1.22	1.26	0.00	0.01	0.00	0.01
6/18/2014 13:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 14:00	0.26	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 14:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 15:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 15:30	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 16:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 16:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 17:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 17:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 18:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 18:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 19:00	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 19:30	0.27	0.42	1.21	1.26	0.00	0.01	0.00	0.01
6/18/2014 20:00	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 20:30	0.28	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/18/2014 21:00	0.27	0.42	1.23	1.28	0.00	0.01	0.00	0.01
6/18/2014 21:30	0.28	0.42	1.23	1.28	0.00	0.01	0.00	0.01
6/18/2014 22:00	0.27	0.42	1.23	1.28	0.00	0.01	0.00	0.01
6/18/2014 22:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/18/2014 23:00	0.28	0.43	1.24	1.29	0.00	0.01	0.00	0.01
6/18/2014 23:30	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 0:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 0:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 1:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 1:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 2:00	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 2:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 3:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 3:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 4:00	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 4:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 5:00	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 5:30	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 6:00	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 6:30	0.27	0.44	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 7:00	0.27	0.44	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 7:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 8:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 8:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 9:00	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 9:30	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 10:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.01
6/19/2014 10:30	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.01
6/19/2014 11:00	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01
6/19/2014 11:30	0.27	0.43	1.22	1.27	0.00	0.01	0.00	0.01

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
6/19/2014 12:00	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/19/2014 12:30	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/19/2014 13:00	0.27	0.43	1.22	1.26	0.00	0.01	0.00	0.01
6/19/2014 13:30	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/19/2014 14:00	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.01
6/19/2014 14:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.01
6/19/2014 15:00	0.25	0.24	1.11	1.14	0.00	0.01	0.00	0.00
6/19/2014 15:30	0.27	0.42	1.23	1.28	0.00	0.01	0.00	0.00
6/19/2014 16:00	0.27	0.42	1.23	1.28	0.00	0.01	0.00	0.00
6/19/2014 16:30	0.27	0.42	1.22	1.27	0.00	0.01	0.00	0.00
6/19/2014 17:00	0.27	0.42	1.23	1.27	0.00	0.01	0.00	0.00
6/19/2014 17:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.00
6/19/2014 18:00	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.00
6/19/2014 18:30	0.27	0.43	1.23	1.28	0.00	0.01	0.00	0.00
6/19/2014 19:00	0.27	0.43	1.23	1.27	0.00	0.01	0.00	0.00
6/19/2014 19:30	0.27	0.43	1.23	1.29	0.00	0.01	0.00	0.00
6/19/2014 20:00	0.28	0.43	1.26	1.31	0.00	0.01	0.00	0.00
6/19/2014 20:30	0.28	0.43	1.27	1.32	0.00	0.01	0.00	0.00
6/19/2014 21:00	0.28	0.43	1.26	1.31	0.00	0.00	0.00	0.00
6/19/2014 21:30	0.28	0.44	1.27	1.32	0.00	0.00	0.00	0.00
6/19/2014 22:00	0.28	0.44	1.28	1.33	0.00	0.00	0.00	0.00
6/19/2014 22:30	0.28	0.44	1.27	1.32	0.00	0.00	0.00	0.00
6/19/2014 23:00	0.28	0.44	1.28	1.33	0.01	0.00	0.00	0.00
6/19/2014 23:30	0.28	0.44	1.27	1.32	0.01	0.34	0.01	0.15
6/20/2014 0:00	0.28	0.44	1.27	1.32	0.01	1.02	0.00	0.83
6/20/2014 0:30	0.28	0.44	1.27	1.32	0.01	1.04	0.01	0.50
6/20/2014 1:00	0.28	0.44	1.26	1.31	0.01	1.16	0.01	0.07
6/20/2014 1:30	0.28	0.44	1.26	1.31	0.01	1.31	0.05	0.00
6/20/2014 2:00	0.28	0.44	1.26	1.31	0.01	1.27	0.09	0.00
6/20/2014 2:30	0.28	0.44	1.26	1.31	0.01	1.20	0.10	0.01
6/20/2014 3:00	0.28	0.44	1.25	1.30	0.01	1.22	0.10	0.00
6/20/2014 3:30	0.28	0.44	1.25	1.30	0.01	1.45	0.10	0.00
6/20/2014 4:00	0.28	0.44	1.26	1.31	0.01	1.72	0.17	0.39
6/20/2014 4:30	0.28	0.44	1.27	1.31	0.01	1.67	0.26	0.37
6/20/2014 5:00	0.28	0.44	1.26	1.31	0.01	1.76	0.29	0.00
6/20/2014 5:30	0.28	0.44	1.26	1.31	0.01	1.93	0.32	0.00
6/20/2014 6:00	0.28	0.44	1.27	1.31	0.01	2.00	0.37	0.00
6/20/2014 6:30	0.28	0.44	1.26	1.31	0.01	2.47	0.43	0.00
6/20/2014 7:00	0.28	0.44	1.27	1.31	0.01	2.86	0.47	0.00
6/20/2014 7:30	0.28	0.44	1.27	1.31	0.01	3.06	0.53	0.00
6/20/2014 8:00	0.28	0.44	1.27	1.31	0.01	3.22	0.60	0.00
6/20/2014 8:30	0.28	0.44	1.27	1.31	0.01	3.27	0.65	0.00
6/20/2014 9:00	0.28	0.44	1.27	1.31	0.01	3.32	0.69	0.00
6/20/2014 9:30	0.28	0.44	1.27	1.31	0.01	3.26	0.73	0.00
6/20/2014 10:00	0.28	0.44	1.26	1.31	0.01	2.93	0.85	0.00
6/20/2014 10:30	0.28	0.44	1.26	1.30	0.01	2.75	0.95	0.00
6/20/2014 11:00	0.27	0.44	1.26	1.30	0.01	2.52	0.97	0.00
6/20/2014 11:30	0.28	0.44	1.26	1.30	0.01	2.43	1.04	0.00
6/20/2014 12:00	0.28	0.44	1.26	1.30	0.01	2.16	1.09	0.00
6/20/2014 12:30	0.28	0.44	1.26	1.31	0.01	1.95	1.10	0.00
6/20/2014 13:00	0.28	0.44	1.26	1.30	0.01	1.93	1.12	0.00
6/20/2014 13:30	0.27	0.44	1.26	1.30	0.01	1.55	1.16	0.00
6/20/2014 14:00	0.28	0.44	1.26	1.30	0.02	0.83	1.19	0.00
6/20/2014 14:30	0.28	0.43	1.26	1.31	0.02	0.43	1.19	0.00
6/20/2014 15:00	0.28	0.43	1.26	1.30	0.02	0.12	1.20	0.14
6/20/2014 15:30	0.28	0.43	1.26	1.30	0.20	0.00	1.20	0.41

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
6/20/2014 16:00	0.28	0.43	1.26	1.30	0.43	0.00	1.20	0.71
6/20/2014 16:30	0.28	0.43	1.26	1.30	0.66	0.00	1.16	0.93
6/20/2014 17:00	0.28	0.43	1.26	1.30	0.71	0.00	1.12	1.10
6/20/2014 17:30	0.28	0.43	1.26	1.31	0.89	0.00	1.10	1.32
6/20/2014 18:00	0.28	0.43	1.26	1.31	1.12	0.01	1.09	1.48
6/20/2014 18:30	0.28	0.43	1.26	1.31	1.19	0.01	1.07	1.51
6/20/2014 19:00	0.28	0.43	1.26	1.31	1.12	0.01	1.06	1.43
6/20/2014 19:30	0.28	0.43	1.26	1.31	0.97	0.01	1.04	1.31
6/20/2014 20:00	0.28	0.43	1.27	1.31	0.84	0.01	1.03	1.22
6/20/2014 20:30	0.28	0.43	1.27	1.32	0.57	0.01	0.96	1.00
6/20/2014 21:00	0.28	0.43	1.27	1.32	0.40	0.01	0.90	0.79
6/20/2014 21:30	0.28	0.44	1.27	1.32	0.28	0.01	0.89	0.56
6/20/2014 22:00	0.28	0.44	1.27	1.32	0.03	0.07	0.88	0.32
6/20/2014 22:30	0.28	0.44	1.27	1.32	0.00	0.15	1.46	0.86
6/20/2014 23:00	0.28	0.44	1.27	1.32	0.00	0.02	0.01	0.00
6/20/2014 23:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/21/2014 0:00	0.28	0.44	1.27	1.32	0.00	0.01	0.02	0.00
6/21/2014 0:30	0.28	0.44	1.27	1.32	0.00	0.01	0.02	0.00
6/21/2014 1:00	0.28	0.44	1.26	1.31	0.00	0.01	0.02	0.00
6/21/2014 1:30	0.28	0.44	1.26	1.31	0.00	0.01	0.02	0.00
6/21/2014 2:00	0.28	0.44	1.27	1.31	0.00	0.01	0.02	0.00
6/21/2014 2:30	0.28	0.44	1.27	1.31	0.00	0.01	0.02	0.00
6/21/2014 3:00	0.28	0.44	1.26	1.31	0.00	0.01	0.02	0.00
6/21/2014 3:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 4:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 4:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 5:00	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 5:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 6:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 6:30	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 7:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 7:30	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 8:00	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 8:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 9:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 9:30	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 10:00	0.28	0.44	1.27	1.32	0.00	0.01	0.01	0.00
6/21/2014 10:30	0.28	0.43	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 11:00	0.28	0.43	1.28	1.32	0.00	0.01	0.01	0.00
6/21/2014 11:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 12:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 12:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 13:00	0.27	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/21/2014 13:30	0.28	0.44	1.26	1.31	0.00	0.01	0.00	0.00
6/21/2014 14:00	0.27	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 14:30	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 15:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 15:30	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 16:00	0.28	0.43	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 16:30	0.27	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 17:00	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 17:30	0.27	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 18:00	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 18:30	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 19:00	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 19:30	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00

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
6/21/2014 20:00	0.27	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 20:30	0.27	0.43	1.25	1.30	0.00	0.01	0.00	0.00
6/21/2014 21:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 21:30	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 22:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/21/2014 22:30	0.28	0.43	1.26	1.31	0.00	0.01	0.00	0.00
6/21/2014 23:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/21/2014 23:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 0:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 0:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 1:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 1:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 2:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 2:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 3:00	0.28	0.43	1.26	1.31	0.00	0.01	0.00	0.00
6/22/2014 3:30	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 4:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 4:30	0.28	0.43	1.26	1.31	0.00	0.01	0.00	0.00
6/22/2014 5:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 5:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 6:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 6:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 7:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 7:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 8:00	0.28	0.44	1.27	1.31	0.00	0.01	0.00	0.00
6/22/2014 8:30	0.28	0.44	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 9:00	0.28	0.44	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 9:30	0.27	0.44	1.25	1.29	0.00	0.01	0.00	0.00
6/22/2014 10:00	0.27	0.44	1.25	1.29	0.00	0.01	0.00	0.00
6/22/2014 10:30	0.27	0.44	1.25	1.29	0.00	0.01	0.00	0.00
6/22/2014 11:00	0.27	0.43	1.25	1.28	0.00	0.01	0.00	0.00
6/22/2014 11:30	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 12:00	0.27	0.43	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 12:30	0.27	0.42	1.24	1.29	0.00	0.01	0.00	0.00
6/22/2014 13:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 13:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 14:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 14:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 15:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 15:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 16:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 16:30	0.27	0.42	1.24	1.29	0.00	0.01	0.00	0.00
6/22/2014 17:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 17:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 18:00	0.27	0.42	1.24	1.29	0.00	0.01	0.00	0.00
6/22/2014 18:30	0.27	0.42	1.24	1.29	0.00	0.01	0.00	0.00
6/22/2014 19:00	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 19:30	0.27	0.42	1.24	1.28	0.00	0.01	0.00	0.00
6/22/2014 20:00	0.27	0.42	1.24	1.29	0.00	0.01	0.00	0.00
6/22/2014 20:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/22/2014 21:00	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/22/2014 21:30	0.28	0.42	1.26	1.30	0.00	0.01	0.00	0.00
6/22/2014 22:00	0.28	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/22/2014 22:30	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/22/2014 23:00	0.27	0.42	1.25	1.30	0.00	0.01	0.00	0.00
6/22/2014 23:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00

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
6/23/2014 0:00	0.28	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 0:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 1:00	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 1:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 2:00	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 2:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 3:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 3:30	0.28	0.43	1.26	1.29	0.00	0.01	0.00	0.00
6/23/2014 4:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 4:30	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 5:00	0.27	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 5:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 6:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 6:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/23/2014 7:00	0.28	0.43	1.27	1.30	0.00	0.01	0.00	0.00
6/23/2014 7:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/23/2014 8:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/23/2014 8:30	0.28	0.44	1.28	1.32	0.00	0.01	0.00	0.00
6/23/2014 9:00	0.28	0.44	1.28	1.33	0.00	0.01	0.00	0.00
6/23/2014 9:30	0.28	0.43	1.28	1.32	0.00	0.01	0.00	0.00
6/23/2014 10:00	0.28	0.43	1.28	1.32	0.00	0.01	0.00	0.00
6/23/2014 10:30	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/23/2014 11:00	0.27	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 11:30	0.27	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 12:00	0.27	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 12:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 13:00	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 13:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 14:00	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 14:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 15:00	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 15:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 16:00	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 16:30	0.27	0.42	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 17:00	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 17:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 18:00	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 18:30	0.27	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 19:00	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 19:30	0.28	0.42	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 20:00	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 20:30	0.28	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 21:00	0.28	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 21:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 22:00	0.28	0.43	1.26	1.30	0.00	0.01	0.00	0.00
6/23/2014 22:30	0.27	0.43	1.25	1.29	0.00	0.01	0.00	0.00
6/23/2014 23:00	0.28	0.43	1.27	1.31	0.00	0.01	0.00	0.00
6/23/2014 23:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 0:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 0:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 1:00	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 1:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 2:00	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 2:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 3:00	0.28	0.44	1.28	1.31	0.00	0.01	0.01	0.00
6/24/2014 3:30	0.28	0.44	1.28	1.31	0.00	0.01	0.01	0.00

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
6/24/2014 4:00	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 4:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 5:00	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 5:30	0.28	0.44	1.28	1.31	0.00	0.01	0.01	0.00
6/24/2014 6:00	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 6:30	0.28	0.44	1.29	1.33	0.00	0.01	0.01	0.00
6/24/2014 7:00	0.28	0.44	1.29	1.32	0.00	0.01	0.01	0.00
6/24/2014 7:30	0.28	0.44	1.28	1.32	0.00	0.01	0.01	0.00
6/24/2014 8:00	0.28	0.44	1.28	1.31	0.00	0.01	0.01	0.00
6/24/2014 8:30	0.28	0.44	1.28	1.31	0.00	0.01	0.01	0.00
6/24/2014 9:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 9:30	0.27	0.44	1.27	1.30	0.00	0.01	0.01	0.00
6/24/2014 10:00	0.27	0.44	1.26	1.30	0.00	0.01	0.01	0.00
6/24/2014 10:30	0.28	0.44	1.27	1.30	0.00	0.01	0.01	0.00
6/24/2014 11:00	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 11:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 12:00	0.28	0.44	1.26	1.30	0.00	0.01	0.01	0.00
6/24/2014 12:30	0.28	0.44	1.27	1.31	0.00	0.01	0.01	0.00
6/24/2014 13:00	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 13:30	0.27	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 14:00	0.27	0.43	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 14:30	0.27	0.43	1.26	1.30	0.00	0.02	0.01	0.00
6/24/2014 15:00	0.27	0.43	1.25	1.29	0.00	0.02	0.01	0.00
6/24/2014 15:30	0.27	0.43	1.26	1.30	0.00	0.02	0.01	0.00
6/24/2014 16:00	0.28	0.43	1.26	1.30	0.00	0.02	0.01	0.00
6/24/2014 16:30	0.28	0.43	1.26	1.31	0.00	0.02	0.01	0.00
6/24/2014 17:00	0.28	0.43	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 17:30	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 18:00	0.27	0.43	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 18:30	0.28	0.43	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 19:00	0.27	0.43	1.26	1.30	0.00	0.02	0.01	0.00
6/24/2014 19:30	0.27	0.43	1.26	1.30	0.00	0.02	0.01	0.00
6/24/2014 20:00	0.27	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 20:30	0.28	0.44	1.27	1.30	0.00	0.02	0.01	0.00
6/24/2014 21:00	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 21:30	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 22:00	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 22:30	0.28	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/24/2014 23:00	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/24/2014 23:30	0.27	0.44	1.27	1.31	0.00	0.02	0.01	0.00
6/25/2014 0:00	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 0:30	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 1:00	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 1:30	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 2:00	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 2:30	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 3:00	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 3:30	0.28	0.44	1.27	1.30	0.00	0.02	0.01	0.00
6/25/2014 4:00	0.27	0.44	1.27	1.30	0.00	0.02	0.01	0.00
6/25/2014 4:30	0.28	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 5:00	0.27	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 5:30	0.28	0.44	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 6:00	0.28	0.45	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 6:30	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 7:00	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 7:30	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00

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
6/25/2014 8:00	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 8:30	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 9:00	0.28	0.45	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 9:30	0.28	0.45	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 10:00	0.27	0.44	1.27	1.30	0.00	0.02	0.01	0.00
6/25/2014 10:30	0.27	0.44	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 11:00	0.27	0.44	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 11:30	0.28	0.44	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 12:00	0.28	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 12:30	0.28	0.45	1.29	1.32	0.00	0.02	0.01	0.00
6/25/2014 13:00	0.27	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 13:30	0.27	0.45	1.29	1.31	0.00	0.02	0.01	0.00
6/25/2014 14:00	0.27	0.45	1.28	1.31	0.00	0.02	0.01	0.00
6/25/2014 14:30	0.27	0.44	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 15:00	0.27	0.44	1.27	1.30	0.00	0.02	0.01	0.00
6/25/2014 15:30	0.27	0.44	1.26	1.29	0.00	0.02	0.01	0.00
6/25/2014 16:00	0.27	0.44	1.26	1.29	0.00	0.02	0.01	0.00
6/25/2014 16:30	0.27	0.44	1.26	1.28	0.00	0.02	0.01	0.00
6/25/2014 17:00	0.27	0.44	1.26	1.29	0.00	0.02	0.01	0.00
6/25/2014 17:30	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 18:00	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 18:30	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 19:00	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 19:30	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 20:00	0.27	0.44	1.27	1.29	0.00	0.02	0.01	0.00
6/25/2014 20:30	0.27	0.44	1.28	1.30	0.00	0.02	0.01	0.00
6/25/2014 21:00	0.16	0.28	0.73	0.73	0.04	0.09	0.24	0.23
6/25/2014 21:30	0.17	0.19	0.52	0.50	0.12	0.17	0.73	0.67
6/25/2014 22:00	0.25	0.41	1.15	1.17	0.22	0.36	1.24	1.19
6/25/2014 22:30	0.25	0.41	1.16	1.18	0.22	0.36	1.24	1.19
6/25/2014 23:00	0.25	0.41	1.16	1.18	0.22	0.36	1.25	1.20
6/25/2014 23:30	0.25	0.41	1.16	1.18	0.21	0.36	1.25	1.20
6/26/2014 0:00	0.25	0.41	1.16	1.18	0.21	0.36	1.26	1.21
6/26/2014 0:30	0.25	0.41	1.16	1.18	0.21	0.36	1.26	1.21
6/26/2014 1:00	0.25	0.41	1.16	1.18	0.21	0.36	1.25	1.20
6/26/2014 1:30	0.25	0.41	1.16	1.18	0.21	0.36	1.25	1.20
6/26/2014 2:00	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 2:30	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 3:00	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 3:30	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 4:00	0.25	0.41	1.16	1.17	0.21	0.36	1.26	1.20
6/26/2014 4:30	0.25	0.41	1.16	1.17	0.21	0.36	1.26	1.20
6/26/2014 5:00	0.25	0.41	1.16	1.18	0.21	0.36	1.26	1.21
6/26/2014 5:30	0.25	0.41	1.17	1.17	0.22	0.36	1.26	1.21
6/26/2014 6:00	0.25	0.41	1.17	1.18	0.21	0.36	1.26	1.21
6/26/2014 6:30	0.25	0.41	1.17	1.18	0.21	0.36	1.26	1.21
6/26/2014 7:00	0.25	0.41	1.17	1.17	0.21	0.36	1.26	1.21
6/26/2014 7:30	0.25	0.41	1.16	1.17	0.22	0.36	1.26	1.21
6/26/2014 8:00	0.25	0.41	1.16	1.17	0.21	0.36	1.26	1.20
6/26/2014 8:30	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 9:00	0.25	0.41	1.16	1.16	0.21	0.36	1.25	1.20
6/26/2014 9:30	0.25	0.41	1.16	1.17	0.21	0.36	1.25	1.20
6/26/2014 10:00	0.24	0.41	1.16	1.16	0.21	0.36	1.25	1.20
6/26/2014 10:30	0.24	0.41	1.16	1.16	0.21	0.36	1.25	1.20
6/26/2014 11:00	0.24	0.41	1.15	1.16	0.21	0.36	1.24	1.20
6/26/2014 11:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.20

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
6/26/2014 12:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 12:30	0.24	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/26/2014 13:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 13:30	0.25	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/26/2014 14:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 14:30	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 15:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 15:30	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 16:00	0.24	0.41	1.14	1.15	0.20	0.35	1.24	1.19
6/26/2014 16:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/26/2014 17:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.18
6/26/2014 17:30	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.18
6/26/2014 18:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/26/2014 18:30	0.25	0.41	1.14	1.16	0.20	0.35	1.24	1.19
6/26/2014 19:00	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/26/2014 19:30	0.25	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/26/2014 20:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 20:30	0.24	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/26/2014 21:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 21:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 22:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 22:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 23:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/26/2014 23:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 0:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 0:30	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.19
6/27/2014 1:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/27/2014 1:30	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.20
6/27/2014 2:00	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.20
6/27/2014 2:30	0.24	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 3:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 3:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 4:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 4:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 5:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 5:30	0.25	0.41	1.16	1.17	0.22	0.35	1.26	1.20
6/27/2014 6:00	0.25	0.41	1.17	1.17	0.21	0.35	1.26	1.20
6/27/2014 6:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 7:00	0.25	0.41	1.17	1.17	0.21	0.35	1.26	1.20
6/27/2014 7:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 8:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 8:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/27/2014 9:00	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.20
6/27/2014 9:30	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.19
6/27/2014 10:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/27/2014 10:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 11:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 11:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 12:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 12:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 13:00	0.24	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/27/2014 13:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 14:00	0.24	0.41	1.14	1.16	0.21	0.35	1.25	1.19
6/27/2014 14:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/27/2014 15:00	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/27/2014 15:30	0.24	0.41	1.14	1.15	0.20	0.35	1.24	1.18

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
6/27/2014 16:00	0.25	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/27/2014 16:30	0.24	0.41	1.14	1.16	0.21	0.35	1.25	1.19
6/27/2014 17:00	0.24	0.41	1.14	1.15	0.20	0.35	1.24	1.19
6/27/2014 17:30	0.24	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/27/2014 18:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/27/2014 18:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/27/2014 19:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 19:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 20:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 20:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 21:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 21:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 22:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/27/2014 22:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/27/2014 23:00	0.24	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/27/2014 23:30	0.25	0.41	1.15	1.17	0.21	0.35	1.25	1.20
6/28/2014 0:00	0.25	0.41	1.16	1.17	0.21	0.35	1.25	1.20
6/28/2014 0:30	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/28/2014 1:00	0.25	0.41	1.15	1.16	0.21	0.35	1.26	1.19
6/28/2014 1:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 2:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/28/2014 2:30	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/28/2014 3:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/28/2014 3:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/28/2014 4:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 4:30	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 5:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 5:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/28/2014 6:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/28/2014 6:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/28/2014 7:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 7:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/28/2014 8:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 8:30	0.24	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 9:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/28/2014 9:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/28/2014 10:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 10:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 11:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 11:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 12:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 12:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 13:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 13:30	0.25	0.41	1.15	1.15	0.21	0.35	1.25	1.19
6/28/2014 14:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 14:30	0.24	0.41	1.14	1.15	0.21	0.35	1.25	1.19
6/28/2014 15:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 15:30	0.24	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/28/2014 16:00	0.24	0.41	1.14	1.15	0.21	0.35	1.25	1.19
6/28/2014 16:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/28/2014 17:00	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/28/2014 17:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/28/2014 18:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.18
6/28/2014 18:30	0.24	0.41	1.14	1.16	0.20	0.35	1.24	1.19
6/28/2014 19:00	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/28/2014 19:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18

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
6/28/2014 20:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.18
6/28/2014 20:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 21:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 21:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 22:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 22:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/28/2014 23:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/28/2014 23:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 0:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/29/2014 0:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 1:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/29/2014 1:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/29/2014 2:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/29/2014 2:30	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/29/2014 3:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/29/2014 3:30	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/29/2014 4:00	0.25	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/29/2014 4:30	0.25	0.41	1.17	1.16	0.21	0.35	1.26	1.20
6/29/2014 5:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/29/2014 5:30	0.24	0.41	1.16	1.17	0.21	0.35	1.26	1.20
6/29/2014 6:00	0.25	0.41	1.16	1.17	0.22	0.35	1.26	1.20
6/29/2014 6:30	0.25	0.41	1.17	1.17	0.22	0.35	1.26	1.20
6/29/2014 7:00	0.25	0.41	1.16	1.17	0.22	0.35	1.26	1.20
6/29/2014 7:30	0.25	0.41	1.17	1.17	0.21	0.35	1.26	1.20
6/29/2014 8:00	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/29/2014 8:30	0.24	0.41	1.16	1.16	0.21	0.35	1.26	1.20
6/29/2014 9:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.20
6/29/2014 9:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.20
6/29/2014 10:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 10:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 11:00	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 11:30	0.24	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 12:00	0.24	0.41	1.15	1.15	0.21	0.35	1.24	1.19
6/29/2014 12:30	0.24	0.41	1.15	1.15	0.21	0.35	1.25	1.19
6/29/2014 13:00	0.24	0.41	1.15	1.15	0.21	0.35	1.24	1.18
6/29/2014 13:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/29/2014 14:00	0.24	0.41	1.15	1.15	0.21	0.35	1.24	1.19
6/29/2014 14:30	0.24	0.41	1.15	1.15	0.20	0.35	1.24	1.19
6/29/2014 15:00	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.19
6/29/2014 15:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/29/2014 16:00	0.24	0.41	1.14	1.15	0.20	0.35	1.24	1.18
6/29/2014 16:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/29/2014 17:00	0.24	0.41	1.15	1.15	0.21	0.35	1.25	1.18
6/29/2014 17:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/29/2014 18:00	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/29/2014 18:30	0.24	0.41	1.14	1.15	0.21	0.35	1.24	1.18
6/29/2014 19:00	0.24	0.41	1.14	1.15	0.20	0.35	1.24	1.18
6/29/2014 19:30	0.24	0.41	1.14	1.16	0.21	0.35	1.24	1.19
6/29/2014 20:00	0.25	0.41	1.15	1.16	0.21	0.35	1.24	1.19
6/29/2014 20:30	0.24	0.41	1.15	1.15	0.20	0.35	1.24	1.18
6/29/2014 21:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 21:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 22:00	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19
6/29/2014 22:30	0.25	0.41	1.15	1.16	0.21	0.35	1.25	1.19

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**
6/29/2014 23:00	0.25	0.41	1.16	1.16	0.21	0.35	1.25	1.19
6/29/2014 23:30	0.25	0.41	1.16	1.16	0.21	0.35	1.26	1.20

*in wg - inches of water gauge

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

Container Number	Container Type	Date Stored	Derived Waste Description	Container Contents	Surface/ Underground	Container Location	Storage Deadline	Mixed/ Non-Mixed	Waste Volume[1] (ft^3)
WISD002	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD003	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD004	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD005	SWB	6/13/2014	Mod and High-Efficiency filters from 41-B-856 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD006	SWB	6/21/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD007	SWB	6/21/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD008	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3

Container Number	Container Type	Date Stored	Derived Waste Description	Container Contents	Surface/ Underground	Container Location	Storage Deadline	Mixed/ Non-Mixed	Waste Volume[1] (ft^3)
WISD009	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD010	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
WISD011	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(5) filters, cardboard box and plastic bags (filter packaging material)	Surface	CH Bay	7/15/2014	Mixed	66.3
See Footnote (2)	SWB	6/24/2014	Mod and High-Efficiency filters from 41-B-857 filter unit change out	(1) filter, cardboard box and plastic bags (filter packaging material)	Surface	DWSA	---	Mixed	---
10 Containers	---	----	---	---	---	---	---	---	663.0 ft^3

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

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

SWB – standard waste box

DWSA – Derived Waste Storage Area

Attachment 7
Status of RCRA Contingency Plan Required Activities

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
D-1 General Information	Wastes generated as a result of maintenance or response actions will be categorized into one of three groups and disposed of accordingly. These are: 1) nonhazardous wastes to be disposed of in an approved landfill, 2) hazardous nonradioactive wastes to be disposed of at an off-site RCRA permitted facility, and 3) TRU mixed waste to be disposed of in the underground HWDUs.	The required activities described in this section are applicable to the current implementation of the Contingency Plan.	Category 3 site derived waste has been generated as a result of underground ventilation filter change-out activities. This waste is currently being stored in the WHB and will be disposed of in the underground HWDU when disposal operations resume. Categories 1 and 2 are not regulated by this Permit.
D-1 General Information	Liquid wastes that may be generated as a result of the fire fighting water or decontamination solutions will be managed as follows: Non-Mixed - Hazardous waste liquids contaminated only with hazardous constituents will be placed into containers and managed in accordance with 20.4.1.300 NMAC (incorporating 40 CFR §262.34) requirements. The waste will be shipped to an approved off-site treatment, storage, or disposal facility. Mixed - Liquids contaminated with TRU mixed waste (inside the WHB Unit) will be solidified as they are placed into containers with cement, Aquaset, or absorbent material in them. The solidified materials will be disposed of in the underground WIPP repository as derived waste.	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	No fire fighting water has been used in response to this event. No liquid waste has been generated to date as a result of decontamination activities. Non-mixed hazardous waste is not regulated by this Permit.
D-4b Identification of Hazardous Materials	The identification of hazardous wastes, hazardous waste constituents, or hazardous materials involved in a fire, an explosion, or a release to the environment is a necessary part of the assessment of an incident, as described in 20.4.1.500 NMAC (incorporating 40 CFR §264.56(b)). RCRA hazardous waste and hazardous substances and materials listed in 40 CFR §302.4 and §302.6 or New Mexico Emergency Management Act, §74-4B-3 and §74-4B-5 and, involved in any release at the WIPP facility will be identified. The identification of likely hazardous materials at any location is enhanced because hazardous materials and hazardous waste are only stored or managed in specified locations throughout the WIPP facility. An attempt will be made to identify products involved by occupancy/location, container shape, markings/color, placards/labels, United Nations/North America/Product Identification Number, on-site technical experts, or field sampling. Further, the ES&H department maintains an updated inventory of hazardous materials/substances that are brought on site, and a master MSDS listing in the Safety and Emergency Services Facility, Building 452. Sources of information available to identify the hazardous wastes, substances, or materials involved in a fire, an explosion, or a release at the WIPP facility	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	All required information was available as required by the Permit via the WIPP waste information system. Re-entries into Panel 7, Room 7, have indicated that the radiological release originated from at least one damaged waste container from Los Alamos National Laboratory waste stream LA-MIN02-V.001. EPA hazardous waste numbers associated with this waste stream are D004, D005, D006, D007, D008, D009, D010, D011, D018, D019, D021, D022, D035, D038, D039, D040, F001, F002, and F005.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	include operator/supervisor knowledge of their work areas, materials used, and work activities underway; the WIPP Waste Information System (WWIS), which identifies the location within the facility of emplaced TRU mixed waste, including emplaced derived waste; and waste manifests and other waste characterization information in the operating record. The WWIS also includes information on wastes that are in the waste handling process. Also available are MSDSs for hazardous material in the various user areas throughout the facility, waste acceptance records, and materials inventories for buildings and operating groups at the WIPP facility. Information or data from the derived waste accumulation areas, the hazardous waste staging area, satellite staging areas, and nonregulated waste accumulation areas are included. TRU mixed waste received by the WIPP facility during the Disposal Phase will be characterized for hazardous constituents prior to receipt, and acceptable knowledge will be used to characterize derived waste prior to emplacement. Information required for identifying TRU mixed hazardous constituents in case of an incident is readily available through the WWIS and the waste acceptance records. Waste accepted at WIPP is already known to be compatible with all materials used to respond to an emergency. All non-TRU mixed waste materials received on site, other than those listed in Table D-1, are in such small quantities that no reaction could develop which would trigger an Incident Level II or III response. The RCRA Emergency Coordinator will have access to the WWIS through Operations, or through the Facility Shift Manager's Office. The RCRA Emergency Coordinator has access to the inventory lists and MSDSs in the Safety and Emergency Services Facility at all times.		
D-4c Assessment of the Nature and Extent of the Emergency	Once the required notifications have been made, the RCRA Emergency Coordinator will ensure that the identity, exact source, amount, and areal extent of any released materials are determined, as required under 20.4.1.500 NMAC (incorporating 40 CFR §264.56(b)). The RCRA Emergency Coordinator will determine whether the occurrence constitutes an emergency based on knowledge of the area and access to the waste identification/characterization information described in Section D-4b. An emergency will require response by only trained emergency response personnel. The RCRA Emergency Coordinator will be responsible for responding to immediate and potential hazards, using the services of trained personnel to determine: 1) the identity of hazardous wastes, hazardous waste constituents, and other hazardous materials involved in a release, as described in Section D-4b; 2) whether or not a release involved a reportable quantity of a hazardous substance; 3) the areal extent of a release; 4) the exact source of a release; and 5) the potential hazards to human health or to	The February 14, 2014, event has been managed as a radiological event. The initial response to this event was to protect against the primary hazard, which was identified as the radiological component of the waste. Therefore, the activities conducted relative to assessing the nature and extent of the	The WIPP facility is still in the process of assessing the nature and extent of the radiological event through the re-entry process. Hazards posed by the February 14, 2014, event are radiological in nature. The processes for dealing with the event involve specifications to protect workers from radioactivity. These measures are appropriate and sufficient to protect against any hazardous constituents that might be present.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	the environment. After the materials involved in an emergency are identified, the specific information on the associated hazards, appropriate personal protective equipment (PPE), decontamination, etc., will be obtained from MSDSs and from appropriate chemical reference materials at the same location. These information sources may be accessed by the RCRA Emergency Coordinator or through several WIPP facility organizations. The emergency assessment requires determination of hazards involving evaluation of several criteria, including: • Exposure: magnitude of actual or potential exposure to employees, the general public, and the environment; duration of human and environmental exposure; pathways of exposure • Toxicity: types of adverse health or environmental effects associated with exposures; the relationship between the magnitude of exposure and adverse effects • Reactivity: hazardous materials or hazardous wastes, which are not TRU mixed wastes, involved in an incident will be assessed for reactivity through accessing the MSDSs for the affected material and the recommended method(s) for managing such waste • Uncertainties: considerations for undeterminable or future exposures; uncertain or unknown health effects, including future health effects	emergency pertained to the radiological release.	
D-4d Control, Containment, and Correction of the Emergency	The WIPP facility is required to control an emergency and to minimize the potential for the occurrence, recurrence, or spread of releases due to the emergency situation, as described in 20.4.1.500 NMAC (incorporating 40 CFR §264.56 (e)). The WIPP Emergency Response procedures utilize the incident mitigation guidelines in NFPA 471, Responding to Hazardous Materials Incidents, with initial response priority being on control, and those actions necessary to ensure confinement and containment (the first line of defense) in the early, critical stages of a spill or leak. The RCRA Emergency Coordinator is responsible for stopping processes and operations when necessary, and removing or isolating containers. TRU mixed waste will remain within the WHB Unit, the Parking Area Unit, and the underground HWDU.	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	The ventilation switch to filtration mode minimized the potential for spread of the radiological release. Underground exhaust air has continued to be routed through high-efficiency particulate air (HEPA) filtration. Since the event, processes and operations have been suspended at the WIPP facility. Access to the underground is restricted.
D-4d(1) All Emergencies	The WIPP Emergency Response procedures include, but are not limited to, the following actions appropriate for control: 1. Isolate the area from unauthorized person by fences, barricades, warning signs, or other security and site control precautions. Isolation and evacuation distances vary, depending upon the chemical/product, fire,	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	Procedures and/or work control documents are in place per the WIPP Emergency Plan to deal with the radiological release: Access to the underground is being controlled and entries into

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	and weather situations. 2. Identify the chemical/product according to Section D-4b. 3. Drainage controls. 4. Stabilization of physical controls (such as dikes or impoundment[s]). 5. Capping of contaminated soils to reduce migration. 6. Using chemicals and other materials to retard the spread of the release or to mitigate its effects. 7. Excavation, consolidation, removal, or disposal of contaminated soils. 8. Removal of drums, barrels, or tanks where it will reduce exposure risk during situations such as fires. If the facility stops operations in response to a fire, explosion, or release, the RCRA Emergency Coordinator shall ensure continued monitoring for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever appropriate. If operations continue, personnel normally assigned to these tasks will continue. Both natural and synthetic methods will be employed to limit the releases of hazardous materials so that effective recovery and treatment can be accomplished with minimum additional risk to human health or the environment. A combination of the above methods to achieve protection of human health and the environment, with emphasis on two basic methods for mitigation of hazardous materials incidents - Physical and Chemical (Tables D-4, D-5) mitigation, will be used… …The established procedures are based upon the incident level and a graded approach for nonradioactive or CH TRU waste emergencies and initiated to: 1. Minimize contamination or contact (through PPE, etc.) 2. Limit migration of contaminants 3. Properly dispose of contaminated materials		contaminated areas require appropriate PPE. Chemicals have been identified as addressed in Section D-4b. Drainage controls are not applicable since the breached container(s) is in the underground. Stabilization of physical controls is not applicable to this event. Capping of contaminated soils to reduce migration is not applicable to this event since soils are not involved. The use of fixatives to control radioactivity is currently being evaluated and will be addressed in the WIPP Recovery Plan. Excavation, consolidation, removal, or disposal of contaminated soils is not applicable to this event since soils are not involved. There are currently no plans to remove waste containers from the underground. The NMED has issued a third administrative order which requires the Permittees to develop a plan for closing the areas of most risk. This plan was submitted by the DOE to the NMED on May 30, 2014. Radiological monitoring is ongoing at surface Stations A and B. Equipment used to ensure protection is inspected in accordance with Permit Attachment E, Table E-1. HEPA filtration is currently being used to limit radiological releases.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
			The most effective methods for mitigation will be addressed during recovery. Procedures are in place to address these requirements. Radiological work permits specify the appropriate PPE and other measures to be taken to minimize personnel exposure. HEPA filtration limits migration of radionuclides and radiological releases. Derived waste has been generated as a result of underground ventilation filter change-out activities. This waste is currently being stored in the WHB and will be disposed of in the underground HWDU when disposal operations resume.
D-4d(6) Control of Spills or Leaking or Punctured Containers of CH and RH TRU Mixed Waste	In the event of spills or leaking or punctured containers of CH and RH TRU mixed waste, the WIPP responds to three distinct phases: 1) the event, 2) the re-entry, and 3) the recovery. During the event, the following immediate actions are completed: 1) stop work, 2) warn others (notify CMR), 3) isolate the area, 4) minimize exposure, and 5) close off unfiltered ventilation. These actions can take place simultaneously, as long as they are completed before proceeding to the re-entry phase. <u>CH TRU Mixed Waste</u> Prior to the re-entry following an event involving containers that are managed as CH TRU mixed waste, a Radiological Work Permit (RWP) is written for personnel to enter with protective clothing to assess the conditions, take surveys and samples, and mitigate problems that could compound the hazards in the area (cover up spilled material with plastic material sheeting and or any approved fixatives such as paint, place equipment in a safe configuration, etc.). During the re-entry phase, smears and air sample filters are taken and counted. This information is used by cognizant managers, RC personnel, and As Low As Reasonably Achievable (ALARA) Committee representatives to determine an appropriate course of action to recover the area. A plan to decontaminate and recover affected areas and equipment will be approved with a separate RWP	The required activities described in this section (as they apply to CH TRU mixed waste) are applicable to the current implementation of the RCRA Contingency Plan because the radiation event did involve at least one punctured/breached container of CH TRU mixed waste. However this container has been disposed in the underground HWDU. The applicability of activities described in	The required immediate actions were conducted prior to re-entry into the underground. Radiological Work Permits (RWPs) have been developed and implemented to address re-entry activities, including assessing the extent of radiological contamination, the conditions of the underground, and required PPE. Work Control Documents are written such that work can be carried out under the RWPs. A WIPP Recovery Plan is being developed, and these required activities will be integrated with the WIPP Recovery Plan and recovery process as appropriate for disposed waste.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	written to establish the radiological controls required for the recovery. During the recovery phase, the plan will be executed to utilize the necessary resources to conduct decontamination and/or overpacking operations as needed. The completion of this phase will occur prior to returning the affected area and/or equipment to normal activities. The recovery phase will include activities to minimize the spread of contamination to other areas. These activities will involve placing the waste material in another container; vacuuming the waste material; overpacking or plugging/patching the spilled, leaking, or punctured waste container; and/or decontaminating the affected area(s). If an affected surface cannot be decontaminated to releasable levels, it may be covered with a fixative coating and established as a Fixed Contamination Area to prevent spread of contamination, or it may be removed using heavy machinery and tools, packaged in approved waste containers, and emplaced in the underground. Every reasonable effort to minimize the amount of derived waste, while providing for the health and safety of personnel, will be made… … At the underground emplacement room, salt contaminated by a spill of CH TRU mixed waste would be either covered or cleaned up, depending on location, extent, and spilled material, due to potential radioactive contamination spread via the salt dust. The contaminated salt would be covered to isolate it from the workers, and the stacking of waste containers would resume or would be removed and packaged as site-derived waste using applicable site procedures for decontaminating surfaces… … Certain structures and/or equipment may be disassembled to facilitate decontamination or may be placed directly into a derived waste container. Items used in the spill cleanup and decontamination operations (e.g., swipes, tools, PPE, etc.) may also be placed into a derived waste container. When decontamination is deemed by the recovery team to be complete, RC personnel will conduct one final, intensive radcon survey of the area and components in the area to release it for uncontrolled use. The free release criteria for items, equipment, and areas is < 20 dpm/100 cm^2 for alpha radioactivity and < 200 dpm/100 cm^2 for beta-gamma radioactivity. Personnel will then perform hazardous material sampling after decontamination efforts are complete to verify the removal of hazardous waste substances. After cleanup is complete, facility personnel will complete an inspection and include the details of the spill and cleanup in the log.	this section, as they pertain to decontamination activities conducted under the current implementation of the RCRA Contingency Plan, will be addressed in the WIPP Recovery Plan.	
D-4d(10) Emergency	For the transition from emergency phase to cleanup phase, the following items will be complete:	The applicability of the activities described in	Required actions will be integrated with the WIPP Recovery Plan.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
Termination Procedures	• Emergency scene will be stable • Release of hazardous substance will be stopped • Reaction of hazardous substance will be controlled • The released hazardous substance will be contained within a localized and manageable area • The area of contamination will be adequately secure from unauthorized entry At every incident involving hazardous materials, there is a possibility that response personnel and their equipment will become contaminated. Emergency response personnel have procedures to minimize contamination or contact, and to properly dispose of contaminated materials. For nonemergencies and Incident Level I emergencies, the following methods of decontamination are available for personnel, environment, and/or equipment according to emergency response procedures: • Absorption • Adsorption • Chemical degradation • Dilution • Disposal • Isolation • Neutralization • Solidification Any necessary verification of air, soil, or water samples will be directed by the RCRA Emergency Coordinator. Immediately after an emergency, the RCRA Emergency Coordinator will provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the facility in accordance with standard operating procedures. For Level II and III incidents after the emergency itself is controlled and contained, the RCRA Emergency Coordinator will be responsible for the development and implementation of an incident-specific decontamination plan. PPE will be decontaminated or disposed according to procedure before it is returned to its storage location. As part of the facility's defense-in-depth approach, equipment will be assumed to be contaminated after each hazardous material response and a thorough check	this section, as they pertain to the current implementation of the RCRA Contingency Plan, will be addressed in the WIPP Recovery Plan.	

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	for radioactive contamination will be conducted. If contamination is found, a technically sound decontamination process will be followed. Many types of equipment are difficult to decontaminate and may have to be discarded as hazardous or derived waste. Whenever possible, pieces of equipment will be disposable or made of nonporous material. If radioactive contamination is detected on equipment or on structures, it will be assumed that hazardous constituents may also be present. Radiological surveys to determine whether a potential release of hazardous constituents has occurred (Permit Attachment I3) will be used along with other techniques as a detection method to determine when decontamination is required. Radiological cleanup standards will be used to determine the effectiveness of decontamination efforts. To provide verification of the effectiveness of the removal of hazardous waste constituents, once a contaminated surface is demonstrated to be radiologically clean, the “swipe” can be sent for analysis for hazardous constituents. The use of these confirmation analyses is as follows: For waste containers, the analyses become documentation of the condition of the container at the time of emplacement. These containers will be placed in the underground without further action, once the radiological contamination is removed, unless there is visible evidence of hazardous waste spills or hazardous waste on the container and this contamination is considered likely to be released prior to emplacement in the underground. In no case shall these containers contain a total liquid content equal to, or which exceeds, one volume percent of the container. For area contamination, once the area is cleaned up and is shown to be radiologically clean, it will be sampled for the presence of hazardous waste residues. If the area is large, a sampling plan will be developed. The sampling plan will be approved by the NMED before it is implemented. If the area is small, swipes will be used. If the results of the analysis show that residual contamination remains, a decision will be made whether further cleaning will be beneficial or whether final clean up will be deferred until closure. Appropriate notations will be entered into the operating record to assure proper consideration of formerly contaminated areas at the time of closure. Furthermore, measures such as covering, barricading, and/or placarding will be used as needed to mark areas that remain contaminated. For all Contingency Plan emergency responses, the RCRA Emergency Coordinator will ensure, in keeping with standard operating procedures, that, in the affected area(s) of the facility: • No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed		

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	• All emergency equipment listed in the Contingency Plan is cleaned and fit for its intended use, or replaced before operations are resumed		
D-4e Prevention of Recurrence or Spread of Fires, Explosions, or Releases	During an emergency, the RCRA Emergency Coordinator will ensure that reasonable measures are taken so that fires, explosions, and releases do not occur, recur, or spread to TRU mixed waste or other hazardous materials at the facility, as required under 20.4.1.500 NMAC (incorporating 40 CFR §§264.56(e) and (f)). These measures include: • Stopping processes and operations. • Collecting and containing released wastes and materials. • Removing or isolating containers of waste or hazardous substances posing a threat. • Ensuring that wastes managed during an emergency are handled, stored, or treated with due consideration for compatibility with other wastes and materials on site and with containers utilized (Section D-4h). • Restricting personnel not needed for response activities from the scene of the incident. • Evacuating the area. • Curtailing nonessential activities in the area. • Conducting preliminary inspections of adjacent facilities and equipment to assess damage. • Overpacking and/or removing damaged containers/drums from affected areas. Damaged equipment and facilities will be repaired as appropriate. • Constructing, monitoring, and reinforcing temporary dikes as needed. • Maintaining fire equipment on standby at the incident site in cases where ignitable liquids have been or may be released and ensuring that all ignition sources are kept out of the area. Ignitable liquids will be segregated, contained, confined, diluted, or otherwise controlled to preclude inadvertent explosion or detonation. No operation that has been shut down in response to the incident will be restarted until authorized by the RCRA Emergency Coordinator. Sections D-4g, Incompatible Waste, and D-4h, Post-Emergency Facility and Equipment Maintenance and Reporting, address specific issues related to decreasing the possibility of a recurrence or spread of a release, a fire, or an explosion. After resolution of the incident, a Root Cause Analysis will be conducted to review all Level II and Level III incidents for determination of cause, and the corrective action plan to prevent recurrence.	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	At the time of the radiation release, many of these measured were implemented, but they are no longer applicable to this event. Any remaining threats will be addressed in response to the NMED's third administrative order, which required the Permittees to develop an expedited closure plan for Panel 6 and Panel 7, Room 7. Required actions associated with closure of the affected areas will be integrated with the WIPP Recovery Plan.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
D-4f Management and Containment of Released Material and Waste	Once initial release or spill containment has been completed, the RCRA Emergency Coordinator will ensure that recovered hazardous materials and waste are properly stored and/or disposed, as required by 20.4.1.500 NMAC (incorporating 40 CFR §264.56(g)). For spills of liquid, the perimeter of the spill will be diked with an absorbent material that is compatible with the material(s) released. Free-standing liquid will be transferred to a marked compatible container. The remaining liquid will be absorbed with an absorbent material and swept or scooped into a marked compatible container. Spill residue will be removed. Spills of dry material will be swept or shoveled into a labeled compatible recovery container. Material recovered from the spill will be transferred to clean containers or tanks or to containers or tanks that have held a compatible material. All containers will meet DOT specifications for shipping the wastes, and materials will be recovered. Nonradioactive hazardous waste resulting from the cleanup of a fire, an explosion, or a release involving a nonradioactive hazardous waste or hazardous substance at the WIPP facility will be contained and managed as a hazardous waste until such time as the waste is disposed of, or determined to be nonhazardous, as defined in 20.4.1.200 NMAC (incorporating 40 CFR §261) Subparts C and D. In most cases, hazardous materials inventories for the various buildings and areas at the facility will allow a determination of the hazardous materials present in any cleanup of a release or of the residues from an emergency condition (The quantities of such spills are so small, it is not likely to trigger an Incident Level II or III). When necessary samples of the waste will be collected and analyzed to determine the presence of any hazardous characteristics and/or hazardous waste constituents; this information is needed to evaluate disposal options. EPA-approved sampling and analytical methods will be utilized. Hazardous wastes will be transferred to the Hazardous Waste Staging Area. The staging area is used to store hazardous waste awaiting transfer to an off-site treatment or disposal facility in accordance with applicable regulations (e.g., 20.4.1 NMAC and DOT regulations). The Hazardous Waste Staging Area for nonradioactive hazardous waste is Buildings 474A and 474B, as shown in Figure D-1. Nonradioactive hazardous wastes will be shipped off-site for disposal at a RCRA permitted disposal facility. Under normal operations, administrative controls will be implemented to ensure that hazardous materials and incompatible materials will not be introduced to the radioactive materials area during TRU mixed waste handling operations. Examples of administrative controls include restricting the waste received in the TRU mixed waste management area(s) to TRU mixed waste properly manifested from the generator sites and ensuring that materials used in these area(s) are restricted to only those that have previously been determined to be compatible	The applicability of the activities described in this section, as they pertain to the current implementation of the RCRA Contingency Plan, will be addressed in the WIPP Recovery Plan.	Required actions will be integrated with the WIPP Recovery Plan.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	with the TRU mixed waste. The RCRA Emergency Coordinator will have access to building design information and information on specific equipment used within an area upon which to base a determination of the compatibility of materials with the area. If necessary, the RCRA Emergency Coordinator will use EPA-600/2-80-076, "A Method for Determining the Compatibility of Hazardous Waste," (EPA, 1980) for making compatibility determinations. Waste resulting from the cleanup of a fire, explosion, or release in the miscellaneous unit, the CH TRU mixed waste handling areas, or the RH Complex will be considered derived from the received TRU mixed waste and may be treated and managed as CH TRU mixed waste depending on the surface dose rate. In the event of a prolonged cessation of TRU mixed waste handling operations, TRU mixed waste can be placed in areas of the WHB Unit that are available for such contingencies. These areas and the TRU mixed waste containers in them would be located so that adequate aisle space would be maintained for unobstructed movement of personnel and equipment in an emergency. Permit Attachments A1 and A2 describe the HWMUs in detail, including the facility description, support structures and equipment, security, waste handling areas, ventilation, and fire protection. The contaminated area will be decontaminated. If a release is to a permeable surface, such as soil, asphalt, concrete, or other surface, the surface material will be removed and placed in containers meeting applicable DOT requirements. Contaminated soil, asphalt, concrete, or other surface material, as well as materials used in the cleanup (e.g., rags and absorbent material) will be contained and disposed of in the same manner as dictated for the contaminant. Clean soil, new asphalt, or new concrete will be emplaced at the spill location. If a spill occurs on an impermeable surface, the surface will be decontaminated with water and/or a detergent. In the event that the spilled material is water reactive, a compatible nonhazardous cleaning solution will be used. Contaminated wash water or cleaning solution will be transferred to an appropriate container, marked, and managed as described above for nonradioactive or radioactive liquid wastes. In the event of a hazardous material or hazardous waste release, the RCRA Emergency Coordinator will ensure that no wastes will be received or disposed of in the affected areas until cleanup operations have been completed. This is to ensure that incompatible waste will not be present in the vicinity of the release. Because of the restrictions which the WIPP facility places on generators, and because of control of WIPP operations, TRU mixed wastes and derived wastes will not contain any incompatible wastes. However, the areas established for the temporary holding of nonradioactive waste routinely generated at the WIPP facility is divided into bays to accommodate the management of wastes that may		

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	be incompatible. If waste is generated as the result of a spill or release of hazardous materials or nonradioactive hazardous waste, the waste generated as a result of abatement and cleanup will be evaluated to determine its compatibility with other wastes being managed in the temporary holding areas. The evaluation will be by identifying the material or waste that was spilled or released and determining its characteristics (e.g., ignitable, reactive, corrosive, or toxic). The waste generated by the abatement and cleanup activities will be stored in that part of the temporary holding area that has been established to manage wastes with which it is compatible. For small nonemergency liquid spills (e.g., a detergent solution leaking out of the pump handle during decontamination, a spill of hydraulic fluid while servicing a vehicle), spill control procedures will be used to contain and absorb free-standing liquid. The contaminated absorbent will be swept or shoveled into a compatible container and managed as described above. No notifications will be required, but site procedures require documentation of the incident.		
D-4g Incompatible Waste	Implementation of the TSDF-WAC for the WIPP ensures that incompatible TRU mixed waste will not be shipped to the WIPP facility. Nonradioactive waste at the WIPP facility will be carefully segregated during handling and holding and will be transported within and off the facility. The RCRA Emergency Coordinator will not allow hazardous or TRU mixed waste operations to resume in a building or area in which incompatible materials have been released prior to completion of necessary post-emergency cleanup operations to remove potentially incompatible materials. In making the determination of compatibility, the RCRA Emergency Coordinator will have available the resources and information described in Section D-4b, Identification of Hazardous Materials. In addition, ES&H department personnel will be available for consultation. Finally, the RCRA Emergency Coordinator may use EPA-600/2-80-076, (EPA, 1980).	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	These requirements are addressed using site standard operating procedures.
D-4h Post-Emergency Facility and Equipment Maintenance Reporting	The RCRA Emergency Coordinator will ensure that emergency equipment that is located or used in the affected area(s) of the facility and listed in the Contingency Plan is cleaned and ready for its intended use before operations are resumed, as specified in 20.4.1.500 NMAC (incorporating 40 CFR §264.56(h)(2)). Any equipment that cannot be decontaminated will be discarded as waste (e.g., hazardous, mixed, solid), as appropriate. The WIPP facility is committed to replacing any needed equipment or supplies that cannot be reused following an emergency. After the equipment has been cleaned, repaired, or replaced, a post-emergency facility and equipment inspection will be performed, and the results will be documented. Cleaning and decontaminating equipment will be accomplished by physically removing gross or solid residue; rinsing with water or another suitable liquid, if	The applicability of the activities described in this section, as they pertain to the current implementation of the RCRA Contingency Plan, will be addressed in the WIPP Recovery Plan.	Required actions will be integrated with the WIPP Recovery Plan.

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
	required; and/or washing with detergent and water. Decontamination and cleaning will be conducted in a confined area, such as a wash pad or building equipped with a floor drain and sump isolated from the environment. Care will be taken to prevent wind dispersion of particles and spray. Liquid or particulate resulting from cleaning and decontamination of equipment will be placed in clean, compatible containers. Waste produced in an emergency cleanup in the TRU mixed waste handling areas is derived waste and will be emplaced in the underground derived waste emplacement area. Waste resulting from decontamination operations elsewhere in the WIPP facility will be analyzed for hazardous waste constituents and/or hazardous waste characteristics to ensure proper management. When the WIPP facility has completed post-emergency cleanup of waste and hazardous residues from areas where waste management operations are ready to resume and the RCRA Emergency Coordinator has ensured that emergency equipment used in managing the emergency has been cleaned or replaced and is fit for service, the notifications will be made by the Permittees to the following: the EPA Region VI Administrator; the Secretary of the NMED; and any relevant local authorities. This post-emergency notification complies with 20.4.1.500 NMAC (incorporating 40 CFR §264.56(i)), and is the responsibility of the RCRA Emergency Coordinator.		
D-5 Emergency Equipment	A variety of equipment is available at the facility for emergency response, containment, and cleanup operations in both the HWMUs and the facility in general. This includes equipment for spill control, fire control, personnel protection, monitoring, first aid and medical attention, communications, and alarms. This equipment is immediately available to emergency response personnel. A listing of major emergency equipment available at the WIPP facility, as required by 20.4.1.500 NMAC (incorporating 40 CFR §264.52(e)), is shown in Table D-6. Table D-7 identifies the locations where fire suppression systems are provided. Locations of the underground emergency equipment are shown in Figure D-5. The firewater-distribution system map is shown in Figure D-6. The underground fuel area fire-protection system is shown in Figure D-7.	Descriptive text.	Emergency equipment available as specified.
D-7 Evacuation Plan	If it becomes necessary to evacuate the WIPP facility, the assigned on-site and off-site staging areas have been established. The off-site staging areas are outside the security fence. The WIPP facility has implementation procedures for both surface and underground evacuations. Drills are performed on these procedures at the WIPP facility at least once annually. The following sections describe the evacuation plan for the WIPP facility, as required under 20.4.1.500 NMAC (incorporating 40 CFR §264.52(f)).	Descriptive text.	No actions required.
D-8	In accordance with 20.4.1.500 NMAC (incorporating 40 CFR §264.56(i)), the	The required activities	Required actions will be integrated

RCRA Contingency Plan Section	RCRA Contingency Plan Text	Applicability to the February 14, 2014, Event	Current Status/Schedule/Deviations
Required Reports	Permittees will notify the Secretary of the NMED and EPA Region VI Administrator that the WIPP facility is in compliance with requirements for the cleanup of areas affected by the emergency and that emergency equipment used in the emergency response has been cleaned, repaired, or replaced and is fit for its intended use prior to the resumption of waste management operations in affected areas. The means the WIPP facility will use to meet these requirements are described in Sections D-4e, D-4f, D-4g, and D-4h.	described in this section are applicable to the current implementation of the RCRA Contingency Plan.	with the WIPP Recovery Plan.
D-9 Location of the Contingency Plan and Plan Revisions	The owner/operator of the WIPP facility will ensure that copies of this Contingency Plan are available to all emergency personnel and organizations described in Section D-2. When the Contingency Plan is revised, updated copies are manually distributed (electronically or via site mail) or hand delivered to applicable WIPP Facility emergency personnel and alternate Emergency Operations Center and Joint Information Center. In addition, the owner/operator will make copies available to the following outside agencies: • Intrepid Potash NM LLC and Mosaic Potash Carlsbad Inc. • Carlsbad Fire Department, Carlsbad • Carlsbad Medical Center, Carlsbad • Lea Regional Medical Center, Hobbs • Otis Fire Department, Otis • Hobbs Fire Department, Hobbs • Joel Fire Department, Carlsbad • BLM, Carlsbad • New Mexico State Police The owner/operator of the WIPP facility will ensure that this plan is reviewed annually and amended whenever: • Applicable regulations are revised • The RCRA Part B permit for the WIPP facility is revised in any way that would affect the Contingency Plan • This plan fails in an emergency • The WIPP facility design, construction, operation, maintenance, or other circumstances change in a way that materially increases the potential for fires, explosions, or releases of hazardous waste or hazardous constituents or change the response necessary in an emergency • The list of RCRA Emergency Coordinators change • The list of WIPP facility emergency equipment changes.	The required activities described in this section are applicable to the current implementation of the RCRA Contingency Plan.	Copies of the RCRA Contingency Plan are available as described.

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 (reserved)