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

APR 1 4 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, PO Box 5496
Santa Fe, NM 87502-5469

Subject: April 6, 2014, Weekly Report as Requested per Item 14 of the February 28, 2014, NMED Administrative Order

Dear Mr. Kieling and Mr. Blaine:

The purpose of this letter is to transmit the weekly report for the week ending April 6, 2014, as required by Item 14 of the February 28, 2014, Administrative Order issued under the New Mexico Hazardous Waste Act § 74-4-13 from Ryan Flynn to Jose R. Franco, M. Farok Sharif, George W. Hellstrom, and Dennis N. Cook. 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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Weekly Status Report for the February 28, 2014, New Mexico Environment Department Administrative Order Required Information Report for the Reporting Period March 31, 2014, through April 6, 2014

14 (a) All Permit-related inspection and monitoring actions taken by the Permittees for this reporting period.

The following are the Permit-related inspections taken for this reporting period:

- See Attachment 1, *Surface Inspections*.

The following are the Permit-related monitoring actions taken for this reporting period:

- *Volatile Organic Compound (VOC) Monitoring*: See Attachment 4, *Environmental Monitoring.*

Surface Volatile Organic Compound (VOC) monitoring is being conducted in lieu of underground monitoring during re-entry and recovery operations. 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. The collection method is detailed in procedure WP 12-VC1685, *Subatmospheric and Pressurized Air Sampling in Passivated Canisters*. Exposure to VOCs by the non-waste worker in the Training Building is minimal since the majority of these employees are not working at the WIPP facility at this time.

Mode: The VOC monitors are portable.

Frequency: Twice weekly at both locations.

Status: Twenty-four (24) hour samples have been collected as discussed above. See Attachment 4 for analytical data for this reporting period.

14 (b) Actions taken with regard to TRU waste shipments that were en-route since February 5, 2014.

Response provided in the initial, March 17, 2014, submittal.

14 (c) 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.

See Attachment 2, *TRU Mixed Waste Currently in Storage at the WIPP Facility*. All waste is currently being stored in the Waste Handling Building.

14 (d) Information specifying the deadlines for each individual waste assembly as it relates to this Order.

See Attachment 2.

14 (e) 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.

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

14 (f) Location of any environmental monitoring equipment, including identification 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.

Attachment 4, *Environmental Monitoring,* includes tables with the locations of environmental monitoring equipment (including identification whether they are stationary, mobile, or permanent) and data. 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 as described in Item 14 (a) of the March 17, 2014, report. Sample analysis is provided in Attachment 4.

- Meteorological monitoring data are being provided on the enclosed compact disc. Data from the WIPP meteorology station are included for the reporting period.

- 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 – Surface water and sediment samples are taken from earthen tanks that are frequently "dry" during the year. If water is present, sediment samples may be obtained in combination with water samples. 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.

14 (g) The status of surface ventilation fans and timeline of operation since January 1, 2014.

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

14 (h) Exhaust Filter Building HEPA filter differential pressure data beginning February 14, 2014.

See Attachment 5, *Filter Differential Pressures,* and the Excel spreadsheet provided on the enclosed compact disc.

14 (i) Derived waste origin and volume (total per container) container type, specific locations (i.e., where it is being stored) and if mixed or non-mixed.

No derived waste has been generated as a result of recovery activities.

Attachment 1
Surface Inspections

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	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	4/4/14	
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Due 3/31/14	No underground inspections due to Fire/Rad events. No personnel allowed in this area of the facility pending finalization and implementation of reentry plans.
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	4/4/14	
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	Preoperational	No underground inspections due to Fire/Rad events. No personnel allowed in this area of the facility pending finalization and implementation of reentry plans

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
MSHA Air Quality Monitor	Maintenance/Underground Operations	Daily	WP 12-IH1828 Inspecting for Air Quality Monitoring Equipment Functional Check	4/4/14	Functional check performed prior to underground entry.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	4/6/14	
Fire Detection and Alarm System	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	Inspection Current Completed 1/7/14 Due 7/7/14	
Fire Extinguishers	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Inspection Current Completed 3/28/14	
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031 Inspecting for Deterioration and Leaks/Spills	Inspection Current Completed 3/26/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Fire Hydrants	Emergency Services	Semi-annual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	Inspections Current 5-year Test Completed 11/23/13 Semi-Annual Completed 3/28/14	
Fire Pumps	Emergency Services	Weekly/annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	Inspections Current Completed 3/31/14	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Inspections Current Completed 4/1/14, 4/2/14	
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	Inspections Current Completed 4/4/14	
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Inspections Current Completed 4/1/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Personal Protective Equipment (not otherwise contained in emergency vehicles or issued to individuals): —Self-Contained Breathing Apparatus	Emergency Services	Weekly	12-FP0029 Inspecting for Deterioration and Pressure	Inspections Current Completed 4/5/14	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Inspection Current Completed 4/3/14	
Vehicle Siren	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Inspections Current Completed 4/3/14, 4/4/14, 4/6/14	
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	Inspections Current Completed 4/2/14 (162-T-034) (41-T-035)	
Facility Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1204 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles, and guards in the proper place	Inspections Current Completed 3/27/14 (41-H-020A) (41-H-020B)	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Conveyance Loading Car	Waste Handling	Preoperational	WP 05-1406 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles and guards in the proper place	Last completed 2/5/14	Based upon plant configuration due to the fire and radiological event, no waste downloading to the U/G has been performed.
Forklifts Used for Waste Handling (Electric and Diesel forklifts, Push-Pull Attachment)	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	Inspections Current Completed 4/4/14 (41-H-012E) (74-H-010B) (41-H-009) (41-H-012D) Push-Pull Attachment Completed 4/4/14 (41-T-160B)	
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	Inspections Current Completed 4/6/14 (Pre-operational) Completed 3/31/14 (Weekly) Completed 4/6/14 (Surge Area)	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Completed 12/31/13	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
TDOP Upender	Waste Handling	Preoperational	WP 05-WH1010 Inspecting for Mechanical Operability and Deterioration	Completed 10/9/13	No change, this is an operational inspection and not needed for normal or daily operations.
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Inspections Current Completed 4/2/14 (41-T-151C) (41-T-151D)	
Push-Pull Attachment	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Inspection Current Completed 4/4/14 (41-T-160B)	
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Inspection Current Completed 4/4/14 (41-H-151A) (41-H-151B)	
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Inspection Current Completed 3/27/14 (41-T-053A) (41-T-054A)	This inspection is for the bolting station.
Yard Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1205 Mechanical Operability, clear of obstacles and Guards in proper place	Inspection Current Completed 3/27/14 (41-H-021B)	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	Inspection Current Completed 3/27/14 (41-H-027)	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Payload Transfer Station	Waste Handling	Preoperational	WP 05-WH1208 Mechanical Operability, Deterioration, and Guards in proper place	Inspection Current Completed 3/27/14	
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.	Inspections Current Completed 3/30/14	
Central Monitoring System (CMS)	Facility Operations	Continuous	Automatic Self-Checking	Inspection Current (Automatic)	
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	Inspections Current Completed 3/27/14	
Public Address (and Intercom System)	Facility Operations	Monthly	WP 04-PC3017 Testing of PA and Underground Alarms and Mine Page Phones at essential locations Systems operated in test mode	Inspection Current Completed 3/27/14	
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	Inspections Current Completed 4/6/14	

System/Equipment Name	Responsible Organization	Inspection Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Uninterruptible Power Supply (Central UPS)	Facility Operations	Daily	WP 04-ED1542 Inspecting for Mechanical Operability and Deterioration with no malfunction alarms. Results of this inspection are logged in accordance with WP 04-AD3008.	Inspection Current Completed 4/6/14	
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.	Inspection Current Completed 4/6/14	
Facility Inspections (Water Diversion Berms)	Facility Engineering	Annually	WP 10-WC3008 Inspecting for Damage, Impediments to water flow, and Deterioration	Inspections Current Completed 9/25/13	
Eye Wash and Shower Equipment	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	3/31/14 – 4/3/14*	* Eye wash stations in hazardous waste management areas have been performed. Other surface eye wash station inspections are being performed as areas become accessible/occupied.
Perimeter Fence, Gates, Signs	Security	Daily	PF0-010 Inspecting for Deterioration and Posted Warnings	Inspections Current Completed 4/6/14	Fence line is inspected 8 times in a 24-hour period with no problems detected during the week of March 31, 2014, through April 6, 2014.
Ventilation Exhaust	Maintenance Operations	Quarterly	IC041098 Check for Deterioration and Calibration of Mine Ventilation Rate Monitoring Equipment	41F30703 Fan A 11/9/13 41F30704 Fan B 5/20/13 41F30702 Fan C 12/18/13	No underground inspections due to Fire/Rad events. Fans are not in use and fans are undergoing maintenance.

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	Package	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	5/17/2014 8:15	169	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	5/17/2014 8:15	169	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	5/17/2014 8:32	195	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	5/17/2014 8:34	195	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	5/17/2014 12:40	172	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	5/17/2014 14:25	127	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	5/17/2014 14:26	127	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	5/18/2014 10:17	166	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	5/18/2014 10:24	168	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	5/19/2014 12:14	3	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	5/19/2014 13:15	210	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	5/19/2014 13:15	210	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	5/19/2014 14:37	509	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	5/20/2014 9:04	186	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	5/20/2014 9:31	125	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	5/20/2014 9:37	203	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	5/20/2014 12:22	505	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	5/20/2014 12:55	208	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	5/20/2014 13:51	193	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	5/20/2014 13:52	193	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	5/20/2014 16:38	190	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	5/20/2014 16:44	126	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	5/20/2014 17:50	162	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	5/20/2014 17:51	201	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	5/20/2014 17:51	162	SR139766	4-55G Drums	29.6
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:35	3/23/2014 10:35	2/4/2014 17:52	5/20/2014 17:52	201	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	5/21/2014 8:34	156	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	5/21/2014 8:36	156	LA139966	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Package	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	4/4/2014 9:35	2/5/2014 9:12	5/21/2014 9:12	133	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	5/21/2014 9:13	133	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	5/21/2014 9:32	147	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	5/27/2014 9:12	191	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	5/27/2014 9:13	191	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	5/27/2014 9:13	137	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	5/27/2014 10:00	181	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	5/27/2014 10:43	202	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	5/27/2014 11:00	167	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	5/27/2014 11:02	142	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	7/9/2014 9:33	4	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	7/9/2014 13:19	135	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	7/9/2014 13:20	135	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	7/9/2014 17:04	155	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	7/9/2014 17:05	155	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	7/9/2014 18:30	6	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	7/9/2014 18:40	160	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	7/9/2014 18:43	160	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	7/10/2014 10:31	512	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	7/10/2014 12:48	163	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	7/10/2014 12:50	163	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	7/10/2014 14:04	1	SR139793	1 SLB2	261
INL	IN140043	2/5/2014 0:30	2/1/2014 11:40	4/1/2014 11:40	3/27/2014 14:51	7/10/2014 14:51	501	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	7/10/2014 15:34	136	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	7/10/2014 15:37	136	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	7/10/2014 18:08	515	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	7/10/2014 18:30	132	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	7/10/2014 18:36	132	IN140085	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	ICV Closure Date/Time	Venting Deadline	Venting Date	WHB Deadline	Package	Assembly	Unemplaced Contents	Waste Volume[1] (ft^3)
INL	IN140045	2/6/2014 1:27	2/3/2014 13:48	4/3/2014 13:48	3/27/2014 19:24	7/10/2014 19:24	508	IN140066	1 SWB	66.3
---	19 Shipments	---	---	---	---	---	41 Packages	57 Assemblies	144 Containers	5,137.40 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)
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 By Pass
Sec	Secured
STBY	Standby
Tag	Tagged Out
DP	Differential Pressure
″wc	Inches Water Column

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 3-31-14 - 4-6-14

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
413-CP-056-01C																			
860A U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]		58 3	58 3	58 3	59 3	58 3	59 3	58 3	59 3	59 3	59 3	58 3	58 3	58 3	58 3	58 3
413-CP-056-01D																			
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
413-CP-056-01E																			
860C U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]		SEC	SEC	Sec	SEC	Sec	SEC	Sec	SEC	Sec	SEC	Sec	SEC	Sec	SEC	Sec
413-CP-307-01J																			
700A U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 4	TAG 4	Tag 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	Tag 4	TAG 4	TAG 4	TAG 4	Tag 4	TAG 4	TAG 4
413-CP-307-01K																			
700B U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 5	TAG 5	Tag 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	Tag 5	TAG 5	TAG 5	TAG 5	Tag 5	TAG 5	TAG 5
413-CP-307-01H																			
700C U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]		TAG 6	TAG 6	Tag 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	Tag 6	TAG 6	TAG 6	TAG 6	Tag 6	TAG 6	TAG 6

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 ALARM O.O.S. (AR#1307583) 3 READING TAKEN IN CMR 5 OUT OF SPEC (AR# 113255) 6 OUT OF SPEC (AR# 113258)
2 ALARM O.O.S. (AR#1307584) 4 OUT OF SPEC. (AR#113257)

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

Date: 3/31/14 4/6/14

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				-.12	-.14		-.11		-.11		-.11		-.11		-.11		-.11	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.11	-.10		-.11		-.10		-.10		-.11		-.11		-.10	
SITE GEN WASTE RM. PDD-026C "wc				-.01	-.03		-.03		-.01		-.03		-.03		-.03		-.03	
EQUIP DECON RM. PDD-026D "wc				-.10	-.10		-.09		-.08		-.10		-.09		-.09		-.09	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.11	-.11		-.11		-.11		-.11		-.10		-.11		-.11	
CAGE LOADING ROOM PDD-006 "wc				.13	.14		.16		.13		-.14		.09		.12		.11	
AIRLOCK ROOM 107 PDD-007 "wc				-.09	-.10		-.07		-.08		-.10		-.07		-.06		-.07	
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	114	116	115	115	116	117	117	117	117 (2)	118	118 (2)	115 (1)
K-015 AQUADEX INDICATOR		BLUE [A]		✓	✓	✓	✓	✓	✓	(1)	(1)	(1)	(1)	(1)	(1) (2)	(1)	(1)	(1)
K-015 AUTO BLOWDOWNS /TEST		SAT [A]		✓		✓		✓		✓		✓		✓	21,040514	✓		✓
K-015 DRYER MODE		AMLOC [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

COMMENTS: (1) Turning Pink 4/2/14 SM 4-2-14, A.R.# 1403067 (2) 41-K-015, Low Pressure Alarm - Awaiting Vendor For Testing

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

Date: 3/31/14 4/6/14

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

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

COMMENTS:

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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

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/26/2014	3/28/2014	8942	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
3/26/2014	3/28/2014	8942	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/26/2014	3/28/2014	8942	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/26/2014	3/28/2014	8942	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/26/2014	3/28/2014	8942	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.26 J
3/26/2014	3/28/2014	8942	Training Building	Chlorobenzene	108-90-7	0.4	U
3/26/2014	3/28/2014	8942	Training Building	Chloroform	67-66-3	0.4	0.28 J
3/26/2014	3/28/2014	8942	Training Building	Methylene Chloride	75-09-2	0.4	U
3/26/2014	3/28/2014	8942	Training Building	Toluene	108-88-3	0.4	0.12 J
3/26/2014	3/28/2014	8942	Training Building	Trichloroethylene *	79-01-6	0.4	0.18 J
3/26/2014	3/28/2014	8943	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.12 J
3/26/2014	3/28/2014	8943	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	Chloroform	67-66-3	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/26/2014	3/28/2014	8943	South Fenceline	Toluene	108-88-3	0.4	0.14 J
3/26/2014	3/28/2014	8943	South Fenceline	Trichloroethylene *	79-01-6	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:

* 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.

4/7/2014 10:59 AM

Validated VOC Monitoring Data – Surface Sampling at the WIPP

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/27/2014	3/28/2014	8946	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	0.08 J
3/27/2014	3/28/2014	8946	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/27/2014	3/28/2014	8946	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/27/2014	3/28/2014	8946	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/27/2014	3/28/2014	8946	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.44
3/27/2014	3/28/2014	8946	Training Building	Chlorobenzene	108-90-7	0.4	U
3/27/2014	3/28/2014	8946	Training Building	Chloroform	67-66-3	0.4	U
3/27/2014	3/28/2014	8946	Training Building	Methylene Chloride	75-09-2	0.4	U
3/27/2014	3/28/2014	8946	Training Building	Toluene	108-88-3	0.4	0.18 J
3/27/2014	3/28/2014	8946	Training Building	Trichloroethylene *	79-01-6	0.4	0.56
3/27/2014	3/28/2014	8946	Training Building	Acetone	67-64-1		1.24 NJ
3/27/2014	3/28/2014	8946	Training Building	Pentane	109-66-0		1.54 NJ
3/27/2014	3/28/2014	8947	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
3/27/2014	3/28/2014	8947	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	Chloroform	67-66-3	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/27/2014	3/28/2014	8947	South Fenceline	Toluene	108-88-3	0.4	0.18 J
3/27/2014	3/28/2014	8947	South Fenceline	Trichloroethylene *	79-01-6	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).

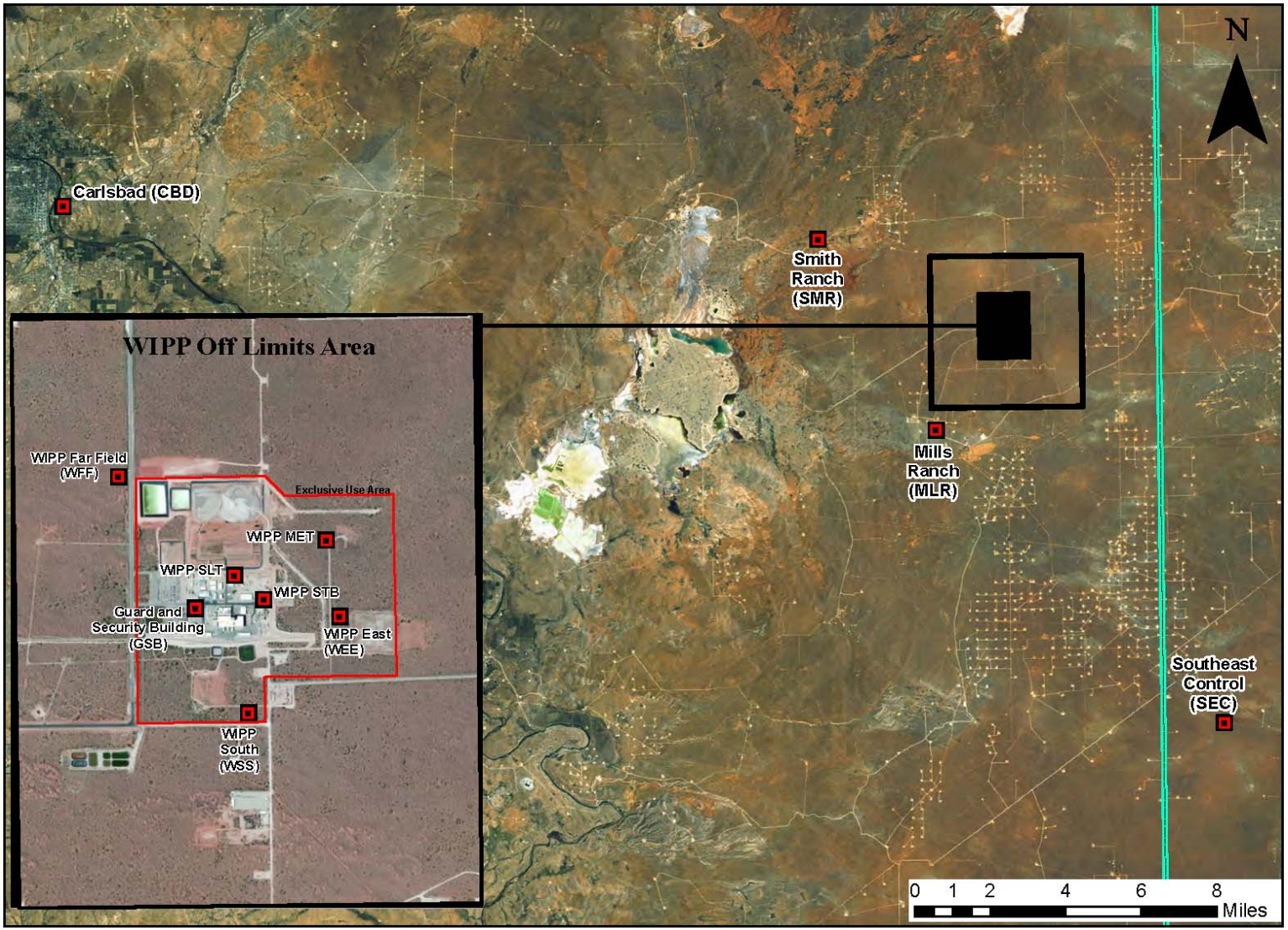
Notes:

* 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.

4/7/2014 10:59 AM

Location of Sampling Sites

Locations: Low Volume Air Sampling, Soil Sampling, Vegetation, 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 Valid Metdata 3/31/14-4/6/14

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
3/31/2014 0:15	61023	15	90	1.864	2.945	188.7	2.945	188.7	10.63	4.574	177	7.436	17.89	18.37	18.39	0.48	0.501	44.09	5.512	0.498	888	0
3/31/2014 0:30	61024	15	90	2.643	3.994	166.2	3.994	166.2	8.12	6.331	165.9	4.162	18.04	18.47	18.71	0.426	0.668	44.29	5.715	0.8	888	0
3/31/2014 0:45	61025	15	90	2.741	4.314	160.5	4.314	160.5	7.387	6.876	161.9	3.8	17.87	18.23	18.41	0.353	0.536	44.7	5.695	0.853	888	0
3/31/2014 1:00	61026	15	90	3.326	5.109	154.5	5.109	154.5	6.487	7.664	158.3	3.1	17.7	18.02	18.23	0.315	0.527	45.75	5.871	0.87	887	0
3/31/2014 1:15	61027	15	90	3.211	5.022	146.9	5.022	146.9	6.249	7.645	155.1	3.179	17.36	17.72	18.09	0.367	0.734	46.82	5.895	0.848	887	0
3/31/2014 1:30	61028	15	90	2.233	3.801	151.5	3.801	151.5	8.07	6.906	158.2	3.548	16.97	17.39	17.95	0.415	0.981	47.77	5.834	0.801	887	0
3/31/2014 1:45	61029	15	90	1.372	2.748	159.4	2.748	159.4	16.31	5.902	167.1	5.418	16.34	17	17.95	0.655	1.604	49.33	5.718	0.645	887	0
3/31/2014 2:00	61030	15	90	0.786	1.391	186.1	1.391	186.1	25.59	3.84	168	6.257	15.9	16.75	17.33	0.85	1.42	50.3	5.594	0.464	887	0
3/31/2014 2:15	61031	15	90	0.984	1.545	185.8	1.545	185.8	15.39	4.08	180.1	5.934	15.37	16.69	17.43	1.317	2.055	50.8	5.243	0.538	888	0
3/31/2014 2:30	61032	15	90	0.939	2.083	167.4	2.083	167.4	7.278	4.603	194.9	4.495	14.03	16.44	18.47	2.402	4.435	53.83	4.831	0.451	888	0
3/31/2014 2:45	61033	15	90	1.203	2.06	156.4	2.06	156.4	8.91	4.204	201.3	5.062	12.87	16.43	18.61	3.557	5.738	56.46	4.43	0.444	888	0
3/31/2014 3:00	61034	15	90	0.911	2.687	166.8	2.687	166.8	7.873	3.936	208	8.35	11.87	16.8	18.3	4.933	6.43	58.67	4.036	0.525	888	0
3/31/2014 3:15	61035	15	90	0.463	2.2	167.2	2.2	167.2	6.602	3.829	207.7	6.955	13.14	15.24	17.66	2.101	4.524	54.5	4.179	0.602	888	0
3/31/2014 3:30	61036	15	90	0.502	1.469	174.3	1.469	174.3	8.75	3.089	225.5	9.6	13.36	15.2	18.22	1.839	4.855	53.37	4.093	0.544	888	0
3/31/2014 3:45	61037	15	90	0.355	1.484	179.2	1.484	179.2	5.884	3.205	247.3	4.803	11.71	15.51	18.57	3.803	6.865	56.14	3.255	0.586	888	0
3/31/2014 4:00	61038	15	90	0.515	1.849	176.8	1.849	176.8	5.877	4.033	252.8	4.296	11.69	15.89	18.97	4.202	7.284	57.72	3.637	0.588	888	0
3/31/2014 4:15	61039	15	90	1.08	1.965	187.1	1.965	187.1	16.3	3.952	253	6.932	11.21	16.61	19	5.407	7.79	58.65	3.412	0.602	888	0
3/31/2014 4:30	61040	15	90	0.713	1.441	237.5	1.441	237.5	34.61	4.189	276.9	13.7	10.79	16.71	18.62	5.916	7.83	58.31	2.942	0.53	888	0
3/31/2014 4:45	61041	15	90	1.25	3.407	282.1	3.407	282.1	5.291	7.341	279.4	2.754	11.99	18.14	20.83	6.156	8.84	49.94	1.828	0.808	888	0
3/31/2014 5:00	61042	15	90	0.942	3.291	258.2	3.291	258.2	7.373	5.798	268.4	5.003	14.15	18.99	20.67	4.844	6.525	37.5	-0.158	1.122	888	0
3/31/2014 5:15	61043	15	90	1.679	3.29	241.8	3.29	241.8	6.816	5.125	253.8	4.07	16.12	19.48	20.27	3.351	4.147	26.41	-3.316	1.696	889	0
3/31/2014 5:30	61044	15	90	1.729	3.209	239.6	3.209	239.6	7.749	5.092	247.6	3.773	16.65	18.83	19.57	2.187	2.929	22.87	-4.648	1.394	889	0
3/31/2014 5:45	61045	15	90	1.553	3.118	236.8	3.118	236.8	7.571	5.08	246.1	4.173	16.22	18.46	19.33	2.24	3.106	23.6	-4.59	2.192	889	0
3/31/2014 6:00	61046	15	90	1.146	2.948	246.2	2.948	246.2	6.513	5.022	255	3.794	15.14	18.32	19.45	3.187	4.308	26.2	-4.13	13.5	889	0
3/31/2014 6:15	61047	15	90	0.689	2.084	251.7	2.084	251.7	12.45	5.017	257.6	7.43	11.3	17.64	19.54	6.34	8.23	35.53	-3.452	60.01	889	0
3/31/2014 6:30	61048	15	90	0.58	2.548	246.8	2.548	246.8	7.475	5.259	260.8	4.758	13.88	18.01	19.76	4.13	5.877	32.33	-2.428	111.1	890	0
3/31/2014 6:45	61049	15	90	0.987	2.435	257.1	2.435	257.1	9.64	4.884	262.9	5.012	17.13	18.27	19.69	1.139	2.56	25.25	-2.951	174	890	0
3/31/2014 7:00	61050	15	90	1.884	3.54	269.5	3.54	269.5	5.75	5.077	277.6	3.321	18.63	18.79	19.76	0.16	1.13	21.68	-3.696	235	890	0
3/31/2014 7:15	61051	15	90	2.086	3.092	280	3.092	280	9.77	5.367	280.9	4.567	19.74	19.52	19.62	-0.216	-0.116	19.55	-4.173	298.8	890	0
3/31/2014 7:30	61052	15	90	2.657	3.67	283.2	3.67	283.2	8.64	5.185	285.2	5.358	20.67	20.34	19.95	-0.33	-0.718	15.93	-6.119	363.1	891	0
3/31/2014 8:00	61054	15	90	3.675	3.962	298.7	3.962	298.7	10.03	4.517	296	8.42	21.1	20.6	19.98	-0.494	-1.115	14.21	-7.246	485.3	891	0
3/31/2014 8:15	61055	15	90	3.27	4.258	285.8	4.258	285.8	12.39	4.991	285.6	8.47	21.52	20.74	20.03	-0.775	-1.488	14.02	-7.086	542	891	0
3/31/2014 8:30	61056	15	90	2.886	3.943	273.8	3.943	273.8	13.9	4.407	277.6	10.98	21.86	20.96	20.23	-0.893	-1.628	13.75	-7.067	597.6	891	0
3/31/2014 8:45	61057	15	90	2.919	3.844	276	3.844	276	13.3	4.423	279	14.07	22.13	21.15	20.44	-0.978	-1.688	13.47	-7.116	647.3	891	0
3/31/2014 9:00	61058	15	90	3.795	4.839	292	4.839	292	15.71	5.458	293.1	11.66	22.91	21.89	21.03	-1.026	-1.879	12.19	-7.812	693.8	891	0
3/31/2014 9:15	61059	15	90	4.322	5.122	294.2	5.122	294.2	12.39	5.825	296	10.01	22.94	21.9	21	-1.04	-1.941	11.65	-8.35	742	891	0
3/31/2014 9:30	61060	15	90	3.82	5.336	276.7	5.336	276.7	15.89	6.304	282	13.54	23.23	22.05	21.16	-1.175	-2.069	11.48	-8.32	789.4	891	0
3/31/2014 9:45	61061	15	90	3.846	4.821	288.2	4.821	288.2	18.81	4.987	292.4	16.4	23.35	22.19	21.38	-1.161	-1.974	11.38	-8.34	829	891	0
3/31/2014 10:00	61062	15	90	3.329	4.049	281.4	4.049	281.4	28.12	4.743	282.5	23.34	23.58	22.49	21.57	-1.086	-2.007	10.98	-8.62	862	891	0
3/31/2014 10:15	61063	15	90	4.236	5.826	264.5	5.826	264.5	15.28	6.496	271.2	12.98	24.06	22.76	21.84	-1.302	-2.218	10.61	-8.7	893	891	0
3/31/2014 10:30	61064	15	90	3.885	4.563	290.1	4.563	290.1	14.39	5.66	290.6	13.12	24.33	23.21	22.22	-1.121	-2.104	10.15	-9.06	918	891	0
3/31/2014 10:45	61065	15	90	4.811	6.833	272	6.833	272	13.7	7.831	273.4	10.67	25.21	23.7	22.62	-1.51	-2.588	9.58	-9.13	945	891	0
3/31/2014 11:00	61066	15	90	6.602	9.02	272.7	9.02	272.7	16.99	10.22	275.8	16.71	25.82	24.45	23.4	-1.376	-2.426	8.5	-10.2	975	891	0
3/31/2014 11:15	61067	15	90	6.991	10.46	272.8	10.46	272.8	12.33	12.42	276.2	10.1	25.9	24.33	23.08	-1.567	-2.818	7.487	-11.75	1001	890	0
3/31/2014 11:30	61068	15	90	6.577	9.31	281.5	9.31	281.5	11.06	11.36	283.8	8.55	25.91	24.38	23.16	-1.529	-2.754	7.22	-12.19	1015	890	0
3/31/2014 11:45	61069	15	90	6.412	8.84	284.4	8.84	284.4	9.51	10.53	286.2	7.393	26.05	24.49	23.36	-1.558	-2.684	7.999	-10.8	1022	890	0
3/31/2014 12:00	61070	15	90	5.645	8.13	279	8.13	279	12.21	9.37	279.9	10.42	26.38	24.8	23.77	-1.587	-2.613	8.11	-10.38	1028	890	0
3/31/2014 12:15	61071	15	90	5.277	7.214	278.4	7.214	278.4	13.13	8.14	280.7	11.15	26.7	25.16	24.11	-1.541	-2.589	7.568	-11.01	1030	890	0
3/31/2014 12:30	61072	15	90	6.007	8.14	268.5	8.14	268.5	19.17	9.33	268	17.73	27.21	25.64	24.49	-1.564	-2.718	7.366	-10.98	1029	890	0
3/31/2014 12:45	61073	15	90	5.629	8.13	260.7	8.13	260.7	15.61	9.55	263.4	12.38	27.44	25.65	24.51	-1.787	-2.93	6.892	-11.65	1026	890	0
3/31/2014 13:00	61074	15	90	5.585	7.637	258.2	7.637	258.2	13.12	8.79	261	11.77	27.83	26.11	24.9	-1.718	-2.93	6.431	-12.23	1019	889	0
3/31/2014 13:15	61075	15	90	5.499	7.787	259.6	7.787	259.6	13.33	8.98	263.2	11.97	27.8	26.13	25.03	-1.671	-2.777	6.194	-12.72	1003	889	0

WIPP Valid Metdata 3/31/14-4/6/14

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
3/31/2014 13:30	61076	15	90	5.594	7.905	267.7	7.905	267.7	18.39	9.69	270.4	16.62	28.46	26.76	25.51	-1.701	-2.952	6.074	-12.5	976	889	0
3/31/2014 13:45	61077	15	90	6.326	9.03	275.8	9.03	275.8	9.9	10.11	277	8.93	27.9	26.29	25.23	-1.61	-2.667	5.091	-15.09	950	889	0
3/31/2014 14:00	61078	15	90	5.939	8.85	267.9	8.85	267.9	11.98	9.94	269	11.77	27.88	26.2	25.18	-1.676	-2.699	4.831	-15.77	916	889	0
3/31/2014 14:15	61079	15	90	4.652	6.431	255	6.431	255	18.66	7.348	255.9	15.06	27.75	26.17	25.22	-1.582	-2.531	5.555	-14.11	877	889	0
3/31/2014 14:30	61080	15	90	5.634	7.579	250.6	7.579	250.6	19.24	8.85	254.7	15.32	28.06	26.57	25.61	-1.483	-2.443	5.204	-14.7	833	888	0
3/31/2014 14:45	61081	15	90	5.584	7.822	269	7.822	269	17.47	9.29	273.5	14.12	28.42	27.04	25.99	-1.383	-2.432	4.35	-16.86	791.3	888	0
3/31/2014 15:00	61082	15	90	6.139	8.37	283.3	8.37	283.3	10.54	9.52	282.2	10.2	27.94	26.66	25.76	-1.277	-2.184	3.371	-20.05	742.8	888	0
3/31/2014 15:15	61083	15	90	5.367	7.748	279.9	7.748	279.9	11.01	8.92	282.1	9.27	27.78	26.58	25.69	-1.198	-2.088	3.32	-20.34	661	888	0
3/31/2014 15:30	61084	15	90	5.852	8	277.5	8	277.5	13.57	9.81	280.4	11.1	27.68	26.7	25.75	-0.989	-1.937	3.568	-19.55	527.1	888	0
3/31/2014 15:45	61085	15	90	5.201	7.705	276.8	7.705	276.8	11.55	9.29	279.5	9	27.4	26.56	25.69	-0.843	-1.713	3.925	-18.59	451.2	888	0
3/31/2014 16:00	61086	15	90	5.551	7.166	287.3	7.166	287.3	12.86	8.58	290.2	9.68	27.11	26.35	25.58	-0.758	-1.531	4.197	-17.96	394.1	888	0
3/31/2014 16:15	61087	15	90	6.797	8.05	291.9	8.05	291.9	9.31	10.45	292.7	6.218	26.75	26.13	25.41	-0.615	-1.341	4.007	-18.84	364.8	888	0
3/31/2014 16:30	61088	15	90	5.825	7.553	288.8	7.553	288.8	8.02	9.58	291.4	6.022	26.75	26.19	25.46	-0.553	-1.284	4.069	-18.62	357.1	888	0
3/31/2014 16:45	61089	15	90	6.638	8.36	290.9	8.36	290.9	8.26	10.5	292.5	5.325	26.5	25.97	25.28	-0.527	-1.211	4.008	-18.96	345	888	0
3/31/2014 17:00	61090	15	90	6.1	8.13	287.7	8.13	287.7	9.02	10.58	290.6	6.196	26.36	25.94	25.29	-0.424	-1.071	4.373	-18.04	275	888	0
3/31/2014 17:15	61091	15	90	6.585	8.37	290.1	8.37	290.1	8.29	11.07	290.9	4.698	26.02	25.74	25.17	-0.281	-0.851	4.963	-16.74	201	888	0
3/31/2014 17:30	61092	15	90	5.847	6.979	293.2	6.979	293.2	7.38	9.6	294.1	4.005	25.58	25.47	25.04	-0.113	-0.541	5.208	-16.44	131	888	0
3/31/2014 17:45	61093	15	90	5.121	6.056	292.7	6.056	292.7	6.97	8.48	294	4.463	25.38	25.35	24.99	-0.029	-0.386	5.03	-17	114.6	889	0
3/31/2014 18:00	61094	15	90	4.747	6.614	287.7	6.614	287.7	7.719	8.91	288	6.157	25.06	25.2	24.96	0.136	-0.103	4.788	-17.83	62.78	889	0
3/31/2014 18:15	61095	15	90	4.392	6.682	282.9	6.682	282.9	6.249	9.61	285.1	3.503	24.24	24.56	24.65	0.316	0.407	4.574	-18.95	18.07	889	0
3/31/2014 18:30	61096	15	90	4.643	7.199	283.4	7.199	283.4	6.516	10.89	286.1	3.55	23.55	23.96	24.41	0.415	0.865	4.678	-19.2	3.343	889	0
3/31/2014 18:45	61097	15	90	4.407	6.607	286.7	6.607	286.7	6.413	10.72	288.7	1.961	23.08	23.55	24.26	0.477	1.186	4.955	-18.84	0.964	889	0
3/31/2014 19:00	61098	15	90	3.708	5.527	286.7	5.527	286.7	6.292	9.5	288.5	2.265	22.44	22.99	23.76	0.544	1.316	5.374	-18.31	0.788	889	0
3/31/2014 19:15	61099	15	90	2.787	3.902	291.5	3.902	291.5	7.722	9.05	291.4	1.368	21.49	22.08	23.48	0.595	1.995	5.997	-17.69	0.709	890	0
3/31/2014 19:30	61100	15	90	2.14	3.221	291.8	3.221	291.8	7.825	8.87	287.6	1.345	20.51	21.43	23.52	0.918	3.003	6.776	-16.93	0.671	890	0
3/31/2014 19:45	61101	15	90	1.511	2.593	292.8	2.593	292.8	9.04	8.38	284.2	1.832	19.6	20.98	23.62	1.381	4.019	7.476	-16.42	0.646	890	0
3/31/2014 20:00	61102	15	90	1.388	2.28	227.5	2.28	227.5	55.26	4.41	262.7	38.85	18.98	20.63	22.06	1.654	3.083	8.23	-15.78	0.668	890	0
3/31/2014 20:15	61103	15	90	1.899	3.326	183.2	3.326	183.2	18.84	4.597	200.8	17.05	18.53	20.8	22.03	2.274	3.502	8.5	-15.7	0.685	891	0
3/31/2014 20:30	61104	15	90	0.555	1.89	175.1	1.89	175.1	12.69	3.52	208.9	8.73	16.85	20.95	22.74	4.094	5.892	10.09	-14.88	0.363	891	0
3/31/2014 20:45	61105	15	90	0.493	1.445	206.1	1.445	206.1	7.134	3.81	222.9	5.637	15.86	21.2	22.91	5.336	7.05	10.67	-14.98	0.423	891	0
3/31/2014 21:00	61106	15	90	1.229	3.074	168.4	3.074	168.4	18.95	4.391	189.3	19.82	14.05	20.75	22.31	6.702	8.27	12.44	-14.52	0.559	891	0
3/31/2014 21:15	61107	15	90	1.664	4.103	144.2	4.103	144.2	6.265	4.716	174.7	5.672	15.45	19.19	22.75	3.745	7.303	11.71	-14.15	0.961	891	0
3/31/2014 21:30	61108	15	90	0.697	3.646	145	3.646	145	6.101	4.288	189.3	6.302	14.8	19.23	23.06	4.429	8.26	12.18	-14.17	0.565	891	0
3/31/2014 21:45	61109	15	90	0.443	1.833	145.9	1.833	145.9	7.179	3.786	202.2	2.88	15.72	19.02	23.25	3.3	7.534	11.24	-14.44	0.555	890	0
3/31/2014 22:00	61110	15	90	1.33	1.179	129.5	1.179	129.5	8.17	4.032	206.7	2.145	13.12	19.39	23.03	6.278	9.91	12.91	-14.86	0.501	890	0
3/31/2014 22:15	61111	15	90	1.593	1.194	144	1.194	144	8.83	4.212	214.9	3.574	11.88	19.79	22.93	7.907	11.05	14.49	-14.38	0.418	890	0
3/31/2014 22:30	61112	15	90	1.139	1.41	150.7	1.41	150.7	9.81	3.639	217	4.924	10.35	20.6	22.56	10.25	12.2	17.41	-13.37	0.448	890	0
3/31/2014 22:45	61113	15	90	1.617	1.195	125.1	1.195	125.1	13.91	3.112	239.3	8.62	10.41	20.85	22.46	10.45	12.06	18.55	-12.54	0.423	890	0
3/31/2014 23:00	61114	15	90	1.034	1.547	138.3	1.547	138.3	18.32	2.092	218.2	21.59	10.28	20.93	21.66	10.66	11.38	19.57	-11.98	0.436	890	0
3/31/2014 23:15	61115	15	90	1.677	1.147	85.9	1.147	85.9	57.04	2.664	253.8	23.09	9.84	20.93	21.98	11.09	12.14	20.95	-11.5	0.43	890	0
3/31/2014 23:30	61116	15	90	1.772	3.212	347	3.212	347	8.76	4.149	297.4	5.218	10.8	20.17	22.49	9.36	11.69	19.79	-11.41	0.736	890	0
3/31/2014 23:45	61117	15	90	1.583	2.055	75.19	2.055	75.19	53.95	3.354	280.9	11.62	10.08	17.78	21.73	7.704	11.65	21.13	-11.19	0.424	890	0
4/1/2014 0:00	61118	15	91	1.791	3.953	129.7	3.953	129.7	4.602	1.713	206.1	26.11	10.71	16.09	20.59	5.379	9.89	20.95	-10.78	0.576	890	0
4/1/2014 0:15	61119	15	91	0.916	2.511	119.3	2.511	119.3	7.772	2.147	207.7	11.85	10.68	15.82	20.7	5.142	10.03	20.53	-11.06	0.407	890	0
4/1/2014 0:30	61120	15	91	1.022	3.478	131.7	3.478	131.7	7.711	3.74	190.5	9.42	10.12	15.88	20.09	5.761	9.97	22.36	-10.46	0.583	890	0
4/1/2014 0:45	61121	15	91	0.85	3.195	138	3.195	138	8.55	4.633	199.7	5.374	11.85	14.85	19.12	3.009	7.277	19.88	-10.48	0.874	890	0
4/1/2014 1:00	61122	15	91	1.021	3.425	167.2	3.425	167.2	7.945	6.248	212.2	4.547	11.12	15.21	19.73	4.092	8.62	20.79	-10.53	0.701	890	0
4/1/2014 1:15	61123	15	91	1.086	3.074	184	3.074	184	7.448	5.867	218.9	5.545	10.91	15.36	19.95	4.444	9.03	21.82	-10.09	0.812	890	0
4/1/2014 1:30	61124	15	91	1.53	3.527	178.1	3.527	178.1	4.976	6.178	217.8	7.201	11.02	15.42	19.38	4.401	8.37	21.67	-10.08	0.972	890	0
4/1/2014 1:45	61125	15	91	1.091	3.188	170.6	3.188	170.6	3.96	4.916	229.5	2.694	10.56	15.38	19.25	4.824	8.7	22.48	-10.01	0.734	890	0
4/1/2014 2:00	61126	15	91	0.492	2.662	164.4	2.662	164.4	5.57	4.595	234.9	3.34	10.46	15.26	19.14	4.801	8.68	22.93	-9.84	0.579	890	0
4/1/2014 2:15	61127	15	91	0.516	2.037	165.7	2.037	165.7	4.483	4.417	230	4.92	9.57	14.99	18.44	5.415	8.86	23.86	-10.1	0.517	890	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/1/2014 2:30	61128	15	91	0.528	1.899	176.1	1.899	176.1	6.593	4.027	224.3	4.957	8.59	14.75	17.06	6.158	8.47	25.27	-10.22	0.551	890	0
4/1/2014 2:45	61129	15	91	0.557	2.092	194.6	2.092	194.6	5.124	3.712	231.5	5.49	9.02	15.04	16.57	6.02	7.548	24.44	-10.27	0.596	890	0
4/1/2014 3:00	61130	15	91	1.171	2.58	175.8	2.58	175.8	6.83	4.342	216.9	4.649	9.88	15.63	17.11	5.752	7.223	23.84	-9.84	0.797	890	0
4/1/2014 3:15	61131	15	91	1.693	2.91	168.8	2.91	168.8	5.769	4.883	197.7	4.039	9.57	15.53	18.29	5.953	8.72	24.93	-9.53	0.813	890	0
4/1/2014 3:30	61132	15	91	1.365	3.518	154.3	3.518	154.3	10.94	5.174	185.7	2.948	9.72	15.12	18.16	5.4	8.44	24.7	-9.52	0.714	890	0
4/1/2014 3:45	61133	15	91	1.368	4.271	141.7	4.271	141.7	5.178	6.258	183.4	4.493	9.9	13.32	18.07	3.421	8.17	25.03	-9.2	0.908	890	0
4/1/2014 4:00	61134	15	91	2.458	4.98	144.5	4.98	144.5	4.423	7.052	180.9	4.968	11.45	13.49	18.35	2.043	6.901	22.1	-9.48	1.264	890	0
4/1/2014 4:15	61135	15	91	1.519	3.323	148	3.323	148	18.4	6.763	181.5	5.118	10.65	12.27	17.99	1.622	7.339	22.81	-9.75	0.733	890	0
4/1/2014 4:30	61136	15	91	1.853	4.255	152.6	4.255	152.6	3.699	6.037	195.4	5.345	10.69	14.29	18.31	3.593	7.614	22.51	-9.88	0.78	890	0
4/1/2014 4:45	61137	15	91	1.724	4.092	146.5	4.092	146.5	7.449	5.505	181.8	2.387	10.93	14.89	18.55	3.956	7.62	22.13	-9.89	0.666	890	0
4/1/2014 5:00	61138	15	91	1.025	3.534	136.6	3.534	136.6	6.052	5.321	185.7	5.653	10.36	13.52	18.67	3.164	8.31	23	-9.89	0.61	890	0
4/1/2014 5:15	61139	15	91	1.383	4.011	144.6	4.011	144.6	8.14	5.169	190.7	3.415	10.57	14.56	18.57	3.987	8	22.52	-9.98	0.694	890	0
4/1/2014 5:30	61140	15	91	1.433	3.964	138.8	3.964	138.8	5.224	4.525	188.9	5.52	10.55	14.78	18.63	4.228	8.08	22.74	-9.87	0.768	891	0
4/1/2014 5:45	61141	15	91	1.955	4.228	138.8	4.228	138.8	3.728	5.343	185.8	3.061	11.3	14.49	18.62	3.188	7.325	21.67	-9.85	3.547	891	0
4/1/2014 6:00	61142	15	91	1.93	4.429	144	4.429	144	4.047	5.271	181.5	5.03	11.52	14.39	18.83	2.866	7.313	21.26	-9.9	10.22	891	0
4/1/2014 6:15	61143	15	91	1.823	4.117	142.6	4.117	142.6	5.939	4.31	187.1	2.997	11.91	14.84	18.87	2.931	6.961	20.83	-9.84	37.02	891	0
4/1/2014 6:30	61144	15	91	1.711	4.012	146.7	4.012	146.7	6.09	4.498	182.9	5.853	12.66	15.06	19.07	2.401	6.418	20.17	-9.62	71.23	891	0
4/1/2014 6:45	61145	15	91	1.054	3.071	157.9	3.071	157.9	7.404	4.966	193.2	7.228	13.82	15.19	18.96	1.364	5.14	19.27	-9.23	111.4	891	0
4/1/2014 7:00	61146	15	91	1.427	3.084	175.6	3.084	175.6	7.986	4.652	199.1	4.963	16.18	16.99	18.8	0.808	2.616	17.07	-8.89	202.9	891	0
4/1/2014 7:15	61147	15	91	2.047	2.841	200.2	2.841	200.2	12.51	4.619	206.9	6.878	18.52	18.27	18.65	-0.25	0.135	13.81	-9.66	266.3	891	0
4/1/2014 7:30	61148	15	91	2.45	3.054	209.7	3.054	209.7	6.758	4.187	211.8	5.32	19.11	18.81	18.51	-0.302	-0.598	12.71	-10.26	286.7	891	0
4/1/2014 7:45	61149	15	91	2.89	3.597	212	3.597	212	11.4	3.982	212.1	8.97	19.46	18.92	18.36	-0.542	-1.099	12.1	-10.59	376.6	891	0
4/1/2014 8:00	61150	15	91	2.94	3.719	209.3	3.719	209.3	9.58	3.805	205.9	6.008	19.65	19.15	18.61	-0.505	-1.039	11.75	-10.81	338.9	891	0
4/1/2014 8:15	61151	15	91	2.319	2.767	209.3	2.767	209.3	11.97	2.748	213.3	12.3	20.14	19.54	18.95	-0.605	-1.193	11.76	-10.42	433.4	891	0
4/1/2014 8:30	61152	15	91	1.785	2.224	237.7	2.224	237.7	16.32	2.344	230.2	13.64	20.49	19.88	19.36	-0.608	-1.128	11.37	-10.57	422.9	891	0
4/1/2014 8:45	61153	15	91	1.913	2.222	227	2.222	227	11.3	2.431	224.5	9.92	20.81	20.29	19.7	-0.523	-1.112	11.05	-10.68	473.8	891	0
4/1/2014 9:00	61154	15	91	1.911	2.364	225	2.364	225	17.26	2.551	227.1	13.09	21.78	21.04	20.3	-0.741	-1.48	10.49	-10.6	555.9	891	0
4/1/2014 9:15	61155	15	91	2.445	2.922	220.6	2.922	220.6	20.17	3.065	220.6	15.29	22.12	21.32	20.64	-0.794	-1.481	9.99	-10.95	481.2	891	0
4/1/2014 9:30	61156	15	91	2.078	2.488	203.9	2.488	203.9	16.17	2.606	203.6	12.53	22.73	22	21.41	-0.726	-1.314	9.88	-10.62	456.6	891	0
4/1/2014 9:45	61157	15	91	2.015	2.398	217.6	2.398	217.6	18.8	2.519	216.3	14.97	23.33	22.61	21.97	-0.723	-1.363	9.38	-10.81	472	891	0
4/1/2014 10:00	61158	15	91	2.996	3.898	244.1	3.898	244.1	16.6	4.203	241.2	16.21	24.02	23.21	22.55	-0.802	-1.469	8.99	-10.84	476.7	891	0
4/1/2014 10:15	61159	15	91	3.089	4.191	257.1	4.191	257.1	10.52	4.667	259.7	7.149	24.19	23.28	22.6	-0.919	-1.595	9.05	-10.62	496.1	891	0
4/1/2014 10:30	61160	15	91	2.832	3.741	270.5	3.741	270.5	13.84	4.024	270	10.97	23.79	22.93	22.27	-0.862	-1.522	10	-9.66	597	891	0
4/1/2014 10:45	61161	15	91	2.173	2.725	256.5	2.725	256.5	29.49	3.094	256.2	28.24	24.19	23.44	22.73	-0.75	-1.458	9.77	-9.65	662.6	890	0
4/1/2014 11:00	61162	15	91	2.918	3.626	231.9	3.626	231.9	20.79	4.198	233.2	15.49	24.97	23.98	23.3	-0.994	-1.676	9.16	-9.87	584.3	890	0
4/1/2014 11:15	61163	15	91	3.863	5.045	243.9	5.045	243.9	13.7	5.824	245.4	11.63	25.32	24.32	23.56	-1	-1.766	8.94	-9.92	580.4	890	0
4/1/2014 11:30	61164	15	91	3.681	5.038	257.9	5.038	257.9	15.99	5.768	257.8	13.28	25.48	24.48	23.73	-0.991	-1.745	8.96	-9.77	504.7	890	0
4/1/2014 11:45	61165	15	91	3.661	5.186	264.9	5.186	264.9	11.66	6.035	262.9	9.13	25.64	24.65	23.87	-0.986	-1.768	8.93	-9.7	567.7	889	0
4/1/2014 12:00	61166	15	91	3.732	5.164	272.6	5.164	272.6	13.35	6.049	272.9	9.78	26.26	25.05	24.17	-1.208	-2.094	8.74	-9.51	730.6	889	0
4/1/2014 12:15	61167	15	91	4.035	5.515	248.3	5.515	248.3	12.11	6.113	252.3	11.13	26.09	24.98	24.24	-1.105	-1.846	8.8	-9.54	518.8	889	0
4/1/2014 12:30	61168	15	91	4.063	5.744	255.9	5.744	255.9	14.53	6.534	257.1	14.05	26.18	25.15	24.42	-1.031	-1.763	8.85	-9.4	561.8	889	0
4/1/2014 12:45	61169	15	91	5.951	8.03	246.5	8.03	246.5	11.57	9.43	247.5	9.46	26.12	25.13	24.33	-0.99	-1.792	8.38	-10.14	557.7	889	0
4/1/2014 13:00	61170	15	91	5.411	7.36	238.2	7.36	238.2	20.42	8.71	240.9	18.25	26.36	25.38	24.49	-0.979	-1.87	8.27	-10.14	533.6	888	0
4/1/2014 13:15	61171	15	91	5.399	7	238.4	7	238.4	14.76	8.13	239.3	11.72	26.35	25.35	24.51	-1	-1.839	8.01	-10.55	591.4	888	0
4/1/2014 13:30	61172	15	91	5.157	7.304	254.7	7.304	254.7	18	8.48	254.1	13.78	26.25	25.27	24.48	-0.981	-1.776	7.56	-11.35	483.6	888	0
4/1/2014 13:45	61173	15	91	4.891	6.812	253.6	6.812	253.6	11.55	8.06	256	8.64	26.65	25.61	24.79	-1.038	-1.858	7.505	-11.14	579.1	888	0
4/1/2014 14:00	61174	15	91	4.267	5.884	264.6	5.884	264.6	15.28	6.416	266.4	12.26	27.02	25.81	24.96	-1.204	-2.059	7.703	-10.54	737.5	887	0
4/1/2014 14:15	61175	15	91	2.416	2.958	235.1	2.958	235.1	41.12	3.391	251.6	37.63	27.59	26.52	25.62	-1.07	-1.968	7.691	-10.14	1012	887	0
4/1/2014 14:30	61176	15	91	6.126	8.16	243.8	8.16	243.8	15.15	9.89	245.8	12.02	28.98	27.59	26.52	-1.385	-2.461	6.166	-11.97	780	887	0
4/1/2014 14:45	61177	15	91	6.213	8.07	236.5	8.07	236.5	14.12	9.56	237.1	10.76	29.01	27.52	26.5	-1.49	-2.511	6.276	-11.69	934	886	0
4/1/2014 15:00	61178	15	91	5.022	6.704	239.4	6.704	239.4	19.44	8.02	241.4	16.89	29.16	27.72	26.69	-1.44	-2.473	6.112	-11.93	776.7	886	0
4/1/2014 15:15	61179	15	91	5.89	7.878	247	7.878	247	14.82	9.33	246.5	10.59	28.75	27.7	26.86	-1.054	-1.891	4.869	-15.02	596.2	886	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/1/2014 15:30	61180	15	91	6.506	8.71	238	8.71	238	13.92	10.17	239.1	12.21	28.68	27.65	26.86	-1.033	-1.824	4.986	-14.81	545.5	886	0
4/1/2014 15:45	61181	15	91	6.432	8.49	236.9	8.49	236.9	12.66	9.51	236.2	11.16	28.33	27.46	26.78	-0.868	-1.55	5.63	-13.53	491.1	886	0
4/1/2014 16:00	61182	15	91	5.527	7.573	245.3	7.573	245.3	9.65	9.04	247.2	7.364	27.92	27.34	26.68	-0.576	-1.233	5.567	-13.97	284.9	886	0
4/1/2014 16:15	61183	15	91	5.616	7.647	242.8	7.647	242.8	11.8	9.47	243.4	9.89	27.5	27.22	26.7	-0.282	-0.807	5.488	-14.45	176.4	886	0
4/1/2014 16:30	61184	15	91	4.914	7.026	247.6	7.026	247.6	9.92	8.62	251.4	5.895	27.36	27.15	26.68	-0.217	-0.683	5.566	-14.36	165.3	886	0
4/1/2014 16:45	61185	15	91	6.133	8.23	244.9	8.23	244.9	8.13	9.99	244.9	6.27	27.3	27.17	26.74	-0.131	-0.562	5.399	-14.79	137.2	886	0
4/1/2014 17:00	61186	15	91	5.146	7.149	248.6	7.149	248.6	10.42	8.61	249.2	11.65	27.28	27.17	26.75	-0.112	-0.529	5.493	-14.58	143.4	886	0
4/1/2014 17:15	61187	15	91	4.157	6.48	270.2	6.48	270.2	9.31	8.04	272.9	7.721	26.73	26.71	26.36	-0.02	-0.369	5.915	-14.07	94	886	0
4/1/2014 17:30	61188	15	91	3.753	5.529	262.4	5.529	262.4	7.715	7.483	263.1	4.387	26.25	26.35	26.15	0.103	-0.101	6.312	-13.61	73.15	886	0
4/1/2014 17:45	61189	15	91	2.875	4.515	261.9	4.515	261.9	6.774	6.78	264.8	4.104	25.71	25.96	25.98	0.25	0.268	6.999	-12.72	55.64	887	0
4/1/2014 18:00	61190	15	91	2.103	3.821	269.8	3.821	269.8	6.896	5.571	270.5	3.462	25.39	25.73	25.83	0.337	0.446	7.109	-12.76	53.22	887	0
4/1/2014 18:15	61191	15	91	1.814	3.254	265.1	3.254	265.1	8.77	4.8	262.9	7.643	24.76	25.5	25.63	0.738	0.87	7.321	-12.86	11.09	887	0
4/1/2014 18:30	61192	15	91	1.767	3.43	276.9	3.43	276.9	5.099	4.978	269.1	4.439	23.96	25.07	25.41	1.112	1.451	7.939	-12.44	2.359	887	0
4/1/2014 18:45	61193	15	91	1.01	2.32	281.3	2.32	281.3	6.359	3.708	264.5	5.14	23.12	25.11	25.49	1.984	2.368	8.66	-11.98	0.468	887	0
4/1/2014 19:00	61194	15	91	0.622	1.684	279.3	1.684	279.3	9.93	2.714	270.3	9.37	22.54	25.08	25.29	2.539	2.751	8.98	-11.97	0.383	887	0
4/1/2014 19:15	61195	15	91	0.811	0.912	288.1	0.912	288.1	20.38	1.965	267.1	8.11	21.73	24.78	25.21	3.05	3.478	9.21	-12.26	0.273	887	0
4/1/2014 19:30	61196	15	91	0.992	0.416	309	0.416	309	32.77	1.375	264.6	11.04	18.88	24.77	25.24	5.889	6.363	11.46	-11.81	0.207	887	0
4/1/2014 19:45	61197	15	91	1.056	0.262	312.8	0.262	312.8	55.92	1.271	255.5	13.27	18.06	24.68	25.15	6.617	7.091	13.07	-10.75	0.212	887	0
4/1/2014 20:00	61198	15	91	1.303	0.395	319.6	0.395	319.6	26.13	1.733	260.4	12.21	18.03	24.92	25.23	6.895	7.2	13.7	-10.17	0.3	887	0
4/1/2014 20:15	61199	15	91	0.886	0.869	268.8	0.869	268.8	14.15	2.105	259.3	8.81	17.11	24.77	25.27	7.661	8.16	14.2	-10.46	0.447	887	0
4/1/2014 20:30	61200	15	91	1.492	2.507	150.5	2.507	150.5	28.14	1.71	216.3	31.36	17.38	23.94	24.82	6.565	7.438	15.08	-9.5	0.524	887	0
4/1/2014 20:45	61201	15	91	0.663	2.446	173.2	2.446	173.2	14.09	2.114	204.9	15.82	17.58	24.59	24.99	7.006	7.409	14.05	-10.19	0.444	887	0
4/1/2014 21:00	61202	15	91	0.554	1.802	216.7	1.802	216.7	10.29	2.913	243.2	8.83	16.49	23.7	25.06	7.212	8.57	14.89	-10.35	0.352	887	0
4/1/2014 21:15	61203	15	91	0.614	2.188	172.6	2.188	172.6	10.31	2.805	215.9	9.58	17.09	20.86	24.04	3.777	6.956	14.42	-10.28	0.496	887	0
4/1/2014 21:30	61204	15	91	0.46	1.56	199.2	1.56	199.2	10.71	2.871	229.3	8.87	15.76	20.69	24.16	4.937	8.4	14.82	-11.04	0.502	887	0
4/1/2014 21:45	61205	15	91	1.21	1.368	228.1	1.368	228.1	10.11	3.387	249.3	4.261	13.35	21.76	24.44	8.41	11.09	18.31	-10.28	0.423	887	0
4/1/2014 22:00	61206	15	91	1.713	1.04	272.2	1.04	272.2	6.133	3.572	265.4	6.022	12.87	21.83	24.38	8.96	11.51	19.73	-9.72	0.345	887	0
4/1/2014 22:15	61207	15	91	1.511	0.931	283.7	0.931	283.7	4.854	3.848	278.9	2.658	13.05	21.81	24.36	8.76	11.31	19.14	-9.96	0.492	887	0
4/1/2014 22:30	61208	15	91	1.249	1.142	277.6	1.142	277.6	4.094	3.828	284.3	2.35	11.67	22.06	23.98	10.38	12.31	21.42	-9.68	0.439	887	0
4/1/2014 22:45	61209	15	91	1.38	1.628	281.5	1.628	281.5	10.87	4.002	280.2	2.337	11.06	21.8	23.71	10.74	12.65	23.12	-9.23	0.486	887	0
4/1/2014 23:00	61210	15	91	1.463	1.775	299.8	1.775	299.8	10.53	4.409	274.9	2.31	11.27	21.27	23.3	10	12.04	22.76	-9.26	0.622	887	0
4/1/2014 23:15	61211	15	91	0.852	1.834	264.3	1.834	264.3	17.44	3.833	260.6	9.03	12.72	20.86	22.88	8.14	10.16	20.17	-9.6	0.668	887	0
4/1/2014 23:30	61212	15	91	2.292	3.855	149.5	3.855	149.5	21.73	3.241	201.4	24.3	12.99	18.7	21.52	5.716	8.54	19.97	-9.48	0.749	887	0
4/1/2014 23:45	61213	15	91	2.418	4.965	146.7	4.965	146.7	9.84	5.29	168.9	6.606	14.34	17.11	21	2.768	6.655	17.61	-9.95	1.016	887	0
4/2/2014 0:00	61214	15	92	2.058	4.483	151.1	4.483	151.1	3.501	5.57	173.2	5.967	14.52	18.65	22.08	4.128	7.552	17.28	-10.04	0.733	887	0
4/2/2014 0:15	61215	15	92	1.763	4.271	134.4	4.271	134.4	9.24	5.8	171	3.272	14.27	17.5	21.69	3.23	7.423	17.28	-10.25	0.714	887	0
4/2/2014 0:30	61216	15	92	1.044	3.08	123.8	3.08	123.8	13.64	5.323	168.5	3.829	14.19	16.2	20.86	2.01	6.669	18.32	-9.58	0.686	887	0
4/2/2014 0:45	61217	15	92	1.135	2.53	130.5	2.53	130.5	43.09	5.516	176.3	6.063	13.77	16.1	20.52	2.332	6.755	24	-6.534	0.761	887	0
4/2/2014 1:00	61218	15	92	0.823	2.692	133.5	2.692	133.5	6.455	4.388	199.9	11.76	14.46	16.31	21.54	1.847	7.074	32.31	-1.929	0.626	887	0
4/2/2014 1:15	61219	15	92	0.656	2.087	136.8	2.087	136.8	13.14	3.622	207.7	10.57	13.2	15.84	20.07	2.634	6.869	37.78	-0.883	0.46	887	0
4/2/2014 1:30	61220	15	92	0.525	1.897	117.6	1.897	117.6	9.26	2.907	188.8	9.82	12.13	14.34	18.78	2.209	6.652	41.63	-0.525	0.362	887	0
4/2/2014 1:45	61221	15	92	0.601	2.1	124.1	2.1	124.1	12.67	2.752	196.3	13.26	11.48	14.42	18.88	2.946	7.401	45.81	0.202	0.444	887	0
4/2/2014 2:00	61222	15	92	0.707	1.684	122.7	1.684	122.7	11.6	2.878	239.2	16.61	11.66	15.43	19.86	3.769	8.2	45.22	0.197	0.519	887	0
4/2/2014 2:15	61223	15	92	1.199	1.058	189.4	1.058	189.4	48.8	3.763	263.4	7.674	9.42	17.68	20.07	8.26	10.65	47.55	-1.16	0.433	887	0
4/2/2014 2:30	61224	15	92	1.703	0.887	288.8	0.887	288.8	23.07	4.219	271.4	4.657	8.29	18.03	19.79	9.74	11.5	47.42	-2.236	0.5	887	0
4/2/2014 2:45	61225	15	92	1.522	0.392	296.2	0.392	296.2	24.02	3.823	272.3	3.952	9.39	17.5	19.52	8.11	10.13	39.94	-3.584	0.506	887	0
4/2/2014 3:00	61226	15	92	1.359	0.558	276.8	0.558	276.8	16.89	3.389	272.4	3.953	8.43	17.71	19.21	9.27	10.77	38.49	-4.903	0.522	886	0
4/2/2014 3:15	61227	15	92	0.934	0.673	253.5	0.673	253.5	35.56	3.074	266.2	9.18	7.077	17.69	19.08	10.62	12	39.71	-5.714	0.458	886	0
4/2/2014 3:30	61228	15	92	0.477	1.565	157.8	1.565	157.8	13.56	2.372	246.4	10.59	6.979	17.19	18.67	10.21	11.69	40.32	-5.601	0.351	886	0
4/2/2014 3:45	61229	15	92	0.404	2.254	158.1	2.254	158.1	7.532	2.32	232.5	6.562	9.06	17.73	18.73	8.67	9.67	36.77	-4.948	0.468	886	0
4/2/2014 4:00	61230	15	92	0.621	1.91	141.8	1.91	141.8	5.038	2.298	230.8	9.82	9.22	17.64	19.08	8.42	9.86	35.59	-5.233	0.581	886	0
4/2/2014 4:15	61231	15	92	0.426	2.574	139.8	2.574	139.8	3.92	2.548	223.8	8.87	9.26	17.65	19.29	8.39	10.03	35.92	-5.082	0.558	886	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/2/2014 4:30	61232	15	92	0.509	2.909	147	2.909	147	4.547	2.996	213.6	8.99	9.97	17.71	19.54	7.737	9.57	33.39	-5.414	0.614	886	0
4/2/2014 4:45	61233	15	92	0.774	3.483	146.6	3.483	146.6	5.014	3.151	207.2	9.08	10.49	17.27	19.63	6.776	9.14	31.08	-5.893	0.814	886	0
4/2/2014 5:00	61234	15	92	0.919	2.939	150.7	2.939	150.7	5.143	2.881	217.9	7.434	11.04	18.19	19.69	7.145	8.65	28.79	-6.412	0.964	886	0
4/2/2014 5:15	61235	15	92	0.449	2.486	158.8	2.486	158.8	5.526	2.954	217.4	7.256	11.09	18.37	19.77	7.28	8.68	27.02	-7.207	0.525	886	0
4/2/2014 5:30	61236	15	92	0.722	2.584	154.3	2.584	154.3	12.58	2.819	216.4	9.2	10.66	18.14	19.9	7.479	9.23	26.34	-7.894	0.72	886	0
4/2/2014 5:45	61237	15	92	0.724	1.549	162	1.549	162	16.11	2.462	237.1	14.2	11.42	17.54	19.66	6.122	8.24	23.76	-8.6	1.945	887	0
4/2/2014 6:00	61238	15	92	0.689	2.071	155.8	2.071	155.8	8.44	2.391	216.3	12.28	10.39	17.7	19.48	7.305	9.08	25.78	-8.42	12.33	887	0
4/2/2014 6:15	61239	15	92	0.772	2.045	158.6	2.045	158.6	8.91	3.017	211.5	14.37	10.96	17.72	19.59	6.764	8.63	25.25	-8.25	40.66	887	0
4/2/2014 6:30	61240	15	92	0.829	2.285	187.2	2.285	187.2	11.98	3.366	213.6	12.33	13.92	17.91	19.42	3.992	5.504	20.27	-8.51	77.74	887	0
4/2/2014 6:45	61241	15	92	1.131	2.584	183	2.584	183	10.78	3.467	219.4	11.69	15.71	17.76	19.22	2.052	3.512	18.57	-8.15	132.6	887	0
4/2/2014 7:00	61242	15	92	1.088	2.034	205.4	2.034	205.4	11.54	4.066	232.9	9.96	17.39	17.76	19.17	0.364	1.773	17.21	-7.769	237.8	887	0
4/2/2014 7:15	61243	15	92	1.549	2.332	219	2.332	219	9.65	4.635	240	6.037	18.41	18.25	19.07	-0.159	0.665	15.61	-8.18	264.6	887	0
4/2/2014 7:30	61244	15	92	2.149	2.74	195.6	2.74	195.6	11.56	3.537	205.7	11.07	19.08	18.61	18.31	-0.469	-0.77	15.11	-8.06	322.4	887	0
4/2/2014 7:45	61245	15	92	2.77	3.445	184.2	3.445	184.2	10.02	3.87	186.2	8.95	19.56	18.92	18.4	-0.638	-1.16	14.21	-8.48	408.6	887	0
4/2/2014 8:00	61246	15	92	2.691	3.36	198.7	3.36	198.7	11.11	3.567	198.5	7.955	20.45	19.73	19.12	-0.721	-1.333	13.04	-8.86	452.4	887	0
4/2/2014 8:15	61247	15	92	2.66	3.286	203.7	3.286	203.7	11.89	3.358	203.2	7.72	20.88	20.07	19.43	-0.809	-1.45	12.53	-9.04	507.6	887	0
4/2/2014 8:30	61248	15	92	2.557	3.129	211.5	3.129	211.5	11.48	3.371	208.7	8.82	21.47	20.66	19.96	-0.813	-1.511	11.61	-9.55	547.4	887	0
4/2/2014 8:45	61249	15	92	2.953	3.516	220.5	3.516	220.5	11.78	3.821	224.4	9.45	22.12	21.23	20.4	-0.895	-1.725	10.85	-9.9	605	887	0
4/2/2014 9:00	61250	15	92	3.007	3.74	227.3	3.74	227.3	11.79	4	226.5	9.23	22.51	21.45	20.73	-1.059	-1.782	10.69	-9.79	686.1	887	0
4/2/2014 9:15	61251	15	92	2.948	3.514	216.6	3.514	216.6	15.56	4.028	217.2	10.78	22.94	21.98	21.2	-0.955	-1.738	10.45	-9.75	730.9	887	0
4/2/2014 9:30	61252	15	92	2.485	3.14	219.7	3.14	219.7	19.37	3.547	217.7	16.18	22.94	22.19	21.49	-0.755	-1.448	10.55	-9.62	455.2	887	0
4/2/2014 9:45	61253	15	92	2.537	3.073	223.2	3.073	223.2	15.35	3.503	222.7	13.54	23.42	22.62	21.78	-0.808	-1.64	10.33	-9.52	546.2	887	0
4/2/2014 10:00	61254	15	92	2.431	3.03	228.3	3.03	228.3	22.85	3.23	228.6	18.52	24.15	23.02	22.21	-1.13	-1.943	10.11	-9.24	883	887	0
4/2/2014 10:15	61255	15	92	2.81	3.489	242.7	3.489	242.7	24.08	3.691	241.8	22.25	24.66	23.47	22.52	-1.19	-2.145	9.83	-9.21	935	887	0
4/2/2014 10:30	61256	15	92	2.322	2.935	252.7	2.935	252.7	24.32	3.256	251.4	28.21	24.55	23.6	22.79	-0.947	-1.754	9.7	-9.46	946	887	0
4/2/2014 10:45	61257	15	92	3.336	4.532	263.4	4.532	263.4	18.63	4.898	264.6	19.83	24.88	23.72	23.07	-1.163	-1.812	9.67	-9.25	611.7	886	0
4/2/2014 11:00	61258	15	92	3.28	4.396	272.6	4.396	272.6	13.86	4.846	267.2	14.56	24.51	23.63	22.92	-0.877	-1.59	9.65	-9.56	444.6	886	0
4/2/2014 11:15	61259	15	92	3.326	4.049	279.8	4.049	279.8	19.85	4.409	277.3	18.45	25.52	24.46	23.64	-1.06	-1.88	9.6	-8.87	1034	886	0
4/2/2014 11:30	61260	15	92	4.482	6.116	257.1	6.116	257.1	19.03	7.166	258.9	15.55	25.95	24.62	23.78	-1.329	-2.167	9.04	-9.3	805	886	0
4/2/2014 11:45	61261	15	92	4.793	6.732	268.9	6.732	268.9	14.04	7.609	267.5	12.9	26.11	24.77	23.93	-1.339	-2.175	9.14	-9.05	791.4	886	0
4/2/2014 12:00	61262	15	92	6.671	9	239.9	9	239.9	12.26	10.68	240.4	12.12	25.94	24.83	23.92	-1.114	-2.018	9.15	-9.16	656.7	886	0
4/2/2014 12:15	61263	15	92	6.416	8.63	226.1	8.63	226.1	19.56	10.04	228.4	16.1	26.58	25.14	24.08	-1.442	-2.504	8.75	-9.25	859	885	0
4/2/2014 12:30	61264	15	92	5.416	7.109	235.5	7.109	235.5	15.42	8.3	237.9	13.79	26.17	24.87	23.85	-1.304	-2.328	8.53	-9.88	705.6	885	0
4/2/2014 12:45	61265	15	92	5.471	7.381	236.7	7.381	236.7	13.89	8.65	238.7	11.72	26.7	25.28	24.23	-1.428	-2.471	7.603	-10.95	817	885	0
4/2/2014 13:00	61266	15	92	5.266	7.104	247.2	7.104	247.2	13.97	8.21	248.8	14.17	26.01	24.96	24.16	-1.05	-1.843	8.11	-10.65	494.6	885	0
4/2/2014 13:15	61267	15	92	4.979	6.836	251.4	6.836	251.4	11.68	8.17	253	8.85	26.04	25.12	24.33	-0.919	-1.709	8.18	-10.52	462.6	884	0
4/2/2014 13:30	61268	15	92	6.051	8.13	238.2	8.13	238.2	12.95	9.6	237.8	10.63	26.52	25.55	24.76	-0.975	-1.768	7.154	-11.88	585.2	884	0
4/2/2014 13:45	61269	15	92	6.666	9.14	246.3	9.14	246.3	11.87	10.86	248.3	9.37	26.87	25.91	25.12	-0.957	-1.747	6.525	-12.76	626.3	884	0
4/2/2014 14:00	61270	15	92	7.003	9.48	245.7	9.48	245.7	11.84	11.14	247.5	11.26	28.04	26.66	25.59	-1.379	-2.443	5.725	-13.55	971	883	0
4/2/2014 14:15	61271	15	92	7.328	9.95	248.5	9.95	248.5	9.91	11.84	250.5	7.756	28.15	26.8	25.72	-1.353	-2.431	5.201	-14.67	899	883	0
4/2/2014 14:30	61272	15	92	6.426	8.83	249.2	8.83	249.2	12.08	10.46	250.1	11.09	28.15	26.76	25.74	-1.387	-2.413	5.216	-14.62	831	883	0
4/2/2014 14:45	61273	15	92	6.205	8.43	248.5	8.43	248.5	10.33	9.86	250.9	8.98	28.35	26.96	25.94	-1.381	-2.407	4.931	-15.16	795.1	883	0
4/2/2014 15:00	61274	15	92	6.24	8.53	246.7	8.53	246.7	13.85	10.21	246.1	11.74	28.05	26.79	25.82	-1.264	-2.234	5.555	-13.9	695.1	883	0
4/2/2014 15:15	61275	15	92	7.01	9.53	237	9.53	237	11.49	11.35	235.5	9.38	28.04	26.94	26.04	-1.105	-1.999	5.541	-13.95	671.2	883	0
4/2/2014 15:30	61276	15	92	7.816	10.51	243	10.51	243	9.8	12.63	242.9	8.94	27.39	26.71	26.01	-0.679	-1.38	5.787	-13.89	379.5	883	0
4/2/2014 15:45	61277	15	92	7.722	10.32	244.6	10.32	244.6	9.37	12.18	246.5	9.64	26.97	26.47	25.88	-0.507	-1.096	5.989	-13.75	308.9	883	0
4/2/2014 16:00	61278	15	92	7.915	10.55	239.7	10.55	239.7	10.54	12.65	239.9	9.98	26.81	26.4	25.82	-0.411	-0.991	6.353	-13.13	272.4	883	0
4/2/2014 16:15	61279	15	92	6.427	8.81	248	8.81	248	9.29	10.86	248	6.817	26.66	26.25	25.66	-0.407	-0.997	6.621	-12.73	254.7	883	0
4/2/2014 16:30	61280	15	92	5.32	7.291	236.5	7.291	236.5	12.61	8.74	235	9.58	26.7	26.36	25.83	-0.34	-0.864	6.775	-12.4	216.4	883	0
4/2/2014 16:45	61281	15	92	5.406	7.4	241.1	7.4	241.1	10.84	9.23	241.5	9.02	26.57	26.24	25.71	-0.331	-0.856	6.955	-12.17	225.3	883	0
4/2/2014 17:00	61282	15	92	4.873	6.423	232.2	6.423	232.2	12.64	7.959	232.8	10.69	26.63	26.37	25.88	-0.261	-0.754	6.87	-12.28	189.3	883	0
4/2/2014 17:15	61283	15	92	4.931	6.699	225.5	6.699	225.5	9.12	8.09	227.1	6.982	26.48	26.38	25.98	-0.102	-0.502	6.877	-12.37	118.4	882	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/2/2014 17:30	61284	15	92	5.427	7.45	241.2	7.45	241.2	9.36	9.39	243	8.47	26.55	26.55	26.2	0.003	-0.343	6.715	-12.63	89.4	882	0
4/2/2014 17:45	61285	15	92	5.562	7.411	241.5	7.411	241.5	8.12	8.84	240.5	7.916	26.34	26.4	26.07	0.068	-0.264	6.666	-12.88	50.2	882	0
4/2/2014 18:00	61286	15	92	5.097	6.859	241.4	6.859	241.4	8.16	8.59	240.9	7.066	25.94	26.1	25.84	0.159	-0.107	6.826	-12.86	31.35	882	0
4/2/2014 18:15	61287	15	92	4.487	5.994	234.2	5.994	234.2	10.16	8.83	234.5	6.778	25.47	25.72	25.68	0.247	0.205	6.947	-12.99	13.94	882	0
4/2/2014 18:30	61288	15	92	3.419	5.043	224.2	5.043	224.2	7.615	8.03	227.8	3.357	24.8	25.2	25.59	0.398	0.791	7.376	-12.73	4.962	882	0
4/2/2014 18:45	61289	15	92	3.192	4.739	228.4	4.739	228.4	8.83	8.01	231.3	5.398	24.22	24.75	25.23	0.532	1.01	7.571	-12.84	0.81	882	0
4/2/2014 19:00	61290	15	92	3.76	5.227	237.1	5.227	237.1	8.59	7.888	242.1	6.57	24.31	24.69	24.87	0.379	0.56	6.993	-13.76	0.912	882	0
4/2/2014 19:15	61291	15	92	3.188	4.664	240.5	4.664	240.5	8.75	7.486	245	6.071	23.84	24.33	24.71	0.481	0.868	7.176	-13.78	0.694	882	0
4/2/2014 19:30	61292	15	92	2.337	3.708	230	3.708	230	8.92	6.93	238.8	4.832	22.56	23.49	24.51	0.931	1.951	8.14	-13.2	0.745	883	0
4/2/2014 19:45	61293	15	92	1.7	3.266	226	3.266	226	6.825	7.175	235.7	3.346	21.14	22.65	24.34	1.509	3.202	9.03	-12.96	0.626	883	0
4/2/2014 20:00	61294	15	92	1.767	3.314	227.6	3.314	227.6	6.891	6.976	236.6	3.823	20.75	22.44	23.84	1.687	3.084	9.36	-12.8	0.782	883	0
4/2/2014 20:15	61295	15	92	0.916	2.157	209.8	2.157	209.8	7.262	5.807	226.5	3.127	20.03	21.52	23.26	1.492	3.235	9.69	-12.93	0.542	883	0
4/2/2014 20:30	61296	15	92	1.186	2.581	209.4	2.581	209.4	8.21	6.99	231.7	3.559	19.73	21.35	23.57	1.622	3.842	9.87	-12.92	0.684	884	0
4/2/2014 20:45	61297	15	92	2.273	3.973	229.8	3.973	229.8	9.07	7.458	240.3	4.455	19.8	21.42	23.05	1.613	3.244	9.84	-12.92	1.004	884	0
4/2/2014 21:00	61298	15	92	2.876	4.421	242.2	4.421	242.2	8.77	8.19	242	5.633	20.57	21.55	22.66	0.98	2.095	8.88	-13.6	1.102	884	0
4/2/2014 21:15	61299	15	92	2.925	4.65	240.9	4.65	240.9	10.5	8.04	244.3	5.145	20.42	21.26	22.36	0.838	1.94	8.63	-14.07	0.986	884	0
4/2/2014 21:30	61300	15	92	2.307	3.668	240.4	3.668	240.4	9.44	6.936	239.5	5.593	19.93	21.01	22.09	1.086	2.163	9	-13.92	0.755	884	0
4/2/2014 21:45	61301	15	92	2.27	3.707	236.7	3.707	236.7	10.01	6.96	236.6	5.612	19.6	20.98	22.06	1.38	2.46	9.13	-13.99	0.873	884	0
4/2/2014 22:00	61302	15	92	2.636	4.302	235.2	4.302	235.2	9.53	7.943	239.6	5.804	19.4	20.72	21.88	1.324	2.485	9.18	-14.08	0.857	884	0
4/2/2014 22:15	61303	15	92	4.486	6.132	239	6.132	239	9.68	10.03	241.7	6.871	20.78	21.33	22.01	0.548	1.235	8.3	-14.29	1.383	884	0
4/2/2014 22:30	61304	15	92	5.465	7.597	242.2	7.597	242.2	8.67	10.61	242	7.159	21.74	22.22	22.46	0.483	0.723	7.474	-14.84	1.458	884	0
4/2/2014 22:45	61305	15	92	5.008	6.987	245.6	6.987	245.6	9.88	9.81	244.7	6.251	21.51	21.99	22.32	0.476	0.803	7.292	-15.31	0.952	884	0
4/2/2014 23:00	61306	15	92	2.609	4.632	258.8	4.632	258.8	12.21	7.674	251	6.583	19.27	20.1	21.18	0.834	1.911	8.88	-14.59	0.621	884	0
4/2/2014 23:15	61307	15	92	2.241	3.914	265	3.914	265	16.64	6.774	252.6	7.313	19.13	20.08	20.96	0.951	1.837	8.92	-14.64	0.63	884	0
4/2/2014 23:30	61308	15	92	1.285	2.252	299.1	2.252	299.1	24.27	5.221	253.1	5.621	16.86	18.6	20.41	1.737	3.549	10.61	-14.29	0.355	884	0
4/2/2014 23:45	61309	15	92	0.949	0.895	252.9	0.895	252.9	42	4.161	238.9	8.49	12.99	18.32	20.06	5.331	7.072	14.36	-13.62	0.322	884	0
4/3/2014 0:00	61310	15	93	0.582	1.861	213.8	1.861	213.8	18.55	4.914	229.3	8.95	13.34	18.79	20.3	5.446	6.956	14.61	-13.11	0.488	884	0
4/3/2014 0:15	61311	15	93	1.41	2.493	189.5	2.493	189.5	17.8	4.59	223.1	10.12	14.55	18.81	19.94	4.262	5.391	12.57	-13.99	0.711	884	0
4/3/2014 0:30	61312	15	93	1.626	3.283	171	3.283	171	11.26	4.633	206.8	9.35	14.27	17.76	19.17	3.484	4.896	12.76	-14.02	0.714	884	0
4/3/2014 0:45	61313	15	93	1.894	3.633	175.2	3.633	175.2	11.56	5.759	200.6	6.651	14.49	17.09	18.93	2.598	4.444	12.94	-13.68	0.777	884	0
4/3/2014 1:00	61314	15	93	2.218	4.41	184.6	4.41	184.6	7.916	7.272	202.9	4.073	15.61	17.41	19.16	1.803	3.557	12.08	-13.63	1.19	884	0
4/3/2014 1:15	61315	15	93	2.221	4.68	189.9	4.68	189.9	6.728	8.41	209.6	3.721	14.93	16.92	19.13	1.985	4.199	12.59	-13.66	0.927	884	0
4/3/2014 1:30	61316	15	93	2.696	4.951	201.2	4.951	201.2	6.003	9.73	211.7	2.767	15.11	16.66	18.91	1.553	3.807	13.64	-12.53	1.329	884	0
4/3/2014 1:45	61317	15	93	3.513	5.681	203.1	5.681	203.1	6.933	9.99	209.5	3.579	16.44	17.4	18.66	0.96	2.22	13.91	-11.23	1.528	884	0
4/3/2014 2:00	61318	15	93	4.011	6.057	203.1	6.057	203.1	6.644	10.21	210.9	3.883	16.79	17.59	18.64	0.795	1.841	14.59	-10.35	1.258	884	0
4/3/2014 2:15	61319	15	93	3.903	5.766	205.8	5.766	205.8	6.566	9.68	212.1	3.493	17.04	17.81	18.74	0.771	1.707	15.52	-9.37	1.18	884	0
4/3/2014 2:30	61320	15	93	2.96	4.898	202.2	4.898	202.2	6.075	9.09	210.3	2.697	16.35	17.38	18.7	1.027	2.351	16.62	-9.05	1.009	884	0
4/3/2014 2:45	61321	15	93	2.464	4.241	204.8	4.241	204.8	6.055	8.72	211.2	2.933	15.79	16.87	18.34	1.084	2.556	17.52	-8.83	0.854	884	0
4/3/2014 3:00	61322	15	93	2.091	3.896	198.4	3.896	198.4	9.41	8.32	209.5	5.665	14.93	16.1	17.68	1.172	2.756	18.79	-8.65	0.869	884	0
4/3/2014 3:15	61323	15	93	1.727	3.561	176.8	3.561	176.8	8.51	8.29	195.2	3.42	13.23	14.36	16.74	1.131	3.514	21.02	-8.62	0.744	884	0
4/3/2014 3:30	61324	15	93	2.338	4.314	181.7	4.314	181.7	7.044	9.47	193.8	3.941	13.46	14.54	17.33	1.081	3.867	21.58	-8.09	0.954	884	0
4/3/2014 3:45	61325	15	93	2.022	3.89	186.9	3.89	186.9	6.635	9.07	197.8	2.431	14.01	15.22	17.73	1.208	3.718	21.26	-7.813	1.073	884	0
4/3/2014 4:00	61326	15	93	2.026	3.968	181.1	3.968	181.1	6.098	8.85	197.6	2.976	13.79	15.15	17.88	1.352	4.089	21.74	-7.709	0.985	884	0
4/3/2014 4:15	61327	15	93	0.975	2.849	173.8	2.849	173.8	6.578	7.487	195	2.779	12.96	14.52	17.23	1.559	4.264	23.32	-7.505	0.606	884	0
4/3/2014 4:30	61328	15	93	0.447	1.5	177.6	1.5	177.6	19.51	6.513	196.5	3.226	12.87	14.01	16.58	1.139	3.714	23.79	-7.324	0.526	884	0
4/3/2014 4:45	61329	15	93	1.177	2.232	216.9	2.232	216.9	26.71	5.723	201.7	8.55	12.63	14.63	16.31	2.001	3.672	24.31	-7.248	0.817	885	0
4/3/2014 5:00	61330	15	93	1.981	3.005	291.4	3.005	291.4	12.13	4.347	270.9	14.15	12.35	14.59	15.41	2.24	3.058	24.81	-7.22	0.7	885	0
4/3/2014 5:15	61331	15	93	1.066	2.08	285.4	2.08	285.4	23.59	4.024	261.1	11.15	10.06	14.84	16.24	4.784	6.177	27.63	-7.815	0.433	885	0
4/3/2014 5:30	61332	15	93	1.062	2.026	256.6	2.026	256.6	21.62	4.195	253.9	5.608	7	15.02	16.4	8.02	9.39	33.31	-8.07	0.462	885	0
4/3/2014 5:45	61333	15	93	1.382	2.873	233.1	2.873	233.1	5.354	4.094	244.2	5.258	10.9	15.7	16.47	4.8	5.573	28.48	-6.723	4.022	886	0
4/3/2014 6:00	61334	15	93	0.988	2.613	243.7	2.613	243.7	9.83	4.762	257.8	10.68	11.52	15.37	16.58	3.85	5.057	26.47	-7.102	27.01	886	0
4/3/2014 6:15	61335	15	93	1.1	2.566	245.4	2.566	245.4	8.58	4.424	262	9.32	13.07	15.45	16.27	2.382	3.194	24.54	-6.75	66.38	886	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/3/2014 6:30	61336	15	93	1.728	2.99	265.4	2.99	265.4	12.66	6.675	286.4	5.545	14.11	14.74	15.94	0.625	1.832	20.86	-7.995	119.1	886	0
4/3/2014 6:45	61337	15	93	2.549	4.301	274.4	4.301	274.4	9.52	7.182	285.5	5.795	15.61	15.8	16.06	0.195	0.453	16.7	-9.6	180.4	887	0
4/3/2014 7:00	61338	15	93	2.522	3.87	281.4	3.87	281.4	27.04	5.122	289.5	20.12	16.32	16.15	15.85	-0.168	-0.467	15.48	-9.97	240.5	887	0
4/3/2014 7:15	61339	15	93	1.317	1.759	347.7	1.759	347.7	23	2.117	324.9	21.85	16.23	15.97	15.65	-0.26	-0.583	15.73	-9.85	304.3	887	0
4/3/2014 7:30	61340	15	93	2.909	3.521	309.1	3.521	309.1	21.95	4.35	302	15.85	16.73	16.39	15.88	-0.336	-0.848	15.09	-9.97	368.3	887	0
4/3/2014 7:45	61341	15	93	4.772	5.923	290.7	5.923	290.7	9.45	7.491	292.7	5.858	17.18	16.64	16	-0.539	-1.178	16.09	-8.78	431.7	887	0
4/3/2014 8:00	61342	15	93	5.032	5.896	291.7	5.896	291.7	8.63	7.597	293.5	5.178	17.66	17.02	16.27	-0.647	-1.391	15.91	-8.54	492.5	887	0
4/3/2014 8:15	61343	15	93	5.435	6.985	288.8	6.985	288.8	8.85	8.71	289.5	6.529	18.04	17.26	16.49	-0.783	-1.554	16	-8.16	550.3	887	0
4/3/2014 8:30	61344	15	93	5.41	6.995	286.9	6.995	286.9	12.64	8.32	289.2	10.07	18.34	17.44	16.61	-0.901	-1.725	16.41	-7.595	602.8	887	0
4/3/2014 8:45	61345	15	93	5.795	7.795	286.5	7.795	286.5	9.29	9.5	287.8	7.579	18.42	17.42	16.55	-0.996	-1.861	16.5	-7.466	653	888	0
4/3/2014 9:00	61346	15	93	5.922	7.876	284.8	7.876	284.8	9.94	9.88	286.7	8.2	18.68	17.64	16.59	-1.045	-2.09	16.33	-7.377	702.2	888	0
4/3/2014 9:15	61347	15	93	6.911	9.57	283.6	9.57	283.6	9.27	11.79	286.2	6.124	18.59	17.41	16.35	-1.176	-2.236	16.66	-7.199	748.2	888	0
4/3/2014 9:30	61348	15	93	7.249	9.1	288.6	9.1	288.6	11.34	10.93	289	9.29	18.69	17.45	16.45	-1.241	-2.244	16.38	-7.332	790.1	888	0
4/3/2014 9:45	61349	15	93	6.685	8.52	287.9	8.52	287.9	10.57	9.87	289.8	8.31	19.01	17.75	16.67	-1.265	-2.34	16.24	-7.183	828	888	0
4/3/2014 10:00	61350	15	93	7.793	10.29	285.5	10.29	285.5	10.75	12.26	286.3	8.44	18.97	17.67	16.59	-1.297	-2.38	16.14	-7.302	861	888	0
4/3/2014 10:15	61351	15	93	7.537	11.42	273.1	11.42	273.1	12.2	13.54	275.3	9.77	19.21	17.81	16.64	-1.397	-2.571	15.56	-7.579	893	888	0
4/3/2014 10:30	61352	15	93	8.14	11.22	282.8	11.22	282.8	10.59	13.86	284.4	7.991	19.14	17.75	16.57	-1.392	-2.573	15.2	-7.937	917	888	0
4/3/2014 10:45	61353	15	93	7.376	10.77	278.9	10.77	278.9	9.73	12.75	279.5	7.791	19.6	18.17	16.94	-1.423	-2.653	14.65	-8.05	946	888	0
4/3/2014 11:00	61354	15	93	8.26	12.05	278.3	12.05	278.3	11.59	14.16	281.5	9.85	19.57	18.08	16.87	-1.484	-2.696	14.31	-8.37	966	888	0
4/3/2014 11:15	61355	15	93	8.87	13.22	277.5	13.22	277.5	10.1	15.31	278.9	7.421	19.45	17.96	16.79	-1.489	-2.663	13.36	-9.34	987	888	0
4/3/2014 11:30	61356	15	93	8.67	12.97	276.9	12.97	276.9	10.25	15.35	278.4	8.07	19.71	18.19	16.95	-1.528	-2.762	12.62	-9.86	1001	888	0
4/3/2014 11:45	61357	15	93	9	12.61	278.3	12.61	278.3	12.31	14.96	279.9	9.83	20.13	18.71	17.41	-1.425	-2.717	11.78	-10.4	1010	888	0
4/3/2014 12:00	61358	15	93	8.59	12.75	272.1	12.75	272.1	11.15	15.1	273.8	9.68	20.24	18.78	17.55	-1.459	-2.687	11.29	-10.86	1017	888	0
4/3/2014 12:15	61359	15	93	9.62	14.28	276.4	14.28	276.4	9.99	16.8	277.9	8.13	20.75	19.35	18.13	-1.402	-2.616	9.51	-12.65	1004	888	0
4/3/2014 12:30	61360	15	93	10.44	15.92	277.4	15.92	277.4	9.03	18.95	278.5	7.034	20.93	19.55	18.33	-1.376	-2.605	7.634	-15.23	1001	888	0
4/3/2014 12:45	61361	15	93	9.68	14.44	269.8	14.44	269.8	11.98	16.94	271.8	10.44	21.44	20.02	18.7	-1.416	-2.744	5.55	-18.74	1020	888	0
4/3/2014 13:00	61362	15	93	9.71	14.56	275.3	14.56	275.3	11.29	17.62	277.5	9.27	21.34	19.94	18.66	-1.409	-2.684	3.911	-22.86	1013	888	0
4/3/2014 13:15	61363	15	93	10.08	15.04	272.8	15.04	272.8	10.86	17.94	273.6	9.51	21.34	19.97	18.66	-1.376	-2.687	3.654	-23.62	1004	888	0
4/3/2014 13:30	61364	15	93	9	13.42	268.9	13.42	268.9	11.36	15.98	270.8	8.88	21.48	20.06	18.69	-1.418	-2.784	3.51	-24.01	989	888	0
4/3/2014 13:45	61365	15	93	9	13.1	273.1	13.1	273.1	13.39	15.46	274.5	11.01	21.47	19.99	18.79	-1.484	-2.683	3.346	-24.57	960	888	0
4/3/2014 14:00	61366	15	93	8.68	13.04	271.7	13.04	271.7	10.26	15.64	274.2	8.99	21.62	20.29	18.97	-1.332	-2.651	2.998	-25.79	932	888	0
4/3/2014 14:15	61367	15	93	8.41	13.18	275.6	13.18	275.6	8.71	15.19	276.8	5.97	21.52	20.17	19.04	-1.351	-2.478	2.732	-26.89	902	888	0
4/3/2014 14:30	61368	15	93	7.49	10.96	274.1	10.96	274.1	11.91	13.13	277.2	9.47	21.54	20.21	18.99	-1.327	-2.547	2.834	-26.48	854	888	0
4/3/2014 14:45	61369	15	93	7.846	11.13	272.3	11.13	272.3	13.93	13.14	274.3	10.71	21.47	20.25	19.17	-1.216	-2.304	2.367	-28.62	816	888	0
4/3/2014 15:00	61370	15	93	6.535	9.93	267.8	9.93	267.8	9.1	11.65	269.9	8.98	21.45	20.16	19.08	-1.292	-2.374	2.535	-27.84	756.3	888	0
4/3/2014 15:15	61371	15	93	6.239	8.73	270.9	8.73	270.9	16.83	10.48	274.4	15.17	21.53	20.19	19.26	-1.34	-2.274	2.726	-26.87	702	888	0
4/3/2014 15:30	61372	15	93	5.109	6.668	300.3	6.668	300.3	18.95	6.935	299.4	16.32	21.46	20.38	19.44	-1.087	-2.02	2.997	-25.83	646.8	888	0
4/3/2014 15:45	61373	15	93	5.072	6.057	319.8	6.057	319.8	14.49	6.311	321.1	10.66	20.97	20	19.17	-0.972	-1.798	4.132	-22.5	596.5	888	0
4/3/2014 16:00	61374	15	93	5.344	7.148	328.9	7.148	328.9	12.89	8.13	326.1	10.76	21.11	20.14	19.25	-0.972	-1.857	4.682	-20.88	544	888	0
4/3/2014 16:15	61375	15	93	4.882	5.806	308.4	5.806	308.4	14.15	5.966	311.8	11.67	21	20.04	19.26	-0.958	-1.737	4.451	-21.53	494.5	888	0
4/3/2014 16:30	61376	15	93	5.954	7.941	320.9	7.941	320.9	14.39	8.64	321.6	11.41	20.72	19.97	19.21	-0.753	-1.515	4.482	-21.66	434.8	888	0
4/3/2014 16:45	61377	15	93	4.67	5.966	324.4	5.966	324.4	22.44	6.759	325.2	16.68	20.47	19.77	19.04	-0.699	-1.429	4.595	-21.54	373.2	889	0
4/3/2014 17:00	61378	15	93	6.363	8.2	325.6	8.2	325.6	15.37	9.18	325.2	12.69	20.22	19.7	18.99	-0.518	-1.233	4.755	-21.33	307.6	889	0
4/3/2014 17:15	61379	15	93	5.075	6.943	328.8	6.943	328.8	12.9	8.38	327.8	9.82	19.92	19.51	18.88	-0.416	-1.046	4.927	-21.12	241	889	0
4/3/2014 17:30	61380	15	93	5.773	8.28	340.1	8.28	340.1	10.51	10.02	339.2	6.944	19.5	19.21	18.66	-0.284	-0.839	5.26	-20.66	174.4	889	0
4/3/2014 17:45	61381	15	93	4.605	6.818	340.7	6.818	340.7	10.02	8.57	339.7	8.65	19.21	19.09	18.67	-0.118	-0.54	5.597	-20.14	113.5	890	0
4/3/2014 18:00	61382	15	93	4.946	7.267	332.9	7.267	332.9	9.28	9.63	331.5	6.561	18.69	18.77	18.53	0.076	-0.166	5.737	-20.23	59.08	890	0
4/3/2014 18:15	61383	15	93	4.361	6.607	336.3	6.607	336.3	7.838	9.15	336.3	6.021	17.93	18.2	18.17	0.264	0.238	6.335	-19.62	18.88	890	0
4/3/2014 18:30	61384	15	93	3.64	5.664	341.6	5.664	341.6	8.63	8.55	341.8	5.734	17.1	17.54	17.81	0.44	0.707	6.958	-19.13	3.224	891	0
4/3/2014 18:45	61385	15	93	3.016	4.985	357.4	4.985	357.4	14.08	8.07	358.9	13.87	16.15	16.69	17.14	0.54	0.986	8.24	-17.86	0.814	891	0
4/3/2014 19:00	61386	15	93	3.43	5.501	1.938	5.501	1.938	13.74	9.16	0.935	15.97	15.65	16.17	16.82	0.518	1.175	9.49	-16.53	0.777	891	0
4/3/2014 19:15	61387	15	93	3.122	5.199	5.754	5.199	5.754	9.53	8.6	3.597	11.34	15.15	15.72	16.36	0.571	1.208	10.34	-15.89	0.764	891	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/3/2014 19:30	61388	15	93	2.749	4.723	12.18	4.723	12.18	7.479	8.41	7.204	2.965	14.37	15.01	15.8	0.642	1.426	11.57	-15.13	0.57	892	0
4/3/2014 19:45	61389	15	93	2.969	4.937	13.74	4.937	13.74	7.007	8.5	9.38	3.119	14.25	14.87	15.59	0.622	1.341	11.94	-14.84	0.908	892	0
4/3/2014 20:00	61390	15	93	2.243	4.096	24.36	4.096	24.36	4.516	7.669	13.74	2.978	12.91	13.82	15.04	0.918	2.135	13.11	-14.78	0.647	892	0
4/3/2014 20:15	61391	15	93	1.982	3.997	25.96	3.997	25.96	3.573	8.15	16.43	2.263	11.57	12.84	14.64	1.274	3.07	14.56	-14.58	0.584	893	0
4/3/2014 20:30	61392	15	93	2.022	4.287	26.05	4.287	26.05	3.957	8.92	17.89	1.853	10.95	12.49	14.66	1.538	3.708	15.68	-14.16	0.713	893	0
4/3/2014 20:45	61393	15	93	2.548	4.873	19.4	4.873	19.4	4.748	9.89	13.88	2.025	11.34	12.37	14.75	1.029	3.404	15.77	-13.77	0.859	893	0
4/3/2014 21:00	61394	15	93	3.048	5.43	20.3	5.43	20.3	7.064	10.23	16.49	7.134	11.06	11.89	13.96	0.836	2.902	16.49	-13.46	0.91	893	0
4/3/2014 21:15	61395	15	93	5.231	7.757	34.46	7.757	34.46	7.352	10.79	35.92	5.889	12.08	12.3	12.3	0.221	0.227	22.34	-8.87	1.243	894	0
4/3/2014 21:30	61396	15	93	5.435	7.984	37.09	7.984	37.09	7.598	10.79	37.8	4.969	11.6	11.74	11.62	0.145	0.023	30.87	-5.041	1.006	894	0
4/3/2014 21:45	61397	15	93	5.104	7.392	41.4	7.392	41.4	7.937	10.35	41.61	5.169	11.05	11.19	11.07	0.137	0.02	35.89	-3.501	0.944	894	0
4/3/2014 22:00	61398	15	93	5.668	8.39	41.6	8.39	41.6	8.12	10.76	41.5	5.941	10.67	10.77	10.58	0.104	-0.084	39.77	-2.456	1.078	894	0
4/3/2014 22:15	61399	15	93	5.733	8.28	48.63	8.28	48.63	8.49	10.92	49.82	6.77	10.11	10.19	9.99	0.088	-0.117	41.96	-2.235	0.88	895	0
4/3/2014 22:30	61400	15	93	5.961	8.63	47.7	8.63	47.7	8.38	11.32	49.36	6.357	9.51	9.59	9.38	0.077	-0.133	43.5	-2.288	1.065	895	0
4/3/2014 22:45	61401	15	93	6.662	9.69	46.75	9.69	46.75	8.61	12.87	48.28	6.036	9.03	9.08	8.87	0.056	-0.161	44.91	-2.295	1.17	895	0
4/3/2014 23:00	61402	15	93	5.816	8.67	47.67	8.67	47.67	7.819	11.4	49.68	5.526	8.6	8.68	8.47	0.076	-0.133	45.99	-2.365	0.995	895	0
4/3/2014 23:15	61403	15	93	5.22	7.741	48.83	7.741	48.83	8.89	10.37	49.44	6.972	8.28	8.39	8.21	0.101	-0.079	45.57	-2.777	0.976	895	0
4/3/2014 23:30	61404	15	93	4.767	6.895	53.68	6.895	53.68	8.46	9.45	54.12	5.564	7.939	8.06	7.924	0.124	-0.015	44.83	-3.314	0.93	895	0
4/3/2014 23:45	61405	15	93	4.895	6.991	55.05	6.991	55.05	8.56	9.64	54.67	6.201	7.718	7.839	7.723	0.122	0.005	43.29	-3.983	0.919	895	0
4/4/2014 0:00	61406	15	94	4.675	6.725	54.25	6.725	54.25	7.384	9.29	54.3	5.338	7.441	7.582	7.492	0.141	0.051	42.81	-4.382	0.954	895	0
4/4/2014 0:15	61407	15	94	4.852	7.194	48.69	7.194	48.69	7.33	9.8	50.8	5.103	7.254	7.39	7.277	0.135	0.023	43	-4.494	1.028	896	0
4/4/2014 0:30	61408	15	94	4.385	6.418	49.55	6.418	49.55	7.733	9.02	50.68	5.465	7.004	7.139	7.042	0.135	0.038	44.16	-4.37	0.819	896	0
4/4/2014 0:45	61409	15	94	4.068	6.049	55.74	6.049	55.74	7.624	8.51	55.41	4.188	6.645	6.813	6.751	0.169	0.106	45.9	-4.182	0.895	896	0
4/4/2014 1:00	61410	15	94	3.934	5.895	51.62	5.895	51.62	7.368	8.77	52.72	4.109	6.268	6.447	6.455	0.18	0.187	47.7	-4.016	0.787	896	0
4/4/2014 1:15	61411	15	94	3.929	5.894	49.44	5.894	49.44	6.989	8.54	50.84	4.498	6.023	6.209	6.187	0.186	0.163	49.2	-3.83	0.784	896	0
4/4/2014 1:30	61412	15	94	3.907	5.753	52.27	5.753	52.27	7.431	8.57	52.89	4.769	5.769	5.931	5.942	0.162	0.173	50.23	-3.787	0.855	896	0
4/4/2014 1:45	61413	15	94	3.23	4.898	32.24	4.898	32.24	30.59	7.207	42.64	20.37	5.432	5.643	5.66	0.211	0.227	51.51	-3.763	0.719	896	0
4/4/2014 2:00	61414	15	94	3.175	4.832	344.7	4.832	344.7	23.76	6.042	357	19.82	5.018	5.288	5.358	0.27	0.34	53.1	-3.741	0.745	896	0
4/4/2014 2:15	61415	15	94	2.537	4.183	354.1	4.183	354.1	14.1	5.688	6.52	11.85	4.673	5.111	5.236	0.438	0.563	53.97	-3.85	0.734	897	0
4/4/2014 2:30	61416	15	94	1.726	3.34	8.18	3.34	8.18	8.75	5.237	16.69	4.83	3.653	4.772	5.19	1.118	1.536	57.29	-4.007	0.509	897	0
4/4/2014 2:45	61417	15	94	1.298	3.158	12.23	3.158	12.23	5.918	5.112	20.76	3.689	2.613	4.258	5.078	1.645	2.466	60.49	-4.265	0.539	897	0
4/4/2014 3:00	61418	15	94	1.095	3.306	12.96	3.306	12.96	4.39	4.948	22.67	3.654	1.652	4.284	5.007	2.631	3.354	63.28	-4.574	0.578	897	0
4/4/2014 3:15	61419	15	94	0.885	2.382	14.69	2.382	14.69	6.582	3.97	21.97	4.543	0.798	4.147	4.946	3.349	4.148	65.07	-5.019	0.478	897	0
4/4/2014 3:30	61420	15	94	1.061	2.667	10.78	2.667	10.78	5.151	4.077	16.18	4.626	0.425	4.092	4.924	3.667	4.499	65.99	-5.189	0.477	897	0
4/4/2014 3:45	61421	15	94	1.249	2.686	357.2	2.686	357.2	6.919	3.618	3.329	10.19	0.179	4.387	4.936	4.207	4.757	66.87	-5.249	0.436	897	0
4/4/2014 4:00	61422	15	94	1.11	2.342	348.8	2.342	348.8	7.416	3.483	357.1	7.267	0.331	3.922	4.935	3.591	4.605	67.76	-4.93	0.501	897	0
4/4/2014 4:15	61423	15	94	0.955	1.812	345.8	1.812	345.8	10.79	3.479	355.6	11.11	0.147	3.168	4.836	3.021	4.689	68.65	-4.933	0.457	898	0
4/4/2014 4:30	61424	15	94	1.182	2.234	353.8	2.234	353.8	17.19	3.719	354.2	6.578	-0.116	3.528	4.889	3.644	5.006	69.75	-4.977	0.535	898	0
4/4/2014 4:45	61425	15	94	1.19	1.873	25.7	1.873	25.7	15.21	3.362	359.3	7.802	-0.355	3.031	4.896	3.386	5.252	70.25	-5.111	0.507	898	0
4/4/2014 5:00	61426	15	94	1.503	2.411	35.68	2.411	35.68	10.55	3.708	4.963	6.214	-1.635	3.09	4.786	4.725	6.422	73.1	-5.822	0.416	898	0
4/4/2014 5:15	61427	15	94	1.223	2.476	60.6	2.476	60.6	8.88	3.364	13.23	10.36	-1.586	2.711	4.617	4.296	6.203	74.94	-5.446	0.501	898	0
4/4/2014 5:30	61428	15	94	0.629	1.808	70.33	1.808	70.33	12.52	2.253	10.52	5.813	-1.81	2	4.272	3.81	6.083	73.14	-5.984	0.547	898	0
4/4/2014 5:45	61429	15	94	0.692	1.602	63.53	1.602	63.53	10.71	1.742	12.95	10.4	-2.84	2.69	4.556	5.53	7.397	75.26	-6.607	4.074	898	0
4/4/2014 6:00	61430	15	94	0.555	1.29	76.21	1.29	76.21	15.93	1.223	20.27	16.72	-2.849	2.945	4.568	5.794	7.417	74.58	-6.732	39.3	898	0
4/4/2014 6:15	61431	15	94	0.528	0.87	63.94	0.87	63.94	34.53	0.883	352.3	26.21	-1.47	3.145	4.555	4.615	6.025	71.38	-5.98	74.22	899	0
4/4/2014 6:30	61432	15	94	0.713	0.872	38.1	0.872	38.1	30.3	0.755	335	21.84	0.652	3.586	4.627	2.934	3.975	67.7	-4.64	111.5	899	0
4/4/2014 6:45	61433	15	94	0.655	1.057	34	1.057	34	25.46	1.383	17.11	22.12	3.789	3.817	4.522	0.028	0.733	59.49	-3.385	169.8	899	0
4/4/2014 7:00	61434	15	94	0.694	0.774	17.7	0.774	17.7	78.62	1.053	21.17	49.21	5.174	4.961	4.729	-0.212	-0.445	52.15	-3.853	240.5	899	0
4/4/2014 7:15	61435	15	94	1.177	1.461	88.3	1.461	88.3	44.02	1.484	91.3	21.87	5.817	5.36	4.851	-0.457	-0.965	46.17	-4.863	305.8	900	0
4/4/2014 7:30	61436	15	94	1.34	1.591	78.44	1.591	78.44	22.43	1.846	83	16.85	6.095	5.573	5.051	-0.522	-1.044	45.74	-4.731	318.7	899	0
4/4/2014 7:45	61437	15	94	1.465	1.77	100.2	1.77	100.2	33.28	2.034	102.8	24	6.53	5.929	5.378	-0.601	-1.152	44.17	-4.798	416.5	900	0
4/4/2014 8:00	61438	15	94	1.329	1.474	94.3	1.474	94.3	59.14	2.08	97.2	30.88	6.933	6.429	5.845	-0.504	-1.088	42.68	-4.889	521.2	900	0
4/4/2014 8:15	61439	15	94	2.242	2.793	104.5	2.793	104.5	21.71	3.114	104.7	16.21	7.529	6.784	6.148	-0.745	-1.381	38.87	-5.581	543.3	900	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/4/2014 8:30	61440	15	94	2.495	3.121	126.8	3.121	126.8	17.42	3.345	126.4	11	8.07	7.172	6.365	-0.9	-1.707	37.17	-5.679	583.5	900	0
4/4/2014 8:45	61441	15	94	1.943	2.283	132.5	2.283	132.5	31.37	2.705	133	29.17	8.17	7.364	6.693	-0.81	-1.481	37.08	-5.621	652.5	900	0
4/4/2014 9:00	61442	15	94	1.625	1.89	127.7	1.89	127.7	30.43	2.421	145.1	26.16	8.43	7.753	7.125	-0.677	-1.304	35.86	-5.832	726	900	0
4/4/2014 9:15	61443	15	94	2.683	3.281	130.3	3.281	130.3	26.45	3.826	132	17.93	9.56	8.62	7.796	-0.946	-1.765	30.37	-7.01	692	900	0
4/4/2014 9:30	61444	15	94	2.712	3.23	143.2	3.23	143.2	24.72	3.531	137.7	23.05	10.13	8.96	8.22	-1.167	-1.906	28.28	-7.443	824	899	0
4/4/2014 9:45	61445	15	94	3.002	3.849	132.1	3.849	132.1	22.36	4.19	131.3	18.96	11.06	9.76	8.91	-1.297	-2.15	26.48	-7.485	863	899	0
4/4/2014 10:00	61446	15	94	3.209	4.045	159.5	4.045	159.5	19.07	4.443	156.9	16.1	11.67	10.03	9.25	-1.64	-2.418	24.49	-7.972	875	899	0
4/4/2014 10:15	61447	15	94	2.769	3.613	131.4	3.613	131.4	25.52	4.12	133.5	18.15	12.01	10.54	9.69	-1.477	-2.319	24.09	-7.891	921	899	0
4/4/2014 10:30	61448	15	94	3.149	3.79	139.4	3.79	139.4	27.62	4.19	136.2	22.51	12.44	11.07	10.17	-1.366	-2.267	22.98	-8.14	844	899	0
4/4/2014 10:45	61449	15	94	3.255	4.138	142.2	4.138	142.2	19.39	4.691	142.6	14.23	12.83	11.31	10.43	-1.514	-2.395	22.44	-8.12	862	899	0
4/4/2014 11:00	61450	15	94	2.859	3.672	143.6	3.672	143.6	26.45	4.125	144.3	20.18	13.07	11.64	10.86	-1.43	-2.207	22.38	-7.948	950	898	0
4/4/2014 11:15	61451	15	94	3.429	4.23	164.3	4.23	164.3	27.71	4.532	161.2	18.01	13.6	12.08	11.24	-1.516	-2.359	21.4	-8.08	856	898	0
4/4/2014 11:30	61452	15	94	2.971	3.795	157.7	3.795	157.7	24.66	4.428	154.5	19.24	14.26	12.75	11.78	-1.503	-2.473	21.07	-7.733	994	898	0
4/4/2014 11:45	61453	15	94	3.614	4.607	122.2	4.607	122.2	26.71	5.009	125	22.05	14.55	12.97	11.96	-1.584	-2.59	19.63	-8.39	798.1	897	0
4/4/2014 12:00	61454	15	94	3.481	4.348	142.9	4.348	142.9	18.38	4.988	136.9	15.78	14.49	13	12.15	-1.488	-2.335	19.35	-8.63	936	897	0
4/4/2014 12:15	61455	15	94	3.828	4.716	152.7	4.716	152.7	25.02	5.296	152.7	18.8	15.2	13.47	12.55	-1.73	-2.653	18.85	-8.38	1026	897	0
4/4/2014 12:30	61456	15	94	3.139	3.93	144.1	3.93	144.1	29.33	4.64	144.9	24.03	15.18	13.82	12.9	-1.356	-2.276	18.71	-8.49	949	896	0
4/4/2014 12:45	61457	15	94	3.754	4.872	139.5	4.872	139.5	19.07	5.332	141.8	15.77	16.12	14.48	13.5	-1.641	-2.617	18.33	-7.98	848	896	0
4/4/2014 13:00	61458	15	94	3.759	4.714	143.1	4.714	143.1	16.9	5.336	140.5	17.24	15.87	14.39	13.54	-1.481	-2.33	17.92	-8.48	889	895	0
4/4/2014 13:15	61459	15	94	3.802	4.797	136.8	4.797	136.8	25.15	5.341	139.8	23.41	16.63	15.04	13.94	-1.595	-2.692	17.34	-8.27	879	895	0
4/4/2014 13:30	61460	15	94	3.759	4.751	146.2	4.751	146.2	17.53	5.186	147.1	15.09	16.38	14.85	13.93	-1.525	-2.446	17.51	-8.36	713	895	0
4/4/2014 13:45	61461	15	94	3.783	4.753	131.3	4.753	131.3	15.32	5.429	134.6	14.71	16.78	15.08	14.28	-1.705	-2.503	17.02	-8.39	889	894	0
4/4/2014 14:00	61462	15	94	4.302	5.498	147.2	5.498	147.2	14.1	6.184	146.2	12.51	17.25	15.46	14.6	-1.785	-2.649	16.16	-8.68	817	894	0
4/4/2014 14:15	61463	15	94	3.908	5.067	144.3	5.067	144.3	16.63	5.901	147.4	13.89	17.43	15.85	14.92	-1.581	-2.508	15.61	-8.98	700.2	894	0
4/4/2014 14:30	61464	15	94	4.272	5.672	139.8	5.672	139.8	18.88	6.389	136.9	16.32	17.34	15.95	15.01	-1.383	-2.324	15.35	-9.27	526.1	894	0
4/4/2014 14:45	61465	15	94	4.585	6.093	128.8	6.093	128.8	14.35	6.806	130.1	12.54	17.4	16.09	15.26	-1.313	-2.139	15.21	-9.33	486.9	893	0
4/4/2014 15:00	61466	15	94	5.051	6.714	141.7	6.714	141.7	11.85	7.239	142.1	9.92	17.37	16.11	15.38	-1.26	-1.991	15.23	-9.34	506.6	893	0
4/4/2014 15:15	61467	15	94	4.884	6.492	155.6	6.492	155.6	11.86	7.198	156.9	9.99	17.3	16.12	15.32	-1.184	-1.987	15.17	-9.44	443.7	893	0
4/4/2014 15:30	61468	15	94	4.591	6.173	145.5	6.173	145.5	16.62	7.041	145.6	13.02	17.74	16.44	15.54	-1.304	-2.197	15.21	-9.06	520.4	893	0
4/4/2014 15:45	61469	15	94	4.624	6.057	153.3	6.057	153.3	17.38	6.847	153.9	15.31	17.82	16.67	15.87	-1.144	-1.946	14.71	-9.43	459.5	893	0
4/4/2014 16:00	61470	15	94	4.599	6.114	157.2	6.114	157.2	10.63	6.802	158.1	8.5	17.49	16.55	15.81	-0.938	-1.679	14.66	-9.73	336.4	893	0
4/4/2014 16:15	61471	15	94	4.453	5.778	151.9	5.778	151.9	13.85	6.63	149.4	10.29	17.59	16.73	16.05	-0.857	-1.536	14.66	-9.65	344.3	893	0
4/4/2014 16:30	61472	15	94	4.256	5.705	146.5	5.705	146.5	9.08	6.775	145.9	5.886	17.68	16.94	16.22	-0.741	-1.467	14.44	-9.76	255.9	893	0
4/4/2014 16:45	61473	15	94	4.167	5.52	153.7	5.52	153.7	8.72	6.486	154	6.863	17.43	16.85	16.18	-0.576	-1.244	14.35	-10.04	199.4	892	0
4/4/2014 17:00	61474	15	94	4.449	5.978	151.3	5.978	151.3	12.09	6.798	150.6	9.55	17.3	16.83	16.24	-0.469	-1.055	14.28	-10.21	170.3	892	0
4/4/2014 17:15	61475	15	94	4.097	5.639	154.5	5.639	154.5	9.92	6.641	153.3	8.79	17.23	16.81	16.25	-0.421	-0.978	14.17	-10.37	149.1	892	0
4/4/2014 17:30	61476	15	94	4.345	5.864	158	5.864	158	9.45	6.981	157.3	8.83	16.92	16.66	16.17	-0.262	-0.748	13.91	-10.84	103.4	892	0
4/4/2014 17:45	61477	15	94	4.324	6.099	153.8	6.099	153.8	9.82	7.421	153.5	8.8	16.62	16.49	16.07	-0.127	-0.544	14.15	-10.87	62.96	892	0
4/4/2014 18:00	61478	15	94	4.271	6.014	148.5	6.014	148.5	8.87	7.511	147	6.764	16.3	16.26	15.9	-0.041	-0.398	14.41	-10.9	40.78	892	0
4/4/2014 18:15	61479	15	94	3.489	5.181	145.3	5.181	145.3	8.61	7.08	146.5	7.043	15.8	15.91	15.7	0.114	-0.095	14.91	-10.87	9.57	892	0
4/4/2014 18:30	61480	15	94	3.2	4.654	146	4.654	146	8.5	6.644	146	5.836	15.45	15.62	15.52	0.168	0.063	15.64	-10.54	1.763	892	0
4/4/2014 18:45	61481	15	94	2.977	4.434	139	4.434	139	6.594	6.833	139.4	3.958	15.02	15.31	15.37	0.293	0.351	16.3	-10.37	0.786	892	0
4/4/2014 19:00	61482	15	94	2.437	3.917	134.2	3.917	134.2	6.591	6.632	135.6	3.366	14.5	14.94	15.24	0.445	0.745	17.07	-10.22	0.679	892	0
4/4/2014 19:15	61483	15	94	1.846	3.34	125.9	3.34	125.9	5.616	6.23	129.3	3.078	13.82	14.52	15.07	0.7	1.253	18	-10.1	0.649	892	0
4/4/2014 19:30	61484	15	94	1.714	3.202	123.5	3.202	123.5	5.039	6.47	126.6	1.893	13.43	14.12	14.93	0.685	1.495	18.62	-9.99	0.738	893	0
4/4/2014 19:45	61485	15	94	1.4	2.563	108.3	2.563	108.3	10.78	5.988	122.5	3.28	12.7	13.46	14.54	0.759	1.839	19.49	-10.02	0.767	893	0
4/4/2014 20:00	61486	15	94	1.367	2.823	103.2	2.823	103.2	9.34	5.211	120.9	4.79	12	12.94	14.07	0.931	2.067	20.97	-9.67	0.609	893	0
4/4/2014 20:15	61487	15	94	1.331	2.898	121.5	2.898	121.5	3.439	6.034	128.1	2.154	12.18	13.14	14.32	0.961	2.141	20.6	-9.75	0.698	893	0
4/4/2014 20:30	61488	15	94	1.483	3.029	119.5	3.029	119.5	5.924	6.8	125	3.077	12.31	13.08	14.5	0.761	2.181	20.33	-9.8	0.73	893	0
4/4/2014 20:45	61489	15	94	1.934	3.405	112.1	3.405	112.1	6.526	7.024	118.2	3.287	12.94	13.42	14.51	0.484	1.574	19.02	-10.14	0.947	893	0
4/4/2014 21:00	61490	15	94	1.94	3.306	103.1	3.306	103.1	5.305	6.337	111.9	2.357	12.9	13.36	14.07	0.459	1.164	18.7	-10.38	0.859	893	0
4/4/2014 21:15	61491	15	94	2.32	3.831	109.7	3.831	109.7	6.342	7.369	117.1	2.235	12.94	13.3	14.15	0.361	1.213	18.43	-10.53	0.933	893	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/4/2014 21:30	61492	15	94	2.652	4.214	115	4.214	115	7.502	7.542	120.7	3.768	13.22	13.55	14.13	0.335	0.912	17.91	-10.66	0.989	893	0
4/4/2014 21:45	61493	15	94	2.957	4.576	117.2	4.576	117.2	7.1	7.64	121	4.439	13.43	13.72	14.01	0.293	0.58	17.41	-10.85	0.974	892	0
4/4/2014 22:00	61494	15	94	3.551	5.29	114.8	5.29	114.8	7.447	8.05	117.3	4.588	13.66	13.91	14.03	0.246	0.367	17.09	-10.89	1.006	892	0
4/4/2014 22:15	61495	15	94	3.841	5.702	116.2	5.702	116.2	7.246	8.25	118.7	4.741	13.69	13.95	13.98	0.258	0.289	16.87	-11.02	1.066	892	0
4/4/2014 22:30	61496	15	94	3.773	5.766	118.8	5.766	118.8	6.935	8.32	119.6	4.015	13.45	13.73	13.76	0.284	0.315	17.16	-11.01	0.884	892	0
4/4/2014 22:45	61497	15	94	3.81	5.527	118.3	5.527	118.3	7	8.06	120.2	4.548	13.34	13.55	13.55	0.207	0.205	17.53	-10.83	1.016	892	0
4/4/2014 23:00	61498	15	94	3.843	5.565	118.2	5.565	118.2	7.54	7.898	121.5	5.252	13.34	13.55	13.49	0.202	0.151	17.89	-10.57	0.941	892	0
4/4/2014 23:15	61499	15	94	4.161	6.145	118.5	6.145	118.5	7.394	8.64	119.9	4.688	13.39	13.58	13.52	0.194	0.132	18.21	-10.31	0.988	892	0
4/4/2014 23:30	61500	15	94	4.056	5.821	119.2	5.821	119.2	7.097	8.32	120.3	4.471	13.24	13.45	13.42	0.208	0.179	18.73	-10.08	0.866	892	0
4/4/2014 23:45	61501	15	94	3.973	5.853	117.7	5.853	117.7	6.992	8.37	119	4.185	13.12	13.32	13.32	0.206	0.2	19.22	-9.85	1.075	892	0
4/5/2014 0:00	61502	15	95	4.292	6.2	119.3	6.2	119.3	6.809	8.74	120.1	4.54	13.14	13.32	13.27	0.174	0.131	19.54	-9.62	0.955	891	0
4/5/2014 0:15	61503	15	95	4.287	6.289	117.1	6.289	117.1	7.37	8.58	119	4.164	13.08	13.25	13.18	0.173	0.095	19.8	-9.51	1.014	891	0
4/5/2014 0:30	61504	15	95	4.027	5.788	114.1	5.788	114.1	7.537	8.41	115.3	4.542	12.98	13.14	13.06	0.159	0.08	20.04	-9.43	1	891	0
4/5/2014 0:45	61505	15	95	4.05	5.842	114.3	5.842	114.3	7.298	8.34	116	4.494	12.83	12.97	12.88	0.144	0.056	20.47	-9.29	0.972	891	0
4/5/2014 1:00	61506	15	95	4.509	6.664	116.8	6.664	116.8	6.814	9.39	117.7	4.513	12.8	12.93	12.84	0.131	0.035	20.65	-9.2	0.975	891	0
4/5/2014 1:15	61507	15	95	4.626	6.805	116.7	6.805	116.7	7.378	9.42	118.1	4.719	12.77	12.88	12.75	0.114	-0.016	20.99	-9.02	0.923	890	0
4/5/2014 1:30	61508	15	95	4.409	6.384	111.5	6.384	111.5	7.64	8.74	114.2	4.424	12.68	12.78	12.6	0.093	-0.079	21.33	-8.89	0.955	890	0
4/5/2014 1:45	61509	15	95	4.266	6.197	108.1	6.197	108.1	7.193	8.73	110.8	4.571	12.5	12.6	12.45	0.092	-0.057	21.76	-8.78	0.947	890	0
4/5/2014 2:00	61510	15	95	4.26	6.289	104	6.289	104	7.783	8.73	108.3	4.971	12.25	12.43	12.33	0.174	0.078	22.21	-8.73	0.998	890	0
4/5/2014 2:15	61511	15	95	4.745	6.805	107.1	6.805	107.1	8.69	9.58	110.3	4.959	12.03	12.23	12.25	0.2	0.223	22.89	-8.54	1.053	890	0
4/5/2014 2:30	61512	15	95	4.935	7.119	115.9	7.119	115.9	7.263	9.77	116.8	4.059	11.79	11.99	11.99	0.205	0.204	23.73	-8.27	1.026	889	0
4/5/2014 2:45	61513	15	95	5.023	7.337	118.5	7.337	118.5	7.058	10.26	119.4	4.249	11.57	11.76	11.79	0.187	0.216	24.78	-7.905	1.027	889	0
4/5/2014 3:00	61514	15	95	4.633	6.803	121.2	6.803	121.2	6.988	9.73	121.5	4.125	11.4	11.59	11.62	0.198	0.227	26.04	-7.411	0.971	889	0
4/5/2014 3:15	61515	15	95	4.338	6.444	117.5	6.444	117.5	7.03	9.34	119.1	4.427	11.16	11.4	11.43	0.238	0.276	27.27	-7.017	0.999	889	0
4/5/2014 3:30	61516	15	95	4.059	6.11	121.4	6.11	121.4	8.57	8.97	122.3	5.395	11.05	11.3	11.32	0.251	0.271	28.22	-6.665	0.974	889	0
4/5/2014 3:45	61517	15	95	4.58	6.71	116.5	6.71	116.5	7.861	9.87	119.1	5.308	11.05	11.29	11.36	0.244	0.31	29.08	-6.273	1.153	889	0
4/5/2014 4:00	61518	15	95	4.619	6.635	119.8	6.635	119.8	7.791	9.34	120.6	4.88	11.05	11.27	11.23	0.223	0.176	30.07	-5.835	1.125	889	0
4/5/2014 4:15	61519	15	95	4.229	6.381	119.8	6.381	119.8	7.328	8.98	120.5	4.537	10.73	10.99	10.99	0.263	0.263	31.12	-5.664	0.944	889	0
4/5/2014 4:30	61520	15	95	4.28	6.328	119.5	6.328	119.5	7.056	9.17	120.1	4.251	10.48	10.73	10.77	0.253	0.286	32.24	-5.415	0.999	889	0
4/5/2014 4:45	61521	15	95	4.435	6.472	117.8	6.472	117.8	7.445	9.15	118.4	4.599	10.32	10.57	10.58	0.249	0.26	32.87	-5.306	0.964	889	0
4/5/2014 5:00	61522	15	95	4.511	6.708	119	6.708	119	7.566	9.52	118.8	4.753	10.15	10.4	10.4	0.248	0.251	33.44	-5.226	1.023	889	0
4/5/2014 5:15	61523	15	95	4.961	7.253	119.2	7.253	119.2	6.8	10.27	119.5	4.547	10.14	10.36	10.37	0.216	0.226	34.01	-5.012	1.004	888	0
4/5/2014 5:30	61524	15	95	4.874	7.137	121.5	7.137	121.5	7.379	9.92	121.3	4.592	10.05	10.27	10.26	0.217	0.21	34.79	-4.794	1.143	889	0
4/5/2014 5:45	61525	15	95	4.983	7.356	121.1	7.356	121.1	7.21	10.11	121.8	4.329	9.92	10.12	10.12	0.201	0.206	35.75	-4.549	2.654	888	0
4/5/2014 6:00	61526	15	95	4.371	6.463	122.9	6.463	122.9	7.741	9.36	123	4.509	9.81	10.03	10.03	0.22	0.213	36.64	-4.315	10.9	889	0
4/5/2014 6:15	61527	15	95	3.776	5.391	130.5	5.391	130.5	8.86	8.01	128.5	5.518	9.88	10.05	9.98	0.161	0.092	37.37	-3.989	38.42	889	0
4/5/2014 6:30	61528	15	95	3.471	5.014	139.4	5.014	139.4	9.86	7.272	133.9	6.941	10.34	10.32	10.1	-0.023	-0.248	37.62	-3.489	116.2	889	0
4/5/2014 6:45	61529	15	95	3.197	4.337	144.7	4.337	144.7	13.49	5.711	140.8	10.19	11.07	10.86	10.45	-0.212	-0.627	37.09	-3.03	179.2	890	0
4/5/2014 7:00	61530	15	95	3.508	4.83	140.7	4.83	140.7	13.17	5.334	139.7	9.15	11.58	11.18	10.67	-0.401	-0.91	36.24	-2.893	236.1	890	0
4/5/2014 7:15	61531	15	95	4.513	6.248	137.4	6.248	137.4	9.1	7.424	136.3	7.155	12.14	11.6	11	-0.54	-1.145	34.89	-2.901	303.3	890	0
4/5/2014 7:30	61532	15	95	6.145	8.41	137.7	8.41	137.7	7.883	9.63	137.6	6.172	12.51	11.91	11.25	-0.605	-1.261	33.63	-3.066	364.6	889	0
4/5/2014 7:45	61533	15	95	6.622	9.47	135.4	9.47	135.4	8.54	11.28	134.9	5.953	12.98	12.27	11.51	-0.705	-1.464	31.96	-3.345	424.5	889	0
4/5/2014 8:00	61534	15	95	7.173	10.1	139.4	10.1	139.4	9.88	12.08	138.9	7.001	13.57	12.78	11.94	-0.798	-1.632	29.72	-3.793	482.8	889	0
4/5/2014 8:15	61535	15	95	7.408	10.23	134.4	10.23	134.4	8.37	12.33	134.6	4.993	13.99	13.13	12.18	-0.86	-1.803	27.83	-4.313	540.5	889	0
4/5/2014 8:30	61536	15	95	7.186	9.83	136.9	9.83	136.9	8.96	11.84	136.6	5.406	14.5	13.53	12.48	-0.971	-2.015	26.36	-4.59	594.4	889	0
4/5/2014 8:45	61537	15	95	6.962	9.79	135.8	9.79	135.8	8.86	11.38	137.5	6.351	14.92	13.8	12.82	-1.124	-2.1	25.44	-4.699	644.6	889	0
4/5/2014 9:00	61538	15	95	6.995	9.67	142.3	9.67	142.3	10.25	11.17	140.7	7.541	15.59	14.39	13.42	-1.204	-2.169	24.06	-4.87	689.6	889	0
4/5/2014 9:15	61539	15	95	7.328	9.92	149.4	9.92	149.4	11.57	11.43	147.7	7.71	15.76	14.5	13.46	-1.259	-2.308	24.35	-4.566	734.8	889	0
4/5/2014 9:30	61540	15	95	7.015	9.71	139.3	9.71	139.3	10.52	11.05	140	7.476	16.2	14.79	13.7	-1.408	-2.502	24.36	-4.187	778.1	889	0
4/5/2014 9:45	61541	15	95	6.905	9.52	146.2	9.52	146.2	9.94	11.07	144.9	7.567	16.35	14.89	13.72	-1.462	-2.627	24.41	-4.031	816	889	0
4/5/2014 10:00	61542	15	95	7.374	10.02	141.2	10.02	141.2	11.9	11.14	140.6	8.86	16.53	14.95	13.84	-1.584	-2.697	24.54	-3.807	851	889	0
4/5/2014 10:15	61543	15	95	6.758	9.23	135.4	9.23	135.4	10.88	10.46	135.5	9.11	17.13	15.54	14.38	-1.593	-2.752	24.17	-3.502	883	889	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/5/2014 10:30	61544	15	95	6.349	8.57	141.2	8.57	141.2	11.29	9.81	142.6	8.94	17.7	16	14.83	-1.702	-2.865	24.11	-3.054	910	889	0
4/5/2014 10:45	61545	15	95	6.352	8.38	146.3	8.38	146.3	11.66	9.53	146.6	10.29	18.1	16.38	15.15	-1.724	-2.95	24.07	-2.738	934	888	0
4/5/2014 11:00	61546	15	95	6.493	8.69	144.4	8.69	144.4	13.02	9.55	145.5	8.94	18.15	16.32	15.26	-1.836	-2.893	24.49	-2.458	956	888	0
4/5/2014 11:15	61547	15	95	6.139	8.08	156	8.08	156	11.78	8.79	153.6	9.69	18.64	16.84	15.8	-1.801	-2.847	23.93	-2.356	911	888	0
4/5/2014 11:30	61548	15	95	5.833	7.827	143.4	7.827	143.4	10.16	8.82	143.9	7.298	19.31	17.33	16.23	-1.982	-3.084	23.71	-1.916	998	888	0
4/5/2014 11:45	61549	15	95	5.674	7.469	156.6	7.469	156.6	15.53	8.34	153.6	14.7	20.17	18.21	17.08	-1.964	-3.088	22.64	-1.818	998	887	0
4/5/2014 12:00	61550	15	95	5.433	7.072	156.3	7.072	156.3	13.14	7.846	154.9	11.3	20.38	18.41	17.4	-1.967	-2.978	22.36	-1.813	1004	887	0
4/5/2014 12:15	61551	15	95	4.866	6.251	161.4	6.251	161.4	17.3	6.896	163.7	18.42	21	19.05	18.05	-1.948	-2.949	21.25	-1.99	1007	887	0
4/5/2014 12:30	61552	15	95	4.637	5.93	166.9	5.93	166.9	18.99	6.628	170.2	18.94	20.93	19	18.07	-1.925	-2.858	21.08	-2.157	1002	886	0
4/5/2014 12:45	61553	15	95	5.235	6.657	163.6	6.657	163.6	15.19	7.291	161.9	14.22	21.34	19.47	18.38	-1.867	-2.964	20.52	-2.174	997	886	0
4/5/2014 13:00	61554	15	95	4.061	5.006	153	5.006	153	18.17	5.812	153.3	16.22	21.72	19.93	18.79	-1.796	-2.926	20.17	-2.097	985	886	0
4/5/2014 13:15	61555	15	95	4.79	6.309	159.3	6.309	159.3	19.43	7.074	158.5	16.37	22.34	20.39	19.3	-1.953	-3.041	19.29	-2.188	983	885	0
4/5/2014 13:30	61556	15	95	4.885	6.132	190.6	6.132	190.6	14.28	6.643	190	13.33	22.52	20.64	19.54	-1.872	-2.975	18.37	-2.705	1001	885	0
4/5/2014 13:45	61557	15	95	3.619	4.539	164.5	4.539	164.5	20.98	4.998	164.1	19.97	22.2	20.61	19.66	-1.589	-2.536	19.06	-2.472	979	885	0
4/5/2014 14:00	61558	15	95	4.459	5.742	140.6	5.742	140.6	14.79	6.604	144.4	12.57	22.39	20.65	19.68	-1.743	-2.707	18.8	-2.492	767.8	885	0
4/5/2014 14:15	61559	15	95	4.445	5.718	160.3	5.718	160.3	16.59	6.371	158.7	14.87	22.73	20.97	19.97	-1.765	-2.763	18.23	-2.626	792.5	885	0
4/5/2014 14:30	61560	15	95	4.531	5.627	161.9	5.627	161.9	23.52	6.289	161.6	20.02	22.61	20.97	20	-1.642	-2.615	18.3	-2.677	759.5	884	0
4/5/2014 14:45	61561	15	95	4.499	5.744	167.2	5.744	167.2	14.28	6.108	171.4	13.72	22.83	21.28	20.48	-1.547	-2.348	17.7	-2.948	632.4	884	0
4/5/2014 15:00	61562	15	95	3.797	4.74	177.5	4.74	177.5	21.41	5.105	179.8	19	22.32	21.3	20.48	-1.027	-1.846	18.01	-3.134	429.3	884	0
4/5/2014 15:15	61563	15	95	2.675	3.306	210.7	3.306	210.7	16.92	3.713	211.4	13.86	21.73	20.93	20.32	-0.794	-1.404	18.21	-3.466	281.3	884	0
4/5/2014 15:30	61564	15	95	2.239	2.698	208.9	2.698	208.9	24.16	3.237	200.6	17.52	21.8	21.19	20.65	-0.608	-1.149	18.31	-3.328	215.3	884	0
4/5/2014 15:45	61565	15	95	2.679	3.449	210.1	3.449	210.1	20.35	4.166	209.1	13.58	22.25	21.54	20.86	-0.705	-1.391	17.96	-3.224	274.8	884	0
4/5/2014 16:00	61566	15	95	4.937	6.593	185.5	6.593	185.5	32.39	7.82	184	25.98	22.19	21.3	20.47	-0.895	-1.728	19.21	-2.371	365.7	884	0
4/5/2014 16:15	61567	15	95	4.893	6.463	168.8	6.463	168.8	12.83	7.33	168.9	9.63	21.81	20.98	20.2	-0.828	-1.609	20.07	-2.085	283.9	884	0
4/5/2014 16:30	61568	15	95	3.271	4.239	167.7	4.239	167.7	12.89	4.525	168.1	11.33	21.79	21.13	20.49	-0.662	-1.301	19.57	-2.446	237.6	884	0
4/5/2014 16:45	61569	15	95	2.961	3.824	155.6	3.824	155.6	14.05	4.535	152.9	11.2	21.47	20.94	20.34	-0.529	-1.136	19.56	-2.716	157.9	884	0
4/5/2014 17:00	61570	15	95	2.98	4.073	141.8	4.073	141.8	8.88	4.659	142.4	7.52	21.4	20.99	20.44	-0.419	-0.967	19.72	-2.662	120.4	884	0
4/5/2014 17:15	61571	15	95	2.953	4.029	137	4.029	137	8.38	4.63	137.5	5.985	21.36	21.05	20.53	-0.309	-0.829	19.68	-2.722	91.6	884	0
4/5/2014 17:30	61572	15	95	2.873	4.065	132.8	4.065	132.8	8.3	4.661	133.7	6.254	21.24	21.07	20.62	-0.171	-0.62	19.72	-2.794	53.23	884	0
4/5/2014 17:45	61573	15	95	2.284	3.297	125.7	3.297	125.7	7.995	4.108	127.2	5.716	21.2	21.13	20.75	-0.072	-0.45	19.5	-2.984	45.8	884	0
4/5/2014 18:00	61574	15	95	1.324	2.273	134.7	2.273	134.7	14.56	3.06	138.3	13.72	21.04	21.12	20.85	0.083	-0.193	19.17	-3.344	35.56	884	0
4/5/2014 18:15	61575	15	95	2.355	3.529	133.4	3.529	133.4	10.88	4.84	133.1	8.46	20.41	20.53	20.24	0.117	-0.173	21.14	-2.562	12.29	884	0
4/5/2014 18:30	61576	15	95	2.893	4.264	149.3	4.264	149.3	8.93	5.288	147.5	7.119	19.77	20.01	19.79	0.239	0.022	23.12	-1.873	2.552	884	0
4/5/2014 18:45	61577	15	95	1.892	3.26	140.8	3.26	140.8	9.44	4.32	137.9	5.976	18.95	19.56	19.57	0.609	0.624	24.45	-1.806	0.558	885	0
4/5/2014 19:00	61578	15	95	1.363	2.516	147.6	2.516	147.6	11.55	4.9	141.4	5.084	18.41	18.84	19.07	0.429	0.665	25.66	-1.611	0.553	885	0
4/5/2014 19:15	61579	15	95	0.918	1.97	169.4	1.97	169.4	12.47	4.065	157.1	7.336	17.64	18.34	18.82	0.696	1.182	27.3	-1.423	0.557	885	0
4/5/2014 19:30	61580	15	95	1.881	3.098	173.2	3.098	173.2	7.911	3.496	167.3	8.95	16.97	18.47	18.63	1.492	1.652	28.82	-1.261	0.526	885	0
4/5/2014 19:45	61581	15	95	2.484	3.68	146	3.68	146	12.4	4.751	139.2	13.52	17.83	18.3	18.28	0.465	0.441	27.55	-1.131	0.859	886	0
4/5/2014 20:00	61582	15	95	3.125	4.609	148	4.609	148	8.82	5.921	144.4	7.197	17.88	18.06	17.91	0.185	0.036	28.19	-0.779	0.879	886	0
4/5/2014 20:15	61583	15	95	3.242	4.707	148.8	4.707	148.8	11.64	6.766	147.6	7.618	17.74	17.84	17.67	0.099	-0.072	29.29	-0.371	0.817	886	0
4/5/2014 20:30	61584	15	95	3.805	5.51	138.8	5.51	138.8	6.862	6.644	139.8	5.874	17.53	17.68	17.44	0.142	-0.093	29.88	-0.28	0.82	886	0
4/5/2014 20:45	61585	15	95	4.076	5.781	146.5	5.781	146.5	10.49	6.893	148.4	9.06	17.19	17.33	17.1	0.138	-0.09	31.11	-0.023	0.816	887	0
4/5/2014 21:00	61586	15	95	2.813	4.104	155.8	4.104	155.8	10.55	5.167	153.9	8.27	16.73	16.95	16.72	0.217	-0.011	32.66	0.24	0.638	887	0
4/5/2014 21:15	61587	15	95	3.391	4.999	167.4	4.999	167.4	11.16	6.708	161.3	10.33	16.42	16.57	16.42	0.151	-0.005	34.08	0.561	0.859	887	0
4/5/2014 21:30	61588	15	95	3.444	5.098	153	5.098	153	8.51	6.731	152.6	6.735	16.21	16.34	16.14	0.135	-0.064	34.95	0.719	0.815	887	0
4/5/2014 21:45	61589	15	95	3.923	5.567	162.5	5.567	162.5	9.19	7.047	159.5	6.46	15.96	16.05	15.82	0.1	-0.133	36.13	0.958	0.951	887	0
4/5/2014 22:00	61590	15	95	3.925	5.5	167.5	5.5	167.5	7.099	6.812	164.3	5.107	15.73	15.8	15.54	0.072	-0.182	37.04	1.102	0.834	887	0
4/5/2014 22:15	61591	15	95	3.927	5.688	161.9	5.688	161.9	7.655	7.183	162.9	6.069	15.44	15.5	15.24	0.061	-0.202	37.93	1.177	0.841	887	0
4/5/2014 22:30	61592	15	95	4.365	6.021	165.7	6.021	165.7	7.361	7.785	165.5	4.932	15.21	15.24	14.97	0.026	-0.244	38.71	1.252	0.774	887	0
4/5/2014 22:45	61593	15	95	4.033	5.666	162.5	5.666	162.5	7.288	6.875	161.8	5.237	14.94	14.99	14.72	0.056	-0.213	39.49	1.286	0.866	887	0
4/5/2014 23:00	61594	15	95	3.662	5.303	157.1	5.303	157.1	7.3	6.61	158.3	5.367	14.65	14.71	14.46	0.067	-0.186	40.32	1.314	0.752	887	0
4/5/2014 23:15	61595	15	95	3.087	4.368	155.4	4.368	155.4	9.15	5.89	157.1	6.632	14.33	14.39	14.14	0.061	-0.183	41.23	1.338	0.729	887	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/5/2014 23:30	61596	15	95	2.917	4.123	154.9	4.123	154.9	9.81	5.426	154.8	7.133	14.1	14.17	13.92	0.072	-0.185	41.96	1.376	0.694	887	0
4/5/2014 23:45	61597	15	95	2.175	3.2	166.7	3.2	166.7	11.69	4.706	165.6	8.6	13.74	13.88	13.69	0.135	-0.052	43.07	1.419	0.644	888	0
4/6/2014 0:00	61598	15	96	0.846	1.072	224.6	1.072	224.6	46.15	1.796	190.5	22.91	13.57	13.64	13.41	0.064	-0.161	43.61	1.436	0.404	888	0
4/6/2014 0:15	61599	15	96	1.073	1.452	114.6	1.452	114.6	36.46	1.985	134.5	27.86	13.06	13.59	13.38	0.529	0.322	44.98	1.398	0.421	888	0
4/6/2014 0:30	61600	15	96	1.269	2.243	134.1	2.243	134.1	31.99	2.974	142.1	21.03	12.57	13.5	13.41	0.924	0.836	46.71	1.483	0.463	888	0
4/6/2014 0:45	61601	15	96	0.998	1.667	202.7	1.667	202.7	15.86	2.711	184.9	8.31	12.82	13.26	13.28	0.441	0.467	46.44	1.627	0.528	888	0
4/6/2014 1:00	61602	15	96	0.705	1.004	191.7	1.004	191.7	14.33	2.01	189.1	8.19	12.42	13.16	13.19	0.742	0.766	47.19	1.488	0.436	888	0
4/6/2014 1:15	61603	15	96	0.832	0.793	142.7	0.793	142.7	37.79	1.541	182.1	28.01	11.54	12.98	13.1	1.437	1.558	49.34	1.295	0.313	888	0
4/6/2014 1:30	61604	15	96	0.765	0.871	107.5	0.871	107.5	30.88	1.258	143.5	24.42	10.97	13.11	13.09	2.145	2.118	50.45	1.082	0.344	887	0
4/6/2014 1:45	61605	15	96	0.833	1.12	200.2	1.12	200.2	43.53	1.683	197.2	28.88	10.54	13.11	13.04	2.566	2.495	52.08	1.129	0.314	887	0
4/6/2014 2:00	61606	15	96	0.806	1.493	222.7	1.493	222.7	44.63	2.281	210.1	28.93	10.32	12.74	12.96	2.418	2.643	52.59	1.058	0.433	887	0
4/6/2014 2:15	61607	15	96	0.487	1.444	232.8	1.444	232.8	21.77	2.298	223.5	12.93	10.48	12.73	12.87	2.252	2.393	52.58	1.205	0.451	887	0
4/6/2014 2:30	61608	15	96	0.833	0.939	282	0.939	282	23.77	1.694	251.6	13.26	9.56	12.35	12.78	2.793	3.22	53.69	0.639	0.416	887	0
4/6/2014 2:45	61609	15	96	1.075	0.875	165.8	0.875	165.8	52.81	1.279	225.9	21.46	9.32	12.45	12.8	3.13	3.483	55.59	0.896	0.41	887	0
4/6/2014 3:00	61610	15	96	0.615	0.795	235.2	0.795	235.2	23.56	2.887	251.2	5.587	8.99	12.02	12.78	3.027	3.795	55.97	0.681	0.517	887	0
4/6/2014 3:15	61611	15	96	0.504	1.472	240.3	1.472	240.3	20.94	3.355	251.5	9.87	8.74	12.02	12.59	3.28	3.854	56.37	0.545	0.431	887	0
4/6/2014 3:30	61612	15	96	0.677	1.269	253.6	1.269	253.6	33.16	2.792	259.4	9.83	9.07	11.76	12.36	2.691	3.289	55.94	0.746	0.537	887	0
4/6/2014 3:45	61613	15	96	0.778	0.476	182.7	0.476	182.7	69.66	2.133	260.7	7.525	8.22	11.41	12.4	3.191	4.187	58.39	0.539	0.32	887	0
4/6/2014 4:00	61614	15	96	0.732	1.093	270.5	1.093	270.5	23.02	2.884	264.3	7.861	7.357	11.41	12.54	4.052	5.178	59.76	0.046	0.443	887	0
4/6/2014 4:15	61615	15	96	1.142	1.357	221.9	1.357	221.9	51.84	3.256	268.1	8.13	6.13	10.89	12.09	4.759	5.959	63.83	-0.204	0.423	887	0
4/6/2014 4:30	61616	15	96	1.255	2.391	259.6	2.391	259.6	19.06	3.522	269.3	15.91	7.476	10.52	10.85	3.049	3.375	59.98	0.211	0.591	887	0
4/6/2014 4:45	61617	15	96	1.114	2.118	306.2	2.118	306.2	17.14	4.324	327.1	15.7	8.91	9.63	10.83	0.725	1.921	52.02	-0.415	0.946	887	0
4/6/2014 5:00	61618	15	96	0.606	1.017	20.21	1.017	20.21	36.16	4.14	342.1	11.47	7.701	8.26	10.32	0.562	2.623	53.74	-1.086	0.55	887	0
4/6/2014 5:15	61619	15	96	1.545	2.957	20.9	2.957	20.9	14.33	4.521	4.056	12.7	6.604	8.27	9.87	1.664	3.266	58.57	-0.939	0.567	887	0
4/6/2014 5:30	61620	15	96	2.034	3.497	66.72	3.497	66.72	10.44	4.756	51.87	9.38	7.367	8.27	9.4	0.898	2.029	60.5	0.232	1.06	887	0
4/6/2014 5:45	61621	15	96	0.797	1.622	30.83	1.622	30.83	20.26	3.984	21.28	5.77	6.353	7.876	9.76	1.523	3.411	63.44	-0.075	3.315	887	0
4/6/2014 6:00	61622	15	96	0.656	1.159	16.32	1.159	16.32	16.28	2.096	20.28	11.04	6.098	8.61	10.04	2.511	3.944	64.55	-0.079	18.05	887	0
4/6/2014 6:15	61623	15	96	0.683	1.228	322.3	1.228	322.3	10.5	0.758	331.5	51.96	5.967	8.91	10.04	2.942	4.068	64.3	-0.257	46.14	887	0
4/6/2014 6:30	61624	15	96	0.762	0.621	3.543	0.621	3.543	51.92	0.682	105.3	94.9	7.415	8.79	9.83	1.378	2.418	61.59	0.508	83.4	887	0
4/6/2014 6:45	61625	15	96	0.828	1.171	358.9	1.171	358.9	38.32	0.896	354.3	51.51	8.86	8.89	9.48	0.032	0.62	55.76	0.503	101	888	0
4/6/2014 7:00	61626	15	96	1.438	1.924	22.81	1.924	22.81	15.41	1.736	38.2	16.19	9.66	9.31	9.22	-0.345	-0.443	53.35	0.64	176.4	888	0
4/6/2014 7:15	61627	15	96	0.817	0.981	45.42	0.981	45.42	29.63	1.099	67.09	30.62	10.06	9.76	9.32	-0.307	-0.745	52.87	0.891	193.4	888	0
4/6/2014 7:30	61628	15	96	1.167	1.443	72.89	1.443	72.89	24.34	1.406	80.8	23.45	10.65	10.23	9.74	-0.417	-0.905	52.32	1.288	341.4	887	0
4/6/2014 7:45	61629	15	96	0.839	0.984	72.82	0.984	72.82	31.48	0.985	82.1	23.74	11.55	11.13	10.65	-0.423	-0.902	50	1.492	408.6	887	0
4/6/2014 8:00	61630	15	96	0.996	1.098	123.7	1.098	123.7	91.9	1.199	65.17	47.23	12.48	12.13	11.58	-0.351	-0.904	46.65	1.376	472.1	888	0
4/6/2014 8:15	61631	15	96	2.234	2.907	355.1	2.907	355.1	22.05	3.267	1.196	19.48	13.84	13.09	12.35	-0.753	-1.488	40.41	0.608	564.5	888	0
4/6/2014 8:30	61632	15	96	2.729	3.517	340.5	3.517	340.5	15.42	3.934	345.9	13.04	14.51	13.62	12.88	-0.896	-1.634	37.07	0.026	626.9	888	0
4/6/2014 8:45	61633	15	96	3.516	4.584	330.6	4.584	330.6	13.45	5.07	335.9	12.89	15.17	14.08	13.36	-1.092	-1.804	34.26	-0.474	690.1	888	0
4/6/2014 9:00	61634	15	96	3.457	4.402	341.1	4.402	341.1	18.62	5.051	340.6	13.34	15.68	14.58	13.57	-1.1	-2.104	32.72	-0.659	641.7	888	0
4/6/2014 9:15	61635	15	96	3.608	4.792	344.2	4.792	344.2	19.04	5.125	343.2	15.51	16.03	14.79	14.01	-1.242	-2.025	30.68	-1.227	725.6	887	0
4/6/2014 9:30	61636	15	96	3.695	4.626	330.5	4.626	330.5	16.46	5.287	332.1	13.04	16.39	15.17	14.18	-1.215	-2.213	29.66	-1.377	789.3	887	0
4/6/2014 9:45	61637	15	96	3.795	4.631	332.6	4.631	332.6	18.68	5.245	337.5	16.72	16.64	15.51	14.61	-1.125	-2.03	29.11	-1.422	829	887	0
4/6/2014 10:00	61638	15	96	4.172	5.141	319.5	5.141	319.5	18.76	5.297	319	11.82	17.28	15.9	15.03	-1.382	-2.243	25.18	-2.862	865	887	0
4/6/2014 10:15	61639	15	96	3.665	4.217	314	4.217	314	15.24	4.547	315.3	13.05	17.81	16.63	15.8	-1.183	-2.013	22.72	-3.759	895	887	0
4/6/2014 10:30	61640	15	96	3.702	4.374	306.7	4.374	306.7	24.87	4.726	311	16.19	18.35	16.97	16.17	-1.38	-2.178	20.28	-4.822	925	887	0
4/6/2014 10:45	61641	15	96	3.06	3.606	324.6	3.606	324.6	26.67	3.952	323	19.95	18.64	17.31	16.53	-1.332	-2.107	19.29	-5.236	950	887	0
4/6/2014 11:00	61642	15	96	3.304	3.708	320.7	3.708	320.7	21.94	4.066	319.7	19.06	18.87	17.69	16.96	-1.179	-1.91	19.31	-5.029	971	887	0
4/6/2014 11:15	61643	15	96	3.519	3.935	309.9	3.935	309.9	19.82	4.026	313	16.43	19.35	18.04	17.11	-1.315	-2.247	18.04	-5.533	989	886	0
4/6/2014 11:30	61644	15	96	3.668	4.136	301.3	4.136	301.3	23.34	4.337	302.1	21.29	19.69	18.46	17.53	-1.228	-2.164	17.29	-5.82	1010	886	0
4/6/2014 11:45	61645	15	96	3.267	3.903	286.6	3.903	286.6	39.3	4.074	293.5	29.88	20.02	18.74	17.75	-1.276	-2.27	16.8	-5.944	1098	886	0
4/6/2014 12:00	61646	15	96	4.4	5.642	260.6	5.642	260.6	29.35	6.203	266.2	27.31	20.72	18.88	17.83	-1.844	-2.891	15.08	-6.77	1089	886	0
4/6/2014 12:15	61647	15	96	2.301	2.526	324.1	2.526	324.1	61.77	2.816	325.2	46.96	19.55	18.57	17.88	-0.979	-1.666	16.23	-6.758	792.4	885	0

WIPP Valid Metdata 3/31/14-4/6/14

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
4/6/2014 12:30	61648	15	96	3.769	4.022	318	4.022	318	26.52	4.003	313.4	16.96	20.37	19.15	18.16	-1.219	-2.212	14.64	-7.449	988	885	0
4/6/2014 12:45	61649	15	96	4.275	5.34	286.9	5.34	286.9	26.37	6.215	287.6	23.04	21.06	19.76	18.71	-1.298	-2.351	13.75	-7.702	1044	885	0
4/6/2014 13:00	61650	15	96	4.751	6.202	272.8	6.202	272.8	16.02	6.901	276.2	12.28	20.79	19.42	18.43	-1.363	-2.355	13.38	-8.27	566.9	885	0
4/6/2014 13:15	61651	15	96	7.779	9.19	311.4	9.19	311.4	11.08	9.8	313.9	9.28	18.56	17.87	17.08	-0.69	-1.484	17.3	-6.763	94.5	885	0
4/6/2014 13:30	61652	15	96	7.263	9.54	306.4	9.54	306.4	21.59	11.69	306	21.52	17.28	16.76	16.1	-0.527	-1.179	19.86	-5.995	86.6	886	0
4/6/2014 13:45	61653	15	96	6.527	9.96	271.6	9.96	271.6	9.28	12.1	273.6	7.198	16.67	16.22	15.64	-0.449	-1.031	22.18	-5.04	106.5	886	0
4/6/2014 14:00	61654	15	96	4.882	6.62	276.2	6.62	276.2	19.95	7.457	276.7	20.72	17.59	16.99	16.42	-0.598	-1.165	19.79	-5.782	231.7	886	0
4/6/2014 14:15	61655	15	96	5.177	6.719	313.3	6.719	313.3	26.39	7.85	312.9	26.32	18.21	17.13	16.18	-1.074	-2.022	21.47	-4.247	618.7	886	0
4/6/2014 14:30	61656	15	96	6.931	10.01	345.8	10.01	345.8	14.02	11.61	345	10.47	17.08	16.03	15.12	-1.049	-1.962	26.04	-2.55	467.5	886	0
4/6/2014 14:45	61657	15	96	4.816	6.672	358	6.672	358	14.01	7.717	359.1	14.5	17	16.09	15.15	-0.911	-1.858	26.12	-2.567	366.5	886	0
4/6/2014 15:00	61658	15	96	3.63	5.025	348.6	5.025	348.6	14.72	5.777	348	11.01	16.92	15.96	15.16	-0.954	-1.75	26.41	-2.494	404.5	886	0
4/6/2014 15:15	61659	15	96	2.763	3.595	340.8	3.595	340.8	20.29	3.99	338.9	16.79	18.14	16.99	16.14	-1.153	-2	22.82	-3.439	749.2	885	0
4/6/2014 15:30	61660	15	96	3.566	4.25	309.5	4.25	309.5	27.41	4.2	309.5	18.25	18.66	17.71	16.98	-0.947	-1.678	19.63	-4.986	656.6	885	0
4/6/2014 15:45	61661	15	96	3.4	4.16	297.6	4.16	297.6	22.32	4.489	299.7	19.85	18.99	18.17	17.37	-0.817	-1.621	19.52	-4.79	494	885	0
4/6/2014 16:00	61662	15	96	3.991	5.834	275.2	5.834	275.2	10.62	6.695	275.5	9.24	19.35	18.31	17.53	-1.037	-1.823	18.51	-5.202	433.2	885	0
4/6/2014 16:15	61663	15	96	4.271	6.23	273.4	6.23	273.4	12.61	7.294	274.8	10.23	19.48	18.51	17.74	-0.973	-1.745	17.28	-5.999	422.8	885	0
4/6/2014 16:30	61664	15	96	4.537	6.703	271.8	6.703	271.8	12.85	7.828	273.9	8.97	19.32	18.54	17.8	-0.78	-1.519	16.75	-6.533	285.8	885	0
4/6/2014 16:45	61665	15	96	4.327	6.267	268.4	6.267	268.4	11.79	7.263	269.8	9.07	19.18	18.48	17.78	-0.697	-1.4	17.18	-6.314	274.5	885	0
4/6/2014 17:00	61666	15	96	3.536	5.547	268.1	5.547	268.1	9.69	6.58	269.9	8.56	18.53	18.28	17.8	-0.248	-0.724	17.4	-6.678	84	885	0
4/6/2014 17:15	61667	15	96	4.003	6.113	266.9	6.113	266.9	9.2	7.115	268.7	6.973	18.85	18.49	17.98	-0.362	-0.871	16.04	-7.478	192	885	0
4/6/2014 17:30	61668	15	96	3.903	5.759	276.7	5.759	276.7	9.51	6.534	280.5	8.87	19.31	18.78	18.22	-0.524	-1.082	15.92	-7.204	236.5	885	0
4/6/2014 17:45	61669	15	96	5.467	6.023	302.3	6.023	302.3	10.09	6.236	304.8	7.678	18.84	18.61	18.11	-0.236	-0.726	15.65	-7.805	110.6	886	0
4/6/2014 18:00	61670	15	96	5.107	5.735	297.4	5.735	297.4	7.74	7.233	297.4	5.26	18.16	18.09	17.72	-0.07	-0.443	16.9	-7.357	51.28	886	0
4/6/2014 18:15	61671	15	96	4.173	5.246	293.5	5.246	293.5	9.09	7.396	293.7	5.944	17.66	17.71	17.47	0.057	-0.19	17.69	-7.179	15.58	886	0
4/6/2014 18:30	61672	15	96	3.057	4.872	283	4.872	283	6.718	7.085	286.5	3.863	17.03	17.25	17.2	0.218	0.167	18.91	-6.826	3.046	886	0
4/6/2014 18:45	61673	15	96	1.678	2.658	289.8	2.658	289.8	7.062	4.024	297.9	6.794	16.02	16.61	16.88	0.591	0.857	20.26	-6.764	0.521	886	0
4/6/2014 19:00	61674	15	96	1.389	2.267	310.6	2.267	310.6	8.33	2.918	308	3.71	14.67	15.71	16.4	1.034	1.727	21.56	-7.09	0.379	886	0
4/6/2014 19:15	61675	15	96	1.265	2.904	336.9	2.904	336.9	6.47	4.851	325.9	4.011	12.84	15.65	16.47	2.813	3.629	24.05	-7.217	0.36	886	0
4/6/2014 19:30	61676	15	96	1.222	3.273	326.5	3.273	326.5	9.13	4.03	318.3	4.18	11.95	15.94	16.81	3.993	4.861	25.75	-7.08	0.453	886	0
4/6/2014 19:45	61677	15	96	1.43	3.218	319.4	3.218	319.4	6.701	3.267	314	6.198	11.5	15.99	16.95	4.489	5.45	26.92	-6.891	0.419	887	0
4/6/2014 20:00	61678	15	96	1.559	3.573	343.1	3.573	343.1	8.7	4.681	325.6	5.326	11.99	15.88	17.13	3.889	5.139	26.83	-6.515	0.604	887	0
4/6/2014 20:15	61679	15	96	1.456	3.509	358.6	3.509	358.6	8.7	5.086	334.5	4.853	10.63	15.34	17.05	4.716	6.421	28.84	-6.754	0.516	887	0
4/6/2014 20:30	61680	15	96	1.146	3.827	4.945	3.827	4.945	8.34	6.048	335.4	3.676	9.56	14.03	17.21	4.475	7.658	31.09	-6.704	0.59	887	0
4/6/2014 20:45	61681	15	96	1.608	4.009	20.68	4.009	20.68	6.994	6.504	353.4	13.97	10.15	12.49	16.07	2.346	5.919	30.45	-6.458	0.781	887	0
4/6/2014 21:00	61682	15	96	1.423	3.512	31.65	3.512	31.65	2.506	7.062	4.596	11.27	9.7	12.32	15.38	2.619	5.687	31.23	-6.522	0.686	888	0
4/6/2014 21:15	61683	15	96	1.616	3.79	35.73	3.79	35.73	3.145	6.574	13.59	5.1	10.19	12.94	15.3	2.753	5.107	31.21	-6.101	0.821	888	0
4/6/2014 21:30	61684	15	96	1.006	2.035	45.47	2.035	45.47	10.32	5.272	21.91	5.004	9.23	12.72	14.37	3.488	5.141	32.62	-6.367	0.677	888	0
4/6/2014 21:45	61685	15	96	1.467	3.544	22.78	3.544	22.78	5.823	6.925	11.76	4.038	8.06	12.47	14.07	4.411	6.013	35.31	-6.366	0.643	888	0
4/6/2014 22:00	61686	15	96	1.475	3.337	32.61	3.337	32.61	7.621	5.856	17.91	2.933	8.15	12.02	14.09	3.873	5.943	35.88	-6.079	0.636	888	0
4/6/2014 22:15	61687	15	96	1.426	3.444	49.52	3.444	49.52	4.877	5.501	12.3	7.071	7.657	12.21	14.82	4.552	7.16	37.91	-5.793	0.666	888	0
4/6/2014 22:30	61688	15	96	0.575	2.598	78.82	2.598	78.82	6.716	2.51	350.4	14.03	7.921	12.48	15.95	4.561	8.03	38.66	-5.296	0.579	888	0
4/6/2014 22:45	61689	15	96	1.437	3.609	70.45	3.609	70.45	6.548	2.415	356.4	15.03	7.325	11.71	15.98	4.382	8.65	40.87	-5.108	0.433	888	0
4/6/2014 23:00	61690	15	96	2.504	5.086	42.37	5.086	42.37	4.22	7.305	31.71	6.713	8.47	10.1	14.58	1.634	6.11	40.02	-4.353	1.048	888	0
4/6/2014 23:15	61691	15	96	1.623	3.853	57.65	3.853	57.65	5.475	6.197	46.6	5.811	8.17	10.98	14.37	2.803	6.193	41.31	-4.193	0.815	888	0
4/6/2014 23:30	61692	15	96	1.66	3.958	57.87	3.958	57.87	3.425	6.042	40.15	2.257	7.333	11.36	14.53	4.026	7.202	43.9	-4.148	0.675	888	0
4/6/2014 23:45	61693	15	96	1.481	3.766	52.32	3.766	52.32	2.161	5.845	33.89	2.881	7.254	11.32	14.33	4.063	7.071	44.95	-3.904	0.755	888	0
4/7/2014 0:00	61694	15	97	1.428	3.199	54.93	3.199	54.93	4.235	4.845	23.59	3.161	7.144	11.46	14.65	4.313	7.502	45.79	-3.758	0.704	888	0

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

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

April 6, 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	---	---				546.07			
WIPP Far Field (WFF)	AL-WFF-20140325-2.2	04/01/2014	---	---				554.61			

Environmental Monitoring & Hydrology Airborne Particulates Sampling

April 6, 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 East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---				542.58			
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---				518.92			
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---				533.42			
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---				528.06			
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---				507.26			
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---				536.26			
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---				539.09			
Meteorology Tower Building (MET)†	AL-MET-20140325-1.1	04/01/2014	---	---				545.42			
Salt Hoist (SLT)†	AL-SLT-20140325-1.1	04/01/2014	---	---				533.10			
Southeast of Training Building (STB)†	AL-STB-20140325-1.1	04/01/2014	---	---				556.78			
Guard and Security Building (GSB)‡	AL-GSB-20140325-1.1	04/01/2014	---	---				531.54			
WIPP Far Field (WFF)	AL-WFF-20140401-1.2	04/08/2014	---	---							
WIPP Far Field (WFF)	AL-WFF-20140401-2.2	04/08/2014									
WIPP East (WEE)	AL-WEE-20140401-1.1	04/08/2014	---	---							
WIPP South (WSS)	AL-WSS-20140401-1.1	04/08/2014	---	---							
Mills Ranch (MLR)	AL-MLR-20140401-1.1	04/08/2014	---	---							
Carlsbad (CBD)	AL-CBD-20140401-1.1	04/08/2014	---	---							
Smith Ranch (SMR)	AL-SMR-20140401-1.1	04/08/2014	---	---							
Southeast Control (SEC)	AL-SEC-20140401-1.2	04/08/2014	---	---							
Southeast Control (SEC) co-located sample	AL-SEC-20140401-2.2	04/08/2014	---	---							
Meteorology Tower Building (MET)†	AL-MET-20140401-1.1	04/08/2014	---	---							
Salt Hoist (SLT)†	AL-SLT-20140401-1.1	04/08/2014	---	---							
Southeast of Training Building (STB)†	AL-STB-20140401-1.1	04/08/2014	---	---							
Guard and Security Building (GSB)‡	AL-GSB-20140401-1.1	04/08/2014	---	---							

* 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 2/14/14.

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

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

Environmental Monitoring & Hydrology Airborne Particulates Sampling

April 6, 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)

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

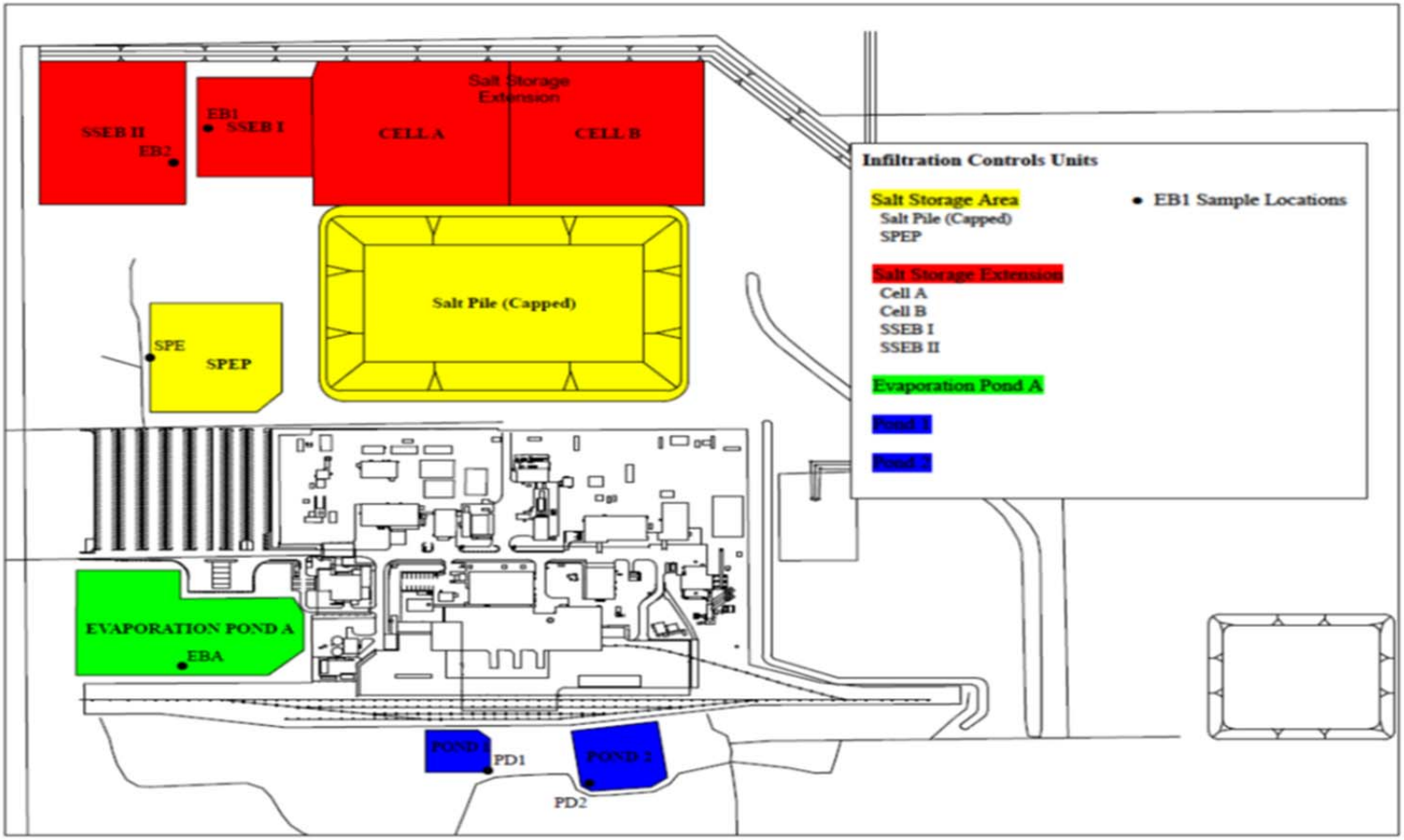
MDC ranges are:

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

Surface Water Sample Locations



Environmental Monitoring & Hydrology Surface Water Sampling

April 6, 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*	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			
Hill Tank	WS-HIL-20140312-2.2	3/12/2014			
Fresh Water Tank	WS-FWT-20140312-1.1	3/12/2014			
Tut Tank	WS-TUT-20140313-1.1	3/13/2014			
Pierce Canyon	WS-PCN-20140313-1.1	3/13/2014			
Carlsbad	WS-CBD-20140313-1.2	3/13/2014			
Carlsbad	WS-CBD-20140313-2.2	3/13/2014			
Brantley Lake	WS-BRA-20140314-1.1	3/14/2014			
Upper Pecos River	WS-UPR-20140314-1.1	3/14/2014			
Coyote Well	WS-COW-20140314-1.1	3/14/2014			
Sample of Opportunity	WS-SOO-20140316-1.5	3/16/2014			
Sample of Opportunity (Dupe)	WS-SOO-20140316-2.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140316-3.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140316-4.5	3/16/2014			
Sample of Opportunity (Blank)	WS-SOO-20140316-5.5	3/16/2014			
Sample of Opportunity	WS-SOO-20140326-1.2	3/26/2014			
Sample of Opportunity	WS-SOO-20140326-2.2	3/26/2014			
Blank	WS-BLK-20140326-1.1	3/26/2014			

* This sample was collected during a rain event from various locations within the Property Protection Area. Highest concentration is about 3% of the EPA drinking water standard for alpha radioactivity.

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/L): 5.22E-02 to 7.78E-02

MDC Pu-238 (dpm/L): 3.53E-03 to 4.99E-02

MDC Pu-239/240 (dpm/L): 3.13E-02 to 4.89E-02

Environmental Monitoring & Hydrology Sediment Sampling

April 6, 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			
Bottom of the Hill Tank	SB-BHT-20140312-1.1	3/12/2014			
Noya Tank	SB-NOY-20140312-1.1	3/12/2014			
Hill Tank	SB-HIL-20140312-1.2	3/12/2014			
Hill Tank	SB-HIL-20140312-2.2	3/12/2014			
Lost Tank	SB-LST-20140312-1.1	3/12/2014			
Tut Tank	SB-TUT-20140313-1.1	3/13/2014			
Pierce Canyon	SB-PCN-20140313-1.1	3/13/2014			
Carlsbad	SB-CBD-20140313-1.2	3/13/2014			
Carlsbad	SB-CBD-20140313-2.2	3/13/2014			
Poker Trap	SB-PKT-20140313-1.1	3/13/2014			
Indian Tank	SB-IND-20140313-1.1	3/13/2014			
Brantley	SB-BRA-20140314-1.1	3/14/2014			
Upper Pecos River	SB-UPR-20140314-1.1	3/14/2014			

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): Ranges will be added when results are available

MDC Pu-238 (dpm/g): Ranges will be added when results are available

MDC Pu-239/240 (dpm/g): Ranges will be added when results are available

Environmental Monitoring & Hydrology Biota Sampling - Fauna

April 6, 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			

MDC ranges are:

MDC Am-241 (dpm/g): Ranges will be added when results are available

MDC Pu-238 (dpm/g): Ranges will be added when results are available

MDC Pu-239/240 (dpm/g): Ranges will be added when results are available

Environmental Monitoring & Hydrology Biota Sampling - Vegetation

April 6, 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			
GPS Location 2*	BV-SOO-20140319-1.2	3/19/2014			
GPS Location 3*	BV-SOO-20140319-1.3	3/19/2014			
GPS Location 4*	BV-SOO-20140319-1.4	3/19/2014			
GPS Location 5*	BV-SOO-20140321-1.5	3/21/2014			
GPS Location 6*	BV-SOO-20140321-1.6	3/21/2014			
GPS Location 7*	BV-SOO-20140320-1.7	3/20/2014			
GPS Location 8*	BV-SOO-20140321-1.8	3/21/2014			
GPS Location 9*	BV-SOO-20140320-1.9	3/20/2014			
GPS Location 10*	BV-SOO-20140319-1.10	3/19/2014			
GPS Location 11*	BV-SOO-20140319-1.11	3/19/2014			
GPS Location 12*	BV-SOO-20140319-1.12	3/19/2014			
GPS Location 13*	BV-SOO-20140319-1.13	3/19/2014			
GPS Location 14*	BV-SOO-20140319-1.14	3/19/2014			
GPS Location 15*	BV-SOO-20140319-1.15	3/19/2014			
GPS Location 16*	BV-SOO-20140319-1.16	3/19/2014			
GPS Location 17*	BV-SOO-20140320-1.17	3/20/2014			
GPS Location 18*	BV-SOO-20140320-1.18	3/20/2014			
GPS Location 19*	BV-SOO-20140320-1.19	3/20/2014			
GPS Location 20*	BV-SOO-20140319-1.20	3/19/2014			
GPS Location 21*	BV-SOO-20140319-1.21	3/19/2014			
GPS Location 22*	BV-SOO-20140320-1.22	3/20/2014			
GPS Location 23*	BV-SOO-20140320-1.23	3/20/2014			
GPS Location 24*	BV-SOO-20140319-1.24	3/19/2014			
GPS Location 25*	BV-SOO-20140319-1.25	3/19/2014			
GPS Location 26*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 27*	BV-SOO-20140321-1.26	3/21/2014			
GPS Location 28*	BV-SOO-20140321-1.28	3/21/2014			
GPS Location 29*	BV-SOO-20140321-1.29	3/21/2014			
GPS Location 10 (Duplicate)*	BV-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (Duplicate)*	BV-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (Duplicate)*	BV-SOO-20140321-2.6	3/21/2014			

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

Note: Vegetation samples were collected adjacent to air sampling locations. All vegetation sample analyses were below the minimum detectable concentrations (MDC) for 241 Am, 238 Pu, and 239/240 Pu.

MDC ranges are:

MDC Am-241 (dpm/g): 3.33E-02 to 3.38E-02

MDC Pu-238 (dpm/g): 2.09E-02 to 2.17E-02

MDC Pu-239/240 (dpm/g): 1.37E-02 to 1.44E-02

Environmental Monitoring & Hydrology Soil Sampling

April 6, 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 Surface Sample (0-2 cm)	SS-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 South Surface Sample (0-2 cm)	SS-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	**3.34E-02**
Smith Ranch Surface Sample (0-2 cm)	SS-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 Surface Sample (0-2 cm)	SS-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			
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014			
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014			
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014			
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014			
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014			
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014			
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014			
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014			
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014			
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014			
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014			
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014			
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014			
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014			
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014			
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014			
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014			
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014			
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014			
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014			
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014			
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014			
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014			
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014			
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014			
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014			
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014			
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014			

Environmental Monitoring & Hydrology Soil Sampling

April 6, 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 10 (0-2 cm) (Duplicate)†	SS-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (0-2 cm) (Duplicate)†	SS-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (0-2 cm) (Duplicate)†	SS-SOO-20140321-2.6	3/21/2014			

* The one soil sample with detected plutonium showed concentration in the range of historical results for this location.

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

Minimum detectable concentration (MDC) ranges are:

MDC Am-241 (dpm/g): 3.40E-02 to 4.12E-02

MDC Pu-238 (dpm/g): 2.34E-02 to 2.96E-02

MDC Pu-239/240 (dpm/g): 1.80E-02 to 2.18E-02

Site Environmental Compliance Salt Pile Sampling

April 6, 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

Attachment 5
Filter Differential Pressures

Note: On 4/5/14 instrument maintenance was being performed on the HEPA filter delta pressure transmitters at 2230 hours. This resulted in no measurement reading on Filter Bank 41-B-586 MOD filter at that time. This is displayed as N/M in the table.

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/31/2014 0:00	1.815510991	0.549144508	0.951961183	0.976260241	1.360693006	0.575847005	1.127497577	1.123978242
3/31/2014 0:30	1.816179804	0.549201049	0.952195965	0.976572177	1.382506919	0.57584474	1.130616614	1.120802831
3/31/2014 1:00	1.818671475	0.549257591	0.952430747	0.977348589	1.383273362	0.575842475	1.136924296	1.123269531
3/31/2014 1:30	1.819653518	0.549314133	0.952665529	0.977846634	1.383888205	0.57584021	1.131449016	1.125827829
3/31/2014 2:00	1.820439365	0.549370674	0.952900311	0.977880204	1.386958627	0.575837945	1.13852361	1.127658923
3/31/2014 2:30	1.823910221	0.549427216	0.953135093	0.978473771	1.387215101	0.57583568	1.135996175	1.128840608
3/31/2014 3:00	1.824189697	0.549483758	0.953369874	0.979614648	1.388036797	0.575833415	1.132918355	1.130403229
3/31/2014 3:30	1.824244623	0.549540299	0.953604656	0.980195528	1.388333076	0.57583115	1.137736572	1.130386424
3/31/2014 4:00	1.8253257	0.549596841	0.953839438	0.980776408	1.389063737	0.575828885	1.138343679	1.129856419
3/31/2014 4:30	1.828161036	0.549653383	0.95407422	0.981357288	1.390660684	0.57582662	1.140930504	1.126064886
3/31/2014 5:00	1.827658582	0.549709924	0.954309002	0.981938168	1.38994659	0.575824355	1.142235721	1.132095329
3/31/2014 5:30	1.831791199	0.549766466	0.954543784	0.982519048	1.391914726	0.57582209	1.139647365	1.128494241
3/31/2014 6:00	1.830890929	0.549823007	0.954778566	0.983099928	1.390778862	0.575819825	1.140934467	1.130238743
3/31/2014 6:30	1.828150846	0.549879549	0.955013348	0.98585878	1.390941315	0.57581756	1.140934467	1.12922688
3/31/2014 7:00	1.830680424	0.549936091	0.95524813	0.981977462	1.391872717	0.575815295	1.141873646	1.131346286
3/31/2014 7:30	1.831578987	0.549992632	0.955482912	0.979204871	1.392951569	0.57581303	1.140900492	1.133067321
3/31/2014 8:00	1.830936639	0.550049174	0.955717694	0.9801453	1.393790667	0.575810765	1.14363161	1.132328797
3/31/2014 8:30	1.82927748	0.550105716	0.955952476	0.978967953	1.39084185	0.5758085	1.145729364	1.134241353
3/31/2014 9:00	1.828476302	0.550162257	0.956394975	0.977790607	1.38904676	0.575806235	1.142785356	1.132628728
3/31/2014 9:30	1.827142184	0.550218799	0.957212129	0.977077288	1.389950214	0.57580397	1.140171528	1.129024605
3/31/2014 10:00	1.827375864	0.550275341	0.956369895	0.985038097	1.390573497	0.575801705	1.142827125	1.126341078
3/31/2014 10:30	1.825302092	0.550331882	0.955374158	0.982949786	1.389679754	0.57579944	1.141866669	1.126083295
3/31/2014 11:00	1.823527192	0.550388424	0.954378421	0.979715414	1.387434491	0.575797175	1.140229368	1.13044623
3/31/2014 11:30	1.822508977	0.550444966	0.952627486	0.979786649	1.389221359	0.57579491	1.139212917	1.129974718
3/31/2014 12:00	1.822874463	0.550501507	0.953705796	0.978561862	1.386954636	0.575792645	1.135360333	1.126579047
3/31/2014 12:30	1.821785636	0.550558049	0.95383387	0.97473085	1.387459996	0.57579038	1.136987112	1.125782645
3/31/2014 13:00	1.823505495	0.550614591	0.95365916	0.975921275	1.384798533	0.575788115	1.136034487	1.125978901
3/31/2014 13:30	1.820844262	0.550671132	0.953484451	0.97634353	1.383713012	0.57578585	1.136106585	1.124900744
3/31/2014 14:00	1.81933581	0.550727674	0.953309741	0.972947235	1.383818624	0.575783585	1.133861446	1.126086095
3/31/2014 14:30	1.819386327	0.550784216	0.952274779	0.971438457	1.381618909	0.57578132	1.134829447	1.126590729
3/31/2014 15:00	1.819316172	0.550840757	0.951610357	0.969903968	1.379836234	0.575779055	1.134191004	1.128263256
3/31/2014 15:30	1.816300525	0.550897299	0.951806188	0.97032553	1.382327904	0.57577679	1.133716579	1.127452353
3/31/2014 16:00	1.815907525	0.55095384	0.95200202	0.970783293	1.3814776	0.575774525	1.13099203	1.120725935
3/31/2014 16:30	1.819651506	0.551010382	0.952197851	0.971200268	1.380867214	0.57577226	1.132940673	1.122329582
3/31/2014 17:00	1.81961809	0.551066924	0.952393683	0.971606753	1.380797141	0.575769995	1.133590924	1.126304738
3/31/2014 17:30	1.818666247	0.551123465	0.952589514	0.972984717	1.380063742	0.57576773	1.137727507	1.12472001
3/31/2014 18:00	1.817749067	0.551180007	0.952785345	0.974710074	1.379793223	0.575765465	1.139741475	1.125427488
3/31/2014 18:30	1.821451126	0.551236549	0.952981177	0.974811547	1.381661396	0.5757632	1.136563529	1.127511376
3/31/2014 19:00	1.819779468	0.55129309	0.953177008	0.974913021	1.382399489	0.575760935	1.138416708	1.12568834
3/31/2014 19:30	1.824427367	0.551349632	0.95337284	0.977100425	1.383034776	0.57575867	1.136813474	1.125377344
3/31/2014 20:00	1.826337778	0.551406174	0.953568671	0.978957474	1.382758885	0.575756405	1.137051356	1.121399288
3/31/2014 20:30	1.823850093	0.551462715	0.953764503	0.978728592	1.383993813	0.57575414	1.136335372	1.125434799
3/31/2014 21:00	1.823568554	0.551519257	0.953960334	0.978499711	1.387352271	0.575751874	1.135649874	1.129545247
3/31/2014 21:30	1.825211063	0.551575799	0.954156165	0.978167024	1.387541011	0.575749609	1.134443526	1.129219586
3/31/2014 22:00	1.830016627	0.55163234	0.954351997	0.977970846	1.389291624	0.575747344	1.13670455	1.12990436
3/31/2014 22:30	1.829288743	0.551688882	0.954547828	0.978963105	1.38989536	0.575745079	1.138605765	1.131292896
3/31/2014 23:00	1.83008006	0.551745424	0.95474366	0.977670142	1.38951157	0.575742814	1.141767821	1.128896564
3/31/2014 23:30	1.832303189	0.551801965	0.954939491	0.978561166	1.392347617	0.575740549	1.141473063	1.129032254
4/1/2014 0:00	1.83168337	0.551858507	0.955135322	0.978851503	1.38996654	0.575738284	1.139351334	1.128398023
4/1/2014 0:30	1.832269493	0.551417589	0.955331154	0.97914184	1.392968072	0.575736019	1.144058862	1.132878969
4/1/2014 1:00	1.831812829	0.550714445	0.955526985	0.979432177	1.393694208	0.575733754	1.143613908	1.131478338
4/1/2014 1:30	1.833548689	0.550508761	0.955722817	0.979722515	1.394744923	0.575731489	1.143147111	1.133340593
4/1/2014 2:00	1.834702703	0.550303077	0.955918648	0.980012852	1.393749152	0.575729224	1.14143672	1.130741795
4/1/2014 2:30	1.835334652	0.550097393	0.95611448	0.980347278	1.395302483	0.575726959	1.143837119	1.133376732
4/1/2014 3:00	1.834776002	0.549891709	0.956310311	0.982011224	1.393714905	0.575724694	1.141948908	1.12997555

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/1/2014 3:30	1.836119313	0.549686025	0.956506142	0.981653099	1.394703422	0.575722429	1.145957414	1.133512656
4/1/2014 4:00	1.835156463	0.549480341	0.956701974	0.981220553	1.396337053	0.575720164	1.145376346	1.135891763
4/1/2014 4:30	1.836671262	0.549274657	0.956897805	0.980788007	1.397339737	0.575717899	1.148569676	1.134825157
4/1/2014 5:00	1.837866544	0.549068973	0.957093637	0.980355461	1.3939613	0.575715634	1.141468525	1.133540407
4/1/2014 5:30	1.840214261	0.548863289	0.957289468	0.979922915	1.398034002	0.575713369	1.146378188	1.13420179
4/1/2014 6:00	1.840729521	0.548657605	0.9574853	0.979490368	1.398209398	0.575711104	1.143580691	1.134970308
4/1/2014 6:30	1.840937318	0.548451921	0.957681131	0.979057822	1.397652078	0.575708839	1.148539651	1.136178647
4/1/2014 7:00	1.841097904	0.548246237	0.957876962	0.977990259	1.397746698	0.575706574	1.145894779	1.1345296
4/1/2014 7:30	1.842094955	0.548040553	0.958072794	0.97756867	1.399507115	0.575704309	1.149398864	1.132798883
4/1/2014 8:00	1.840643972	0.547834869	0.958268625	0.977782098	1.399474299	0.575702044	1.143936934	1.132362491
4/1/2014 8:30	1.840072343	0.547629185	0.958464457	0.977585886	1.396462551	0.575699779	1.141486284	1.131319421
4/1/2014 9:00	1.836975807	0.547423501	0.958699635	0.975930552	1.395782199	0.575697514	1.13810733	1.128614918
4/1/2014 9:30	1.835213766	0.547217817	0.958440449	0.97618433	1.393758709	0.575695249	1.137645631	1.129994435
4/1/2014 10:00	1.835324286	0.547012133	0.958141915	0.976438107	1.393955684	0.575692984	1.138012048	1.129235155
4/1/2014 10:30	1.836128842	0.546806449	0.957843381	0.976691885	1.393368972	0.575690719	1.136730748	1.127353787
4/1/2014 11:00	1.835246736	0.546600765	0.957544847	0.976945662	1.391936999	0.575688454	1.135444032	1.128641912
4/1/2014 11:30	1.83436509	0.546395081	0.957246313	0.97719944	1.39252694	0.575686189	1.135043113	1.128263958
4/1/2014 12:00	1.831006585	0.546189397	0.956947779	0.977453217	1.389883976	0.575683924	1.136120762	1.12656945
4/1/2014 12:30	1.834760719	0.545983713	0.956649246	0.977706995	1.391693713	0.575681659	1.13495253	1.125152129
4/1/2014 13:00	1.832140883	0.545778029	0.956350712	0.977960772	1.392736688	0.575679394	1.134149344	1.127307273
4/1/2014 13:30	1.832368447	0.545572345	0.956052178	0.976373467	1.391520614	0.575677129	1.133500747	1.125170983
4/1/2014 14:00	1.834099095	0.545366661	0.955753644	0.973784539	1.392329111	0.575674864	1.135898888	1.123993652
4/1/2014 14:30	1.831999463	0.545160977	0.95545511	0.973570829	1.391560933	0.575672599	1.137117043	1.124615265
4/1/2014 15:00	1.834626539	0.544955293	0.954506284	0.973357119	1.392681617	0.575670334	1.136037931	1.12530191
4/1/2014 15:30	1.829564426	0.544355776	0.950104382	0.973143409	1.388014088	0.575668069	1.134274177	1.123144326
4/1/2014 16:00	1.826147743	0.543962753	0.946089178	0.970739855	1.38778057	0.575256215	1.127745585	1.119460563
4/1/2014 16:30	1.826318955	0.543963564	0.94774254	0.972050499	1.388347382	0.57484145	1.130713499	1.119874851
4/1/2014 17:00	1.8300002	0.543964375	0.947648635	0.969748435	1.387025602	0.574836275	1.130309637	1.119336216
4/1/2014 17:30	1.830273662	0.543965186	0.9480508	0.969381161	1.388234675	0.5748311	1.129124959	1.120505873
4/1/2014 18:00	1.829275781	0.543965997	0.948501892	0.96934189	1.388532843	0.574825925	1.13433309	1.121758593
4/1/2014 18:30	1.831781579	0.543966808	0.948952983	0.969302618	1.387933163	0.57482075	1.132847071	1.122207878
4/1/2014 19:00	1.831659655	0.543967619	0.949404075	0.969263347	1.389422584	0.574815575	1.132538484	1.121334549
4/1/2014 19:30	1.832009267	0.54396843	0.949855166	0.968635609	1.38890196	0.5748104	1.130402194	1.118344523
4/1/2014 20:00	1.835880344	0.543969241	0.950306257	0.968320521	1.389627391	0.574805225	1.132149778	1.118655937
4/1/2014 20:30	1.837533058	0.543970052	0.950757349	0.9685939	1.392082334	0.57480005	1.132354716	1.119160456
4/1/2014 21:00	1.839633063	0.543970863	0.95120844	0.968867279	1.396155581	0.574794875	1.132360086	1.119917296
4/1/2014 21:30	1.8414643	0.543971674	0.951659532	0.969140658	1.396912797	0.5747897	1.134030975	1.12212988
4/1/2014 22:00	1.839112573	0.543972485	0.952110623	0.971172056	1.396987888	0.574784525	1.133560711	1.122403109
4/1/2014 22:30	1.838704519	0.543973296	0.952561714	0.972777486	1.395876595	0.57477935	1.134582938	1.123787547
4/1/2014 23:00	1.842982087	0.543974107	0.953012806	0.972624898	1.398339458	0.574774175	1.139032598	1.124005188
4/1/2014 23:30	1.846362723	0.543974918	0.953463897	0.97247231	1.400549575	0.574769	1.138917312	1.125916774
4/2/2014 0:00	1.844645382	0.543975729	0.953914989	0.972319722	1.401432054	0.574763825	1.139743643	1.126158346
4/2/2014 0:30	1.846997267	0.54397654	0.95436608	0.972167134	1.401728882	0.57475865	1.13570391	1.126953147
4/2/2014 1:00	1.848819638	0.543977351	0.955252139	0.972014546	1.403751926	0.574753475	1.135733542	1.12761558
4/2/2014 1:30	1.851781517	0.543978162	0.95572615	0.97625992	1.404152816	0.5747483	1.140558913	1.127814624
4/2/2014 2:00	1.851349053	0.543978973	0.955765194	0.980387323	1.404948328	0.574743125	1.140058619	1.125551788
4/2/2014 2:30	1.847742857	0.543979784	0.955804238	0.980367526	1.404090137	0.57473795	1.143452227	1.128269255
4/2/2014 3:00	1.853229388	0.543980595	0.955843283	0.978241134	1.406047574	0.574732775	1.140483928	1.126683951
4/2/2014 3:30	1.854145628	0.543981406	0.955882327	0.976102791	1.405609581	0.5747276	1.140494389	1.129233112
4/2/2014 4:00	1.856930587	0.543982217	0.955921371	0.976071043	1.408106091	0.574722425	1.146489153	1.131626368
4/2/2014 4:30	1.859618292	0.543983028	0.955960415	0.976039296	1.410337897	0.57471725	1.144729855	1.133650334
4/2/2014 5:00	1.858841624	0.543983839	0.95599946	0.976007548	1.41110084	0.574712075	1.141754219	1.132858332
4/2/2014 5:30	1.86031452	0.54398465	0.956038504	0.975975801	1.412139212	0.5747069	1.141684027	1.133174277
4/2/2014 6:00	1.861119692	0.543985461	0.956077548	0.975944053	1.412373517	0.574701725	1.142365134	1.131015884
4/2/2014 6:30	1.857422913	0.543986272	0.956359642	0.975912305	1.410702392	0.57469655	1.138903194	1.130236906

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/2/2014 7:00	1.86016428	0.543987083	0.956589733	0.975880558	1.413930215	0.574691375	1.14074404	1.130405545
4/2/2014 7:30	1.859793446	0.543987894	0.956576774	0.971842792	1.413913171	0.5746862	1.141620467	1.130306959
4/2/2014 8:00	1.86107356	0.543988705	0.956563814	0.972319722	1.413386398	0.574681025	1.139908978	1.130208373
4/2/2014 8:30	1.857260906	0.543989516	0.956550855	0.972221959	1.409651619	0.57467585	1.139037003	1.129446908
4/2/2014 9:00	1.857803129	0.543990327	0.956537896	0.972124197	1.410060668	0.574670675	1.13612783	1.126424347
4/2/2014 9:30	1.855141052	0.543991138	0.956524936	0.972026434	1.409714258	0.5746655	1.136802469	1.128713225
4/2/2014 10:00	1.851544913	0.543991949	0.956511977	0.971928671	1.407987827	0.574660325	1.134947065	1.122830836
4/2/2014 10:30	1.854909671	0.54399276	0.956499017	0.971830908	1.406563771	0.57465515	1.135052333	1.123850113
4/2/2014 11:00	1.853444557	0.543993571	0.956486058	0.971733146	1.407512723	0.574649975	1.134886361	1.123703492
4/2/2014 11:30	1.853826196	0.543994382	0.956473098	0.971635383	1.406520814	0.5746448	1.131931197	1.12355687
4/2/2014 12:00	1.852573601	0.543995193	0.956460139	0.97153762	1.405990365	0.574639625	1.135617334	1.120586563
4/2/2014 12:30	1.851032329	0.544314666	0.95644718	0.9688081	1.407153387	0.57463445	1.13449591	1.123629895
4/2/2014 13:00	1.853251255	0.544724757	0.95643422	0.961643455	1.406683514	0.574629275	1.133885499	1.123832508
4/2/2014 13:30	1.852475173	0.544816185	0.949523446	0.964212993	1.40449111	0.5746241	1.133241888	1.117276402
4/2/2014 14:00	1.849904805	0.544907614	0.943147135	0.965667421	1.406623007	0.574618925	1.132555243	1.121312692
4/2/2014 14:30	1.852927094	0.544999042	0.94497825	0.967345947	1.40397603	0.57461375	1.134075662	1.123562128
4/2/2014 15:00	1.852506458	0.54509047	0.942130234	0.968163787	1.404813322	0.574608574	1.129034293	1.116245445
4/2/2014 15:30	1.850261257	0.545181899	0.939254812	0.967316587	1.402995106	0.574603399	1.124363175	1.110652657
4/2/2014 16:00	1.849161558	0.545273327	0.93637939	0.965623638	1.404184354	0.574295179	1.12990731	1.111750555
4/2/2014 16:30	1.845636581	0.545364755	0.933227412	0.962788678	1.397390529	0.574052099	1.12078006	1.111689963
4/2/2014 17:00	1.853014939	0.545456184	0.936103459	0.968275912	1.40666974	0.574112065	1.133982153	1.120878078
4/2/2014 17:30	1.861279931	0.545547612	0.94136789	0.970607079	1.409776028	0.57417203	1.137841312	1.119977125
4/2/2014 18:00	1.856869524	0.54563904	0.943845963	0.970572961	1.407882027	0.574231996	1.132580923	1.121300492
4/2/2014 18:30	1.85858669	0.545730468	0.944212209	0.970538844	1.408421654	0.574291962	1.135599293	1.12874241
4/2/2014 19:00	1.860523446	0.545821897	0.946317964	0.970504727	1.410641326	0.574351927	1.134157729	1.12446262
4/2/2014 19:30	1.857997769	0.545913325	0.948104711	0.97047061	1.408738393	0.574411893	1.135631726	1.12271789
4/2/2014 20:00	1.860155559	0.546004753	0.94815195	0.970436492	1.411980933	0.574471859	1.134402628	1.121456919
4/2/2014 20:30	1.862611679	0.546096182	0.948199188	0.969034005	1.410305375	0.574531825	1.136538202	1.12283823
4/2/2014 21:00	1.865896498	0.54618761	0.948246426	0.971497194	1.413554561	0.57459179	1.134612539	1.122613727
4/2/2014 21:30	1.866647047	0.546279038	0.948293665	0.972658368	1.412430917	0.574651756	1.135200605	1.125761497
4/2/2014 22:00	1.870692396	0.546783666	0.948340903	0.974137777	1.418074263	0.574711722	1.136836638	1.125996765
4/2/2014 22:30	1.874411806	0.547174973	0.948388142	0.974646807	1.418383489	0.574771687	1.136204123	1.127606713
4/2/2014 23:00	1.875961742	0.54715308	0.949467189	0.974837602	1.420511042	0.574831653	1.137212902	1.12541773
4/2/2014 23:30	1.87415748	0.547131188	0.950682644	0.975028397	1.422160617	0.574891619	1.137424827	1.130578816
4/3/2014 0:00	1.873774318	0.547109296	0.950866291	0.977431685	1.423067342	0.574951585	1.141838507	1.130508745
4/3/2014 0:30	1.876697906	0.547087403	0.951049937	0.972702697	1.423364199	0.57501155	1.141216426	1.126704722
4/3/2014 1:00	1.88008151	0.547065511	0.951233583	0.975599741	1.425488726	0.575071516	1.139624153	1.130333945
4/3/2014 1:30	1.881095764	0.547043619	0.951417229	0.973998249	1.425956945	0.575131482	1.141975843	1.130785476
4/3/2014 2:00	1.882597113	0.547021726	0.951600875	0.974906868	1.428646344	0.575191447	1.143519622	1.128346528
4/3/2014 2:30	1.882882749	0.546999834	0.951784522	0.975815488	1.426799329	0.575251413	1.14286983	1.129089628
4/3/2014 3:00	1.883512285	0.546977942	0.951968168	0.976724108	1.4282171	0.575311379	1.140736779	1.130012716
4/3/2014 3:30	1.882639718	0.546956049	0.952151814	0.977632727	1.427746	0.575371345	1.145544386	1.131547163
4/3/2014 4:00	1.88649429	0.546934157	0.95233546	0.978541347	1.429843354	0.57543131	1.139940244	1.130023633
4/3/2014 4:30	1.88994118	0.546912265	0.952519107	0.977051927	1.434356145	0.575491276	1.142345819	1.134318995
4/3/2014 5:00	1.889192256	0.546890373	0.952702753	0.974570795	1.433542929	0.575551242	1.142009392	1.131997135
4/3/2014 5:30	1.888270576	0.54686848	0.952886399	0.974294221	1.435115092	0.575611207	1.140973409	1.131477617
4/3/2014 6:00	1.89515836	0.546846588	0.953070045	0.97544072	1.437151545	0.575671173	1.147364198	1.133210138
4/3/2014 6:30	1.892648785	0.546824696	0.953253691	0.975052078	1.436918387	0.575731139	1.14918113	1.137762596
4/3/2014 7:00	1.89663419	0.546802803	0.953437338	0.974663436	1.437126325	0.575791105	1.148780493	1.132362239
4/3/2014 7:30	1.89526016	0.546780911	0.953620984	0.974274793	1.441285553	0.57585107	1.145483089	1.13481439
4/3/2014 8:00	1.897775028	0.546759019	0.95380463	0.973886151	1.439002321	0.575911036	1.14965705	1.136649772
4/3/2014 8:30	1.897686576	0.546737126	0.953988276	0.973497509	1.440321736	0.575971002	1.147248647	1.13413459
4/3/2014 9:00	1.898250589	0.546715234	0.954171922	0.973108866	1.441336146	0.576030967	1.147129011	1.136883897
4/3/2014 9:30	1.896742033	0.546693342	0.954792455	0.972367385	1.440808447	0.576090933	1.147280922	1.136079077
4/3/2014 10:00	1.90037222	0.546671449	0.955229342	0.976685251	1.442766377	0.576150899	1.145248373	1.137000022

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/3/2014 10:30	1.897463464	0.546649557	0.955229342	0.976210833	1.440648095	0.576210865	1.147028211	1.136084495
4/3/2014 11:00	1.899915633	0.546627665	0.955229342	0.974912693	1.442521821	0.57627083	1.148716688	1.135288596
4/3/2014 11:30	1.898539704	0.546605772	0.955229342	0.973910516	1.442058475	0.576330796	1.144697927	1.129604518
4/3/2014 12:00	1.898024525	0.54658388	0.955229342	0.975138239	1.443457356	0.576390762	1.144418268	1.132174849
4/3/2014 12:30	1.899487799	0.546561988	0.955229342	0.979655459	1.441078396	0.576450727	1.146793465	1.13081273
4/3/2014 13:00	1.900038726	0.546540095	0.955229342	0.975714812	1.442849293	0.576510693	1.143666173	1.133100355
4/3/2014 13:30	1.898797759	0.546491323	0.955229342	0.973748805	1.440050646	0.576570659	1.140003293	1.13616459
4/3/2014 14:00	1.901037948	0.546495012	0.955229342	0.973943658	1.441742688	0.576630625	1.142881292	1.129923891
4/3/2014 14:30	1.903935741	0.546525582	0.955229342	0.975164421	1.4427322	0.57669059	1.146377239	1.132449992
4/3/2014 15:00	1.90695466	0.546556151	0.955229342	0.971972613	1.441984875	0.576750556	1.140539732	1.130058796
4/3/2014 15:30	1.908619971	0.54658672	0.955229342	0.97588274	1.444538914	0.576810522	1.14345357	1.132891619
4/3/2014 16:00	1.906256444	0.546617289	0.955229342	0.976750381	1.44294962	0.576870487	1.144564753	1.137918066
4/3/2014 16:30	1.906328025	0.546647859	0.955906484	0.97709841	1.442132468	0.576930453	1.143588758	1.136308482
4/3/2014 17:00	1.906759062	0.546678428	0.956583626	0.977327291	1.444886235	0.576990419	1.14559959	1.134205487
4/3/2014 17:30	1.909531208	0.546708997	0.957260767	0.976841611	1.444770351	0.577050385	1.146427751	1.134487009
4/3/2014 18:00	1.908386863	0.546739566	0.957937909	0.976327981	1.445396076	0.57711035	1.146180623	1.136815704
4/3/2014 18:30	1.907257929	0.546770136	0.958615051	0.975800094	1.447177177	0.577170316	1.150058699	1.13879677
4/3/2014 19:00	1.908892871	0.546800705	0.959292193	0.97750783	1.448607736	0.577230282	1.147946919	1.137227579
4/3/2014 19:30	1.911072205	0.546831274	0.959969335	0.98271817	1.449008271	0.579211866	1.149728973	1.138727425
4/3/2014 20:00	1.914318524	0.546861843	0.961371256	0.985848639	1.452066187	0.581259422	1.151114275	1.140604802
4/3/2014 20:30	1.913977133	0.546892413	0.962646911	0.987831021	1.45141758	0.58138536	1.150409653	1.143691609
4/3/2014 21:00	1.918331747	0.54898259	0.963197786	0.988038894	1.454537617	0.581511297	1.154959522	1.140450235
4/3/2014 21:30	1.916119585	0.551200091	0.963748662	0.984448371	1.454801209	0.581637235	1.156809807	1.139828826
4/3/2014 22:00	1.919522341	0.551357983	0.964299537	0.984217044	1.456410195	0.581763172	1.159820606	1.142325343
4/3/2014 22:30	1.92127776	0.551515875	0.964983024	0.985516581	1.459870187	0.581889109	1.155372664	1.145701813
4/3/2014 23:00	1.9234662	0.551673767	0.965127797	0.987219056	1.460013896	0.582015047	1.156949984	1.146828916
4/3/2014 23:30	1.924881499	0.551831659	0.965919158	0.987142762	1.460362554	0.582140984	1.160576871	1.145549655
4/4/2014 0:00	1.92904488	0.551989551	0.965927464	0.988545378	1.465006644	0.582266922	1.160630426	1.148600228
4/4/2014 0:30	1.928645411	0.552147443	0.96593577	0.989969591	1.463291282	0.582392859	1.161510707	1.151340097
4/4/2014 1:00	1.92979767	0.552305335	0.965944076	0.990699508	1.465448336	0.582518797	1.165121664	1.150666306
4/4/2014 1:30	1.932356957	0.552463227	0.965952382	0.990480576	1.465908041	0.582644734	1.162411477	1.149646914
4/4/2014 2:00	1.934247201	0.552621118	0.965960689	0.990482935	1.467351923	0.582770672	1.166592397	1.150662508
4/4/2014 2:30	1.935809181	0.55277901	0.965968995	0.990485294	1.468479016	0.582896609	1.164140782	1.152849237
4/4/2014 3:00	1.938934277	0.552936902	0.971539083	0.99155108	1.47215625	0.583022546	1.164909301	1.158616145
4/4/2014 3:30	1.939529807	0.553094794	0.973863466	0.992067019	1.4726899	0.583148484	1.165325267	1.153652913
4/4/2014 4:00	1.940339253	0.553252686	0.973881271	0.99151953	1.475383653	0.583274421	1.166513105	1.153356406
4/4/2014 4:30	1.942375272	0.553410578	0.973899076	0.993688375	1.475229883	0.583400359	1.166635992	1.156462478
4/4/2014 5:00	1.943657032	0.55356847	0.973916881	0.994258741	1.475002947	0.583526296	1.168954933	1.160422137
4/4/2014 5:30	1.946355535	0.553726362	0.973934686	0.996044989	1.478286267	0.583652234	1.175141466	1.159038014
4/4/2014 6:00	1.94964962	0.553884254	0.973952491	0.995768237	1.482407883	0.583778171	1.174675752	1.166558918
4/4/2014 6:30	1.952927452	0.554042146	0.973970296	0.995992934	1.48224521	0.583904109	1.177105866	1.162693164
4/4/2014 7:00	1.945676104	0.554200038	0.974679821	0.99278826	1.476795268	0.584030046	1.172729086	1.154954656
4/4/2014 7:30	1.938993997	0.55435793	0.975795863	0.988149693	1.471390919	0.584155983	1.164605898	1.155062588
4/4/2014 8:00	1.941369852	0.554515822	0.976220186	0.990000447	1.47176558	0.584281921	1.166454541	1.15232352
4/4/2014 8:30	1.941884718	0.554673714	0.97883099	0.992670824	1.472526857	0.584407858	1.165381524	1.154195344
4/4/2014 9:00	1.947581893	0.554831605	0.980821501	0.991312703	1.477203052	0.584533796	1.165857455	1.15495666
4/4/2014 9:30	1.941289319	0.554989497	0.976548921	0.986989968	1.470665604	0.584659733	1.164087036	1.153616765
4/4/2014 10:00	1.944117587	0.555147389	0.972216184	0.987804368	1.471686565	0.584785671	1.163522713	1.15541758
4/4/2014 10:30	1.93985083	0.555305281	0.971960057	0.987571984	1.472958185	0.584911608	1.161439428	1.152070434
4/4/2014 11:00	1.939785575	0.555463173	0.97170393	0.987339601	1.470927819	0.585037546	1.161610253	1.147859672
4/4/2014 11:30	1.938289593	0.556719202	0.971447804	0.986656427	1.471106175	0.585163483	1.160904167	1.153180653
4/4/2014 12:00	1.938712938	0.557770354	0.971191677	0.985399513	1.470517706	0.58528942	1.160779429	1.147978258
4/4/2014 12:30	1.937909017	0.557723369	0.970935551	0.985137463	1.466845483	0.586478856	1.158623841	1.147596788
4/4/2014 13:00	1.936290814	0.557676383	0.970679424	0.984058088	1.470248651	0.587429415	1.155719155	1.146886783
4/4/2014 13:30	1.935743001	0.557629397	0.970423298	0.980670458	1.46876079	0.587316476	1.155620361	1.146079709

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/4/2014 14:00	1.937563482	0.557582411	0.970167171	0.97838158	1.465245729	0.587203536	1.159204589	1.141807488
4/4/2014 14:30	1.935070947	0.557535426	0.969911045	0.978971645	1.466654789	0.587090596	1.158263439	1.1475534
4/4/2014 15:00	1.935703115	0.55748844	0.969654918	0.979821057	1.466768127	0.586977656	1.15128556	1.14059268
4/4/2014 15:30	1.935260082	0.557441454	0.969398791	0.981659497	1.464850231	0.586864716	1.153523924	1.143764845
4/4/2014 16:00	1.935892831	0.557394469	0.969142665	0.981175812	1.463900817	0.586751777	1.152901894	1.139576759
4/4/2014 16:30	1.934158112	0.557347483	0.968886538	0.981028978	1.462847103	0.586638837	1.154992298	1.139399321
4/4/2014 17:00	1.93471126	0.557300497	0.963684697	0.980882143	1.465678244	0.586525897	1.151652921	1.139081015
4/4/2014 17:30	1.937212996	0.557253512	0.958707658	0.980735309	1.464445656	0.586412957	1.151973813	1.143160662
4/4/2014 18:00	1.932724612	0.557206526	0.958676333	0.980588475	1.463274405	0.586300018	1.148456024	1.137982995
4/4/2014 18:30	1.93543958	0.55715954	0.958645008	0.980441641	1.465258431	0.586187078	1.147636937	1.136114604
4/4/2014 19:00	1.935736294	0.557112555	0.958613684	0.980122081	1.465945904	0.586074138	1.151869813	1.138069911
4/4/2014 19:30	1.936948496	0.557065569	0.958582359	0.97993731	1.468700698	0.585961198	1.153251835	1.138722519
4/4/2014 20:00	1.94039051	0.557018583	0.958551034	0.979925265	1.468364837	0.585848258	1.155612183	1.144963111
4/4/2014 20:30	1.941174652	0.556971598	0.958519709	0.97991322	1.469508338	0.585735319	1.157975442	1.143360312
4/4/2014 21:00	1.939824414	0.556924612	0.958488384	0.979901175	1.471757455	0.585622379	1.152617919	1.143315784
4/4/2014 21:30	1.941200589	0.556877626	0.95845706	0.979889131	1.470803559	0.585509439	1.159087671	1.141686965
4/4/2014 22:00	1.94384861	0.556830641	0.958425735	0.979877086	1.473520554	0.585396499	1.155835237	1.146181246
4/4/2014 22:30	1.943753283	0.556783655	0.95839441	0.979865041	1.473812372	0.58528356	1.155271891	1.145534517
4/4/2014 23:00	1.947706469	0.556736669	0.958363085	0.979748588	1.474011223	0.58517062	1.152539165	1.144000586
4/4/2014 23:30	1.945064373	0.556689683	0.958331761	0.977943522	1.475527075	0.58505768	1.155715982	1.14893235
4/5/2014 0:00	1.943267155	0.556642698	0.958300436	0.976999668	1.473896917	0.58494474	1.155359504	1.144075708
4/5/2014 0:30	1.945745825	0.556595712	0.958269111	0.97694927	1.47590701	0.5848318	1.156393958	1.145962731
4/5/2014 1:00	1.948283301	0.556548726	0.958237786	0.976898872	1.475958994	0.584718861	1.157074407	1.145741658
4/5/2014 1:30	1.945130074	0.556501741	0.958206461	0.976720388	1.477519976	0.584605921	1.158766151	1.14561384
4/5/2014 2:00	1.946689354	0.556454755	0.958175137	0.974757421	1.474504048	0.584492981	1.152971512	1.142764486
4/5/2014 2:30	1.946096476	0.555434028	0.958143812	0.975399615	1.476672053	0.584380041	1.152829624	1.140396972
4/5/2014 3:00	1.946686917	0.554434904	0.958112487	0.98014768	1.474699425	0.584267101	1.151410639	1.142123627
4/5/2014 3:30	1.946276103	0.55440952	0.958081162	0.979107869	1.476614972	0.584154162	1.153975198	1.146747454
4/5/2014 4:00	1.946170305	0.554384137	0.958049838	0.979010067	1.475196857	0.584041222	1.155659438	1.143979695
4/5/2014 4:30	1.946924063	0.554358753	0.958018513	0.978986366	1.477471112	0.583928282	1.151029712	1.143528581
4/5/2014 5:00	1.945117403	0.55433337	0.957987188	0.978962665	1.478001706	0.583815342	1.152629126	1.143507372
4/5/2014 5:30	1.94912876	0.554307986	0.957955863	0.978862247	1.475759309	0.583702403	1.154924036	1.144754778
4/5/2014 6:00	1.948439516	0.554282602	0.957568791	0.979599503	1.476227277	0.583589463	1.155992907	1.140162962
4/5/2014 6:30	1.9482482	0.554257219	0.960055156	0.977919846	1.477260628	0.583476523	1.154581154	1.14432197
4/5/2014 7:00	1.949054528	0.554231835	0.95992395	0.977857802	1.477883088	0.583363583	1.154897994	1.141661624
4/5/2014 7:30	1.949001089	0.554206452	0.959582979	0.975492856	1.477541304	0.583250643	1.15038598	1.144713878
4/5/2014 8:00	1.951528621	0.554181068	0.962194677	0.97238173	1.479505325	0.583137704	1.151170585	1.145282748
4/5/2014 8:30	1.947778184	0.554155685	0.96263985	0.968833662	1.478223676	0.583024764	1.151503028	1.143576069
4/5/2014 9:00	1.949700767	0.554130301	0.961932774	0.969865248	1.478558018	0.582911824	1.151748289	1.141572267
4/5/2014 9:30	1.945716317	0.554104918	0.961769512	0.972214318	1.477011183	0.582798884	1.150825436	1.141003304
4/5/2014 10:00	1.946774983	0.554079534	0.961606251	0.970355412	1.475791073	0.582685945	1.148069387	1.13683192
4/5/2014 10:30	1.948904048	0.554054151	0.958946547	0.971602285	1.475584246	0.582573005	1.149321885	1.138534014
4/5/2014 11:00	1.947949829	0.554028767	0.955949729	0.972015973	1.474397462	0.582460065	1.145265152	1.13774004
4/5/2014 11:30	1.949843637	0.554003384	0.955449353	0.972834076	1.475631686	0.582347125	1.146802058	1.137745601
4/5/2014 12:00	1.948982139	0.553978	0.954948978	0.973520752	1.476560241	0.582234185	1.144426092	1.133116372
4/5/2014 12:30	1.949416455	0.553952617	0.954448602	0.973908018	1.475603904	0.582121246	1.15178682	1.134983361
4/5/2014 13:00	1.946329094	0.553927233	0.953948227	0.972992967	1.476185158	0.582008306	1.141082232	1.130188859
4/5/2014 13:30	1.941646128	0.55390185	0.953447851	0.971161853	1.475040276	0.581895366	1.145627588	1.132926547
4/5/2014 14:00	1.942770369	0.553876466	0.952947475	0.970303619	1.472798558	0.581782426	1.141843843	1.131274022
4/5/2014 14:30	1.941369	0.553851083	0.9524471	0.970271218	1.470512774	0.581669487	1.141559849	1.129976965
4/5/2014 15:00	1.942184307	0.553825699	0.951946724	0.970238818	1.47272232	0.581556547	1.141285496	1.129178335
4/5/2014 15:30	1.943013066	0.553800316	0.951446349	0.967284143	1.469774299	0.581443607	1.139255941	1.130484529
4/5/2014 16:00	1.940481245	0.553774932	0.950945973	0.966895069	1.468642279	0.581330667	1.139466847	1.131399724
4/5/2014 16:30	1.940527912	0.553749549	0.950445597	0.966636171	1.470231543	0.581217727	1.142311175	1.128960333
4/5/2014 17:00	1.943009886	0.553724165	0.949945222	0.966751138	1.470174547	0.581104788	1.140612951	1.12811719

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/5/2014 17:30	1.944445264	0.553698782	0.949444846	0.966866105	1.471301122	0.580991848	1.140266517	1.128218659
4/5/2014 18:00	1.944715462	0.553673398	0.948043208	0.966981073	1.473324556	0.580878908	1.140554396	1.128905305
4/5/2014 18:30	1.948775468	0.553648015	0.947094379	0.96709604	1.474221054	0.580765968	1.139631103	1.130698233
4/5/2014 19:00	1.948599916	0.553622631	0.947046813	0.967211007	1.474720839	0.580653029	1.14486978	1.124798671
4/5/2014 19:30	1.95090945	0.553597248	0.946999247	0.967325974	1.475728368	0.580540089	1.141328998	1.1283334
4/5/2014 20:00	1.951529062	0.553571864	0.946951681	0.967440942	1.477268334	0.580427149	1.141499936	1.130299391
4/5/2014 20:30	1.954078366	0.553546481	0.946904115	0.968875106	1.475972579	0.580314209	1.142001094	1.130878541
4/5/2014 21:00	1.957600684	0.553521097	0.94685655	0.968366544	1.479919444	0.580201269	1.140928028	1.131700848
4/5/2014 21:30	1.08146461	0.552116368	0.946808984	0.970197659	1.482601177	0.58008833	1.140940533	1.130154179
4/5/2014 22:00	0.197997295	0.550546351	0.946761418	0.971959693	1.483404792	0.57997539	1.147469402	1.134390684
4/5/2014 22:30	N/M	0.550355679	0.946713852	0.973333014	1.484129768	0.57986245	1.147817855	1.135263581
4/5/2014 23:00	1.435468216	0.550165006	0.946666286	0.974675947	1.485340428	0.57974951	1.145764643	1.13669663
4/5/2014 23:30	1.970737865	0.549974334	0.94661872	0.971886684	1.487893407	0.579636571	1.145824938	1.132806008
4/6/2014 0:00	1.976743697	0.549783662	0.946571154	0.96839664	1.487156347	0.579523631	1.145801495	1.134064573
4/6/2014 0:30	1.976650351	0.548455962	0.946523588	0.969051373	1.488394645	0.579410691	1.144307759	1.13572159
4/6/2014 1:00	1.98257682	0.545406519	0.946476022	0.969706106	1.490268651	0.579297751	1.146291335	1.137466646
4/6/2014 1:30	1.981961102	0.543494102	0.946428456	0.97036084	1.491655298	0.579184811	1.14985327	1.137751029
4/6/2014 2:00	1.902640266	0.5312266	0.910504524	0.931567559	1.428366251	0.565520298	1.108038497	1.094385044
4/6/2014 2:30	1.972429012	0.535735526	0.93454881	0.946639081	1.482917974	0.565046641	1.131416811	1.120883984
4/6/2014 3:00	1.976672386	0.5457817	0.949682284	0.96606342	1.48718597	0.571184397	1.146999047	1.133793016
4/6/2014 3:30	1.977538412	0.545953508	0.949628569	0.96392711	1.488523117	0.571184397	1.146572299	1.134678125
4/6/2014 4:00	1.978487948	0.546125316	0.949574853	0.969296318	1.488337157	0.571184397	1.145270669	1.136356158
4/6/2014 4:30	1.978131723	0.546297124	0.949521138	0.965733046	1.489842311	0.571184397	1.145713035	1.130883819
4/6/2014 5:00	1.978128075	0.546468932	0.949467423	0.966165651	1.488834863	0.571184397	1.147774111	1.131440785
4/6/2014 5:30	1.981613391	0.546640741	0.949413707	0.966598256	1.48910473	0.571184397	1.142843536	1.133665474
4/6/2014 6:00	1.982711424	0.546812549	0.949359992	0.967030861	1.493249834	0.571184397	1.147208502	1.137705906
4/6/2014 6:30	1.983900074	0.546984357	0.949306277	0.967463466	1.493637718	0.571184397	1.146657025	1.139806332
4/6/2014 7:00	1.98248084	0.547156165	0.949252561	0.967896071	1.494793592	0.571184397	1.149448235	1.134917159
4/6/2014 7:30	1.982305697	0.547327973	0.949198846	0.968645673	1.492759253	0.571184397	1.149474505	1.135298763
4/6/2014 8:00	1.982408197	0.547499781	0.949145131	0.967964248	1.495775432	0.571184397	1.144594372	1.135139921
4/6/2014 8:30	1.983338827	0.54767159	0.949091415	0.967033925	1.495044619	0.571184397	1.150294186	1.13336923
4/6/2014 9:00	1.984796107	0.547843398	0.9490377	0.966631119	1.492176907	0.571184397	1.146256143	1.134205759
4/6/2014 9:30	1.983184541	0.548015206	0.948983985	0.966228313	1.494893953	0.571184397	1.146524223	1.1348477
4/6/2014 10:00	1.983687486	0.548187014	0.94893027	0.965825508	1.494161426	0.571184397	1.148584279	1.137437137
4/6/2014 10:30	1.983545672	0.548358822	0.948876554	0.965422702	1.495356861	0.571184397	1.150339316	1.139571531
4/6/2014 11:00	1.982621128	0.54853063	0.948822839	0.963770624	1.490896266	0.571184397	1.149924808	1.139970642
4/6/2014 11:30	1.983886675	0.548702439	0.948769124	0.966069518	1.492804361	0.571184397	1.147662391	1.133273087
4/6/2014 12:00	1.97806224	0.548874247	0.947165708	0.966075597	1.490508071	0.571184397	1.145390857	1.128201569
4/6/2014 12:30	1.980406435	0.549046055	0.945575295	0.966081675	1.489647685	0.571184397	1.141809619	1.13234675
4/6/2014 13:00	1.975246963	0.549217863	0.945534582	0.966087754	1.488181941	0.571184397	1.145359163	1.128931763
4/6/2014 13:30	1.975307284	0.549389671	0.94549387	0.966093832	1.488316521	0.571184397	1.139130785	1.129593068
4/6/2014 14:00	1.976612942	0.54956148	0.945453158	0.966099911	1.486062963	0.571184397	1.138592134	1.129820293
4/6/2014 14:30	1.981824703	0.549733288	0.945412446	0.96677136	1.490259304	0.571184397	1.144463892	1.130150569
4/6/2014 15:00	1.98419885	0.549905096	0.944807195	0.966551697	1.490800935	0.571184397	1.146196463	1.133097096
4/6/2014 15:30	1.989207781	0.550076904	0.944170586	0.965666664	1.493388504	0.571184397	1.146834229	1.130502276
4/6/2014 16:00	1.98523606	0.550248712	0.944098517	0.96478163	1.494768969	0.571184397	1.144374132	1.128594868
4/6/2014 16:30	1.983833348	0.55042052	0.94390567	0.963896596	1.492197027	0.571184397	1.141185849	1.128046177
4/6/2014 17:00	1.982022266	0.550592329	0.94419572	0.966244852	1.487624969	0.571184397	1.141856607	1.132170226
4/6/2014 17:30	1.983065004	0.550764137	0.944606547	0.967809642	1.49087433	0.571184397	1.142596195	1.131152195
4/6/2014 18:00	1.984263865	0.550935945	0.945017374	0.966894084	1.490609211	0.571184397	1.143677604	1.130979813
4/6/2014 18:30	1.984589384	0.551107753	0.945428202	0.966689234	1.492203835	0.571184397	1.145212468	1.126542428
4/6/2014 19:00	1.98705359	0.551279561	0.945839029	0.967009853	1.49429016	0.571184397	1.144819117	1.130421767
4/6/2014 19:30	1.987885665	0.55145137	0.946249856	0.967330472	1.492216266	0.571184397	1.142231524	1.130719076
4/6/2014 20:00	1.987202869	0.551623178	0.946660684	0.967651091	1.495592751	0.571184397	1.146545353	1.132684514
4/6/2014 20:30	1.988253978	0.551794986	0.947071511	0.96797171	1.495781419	0.571184397	1.146503192	1.132325182

Preliminary Data from Central Monitoring System

Date and Time	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
4/6/2014 21:00	1.988288838	0.551966794	0.947482338	0.968292329	1.497163597	0.571184397	1.146328104	1.135306346
4/6/2014 21:30	1.988100281	0.552138602	0.947893166	0.968612948	1.496804981	0.571184397	1.149398558	1.134235923
4/6/2014 22:00	1.993150363	0.55231041	0.948303993	0.969177	1.500382222	0.571184397	1.148940794	1.134983361
4/6/2014 22:30	1.991124438	0.552482219	0.94871482	0.965161205	1.496346466	0.571184397	1.146251081	1.137599114
4/6/2014 23:00	1.98919861	0.552654027	0.949125648	0.965355073	1.499919448	0.571184397	1.149025549	1.137211189
4/6/2014 23:30	1.990295902	0.552825835	0.949536475	0.965562293	1.499429528	0.571184397	1.146412866	1.138028512
4/7/2014 0:00	1.99088438	0.552997643	0.949947302	0.966410155	1.501268792	0.571184397	1.147929913	1.1384799

*in wg - inches of water gauge