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

APR 0 7 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: March 30, 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 March 30, 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,

Original Signatures on File

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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*ED denotes electronic distribution

CBFO:OESH:GB:MN:14-1472:UFC 5486.00

Weekly Status Report for the February 28, 2014, New Mexico Environment Department Administrative Order Required Information Report for the Reporting Period March 24, 2014, through March 30, 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 while the facility is in the recovery operation. 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 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 period, March 24, 2014, through March 30, 2014.

- 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 a 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	Completed 3/26/14	
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Due 3/31/14	No underground inspections due to Fire/Rad event. No personnel allowed in the underground 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	Completed 3/26/14	
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	Underground Pre-Op	No underground inspections due to Fire/Rad event. No personnel allowed in the underground pending finalization and implementation of reentry plans.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Completed 3/30/14	

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
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	Surface Current Completed 3/20/14, 3/28/14	
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031Inspecting for Deterioration and Leaks/Spills	Inspection Current Completed 3/26/14	
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 3/24/14	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	Inspections Current Completed 3/24/14, 3/25/14, 3/26/14	

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Fire and Emergency Response Trucks (Seagrave Fire Apparatus, Emergency One Apparatus)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Inspections Current Completed 3/28/14	
Hazardous Material Response Equipment	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, and Required Equipment	Inspections Current Completed 3/25/14	
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 3/29/14	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment	Inspection Current Completed 3/27/14	
Vehicle Siren	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	Inspections Current Completed 3/27/14, 3/28/14, 3/30/14	
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	Inspections Current Completed 3/27/14 (162-T-034) (41-T-035)	

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
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)	
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 3/27/14 (41-H-012E) (74-H-010B) (41-H-009) (41-H-012D) Push-Pull Attachment Completed 3/27/14 (41-T-160B)	
Surface TRU Mixed Waste Handling Area[k]	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 3/30/14 (Pre-operational) Completed 3/25/14 (Weekly) Completed 3/30/14 (Surge Area)	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment	Completed 12/31/13	
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.

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Inspections Current Completed 3/27/14 (41-T-151C) (41-T-151D)	
Push-Pull Attachment	Waste Handling	Preoperational	WP 05-WH1401 Inspecting for Damage and Deterioration	Inspection Current Completed 3/27/14 (41-T-160B)	
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	Inspection Current Completed 3/27/14 (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)	
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	

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Central Monitoring Systems (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 3/30/14	
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 3/30/14	
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 3/30/14	

System/Equipment Name	Responsible Organization	Inspection a Frequency and Job Title of Personnel Normally Making Inspection	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
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	3/24/14 to 3/26/14*	* 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 3/30/14	Fence line is inspection 8 times in a 24-hour period with no problems detected during the week of March 24, 2014, through March 30, 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 event. No personnel allowed in the underground pending finalization and implementation of reentry plans. Dates of current inspections are shown.

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

DIESEL GENERATOR LOG RCRA DATE: 3/30/14

DIESEL GENERATOR # 1

RUNNING TIME [E]:

PRESTART 870.0 **STOP** 871.3

	MIN	NORM	MAX															
TIME [A]				1045	1105	1120	1135											
REVIEWER				Original Signatures on File														
FOT																		
GENERATOR PARAMETERS [B] [C]																		
KILOWATTS (KW)			1100	0	580	550	540											
VOLTS (V)	470		490	480	480	480	480											
AMPERES (AMPS)			1700	0	650	650	650											
HERTZ (Hz)	58	60	62	60	60	60	59											
ENGINE PARAMETERS [B] [C]																		
JACKET WATER (°F)			200	146	189	191	191											
OIL TEMP IN (°F)			230	134	178	202	203											
OIL TEMP OUT (°F)				135	173	184	184											
ENGINE OIL (PSI)	50			71	60	58	58											
FUEL (PSI)	50		70	60	58	58	58											
FUIL FILTER (PSID)			5	0	0	0	0											
OIL FILTER (PSID)			15	12	14	15	15											
TACHOMETER	1750		1850	1850	1850	1850	1850											
FUEL LEVEL	1/4		3/30/14	3/4	3/4	3/4	3/4											
COOLANT LEVEL		Visible [D]		✓	✓	✓	✓											
CAL DUE DATE				KW - 4/14/14		VOLTS - 4/14/14		AMPS - 4/14/14		Hz - 4/14/14								

NOTES: [A] – READINGS SHALL BE TAKEN EVERY HALF HOUR, EXCEPT WHILE PERFORMING DIESEL OPERABILITY CHECK. ENTER TIME IN 24-HOUR FORMAT.
[B] – GENERATOR READINGS SHALL BE TAKEN ONLY WHEN D/G IS OPERATING UP TO SPEED AND EXCITED.
[C] – CHECK FOR FUEL, OIL, AND COOLANT LEAKS AND SPILLS. NOTE DISCREPANCIES IN THE COMMENTS SECTION.
[D] – IF NORMAL CONDITIONS EXIST, AND THE INSPECTION IS SATISFACTORY, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.
[E] – RECORD ENGINE HOURS (INCLUDING TENTHS), AS INDICATED ON RUNNING TIME METER LOCATED ON ENGINE CONTROL PANEL.

OPERATORS INITIALING THIS LOGSHEET SHALL COMPLETE THE FOLLOWING:

APPROVED FOR USE/DATE: Original Signature on File

NAME (PRINT)	INITIALS	COMMENTS:
Original Signatures on File		GPS/TEST - SAT P.J.P. 3/30/14

SIGNATURE AND DATE IN THIS BLOCK BY A FACILITY SHIFT MANAGER CONSITUTES A VALIDATION OF THIS RECORD.

Original Signature on File 3/30/14

PRINTED NAME SIGNATURE DATE

INFORMATION ONLY

DIESEL GENERATOR LOG

RCRA

DATE: 3/30/14

DIESEL GENERATOR # 2

RUNNING TIME [E]:

PRESTART 694.2 **STOP** 695.6

	MIN	NORM	MAX														
TIME [A]				1305	1320	1335	1350	1405									
REVIEWER				Original Signatures on File													
FOT																	
GENERATOR PARAMETERS [B] [C]																	
KILOWATTS (KW)			1100	0	① 548	① 548	548 ①	548 ①									
VOLTS (V)	470		490	480	480 ②	480 ②	478 ②	477 ②									
AMPERES (AMPS)			1700	0	620	650	650	650									
HERTZ (Hz)	58	60	62	60	60	60	60	60									
ENGINE PARAMETERS [B] [C]																	
JACKET WATER (°F)			200	129	174	183	183	183									
OIL TEMP IN (°F)			230	140	181	204	208	208									
OIL TEMP OUT (°F)				124	162	178	180	180									
ENGINE OIL (PSI)	50			70	60	58	58	58									
FUEL (PSI)	50		70	65	62	61	61	61									
FUIL FILTER (PSID)			5	0	0	0	0	0									
OIL FILTER (PSID)			15	8	9	9	9	9									
TACHOMETER	1750		1850	1802	1802	1802	1802	1801									
FUEL LEVEL	1/4			Full	Full	Full	7/8	7/8									
COOLANT LEVEL		Visible [D]		✓	✓	✓	✓	✓									
CAL DUE DATE				KW - 4/30/14		VOLTS - 4/30/14		AMPS - 4/30/14	Hz - 4/30/14								

INFORMATION ONLY

NOTES: [A] – READINGS SHALL BE TAKEN EVERY HALF HOUR, EXCEPT WHILE PERFORMING DIESEL OPERABILITY CHECK. ENTER TIME IN 24-HOUR FORMAT.
[B] – GENERATOR READINGS SHALL BE TAKEN ONLY WHEN D/G IS OPERATING UP TO SPEED AND EXCITED.
[C] – CHECK FOR FUEL, OIL, AND COOLANT LEAKS AND SPILLS. NOTE DISCREPANCIES IN THE COMMENTS SECTION.
[D] – IF NORMAL CONDITIONS EXIST, AND THE INSPECTION IS SATISFACTORY, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.
[E] – RECORD ENGINE HOURS (INCLUDING TENTHS), AS INDICATED ON RUNNING TIME METER LOCATED ON ENGINE CONTROL PANEL.

OPERATORS INITIALING THIS LOGSHEET SHALL COMPLETE THE FOLLOWING:

APPROVED FOR USE/DATE: Original Signature on File

NAME (PRINT)	INITIALS	COMMENTS:
Original Signatures on File		① oscillating gage, reading approx. amp @ 548 KW 600 KW
		② oscillating gage, reading approx. 480 V., cmp @ 476 V.
		OPS/TEST – SAT P.J.P. 3/30/14

SIGNATURE AND DATE IN THIS BLOCK BY A FACILITY SHIFT MANAGER CONSITUTES A VALIDATION OF THIS RECORD.

PRINTED NAME	SIGNATURE	DATE
	Original Signature on File	3/30/14

A/R SUBMITTED FOR EXCESS VIBRATION, # 1403018 & 1403019

Facility Site Operations and Infrastructure Seismic / Substation #7 / Duct / Fans Round Sheet

Date: 3-24-14 - 3-30-14

Location: BLDG. 413A, AREA SUB #7, & 41-B-700 A & B & C		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															
(413A) SEISMIC PANEL 413A-SMP-004-001																		
413A-SMP-004-001 / POWER ON		ON [B]		✓		✓												
AREA SUBSTATION #7 AND TRANSFORMER																		
NO ABNORMAL CONDITIONS [A]		SAT [B]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
XFMR LIQUID LEVEL	LOW	SAT [B]	HIGH	✓	✓													
XFMR PRESS (kPa)	-2.5		7.5	0	0													
XFMR WINDING HIGH TEMP (`C)	RESET MONDAY		105`	52	55													
XFMR LIQUID HIGH TEMP (`C)	RESET MONDAY		105`	55	55													
UVFS DUCTWORK (NEAR BYPASS DAMPERS)																		
UVFS CONDENSATE CONTAINER LEVEL		[B] [C]	80%	✓	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	✓	✓	✓	✓
UVFS VENTILATION FAN OIL LEVELS																		
700A BRG OIL LEVELS	LOW	[B]	HIGH	✓	✓		✓		✓		✓		✓		✓		✓	
700B BRG OIL LEVELS	LOW	[B]	HIGH	✓	✓		✓		✓		✓		✓		✓		✓	
700C BRG OIL LEVELS	LOW	[B]	HIGH	✓	✓		✓		✓		✓		✓		✓		✓	

NOTES: [A] - THE PRESENCE OF LEAKS, UNUSUAL ODORS, OR NOISES CONSTITUTES AN ABNORMAL CONDITION.

[B] - IF NORMAL CONDITION EXISTS, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.

[C] - WHEN CONTAINER IS 80% FULL, SUBMIT REQUEST FOR DISPOSAL (RFD)

L.D. 032614

COMMENTS: (1) EVALUATION I/P, CAN NOT DETERMINE WATER LEVELS ON ~~3~~ 4 TANKS due to BRATTICE cloth covering TANKS.

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 3-24-14 - 3-30-14

Location:	DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
413, EXHAUST FILTER BLDG.	SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
UVFS FANS	REVIEWER		Original Signatures on File													
	FOT	C/O														

ITEM	MIN	NORM	MAX	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
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	58 3	58 3	57 3	58 3	57 3	58 3	58 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	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	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	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6

INFORMATION ONLY

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 005 (AR #1307583) (3) Reading Taken in CMR (5) Out of Spec (AR #113255) (6) Out of Spec (AR #113256)
(2) Alarm 005 (AR #1307584) (4) Out of Spec (AR #113257)

APPROVED FOR USE/DATE: Original Signature on File

Facility Site Operations and Infrastructure Bldg 458 / 456 Round Sheet

Date: 3-24-14 - 3-30-14

Location:				DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
458, GUARD & SECURITY BUILDING				SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
456, PUMPHOUSE BUILDING				REVIEWER		Original Signatures on File													
				FOT	C/O														
ITEM	MIN	NORM	MAX																
458, GUARD & SECURITY BUILDING																			
412 ODOR ABS MOD FILTER (PDI-07)			0.5		STBY	STBY													
412 ODOR ABS CHAR FILTER (PDI-08)			0.5																
412 ODOR ABS MOD FILTER (PDI-09)			0.5																
403 AHU LOW FILTER (PDI-03)			0.5																
403 AHU MOD FILTER (PDI-04)			0.5																
456-CP-010-01 CONTROL PANEL																			
DOMESTIC WATER PRESS (PIC-01)	60	65	70		65 (1)	65 (1)	66 (1)	66 (1)	66 (1)	66 (1)	67 (1)	65 (1)	66 (1)	66 (1)	66 (1)	66 (1)	66 (1)	66 (1)	65 (1)
456-FIY-010-001 WATER FLOW METER																			
RAW WATER GALLONS		RESET MONDAY [A]			35860		64476												
DOMESTIC WATER GALLONS		RESET MONDAY [A]			52804		53105												
456-FM-045-001 SEWAGE FLOW METER																			
SEWAGE FLOW GALLONS		[B]	23,000		529200 (2)		369600 (2)		339600 (2)		352100 (2)		173100 (2)		109,500 (2)		116800 (2)		105200 (2)
HACH TEST KIT																			
COLORIMETER FREE CL2 (PPM)	0.7	[C]	1.2		.85		1.05		1.0		.98		.96		.98		1.01		1.02

NOTES: [A] - RESET METER AFTER TAKING THE READING ON MONDAY SECOND SHIFT

[B] - REQUIRED FOR COMPLIANCE WITH NMED DISCHARGE PERMIT DP-831 - IF MAX LIMIT OF 23,000 GPD IS EXCEEDED CONTACT FSM

[C] - ADJUST CHLORINE LEVELS BY EITHER ADDING WATER (CHLORINE ABOVE 1.2) OR ADDING CHLORINE (CHLORINE BELOW .7) TO MAINTAIN SPECIFICATIONS

COMMENTS: (1) Out of Cal (AR #1402156)
(2) FSM Notified

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

EA04AD3008-11-0
Rev. 2

June 17, 2013
Page 1 of 1

Location:		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
456, PUMPHOUSE BUILDING		REVIEWER			Original Signatuers on File													
		FOT		C/O														
ITEM	MIN	NORM	MAX															
DOMESTIC WATER STORAGE TANKS																		
01A SOUTH WATER STG TNK LVL LI-01 (456-LT-006-001) [SR 4.1.1.9]	80%	[D]		100	99	100	100	100	100	100	100	100	100	100	100	100	100	100
01A VISUAL INSPECTION [A]		SAT[B][C]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
01B NORTH WATER STG TNK LVL LI-02 (456-LT-006-002)	60%			84	82	100	100	99	99	98	96	95	95	94	94	92	92	91
01B VISUAL INSPECTION [A]		SAT[B][C]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIME OF INSPECTION					1101	2114	1339	2050	0811	2032	0944	1950	0900	2000	0940	2147	1115	2052

NOTES: [A] - IF NORMAL CONDITIONS EXIST, AND THE INSPECTION IS SATISFACTORY, ENTER A CHECK MARK; OTHERWISE NOTE EXISTING CONDITION.
[B] - INSPECT FOR LEAKS, VISIBLE CORROSION, INSULATION INTACT, ETC.
[C] - WHEN A NOTED CONDITION IS CORRECTED, ENTER THE DATE AND NATURE OF REPAIRS; OR OTHER REMEDIAL ACTION TAKEN THAT CORRECTED THE CONDITION.
[D] - LCO REQUIREMENT: LEVEL IN FIRE WATER TANK MUST BE ≥ 105,000 GALLONS (65%). IF NOT IMMEDIATELY NOTIFY FSM. COMPLETE THE SURVEILLANCE DATA SHEET FOR LCO 3.1.1, SURVEILLANCE REQUIREMENT 4.1.1.9, FORWARD THE COMPLETED SURVEILLANCE DATA SHEET TO THE FSM.

COMMENTS: (STATE AR NUMBER SUBMITTED TO CORRECT ABNORMAL CONDITION IF/WHEN KNOWN)

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

OPERATORS INITIALING THIS LOGSHEET SHALL COMPLETE THE FOLLOWING:

NAME (PRINT)	INITIALS	NAME (PRINT)	INITIALS	NAME (PRINT)	INITIALS
Original Signatures on File					

Facility Site Operations and Infrastructure Support Bldg Substation / UPS Round Sheet **RCRA** Date: 3-24-14 - 3-30-14

Location:		DAY		SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
		SHIFT		2	1	2	1	2	1	2	1	2	1	2	1	A	1	2
451, ELEC. EQUIP. RM. 116 CMR		REVIEWER			Original Signatures on File													
		FOT		C/O														
ITEM	MIN	NORM	MAX															
45P-SWG04/1 SUPPORT BUILDING SUBSTATION																		
NO ABNORMAL CONDITIONS [A]		SAT [B]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TR-15/1 XFMR HIGH TEMP (`C)	RESET	MONDAY	170`	60	60													
45P-UPS03/2 SUPPORT BUILDING UPS																		
NORMAL OPERATION LOAD ON UPS		[B]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
AIR CONDITIONER NORMAL OPERATION		[B] [C]		✓ (1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
ALTERNATE SOURCE AVAILABLE		[D]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIME OF INSPECTION					0801	2022	0736	1914	0711	1920	0745	2000	0800	1920	0755	2045	0919	2006
EMERGENCY PHONE CHECK		[E]		✓		✓		✓		✓		✓		✓		✓		✓

NOTES: [A] - THE PRESENCE OF LEAKS, UNUSUAL ODORS, OR NOISES CONSTITUTES AN ABNORMAL CONDITION.

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

[C] - LOW HUMIDITY ALARM IS NOT AN ABNORMAL CONDITION.

[D] - 45P-MCC04/3 CB-23 IS CLOSED

[E] - VERIFY EMERGENCY PHONE LINE HAS A DIAL TONE. IF NOT, CONTACT THE FSM.

INFORMATION ONLY

COMMENTS: (1) Air Conditioner doesn't work (AR #1402949)

APPROVED FOR USE/DATE: Original Signature on File

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

Date: 3-24-14 - 3-30-14

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

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

COMMENTS:

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

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

Date: 3-24-14 - 3-30-14

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	B	1	B
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				-.10	-.11		-.11		-.11		-.08		-.11		-.11		-.12	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.10	-.11		-.10		-.11		-.1		-.12		-.11		-.11	
SITE GEN WASTE RM. PDD-026C "wc				-.04	-.03		-.03		-.02		-.03		-.03		-.03		-.01	
EQUIP DECON RM. PDD-026D "wc				-.09	-.09		-.09		-.08		-.1		-.09		-.09		-.10	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.11	-.11		-.10		-.11		-.12		-.12		-.11		-.11	
CAGE LOADING ROOM PDD-006 "wc				.08	.07		.08		.08		.13		.13		.11		.13	
AIRLOCK ROOM 107 PDD-007 "wc				-.07	-.07		-.06		-.07		-.08		-.07		-.07		-.09	
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	115	117	115	116	116	116	115	115	114	114	116	115	117	115
K-015 AQUADEX INDICATOR		BLUE [A]		✓	✓	✓	✓	✓	✓	✓	✓	—	✓	✓	✓	✓	✓	✓
K-015 AUTO BLOWDOWNS /TEST		SAT [A]		✓		✓		✓		✓		✓		✓		✓		✓
K-015 DRYER MODE		AMLOC [A]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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

COMMENTS:

APPROVED FOR USE/DATE Original Signature on File

INFORMATION ONLY

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

Sample Dates Included – from 3/6/2014 through 3/20/2014

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/6/2014	3/10/2014	8931	South Fenceline	1,1,1-Trichloroethane	71-55-6	2	U
3/6/2014	3/10/2014	8931	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	2	U
3/6/2014	3/10/2014	8931	South Fenceline	1,1-Dichloroethylene	75-35-4	2	U
3/6/2014	3/10/2014	8931	South Fenceline	1,2-Dichloroethane	107-06-2	2	U
3/6/2014	3/10/2014	8931	South Fenceline	Carbon Tetrachloride	56-23-5	2	0.14 J
3/6/2014	3/10/2014	8931	South Fenceline	Chlorobenzene	108-90-7	2	U
3/6/2014	3/10/2014	8931	South Fenceline	Chloroform	67-66-3	2	U
3/6/2014	3/10/2014	8931	South Fenceline	Methylene Chloride	75-09-2	2	U
3/6/2014	3/10/2014	8931	South Fenceline	Toluene	108-88-3	2	0.16 J
3/6/2014	3/10/2014	8931	South Fenceline	Trichloroethylene *	79-01-6	2	U
3/6/2014	3/10/2014	8930	Training Building	1,1,1-Trichloroethane	71-55-6	2	U
3/6/2014	3/10/2014	8930	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	2	U
3/6/2014	3/10/2014	8930	Training Building	1,1-Dichloroethylene	75-35-4	2	U
3/6/2014	3/10/2014	8930	Training Building	1,2-Dichloroethane	107-06-2	2	U
3/6/2014	3/10/2014	8930	Training Building	Carbon Tetrachloride	56-23-5	2	0.14 J
3/6/2014	3/10/2014	8930	Training Building	Chlorobenzene	108-90-7	2	U
3/6/2014	3/10/2014	8930	Training Building	Chloroform	67-66-3	2	0.14 J
3/6/2014	3/10/2014	8930	Training Building	Methylene Chloride	75-09-2	2	U
3/6/2014	3/10/2014	8930	Training Building	Toluene	108-88-3	2	0.18 J
3/6/2014	3/10/2014	8930	Training Building	Trichloroethylene *	79-01-6	2	0.14 J
3/6/2014	3/10/2014	8930	Training Building	Pentane	109-66-0		3.4 NJ
3/7/2014	3/10/2014	8933	South Fenceline	1,1,1-Trichloroethane	71-55-6	2	U
3/7/2014	3/10/2014	8933	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	2	U
3/7/2014	3/10/2014	8933	South Fenceline	1,1-Dichloroethylene	75-35-4	2	U
3/7/2014	3/10/2014	8933	South Fenceline	1,2-Dichloroethane	107-06-2	2	U

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/7/2014	3/10/2014	8933	South Fenceline	Carbon Tetrachloride	56-23-5	2	U
3/7/2014	3/10/2014	8933	South Fenceline	Chlorobenzene	108-90-7	2	U
3/7/2014	3/10/2014	8933	South Fenceline	Chloroform	67-66-3	2	U
3/7/2014	3/10/2014	8933	South Fenceline	Methylene Chloride	75-09-2	2	U
3/7/2014	3/10/2014	8933	South Fenceline	Toluene	108-88-3	2	0.18 J
3/7/2014	3/10/2014	8933	South Fenceline	Trichloroethylene *	79-01-6	2	0.06 J
3/7/2014	3/10/2014	8933	South Fenceline	Pentane	109-66-0		2.88 NJ
3/7/2014	3/10/2014	8932	Training Building	1,1,1-Trichloroethane	71-55-6	2	U
3/7/2014	3/10/2014	8932	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	2	U
3/7/2014	3/10/2014	8932	Training Building	1,1-Dichloroethylene	75-35-4	2	U
3/7/2014	3/10/2014	8932	Training Building	1,2-Dichloroethane	107-06-2	2	U
3/7/2014	3/10/2014	8932	Training Building	Carbon Tetrachloride	56-23-5	2	0.18 J
3/7/2014	3/10/2014	8932	Training Building	Chlorobenzene	108-90-7	2	U
3/7/2014	3/10/2014	8932	Training Building	Chloroform	67-66-3	2	U
3/7/2014	3/10/2014	8932	Training Building	Methylene Chloride	75-09-2	2	U
3/7/2014	3/10/2014	8932	Training Building	Toluene	108-88-3	2	0.18 J
3/7/2014	3/10/2014	8932	Training Building	Trichloroethylene *	79-01-6	2	0.08 J
3/12/2014	3/18/2014	8935	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.14 J
3/12/2014	3/18/2014	8935	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	Chloroform	67-66-3	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/12/2014	3/18/2014	8935	South Fenceline	Toluene	108-88-3	0.4	0.06 J
3/12/2014	3/18/2014	8935	South Fenceline	Trichloroethylene *	79-01-6	0.4	U
3/12/2014	3/18/2014	8934	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/12/2014	3/18/2014	8934	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/12/2014	3/18/2014	8934	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/12/2014	3/18/2014	8934	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/12/2014	3/18/2014	8934	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.32 J
3/12/2014	3/18/2014	8934	Training Building	Chlorobenzene	108-90-7	0.4	U
3/12/2014	3/18/2014	8934	Training Building	Chloroform	67-66-3	0.4	U
3/12/2014	3/18/2014	8934	Training Building	Methylene Chloride	75-09-2	0.4	U
3/12/2014	3/18/2014	8934	Training Building	Toluene	108-88-3	0.4	0.08 J
3/12/2014	3/18/2014	8934	Training Building	Trichloroethylene *	79-01-6	0.4	0.36 J
3/12/2014	3/18/2014	8934	Training Building	Dichlorodifluoromethane	75-71-8		0.42 NJ
3/13/2014	3/18/2014	8937	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.14 J
3/13/2014	3/18/2014	8937	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	Chloroform	67-66-3	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	Toluene	108-88-3	0.4	0.26 J
3/13/2014	3/18/2014	8937	South Fenceline	Trichloroethylene *	79-01-6	0.4	U
3/13/2014	3/18/2014	8937	South Fenceline	Pentane	109-66-0		3.04 NJ
3/13/2014	3/18/2014	8936	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
3/13/2014	3/18/2014	8936	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/13/2014	3/18/2014	8936	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/13/2014	3/18/2014	8936	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/13/2014	3/18/2014	8936	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.12 J
3/13/2014	3/18/2014	8936	Training Building	Chlorobenzene	108-90-7	0.4	U
3/13/2014	3/18/2014	8936	Training Building	Chloroform	67-66-3	0.4	U

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/13/2014	3/18/2014	8936	Training Building	Methylene Chloride	75-09-2	0.4	U
3/13/2014	3/18/2014	8936	Training Building	Toluene	108-88-3	0.4	0.26 J
3/13/2014	3/18/2014	8936	Training Building	Trichloroethylene *	79-01-6	0.4	U
3/13/2014	3/18/2014	8936	Training Building	Pentane	109-66-0		3.02 NJ
3/19/2014	3/24/2014	8939	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.16 J
3/19/2014	3/24/2014	8939	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	Chloroform	67-66-3	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	Toluene	108-88-3	0.4	0.06 J
3/19/2014	3/24/2014	8939	South Fenceline	Trichloroethylene *	79-01-6	0.4	U
3/19/2014	3/24/2014	8939	South Fenceline	Dichlorodifluoromethane	75-71-8		0.42 NJ
3/19/2014	3/24/2014	8938	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
3/19/2014	3/24/2014	8938	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/19/2014	3/24/2014	8938	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/19/2014	3/24/2014	8938	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/19/2014	3/24/2014	8938	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.24 J
3/19/2014	3/24/2014	8938	Training Building	Chlorobenzene	108-90-7	0.4	U
3/19/2014	3/24/2014	8938	Training Building	Chloroform	67-66-3	0.4	U
3/19/2014	3/24/2014	8938	Training Building	Methylene Chloride	75-09-2	0.4	U
3/19/2014	3/24/2014	8938	Training Building	Toluene	108-88-3	0.4	0.06 J
3/19/2014	3/24/2014	8938	Training Building	Trichloroethylene *	79-01-6	0.4	0.26 J
3/19/2014	3/24/2014	8938	Training Building	Dichlorodifluoromethane	75-71-8		0.44 NJ
3/19/2014	3/24/2014	8938	Training Building	Pentane	109-66-0		0.96 NJ
3/20/2014	3/25/2014	8941	South Fenceline	1,1,1-Trichloroethane	71-55-6	0.4	U

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)†	Concentration (ppbv)
3/20/2014	3/25/2014	8941	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	1,1-Dichloroethylene	75-35-4	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	1,2-Dichloroethane	107-06-2	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	Carbon Tetrachloride	56-23-5	0.4	0.1 J
3/20/2014	3/25/2014	8941	South Fenceline	Chlorobenzene	108-90-7	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	Chloroform	67-66-3	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	Methylene Chloride	75-09-2	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	Toluene	108-88-3	0.4	0.24 J
3/20/2014	3/25/2014	8941	South Fenceline	Trichloroethylene *	79-01-6	0.4	U
3/20/2014	3/25/2014	8941	South Fenceline	Pentane	109-66-0		2.72 NJ
3/20/2014	3/24/2014	8940	Training Building	1,1,1-Trichloroethane	71-55-6	0.4	U
3/20/2014	3/24/2014	8940	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	0.4	U
3/20/2014	3/24/2014	8940	Training Building	1,1-Dichloroethylene	75-35-4	0.4	U
3/20/2014	3/24/2014	8940	Training Building	1,2-Dichloroethane	107-06-2	0.4	U
3/20/2014	3/24/2014	8940	Training Building	Carbon Tetrachloride	56-23-5	0.4	0.14 J
3/20/2014	3/24/2014	8940	Training Building	Chlorobenzene	108-90-7	0.4	U
3/20/2014	3/24/2014	8940	Training Building	Chloroform	67-66-3	0.4	U
3/20/2014	3/24/2014	8940	Training Building	Methylene Chloride	75-09-2	0.4	U
3/20/2014	3/24/2014	8940	Training Building	Toluene	108-88-3	0.4	0.22 J
3/20/2014	3/24/2014	8940	Training Building	Trichloroethylene *	79-01-6	0.4	U
3/20/2014	3/24/2014	8940	Training Building	Nonanal	124-19-6		0.56 NJ
3/20/2014	3/24/2014	8940	Training Building	Pentane	109-66-0		2.64 NJ

Qualifiers:

J = Estimated value; below laboratory's method reporting limits (MRL), but above method detection limits (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).

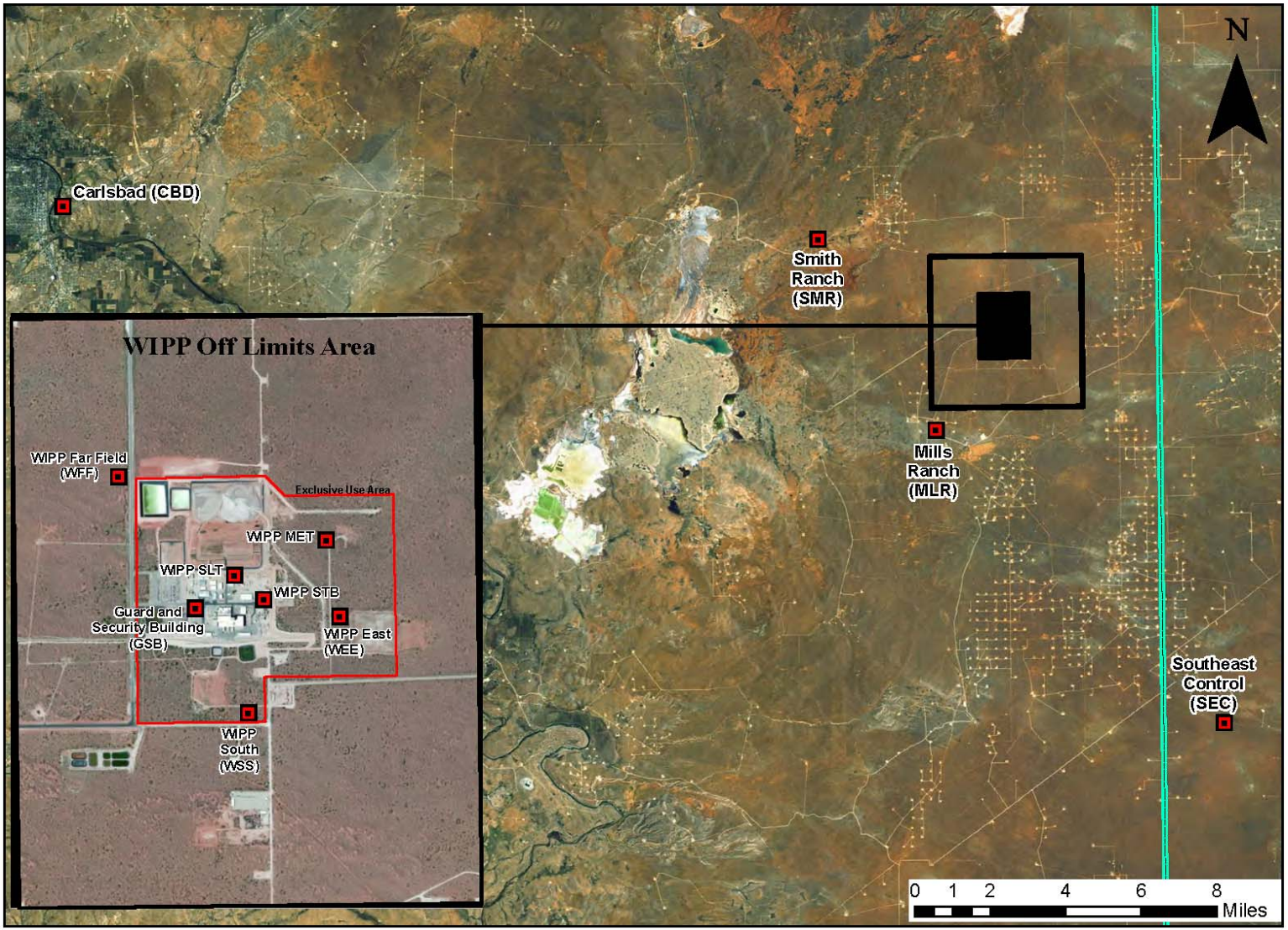
Notes:

* 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.

Wednesday, April 02, 2014

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 3/24/14-3/30/14

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
3/24/2014 0:15	60351	15	83	1.539	129.5	7.651	3.411	142	3.662	4.989	190.9	1.93	3.925	5.765	7.642	1.839	3.717	48.89	-5.848	0.754	897	0
3/24/2014 0:30	60352	15	83	1.395	140.6	7.273	3.433	149.9	4.13	5.435	194	2.563	3.682	5.558	7.633	1.876	3.951	49.88	-5.809	0.699	897	0
3/24/2014 0:45	60353	15	83	1.617	150	9.72	3.956	160.5	5.697	5.975	195.9	1.662	3.616	5.715	7.511	2.1	3.895	50.7	-5.657	0.747	897	0
3/24/2014 1 00	60354	15	83	1.401	148.1	13.31	3.623	160	4.224	6.303	194.7	0.728	3.635	5.444	7.723	1.81	4.089	51.08	-5.543	0.747	897	0
3/24/2014 1:15	60355	15	83	1.261	160.4	10.5	3.53	164.9	5.268	6.541	197.4	1.618	3.016	5.196	7.801	2.18	4.785	53.12	-5.601	0.77	897	0
3/24/2014 1:30	60356	15	83	1.628	169.5	8.81	3.672	169.8	3.852	6.685	199.5	1	3.964	5.296	7.644	1.333	3.681	51.42	-5.15	1.094	897	0
3/24/2014 1:45	60357	15	83	1.796	163.7	9.87	3.751	166.7	5.491	6.559	198.8	0.869	4.496	5.516	7.549	1.02	3.054	49.67	-5.112	1.042	897	0
3/24/2014 2 00	60358	15	83	1.66	145.3	17.53	3.55	157	6.309	5.834	193.8	3.56	4.154	5.518	7.188	1.364	3.034	50.46	-5.222	0.807	896	0
3/24/2014 2:15	60359	15	83	1.628	140.6	8.58	3.678	153.5	2.575	5.775	194.3	1.052	3.377	5.164	7.014	1.787	3.636	52.87	-5.326	0.701	896	0
3/24/2014 2:30	60360	15	83	1.622	140.2	10.79	3.682	154.6	4.491	5.917	193.3	2.134	3.222	4.887	6.817	1.665	3.595	53.54	-5.307	0.677	896	0
3/24/2014 2:45	60361	15	83	1.528	138.3	8.98	3.317	154.6	4.326	5.892	189.1	2.434	2.946	4.676	6.596	1.73	3.65	54.58	-5.312	0.717	896	0
3/24/2014 3 00	60362	15	83	1.214	136.7	10.75	3.084	159	4.283	5.674	186	1.205	2.26	4.415	6.526	2.155	4.266	56.88	-5.41	0.572	895	0
3/24/2014 3:15	60363	15	83	0.951	129.6	18.44	2.829	158.5	4.893	5.809	181.2	2.506	1.716	4.216	6.444	2.5	4.728	58.42	-5.57	0.663	895	0
3/24/2014 3:30	60364	15	83	0.918	121.2	11.47	2.561	149.8	5.889	5.783	175	3.759	1.425	3.836	6.418	2.411	4.993	59.77	-5.542	0.707	895	0
3/24/2014 3:45	60365	15	83	0.703	108.8	50.76	2.922	139.6	7.555	6.192	173.6	2.775	1.206	3.356	6.309	2.15	5.103	60.36	-5.621	0.702	895	0
3/24/2014 4 00	60366	15	83	1.498	133.4	8.28	3.422	143.2	3.91	6.099	171.7	3.011	2.079	3.718	6.221	1.639	4.142	58.34	-5.248	0.979	895	0
3/24/2014 4:15	60367	15	83	1.425	148.1	7.949	3.43	149.3	5.61	6.184	177	3.111	1.885	3.596	6.086	1.711	4.201	57.9	-5.528	0.86	895	0
3/24/2014 4:30	60368	15	83	1.098	139.4	10.78	3.09	151.5	4.599	6.141	175.8	3.499	1.569	3.374	5.786	1.806	4.217	59.66	-5.431	0.715	895	0
3/24/2014 4:45	60369	15	83	1.407	132.9	10.62	3.295	143	6.231	6.14	176.7	2.692	1.389	3.145	5.891	1.756	4.502	60.97	-5.316	0.664	895	0
3/24/2014 5 00	60370	15	83	1.85	132.5	12.88	3.816	136.9	7.842	6.087	172.1	7.519	1.885	3.247	5.867	1.362	3.982	60.82	-4.879	0.917	895	0
3/24/2014 5:15	60371	15	83	1.132	112.2	10.24	2.664	123.4	4.804	5.256	165.1	5.293	1.605	2.861	5.185	1.256	3.58	61.35	-5.03	0.692	895	0
3/24/2014 5:30	60372	15	83	0.917	91.9	30.4	2.759	117.6	8.41	5.033	167.7	4.945	0.942	2.591	5.674	1.649	4.732	64.37	-5.023	0.488	895	0
3/24/2014 5:45	60373	15	83	0.777	91.6	45.66	2.815	115.4	7.111	4.316	171.9	3.438	1.083	2.676	5.997	1.593	4.914	64.53	-4.856	0.734	896	0
3/24/2014 6 00	60374	15	83	1.35	45.74	31.08	2.37	98.9	14.52	3.566	169.5	3.983	0.634	3.174	5.988	2.539	5.353	66.01	-4.987	2.959	896	0
3/24/2014 6:15	60375	15	83	0.931	104.5	31.96	3.082	128.6	3.438	3.968	173.7	2.867	0.704	3.769	5.961	3.065	5.257	67.81	-4.563	13.04	896	0
3/24/2014 6:30	60376	15	83	0.566	70.9	31.44	2.291	122.4	3.8	3.443	180.2	3.155	1.592	3.08	5.83	1.488	4.238	66.8	-3.912	70.1	896	0
3/24/2014 6:45	60377	15	83	1.092	127	15.04	2.261	122.6	6.454	3.819	172.5	4.986	3.803	3.937	5.64	0.134	1.837	61.68	-2.885	131	896	0
3/24/2014 7:15	60379	15	83	1.996	142.5	13.4	2.555	144.5	10.43	3.127	173.7	8.87	6.597	6.113	6.155	-0.484	-0.441	51.65	-2.649	245.9	896	0
3/24/2014 7:30	60380	15	83	2.13	154.5	14.34	2.455	155.5	10.23	2.451	166.9	11.21	7.201	6.692	6.189	-0.509	-1.012	48.79	-2.854	308.1	897	0
3/24/2014 7:45	60381	15	83	1.139	137.4	42.11	1.294	145.3	50.48	1.346	170.7	34.11	7.438	7.109	6.579	-0.328	-0.858	47.53	-2.989	371.2	897	0
3/24/2014 8 00	60382	15	83	1.221	202.3	30.77	1.381	197.7	23.47	1.509	190.7	22.25	8.28	7.86	7.246	-0.423	-1.037	44.72	-3.035	431.2	897	0
3/24/2014 8:15	60383	15	83	1.825	204.8	33.09	2.096	203.6	26.13	2.099	204.6	18.66	8.93	8.26	7.664	-0.67	-1.265	43.78	-2.731	488	897	0
3/24/2014 8:30	60384	15	83	1.822	205.1	30.45	2.137	203.2	25.27	2.325	199	22.7	9.54	8.8	8.13	-0.737	-1.409	42.34	-2.629	544	897	0
3/24/2014 8:45	60385	15	83	1.917	219.4	23.47	2.259	219.9	23.41	2.474	221.5	17.55	10.21	9.43	8.72	-0.781	-1.493	40.27	-2.696	595.1	897	0
3/24/2014 9 00	60386	15	83	2.116	206.7	25.04	2.485	202	21.44	2.637	206.9	17.24	10.73	9.82	9.16	-0.909	-1.567	38.47	-2.847	644.2	897	0
3/24/2014 9:15	60387	15	83	1.819	254.6	22.42	2.27	251.5	15.87	2.41	244	18.6	10.98	10.18	9.54	-0.797	-1.437	37.7	-2.893	687.4	897	0
3/24/2014 9:30	60388	15	83	1.497	244.2	45.23	1.803	235.4	34.77	2.189	236.8	30.35	11.49	10.84	10.11	-0.65	-1.386	37.28	-2.587	730.6	897	0
3/24/2014 9:45	60389	15	83	1.477	227.4	86.6	1.467	219	76.23	1.72	213.4	42.41	12.11	11.38	10.8	-0.726	-1.308	35.47	-2.709	770.7	896	0
3/24/2014 10 00	60390	15	83	1.487	238.8	63.5	1.75	236	54.45	1.781	263.1	28.87	12.78	12.1	11.63	-0.676	-1.146	34.09	-2.653	805	896	0
3/24/2014 10:15	60391	15	83	1.538	294.2	37.53	1.645	295.1	27.62	1.647	301.3	18.92	13.54	13.07	12.52	-0.462	-1.013	32.04	-2.824	833	896	0
3/24/2014 10:30	60392	15	83	1.694	286.1	31.44	1.799	285.1	29.55	2.179	282.6	18.22	14.28	13.66	12.95	-0.615	-1.33	30.5	-2.833	862	896	0
3/24/2014 10:45	60393	15	83	1.594	266.5	53.72	1.77	284	47.67	1.965	290.7	25.88	14.95	14.4	13.71	-0.547	-1.239	29.27	-2.808	890	896	0
3/24/2014 11 00	60394	15	83	2.034	294.8	47.46	2.153	300.3	39.92	2.073	312	31.56	15.59	14.91	14.26	-0.673	-1.326	27.74	-2.982	913	896	0
3/24/2014 11:15	60395	15	83	1.885	335.5	69.17	2.094	334.2	62.84	2.223	316.2	37.12	16.36	15.64	15.05	-0.727	-1.311	25.64	-3.369	933	896	0
3/24/2014 11:30	60396	15	83	1.89	325	46.12	2.165	335.8	41.75	2.377	345.5	27.98	17.23	16.4	15.6	-0.823	-1.622	23.84	-3.603	948	896	0
3/24/2014 11:45	60397	15	83	1.654	306.3	59.01	2.016	300.4	51.49	2.183	303.6	41.26	17.61	17	16.36	-0.611	-1.254	23.01	-3.753	958	895	0
3/24/2014 12 00	60398	15	83	2.028	326.1	49.06	2.468	330.5	43.4	2.745	340.4	37.17	18.9	18.01	17.19	-0.882	-1.71	20.82	-4.02	970	895	0
3/24/2014 12:15	60399	15	83	1.865	295.8	41.55	2.099	297.9	33.67	2.241	320.3	28.67	19.5	18.93	18.2	-0.565	-1.296	19.56	-4.353	974	895	0
3/24/2014 12:30	60400	15	83	1.883	307.5	41.85	2.24	315.9	41.55	2.418	325.8	36.51	20.19	19.58	18.79	-0.612	-1.405	17.66	-5.158	972	895	0
3/24/2014 12:45	60401	15	83	1.848	280.3	63.62	1.871	300.7	64.73	2.218	325.3	32.69	21.01	20.37	19.72	-0.636	-1.289	15.42	-6.254	971	895	0
3/24/2014 13 00	60402	15	83	1.606	299.1	67.02	1.869	296.7	65.14	1.94	304.9	39.81	21.63	21.01	20.51	-0.625	-1.118	14.51	-6.57	962	894	0
3/24/2014 13:15	60403	15	83	3.57	355.9	46.04	4.225	349.1	43.73	4.449	348.2	37.02	23.39	22.05	21.16	-1.342	-2.229	9.72	-10.35	951	894	0
3/24/2014 13:30	60404	15	83	3.397	348.3	29.24	4.373	347.7	19.46	4.697	350.9	18.88	23.55	22.25	21.4	-1.304	-2.151	9.81	-10.09	941	894	0
3/24/2014 13:45	60405	15	83	3.238	336.5	28.97	4.224	337.4	19.63	4.884	338.3	18.11	23.93	22.67	21.84	-1.258	-2.088	9.73	-9.91	941	894	0
3/24/2014 14 00	60406	15	83	2.556	335.7	41.19	2.898	333.7	37.41	3.121	334.7	31.01	23.78	22.68	22.11	-1.102	-1.668	9.49	-10.33	905	893	0
3/24/2014 14:15	60407	15	83	3.103	337.9	26.55	3.953	336.9	25.65	4.603	339.4	19.71	24.32	23.29	22.43	-1.03	-1.896	9.32	-10.17	762.2	893	0
3/24/2014 14:30	60408	15	83	4.049	1.743	24.74	5.442	2.313	21.5	5.833	4.014	16.21	24.46	23.11	22.28	-1.349	-2.178	8.44	-11.3	748.6	893	0
3/24/2014 14:45	60409	15	83	2.754	342.2	30.13	3.598	350	26.03	4.095	353.7	26.26	24.36	23.29	22.47	-1.068	-1.887	8.47	-11.33	781.9	893	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/24/2014 15 00	60410	15	83	2.964	327.9	33.94	3.44	325.1	29.12	3.561	320.9	29.2	24.32	23.4	22.6	-0.919	-1.725	8.66	-11.07	749.9	893	0
3/24/2014 15:15	60411	15	83	2.363	350.9	29.02	3.079	347.8	23.98	3.501	348.6	22.36	24.57	23.51	22.62	-1.063	-1.954	8.47	-11.17	641.6	893	0
3/24/2014 15:30	60412	15	83	2.023	324.3	25.58	2.489	327.6	21.09	2.932	340.3	18.39	24.05	23.45	22.72	-0.603	-1.335	8.39	-11.67	547.7	893	0
3/24/2014 15:45	60413	15	83	3.071	346.7	28.58	3.916	353.1	22.09	4.204	352.8	21.3	24.28	23.48	22.73	-0.806	-1.558	8.47	-11.38	455.2	893	0
3/24/2014 16 00	60414	15	83	1.918	312.1	47.22	2.349	329.1	30.34	2.688	334.8	22.77	23.91	23.44	22.8	-0.471	-1.108	8.52	-11.58	484.5	893	0
3/24/2014 16:15	60415	15	83	1.662	323.5	55.75	1.987	327.2	46.5	2.269	325.9	24.95	24.07	23.64	23.09	-0.426	-0.977	8.36	-11.7	465.6	893	0
3/24/2014 16:30	60416	15	83	2.311	288.7	25.25	2.54	289.8	21	2.502	296.9	15.38	24.22	23.68	23.04	-0.543	-1.174	8.18	-11.87	396.7	893	0
3/24/2014 16:45	60417	15	83	1.43	284.8	37.17	1.618	275.9	33.94	1.66	291	37.19	23.95	23.65	23.18	-0.305	-0.773	8.24	-11.98	328.3	893	0
3/24/2014 17 00	60418	15	83	2.219	342.9	41.31	2.903	342.2	41.51	3.212	344.4	34.73	24.03	23.6	23.04	-0.437	-1	7.896	-12.45	277	893	0
3/24/2014 17:15	60419	15	83	1.639	35.81	26.01	2.029	30.12	19.39	2.148	25.63	16.31	23.88	23.46	22.95	-0.42	-0.926	7.753	-12.78	206	893	0
3/24/2014 17:30	60420	15	83	0.93	348.7	25.79	1.162	357.4	23.98	1.402	7.13	20.18	23.68	23.5	22.98	-0.18	-0.707	7.968	-12.59	139.3	893	0
3/24/2014 17:45	60421	15	83	1.092	324.8	27.25	1.582	328.3	14.1	1.665	324.7	13.4	23.2	23.4	23.08	0.199	-0.12	8.39	-12.31	78.52	893	0
3/24/2014 18 00	60422	15	83	0.885	197.6	13.75	1.542	214.4	35.41	1.816	218.7	17.33	22.31	22.98	22.78	0.671	0.467	9.07	-12.03	34.85	893	0
3/24/2014 18:15	60423	15	83	1.224	202.5	8.52	1.801	216	8.69	1.893	214.3	10.8	20.79	22.87	22.68	2.078	1.892	10.25	-11.64	6.411	893	0
3/24/2014 18:30	60424	15	83	0.465	82.3	73.54	0.947	242.8	15.36	1.215	224.8	12.48	18.23	22.3	22.47	4.072	4.248	12.07	-11.61	0.365	894	0
3/24/2014 18:45	60425	15	83	0.752	88.1	9.63	0.64	171.6	39.98	1.347	209.8	11.45	14.81	21.8	22.46	6.988	7.654	15.18	-11.49	0.171	894	0
3/24/2014 19 00	60426	15	83	1.669	102.8	7.152	2.524	125.8	8.54	2.758	141.1	12.12	16.33	21.74	22.1	5.402	5.768	14.36	-10.96	0.599	894	0
3/24/2014 19:15	60427	15	83	1.709	95.2	5.556	3.158	123	9.52	2.804	158.5	4.156	15.58	21.31	22.23	5.734	6.656	15.19	-10.82	0.513	894	0
3/24/2014 19:30	60428	15	83	2.138	93.9	9.54	4.379	102.7	9.3	4.375	112.5	16.68	16.11	20.88	21.96	4.763	5.846	15	-10.54	0.917	895	0
3/24/2014 19:45	60429	15	83	3.68	85.1	11.52	6.446	87.6	8.82	8.49	92.6	7.488	16.63	18.63	20.68	2	4.049	13	-11.95	1.268	895	0
3/24/2014 20 00	60430	15	83	5.283	85.8	10.75	7.69	85.7	6.734	11.5	89.3	3.435	17.7	18.13	18.68	0.435	0.983	12.79	-11.29	1.511	895	0
3/24/2014 20:15	60431	15	83	5.441	84.6	9.86	7.748	84.3	6.486	12	86.2	2.838	16.73	17.07	17.63	0.343	0.901	14.24	-10.71	1.156	895	0
3/24/2014 20:30	60432	15	83	5.391	89.1	10.81	7.83	88	6.964	12.03	89.6	3.569	16.28	16.61	17.1	0.33	0.827	16.06	-9.55	1.199	896	0
3/24/2014 20:45	60433	15	83	5.13	91.1	11.06	7.56	90.5	7.213	11.75	92.4	3.57	15.8	16.15	16.68	0.344	0.874	17.19	-9.06	1.073	896	0
3/24/2014 21 00	60434	15	83	5.254	90.1	10.9	7.703	89.6	6.857	11.43	91.1	3.83	15.33	15.65	16.05	0.323	0.715	18.03	-8.84	1.135	896	0
3/24/2014 21:15	60435	15	83	6.215	90.2	11.18	8.9	88.9	7.349	12.89	90.3	4.338	14.99	15.23	15.41	0.241	0.413	18.83	-8.56	1.268	896	0
3/24/2014 21:30	60436	15	83	6.542	91.2	10.95	9.27	90.1	7.393	12.98	92.2	4.304	14.49	14.69	14.76	0.199	0.271	20.47	-7.902	1.178	896	0
3/24/2014 21:45	60437	15	83	6.595	92.4	11.37	9.14	91.8	7.092	12.98	93.1	4.495	14.19	14.36	14.36	0.167	0.17	22.05	-7.194	1.22	896	0
3/24/2014 22 00	60438	15	83	6.953	94.2	11.09	9.71	93	7.157	13.2	94.1	4.542	13.81	13.96	13.9	0.151	0.09	23.42	-6.734	1.296	896	0
3/24/2014 22:15	60439	15	83	7.125	92.4	11.31	10.23	92.7	7.145	14.11	93.4	4.471	13.41	13.55	13.48	0.142	0.072	24.91	-6.271	1.258	896	0
3/24/2014 22:30	60440	15	83	7.636	95.5	10.84	10.61	93.9	7.464	14.07	94.2	4.566	13.07	13.18	13.08	0.11	0.005	25.71	-6.14	1.336	897	0
3/24/2014 22:45	60441	15	83	7.479	94.6	11.17	10.6	93.4	7.321	14.19	94.1	4.301	12.67	12.79	12.69	0.122	0.019	26.6	-6.042	1.225	897	0
3/24/2014 23 00	60442	15	83	7.45	92.2	11.17	10.47	91.7	6.967	13.85	93	4.482	12.25	12.35	12.24	0.102	-0.006	27.37	-6.029	1.261	897	0
3/24/2014 23:15	60443	15	83	7.777	88.7	10.75	10.71	88.4	6.693	14.16	89.4	4.547	11.78	11.87	11.73	0.088	-0.058	28.08	-6.096	1.378	897	0
3/24/2014 23:30	60444	15	83	7.72	88.2	10.85	10.84	87.9	7.123	14.39	89.4	4.533	11.3	11.38	11.23	0.077	-0.079	28.72	-6.214	1.23	897	0
3/24/2014 23:45	60445	15	83	7.863	88.8	11.27	10.94	88.2	7.482	14.67	89	4.587	10.92	10.99	10.83	0.07	-0.086	29.23	-6.322	1.453	897	0
3/25/2014 0 00	60446	15	84	7.85	89.7	11.34	11.11	87.9	7.827	14.7	89.3	4.366	10.49	10.56	10.38	0.068	-0.108	29.87	-6.41	1.314	897	0
3/25/2014 0:15	60447	15	84	7.744	88.5	11.02	10.82	87.9	7.656	14.55	89.3	4.616	10.07	10.11	9.93	0.044	-0.135	30.54	-6.487	1.301	897	0
3/25/2014 0:30	60448	15	84	7.829	90.3	11.41	11.03	88.9	7.166	14.48	89.7	4.779	9.68	9.73	9.53	0.048	-0.155	31.37	-6.476	1.365	897	0
3/25/2014 0:45	60449	15	84	7.529	90.9	11.12	10.59	90.3	7.352	14.28	90.9	4.818	9.26	9.31	9.11	0.046	-0.154	32.23	-6.492	1.403	897	0
3/25/2014 1 00	60450	15	84	7.772	87.9	11.3	10.64	88.4	7.823	13.91	89.8	4.802	8.92	8.95	8.73	0.028	-0.186	32.92	-6.517	1.491	897	0
3/25/2014 1:15	60451	15	84	7.163	85.1	10.93	10.22	85.4	7.532	13.52	87.3	4.729	8.54	8.58	8.36	0.044	-0.179	33.79	-6.517	1.323	898	0
3/25/2014 1:30	60452	15	84	7.995	75.78	10.78	10.94	77.12	7.999	13.98	81.5	5.099	8.21	8.22	7.986	0.018	-0.22	34.59	-6.504	1.285	898	0
3/25/2014 1:45	60453	15	84	6.437	65.77	11.49	9.1	66.74	7.619	11.61	72.92	6.336	7.754	7.801	7.571	0.047	-0.183	35.63	-6.518	1.099	898	0
3/25/2014 2 00	60454	15	84	3.904	38.01	35.2	5.292	42.18	29.18	7.504	51.73	22.8	7.34	7.375	7.129	0.036	-0.211	36.57	-6.548	0.742	899	0
3/25/2014 2:15	60455	15	84	2.886	18.62	31.49	4.241	20.61	25.55	5.096	33.41	19.44	6.964	7.114	6.868	0.15	-0.096	37.47	-6.565	0.717	899	0
3/25/2014 2:30	60456	15	84	2.507	31.02	17.88	3.604	32	14.72	5.087	42.93	11.65	6.688	6.808	6.579	0.121	-0.109	37.97	-6.641	0.59	900	0
3/25/2014 2:45	60457	15	84	3.3	43.52	13.05	4.98	45.15	8.93	6.71	50.94	7.472	6.283	6.487	6.333	0.204	0.05	39.2	-6.589	0.776	900	0
3/25/2014 3 00	60458	15	84	2.566	42.66	13.44	4.034	42.41	9.9	6.131	44.79	8.48	5.802	6.016	6.009	0.214	0.206	40.24	-6.684	0.65	900	0
3/25/2014 3:15	60459	15	84	3.101	47.22	13.93	4.688	47.6	9.37	6.982	51.39	6.802	5.501	5.688	5.65	0.187	0.149	41.42	-6.577	0.685	900	0
3/25/2014 3:30	60460	15	84	3.452	44.21	11.47	5.228	44.66	7.327	7.648	48.02	4.771	5.275	5.429	5.385	0.154	0.11	41.5	-6.755	0.814	900	0
3/25/2014 3:45	60461	15	84	3.061	51.04	12.33	4.645	50.71	8.37	6.948	54.26	5.461	4.953	5.075	4.969	0.122	0.016	42.05	-6.878	0.815	900	0
3/25/2014 4 00	60462	15	84	2.772	53.8	13.85	4.18	53.65	9.46	6.632	57.94	5.869	4.682	4.792	4.678	0.109	-0.004	42.71	-6.92	0.718	900	0
3/25/2014 4:15	60463	15	84	3.015	54.62	14.54	4.522	53.83	10.46	6.61	57.67	6.649	4.538	4.615	4.434	0.077	-0.104	43.14	-6.919	0.63	900	0
3/25/2014 4:30	60464	15	84	3.639	54.83	13.75	5.327	52.55	8.61	7.356	58.48	6.06	4.415	4.507	4.335	0.092	-0.08	43.69	-6.868	0.8	900	0
3/25/2014 4:45	60465	15	84	3.534	50.13	14.26	5.421	49.58	9.3	7.435	55.51	6.154	4.352	4.431	4.226	0.079	-0.127	44.12	-6.798	0.923	900	0
3/25/2014 5 00	60466	15	84	3.606	50.35	16.7	5.222	49.56	11.93	7.171	55.7	9.74	4.561	4.508	4.226	-0.053	-0.335	44.17	-6.594	1.133	900	0
3/25/2014 5:15	60467	15	84	2.88	40.93	19.62	4.163	41.27	14.75	5.605	48.81	12.36	4.835	4.667	4.252	-0.168	-0.583	43.71	-6.478	1.026	900	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/25/2014 5:30	60468	15	84	2.344	35.81	23.1	3.402	37.54	14.27	4.664	45.66	11.56	4.93	4.75	4.326	-0.18	-0.604	43.8	-6.364	0.808	901	0
3/25/2014 5:45	60469	15	84	2.043	34.16	16.96	2.98	35.9	13.46	3.692	44.43	13.27	4.96	4.757	4.312	-0.203	-0.648	43.94	-6.296	0.773	901	0
3/25/2014 6 00	60470	15	84	2.365	52.15	16.16	3.366	47.21	11.18	4.255	49.17	10.05	4.89	4.675	4.214	-0.215	-0.676	44.34	-6.242	3.001	901	0
3/25/2014 6:15	60471	15	84	2.576	45.79	18.8	3.764	45.28	13.94	4.697	51.77	12.82	4.758	4.546	4.103	-0.212	-0.655	45.04	-6.158	15.71	901	0
3/25/2014 6:30	60472	15	84	2.397	37.09	20.68	3.598	38.26	15.77	4.429	43.22	13.09	4.626	4.42	3.971	-0.207	-0.655	45.95	-6.018	30.36	901	0
3/25/2014 6:45	60473	15	84	2.19	38.57	44.76	2.873	38.84	32.33	3.591	52.61	23.83	4.781	4.519	4.024	-0.262	-0.757	46.56	-5.701	42.88	901	0
3/25/2014 7 00	60474	15	84	1.958	40.83	50.49	2.623	51.51	42.83	3.332	56.16	30.58	4.86	4.623	4.132	-0.237	-0.728	46.99	-5.508	61.23	902	0
3/25/2014 7:15	60475	15	84	1.99	35.8	50.92	2.501	43.2	47.97	3.262	58.51	31.55	5.174	4.832	4.293	-0.342	-0.881	46.86	-5.255	88.4	902	0
3/25/2014 7:30	60476	15	84	2.411	60.56	43.42	3.046	61.35	30.87	3.711	74.42	27.42	5.448	5.072	4.528	-0.376	-0.919	46.6	-5.079	141.6	902	0
3/25/2014 7:45	60477	15	84	2.791	72.58	27.46	3.883	76.18	20.54	4.989	78.74	17.34	6.058	5.579	4.969	-0.479	-1.089	45.94	-4.708	209.2	902	0
3/25/2014 8 00	60478	15	84	3.235	84.3	22.08	4.328	85.1	16.94	5.187	86.2	15.52	6.471	5.89	5.264	-0.581	-1.207	44.46	-4.764	252	902	0
3/25/2014 8:15	60479	15	84	3.208	92.8	16.72	4.121	91.6	13.99	4.95	96.3	13.56	6.901	6.225	5.606	-0.676	-1.295	43.35	-4.708	261.1	902	0
3/25/2014 8:30	60480	15	84	3.82	102.7	17.88	4.951	102.5	15.41	5.357	99.7	12.72	7.129	6.33	5.653	-0.799	-1.476	42.57	-4.742	294.2	902	0
3/25/2014 8:45	60481	15	84	4.007	101.1	18.05	5.283	100	14.48	5.92	102.2	10.08	7.736	6.765	5.958	-0.971	-1.778	41.18	-4.631	350.6	902	0
3/25/2014 9 00	60482	15	84	3.773	106.9	17.01	4.993	105.1	14.35	5.603	104.7	11.22	8.04	7.153	6.404	-0.883	-1.632	40.84	-4.47	292.3	902	0
3/25/2014 9:15	60483	15	84	3.849	109.5	14.55	5.293	108.1	10.2	5.917	107.3	7.281	8.26	7.33	6.67	-0.934	-1.594	40.76	-4.289	298.9	902	0
3/25/2014 9:30	60484	15	84	4.12	104.4	18.06	5.613	103.3	12.95	6.169	104.3	9.71	8.92	7.899	7.149	-1.018	-1.768	39.7	-4.05	346.1	902	0
3/25/2014 9:45	60485	15	84	3.833	105.3	16.16	5.153	103.7	11.99	5.799	107.1	9.64	8.95	7.982	7.249	-0.972	-1.705	40	-3.919	274.3	902	0
3/25/2014 10 00	60486	15	84	3.886	119.1	14.77	5.341	116.8	10.2	5.859	118.4	8.36	8.92	7.951	7.253	-0.972	-1.67	40.62	-3.742	261.4	902	0
3/25/2014 10:15	60487	15	84	3.96	113.3	15.96	5.269	111.1	13.18	6.045	110.6	9.33	9.09	8.15	7.395	-0.933	-1.693	40.73	-3.554	327.7	902	0
3/25/2014 10:30	60488	15	84	4.068	108.3	17.62	5.395	107.2	13.27	6.269	109.8	10.11	9.37	8.41	7.609	-0.956	-1.759	40.62	-3.34	321.2	902	0
3/25/2014 10:45	60489	15	84	3.927	113.9	17.07	5.268	109.9	13.41	5.903	112.3	10.45	9.57	8.63	7.887	-0.937	-1.68	40.59	-3.17	302.8	901	0
3/25/2014 11 00	60490	15	84	4.235	112.5	18.16	5.66	111	11.89	6.387	111.2	9.1	9.6	8.59	7.869	-1.017	-1.736	40.43	-3.189	310.9	901	0
3/25/2014 11:15	60491	15	84	4.046	102.9	15.66	5.289	103.3	12.31	5.845	106.4	9.89	9.83	8.82	8.11	-1.014	-1.724	40.29	-3.03	342.7	901	0
3/25/2014 11:30	60492	15	84	3.687	122.2	16.23	4.935	119.1	12.59	5.403	116.2	9.62	10.11	9.18	8.47	-0.929	-1.636	40.4	-2.743	328.7	901	0
3/25/2014 11:45	60493	15	84	4.22	114	18.25	5.572	111.5	14	6.103	109.5	10.35	10.4	9.37	8.67	-1.039	-1.736	40.25	-2.529	375.8	900	0
3/25/2014 12 00	60494	15	84	3.991	116.4	17.54	5.11	116.2	15.68	5.89	114.2	13.08	10.64	9.62	8.85	-1.019	-1.795	40.57	-2.208	379.9	900	0
3/25/2014 12:15	60495	15	84	4.042	114.3	17.06	5.23	113.6	13.31	5.948	113.7	10.55	10.96	9.8	9.02	-1.162	-1.937	40.8	-1.847	486	899	0
3/25/2014 12:30	60496	15	84	3.715	118.1	20.47	4.644	114.7	16.94	5.263	114.2	16.85	11.33	10.21	9.45	-1.123	-1.882	40.78	-1.512	471	899	0
3/25/2014 12:45	60497	15	84	3.625	117.7	16.6	4.843	116.2	12.96	5.554	118.7	11	12.06	10.84	10.02	-1.224	-2.048	40.68	-0.887	438.7	899	0
3/25/2014 13 00	60498	15	84	4.457	134.6	17.24	5.996	130.9	14.22	6.881	130.9	11.76	13.04	11.74	10.78	-1.303	-2.264	40.65	-0.016	491	898	0
3/25/2014 13:15	60499	15	84	4.597	146.1	15.93	6.135	141.1	13.31	6.98	140.8	10.12	13.38	12.1	11.24	-1.272	-2.136	42.19	0.798	466.1	898	0
3/25/2014 13:30	60500	15	84	5.073	140.2	16.78	6.947	138.4	13.58	8.05	138.7	10.99	13.89	12.48	11.66	-1.413	-2.237	41.55	1.053	690.7	897	0
3/25/2014 13:45	60501	15	84	4.753	141.4	20.95	6.217	139.4	17.63	7.034	140.4	14.03	15.22	13.6	12.58	-1.619	-2.632	38.19	1.066	879	897	0
3/25/2014 14 00	60502	15	84	4.846	144.3	15.21	6.313	141.4	11.64	7.259	140.8	9.71	15.76	14.15	13.21	-1.611	-2.551	36.36	0.87	832	897	0
3/25/2014 14:15	60503	15	84	4.916	141.7	18.43	6.655	140	14.32	7.618	139.2	12.77	16.47	14.7	13.72	-1.768	-2.747	35.41	1.135	805	896	0
3/25/2014 14:30	60504	15	84	4.933	140.2	16.97	6.596	139.4	13.87	7.505	140.2	12.6	16.98	15.42	14.44	-1.569	-2.547	35.1	1.469	767.9	896	0
3/25/2014 14:45	60505	15	84	4.742	147.6	20.08	6.295	145.3	16.92	7.34	147.4	14.01	17.72	16.17	15.08	-1.545	-2.636	34.38	1.822	732	895	0
3/25/2014 15 00	60506	15	84	5.021	154.1	16.86	6.702	151.8	15.1	7.707	151.6	14.12	18.43	16.98	15.9	-1.454	-2.525	33.49	2.082	696.5	895	0
3/25/2014 15:15	60507	15	84	6.086	149.1	13.72	8.23	147.5	9.46	9.22	148.6	7.123	18.19	16.71	15.73	-1.48	-2.461	33.69	1.96	666.8	895	0
3/25/2014 15:30	60508	15	84	6.126	151	14.8	8.03	148.8	10.4	9.16	147.9	8.44	17.85	16.55	15.64	-1.299	-2.209	34.41	1.952	602.5	895	0
3/25/2014 15:45	60509	15	84	6.452	155	13.82	8.89	153.6	10.86	10.3	153.4	7.81	18.01	16.74	15.79	-1.272	-2.223	34.07	1.962	543.8	894	0
3/25/2014 16 00	60510	15	84	6.461	134.3	15.39	8.93	132.8	10.01	9.83	134.4	9.14	18.06	16.96	16.17	-1.101	-1.896	33.99	1.969	483.3	894	0
3/25/2014 16:15	60511	15	84	5.415	136.5	13.65	7.499	134.8	9.27	8.85	136.7	6.784	17.86	16.85	16.05	-1.015	-1.808	33.7	1.672	424.4	894	0
3/25/2014 16:30	60512	15	84	5.243	133.9	15.81	7.131	132.9	11.9	8.48	134.2	10.09	17.98	17.14	16.34	-0.848	-1.64	33.4	1.656	341.5	894	0
3/25/2014 16:45	60513	15	84	6.063	142.7	13.56	8.39	140.1	10.48	9.63	139.6	8.46	17.91	17.25	16.53	-0.659	-1.377	34.02	1.843	285.6	893	0
3/25/2014 17 00	60514	15	84	5.497	133.6	15.95	7.693	131.7	13.91	9.31	131.1	10.94	17.98	17.39	16.7	-0.591	-1.275	33.68	1.768	245.5	893	0
3/25/2014 17:15	60515	15	84	5.173	127.5	15.13	7.169	126.5	12.12	8.86	130.1	9.15	17.72	17.29	16.66	-0.43	-1.061	34.28	1.79	181.6	893	0
3/25/2014 17:30	60516	15	84	5.168	128.7	12.35	7.252	127	7.915	8.68	126.3	7.274	17.33	17.12	16.66	-0.203	-0.672	35.25	1.827	82.2	893	0
3/25/2014 17:45	60517	15	84	4.028	137.1	12.93	5.929	135.8	9.49	7.866	135.2	6.739	16.89	16.92	16.61	0.033	-0.284	36.92	2.088	31.83	893	0
3/25/2014 18 00	60518	15	84	4.504	147.2	11.46	6.449	144.7	8.19	8.79	145.9	5.58	16.76	16.84	16.62	0.086	-0.14	37.57	2.217	12.42	893	0
3/25/2014 18:15	60519	15	84	4.753	138.5	12.47	6.692	138.1	9.11	8.78	138	5.914	16.43	16.55	16.33	0.12	-0.099	38.03	2.098	4.008	893	0
3/25/2014 18:30	60520	15	84	4.065	134.6	10.83	5.9	132.7	7.165	7.922	132.5	5.108	16.02	16.17	16.02	0.146	-0.006	39.03	2.097	1.206	893	0
3/25/2014 18:45	60521	15	84	3.547	131.6	10.56	5.068	128.2	8.07	7.351	129	4.984	15.81	15.92	15.81	0.113	0.007	39.33	2.009	0.838	893	0
3/25/2014 19 00	60522	15	84	3.618	126.7	10.5	5.041	125.1	7.588	7.253	125.2	4.776	15.68	15.77	15.61	0.091	-0.07	39.07	1.805	0.832	893	0
3/25/2014 19:15	60523	15	84	3.413	123.8	11.19	4.937	122.7	7.18	6.723	123.7	5.079	15.64	15.68	15.48	0.045	-0.161	38.24	1.467	0.805	893	0
3/25/2014 19:30	60524	15	84	2.912	128.3	10.05	4.223	126.7	7.26	5.841	128.9	4.653	15.55	15.59	15.37	0.038	-0.187	37.49	1.116	0.763	894	0
3/25/2014 19:45	60525	15	84	2.509	139.2	11.52	3.641	138.5	8.1	5.339	140.3	6.529	15.4	15.46	15.32	0.061	-0.087	37.71	1.06	0.716	894	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/25/2014 20 00	60526	15	84	3.215	151.7	12.58	4.657	151.7	8.53	6.595	151.9	5.899	15.39	15.58	15.45	0.193	0.054	39.44	1.67	0.626	894	0
3/25/2014 20:15	60527	15	84	3.619	167	11.37	5.238	164.6	9.74	7.05	165.1	7.799	14.76	15.15	15.08	0.386	0.319	45.71	3.099	0.641	894	0
3/25/2014 20:30	60528	15	84	3.766	166.8	12.68	5.583	164.9	10.42	7.926	164.9	10.16	13.14	13.63	13.79	0.487	0.655	63.59	6.386	0.873	895	0
3/25/2014 20:45	60529	15	84	3.943	131.8	13.88	5.751	130.5	10.04	8.05	131.8	8.08	12.8	13	12.99	0.2	0.183	69.11	7.292	1.123	894	0
3/25/2014 21 00	60530	15	84	3.549	103.1	13.28	5.33	103.6	8.87	8.19	112.6	5.52	12.07	12.26	12.58	0.193	0.514	75.15	7.815	0.805	894	0
3/25/2014 21:15	60531	15	84	3.921	97.6	12.19	5.869	100.4	7.915	8.73	113.6	6.209	12.04	12.23	12.69	0.193	0.656	74.95	7.745	0.992	894	0
3/25/2014 21:30	60532	15	84	3.689	113.6	13.77	5.415	112.5	10.03	8.24	119.8	5.454	11.94	12.08	12.29	0.144	0.35	75.42	7.74	0.919	894	0
3/25/2014 21:45	60533	15	84	4.774	124	10.91	7.01	123.5	7.45	9.7	125.2	4.22	12.18	12.31	12.28	0.135	0.099	71.28	7.136	1.109	893	0
3/25/2014 22 00	60534	15	84	5.131	133.6	10.82	7.303	131.1	7.368	9.88	132.5	5.306	11.9	11.98	11.81	0.079	-0.088	67.95	6.186	0.974	894	0
3/25/2014 22:15	60535	15	84	4.749	135.9	10.22	6.668	133.4	7.171	8.9	133.4	5.018	11.65	11.71	11.53	0.064	-0.123	67.58	5.864	0.977	894	0
3/25/2014 22:30	60536	15	84	3.204	128.3	14.05	4.826	127.9	10.56	7.411	130.5	6.58	10.52	10.7	10.66	0.188	0.147	77.51	6.741	0.622	893	0.254
3/25/2014 22:45	60537	15	84	3.155	120.8	11.45	4.98	119.5	7.457	8.23	119.6	3.935	9.99	10.15	10.28	0.159	0.29	85.2	7.632	0.932	893	0
3/25/2014 23 00	60538	15	84	5.209	126.8	10.7	7.576	125.5	6.82	10.7	126	3.462	9.98	10.14	10.23	0.158	0.253	82.9	7.22	1.23	893	0
3/25/2014 23:15	60539	15	84	4.62	128.6	11.32	6.79	126.8	7.421	9.12	126.8	4.869	10.1	10.22	10.16	0.127	0.062	79.85	6.785	1.131	893	0
3/25/2014 23:30	60540	15	84	4.031	118.5	10.96	5.999	116.9	7.254	7.934	119.2	4.444	9.97	10.09	9.94	0.115	-0.036	79.23	6.551	0.941	892	0
3/25/2014 23:45	60541	15	84	4.333	120.5	11.91	6.317	119.8	7.715	8.87	120.8	4.881	9.64	9.8	9.7	0.154	0.059	79.78	6.33	0.845	892	0
3/26/2014 0 00	60542	15	85	4.041	126.1	10.81	6.124	123.6	7.072	8.58	124.1	4.004	9.52	9.67	9.61	0.151	0.098	79.97	6.242	1.037	892	0
3/26/2014 0:15	60543	15	85	4.277	134	11.46	6.187	131.9	7.395	8.8	132.2	5.68	9.56	9.68	9.62	0.117	0.06	79.46	6.195	1.002	892	0
3/26/2014 0:30	60544	15	85	4.281	146.1	10.75	6.389	143.6	6.891	8.89	142.9	4.781	9.69	9.79	9.66	0.106	-0.031	78.26	6.095	1.088	892	0
3/26/2014 0:45	60545	15	85	7.61	134.6	12.37	11	133.6	8.19	15.18	134.4	4.945	9.58	9.67	9.6	0.091	0.014	78.25	5.991	1.293	890	0
3/26/2014 1 00	60546	15	85	6.379	141.8	11.51	8.97	139.3	8.08	11.82	137.2	6.083	9.66	9.77	9.62	0.113	-0.036	76.09	5.66	1.069	890	0
3/26/2014 1:15	60547	15	85	4.466	158.6	14	6.298	155.2	11.49	8.55	151.7	8.33	9.75	9.9	9.73	0.148	-0.021	74.33	5.408	1.029	891	0
3/26/2014 1:30	60548	15	85	2.492	185.9	17.33	3.636	181.7	12.93	5.06	171.8	9.04	9.58	9.84	9.71	0.253	0.127	73.84	5.155	0.676	891	0
3/26/2014 1:45	60549	15	85	0.722	148.3	35.3	1.252	150.8	28.14	2.262	154.5	17.68	9.26	9.66	9.56	0.401	0.299	75.4	5.147	0.42	891	0
3/26/2014 2 00	60550	15	85	1.02	327.9	60.57	1.037	322.8	78.52	1.314	199.1	63.55	8.79	9.58	9.48	0.791	0.692	77.67	5.113	0.29	891	0
3/26/2014 2:15	60551	15	85	2.116	268.7	26.17	3.307	268.9	21.86	4.055	257.5	26.96	9.14	9.56	9.54	0.421	0.398	79.02	5.7	0.921	892	0
3/26/2014 2:30	60552	15	85	1.857	324	15.06	2.708	318.4	10.57	2.704	303	7.577	8.98	9.06	9.38	0.083	0.405	81.5	5.992	0.575	891	0.254
3/26/2014 2:45	60553	15	85	1.337	352.1	18.42	2.344	340.8	15.32	2.544	314	10.9	8.8	8.95	9.39	0.149	0.596	86.3	6.647	0.535	891	0
3/26/2014 3 00	60554	15	85	1.242	46.64	26.83	2.001	38.83	22.09	2.448	8.57	29.42	8.97	8.94	9.25	-0.034	0.279	85.4	6.656	0.635	891	0
3/26/2014 3:15	60555	15	85	1.71	67.6	16.45	2.444	65.95	14.92	1.966	68.81	20.81	9.08	9.11	9.46	0.025	0.374	84.4	6.598	0.581	890	0
3/26/2014 3:30	60556	15	85	1.408	96	16.54	2.06	94	15.97	2.342	102.6	17.72	9.26	9.35	9.36	0.085	0.099	82.1	6.383	0.566	890	0
3/26/2014 3:45	60557	15	85	1.312	111.9	16.11	2.193	110.5	9.79	2.842	121.2	8.43	9.27	9.39	9.33	0.118	0.057	81.9	6.36	0.488	890	0
3/26/2014 4 00	60558	15	85	0.819	63.49	10.8	1.389	92	7.233	2.081	117	5.078	9.08	9.39	9.37	0.312	0.294	83.4	6.428	0.408	890	0
3/26/2014 4:15	60559	15	85	0.996	25.71	14.72	1.628	51.65	13.91	1.656	88.3	16.51	9.01	9.41	9.36	0.407	0.351	85.5	6.721	0.456	890	0
3/26/2014 4:30	60560	15	85	1.061	14.37	12.95	1.989	21.43	7.44	1.494	60.36	16.82	9.08	9.2	9.33	0.114	0.25	86.3	6.924	0.425	890	0
3/26/2014 4:45	60561	15	85	1.633	2.277	14.21	2.781	6.267	9.57	2.198	16.15	7.781	9.25	9.22	9.36	-0.028	0.112	86.6	7.136	0.595	891	0
3/26/2014 5 00	60562	15	85	1.48	26.64	13.92	2.34	24.46	8.93	2.698	26.99	6.691	9.3	9.16	9.33	-0.145	0.034	87.4	7.324	0.62	891	0
3/26/2014 5:15	60563	15	85	1.708	56	18.75	2.691	52.12	13.93	3.107	52.07	12.33	9.34	9.22	9.39	-0.117	0.051	87.4	7.358	0.626	890	0
3/26/2014 5:30	60564	15	85	2.176	72.61	17.35	3.31	72.34	12.12	4.214	76.4	7.619	9.26	9.21	9.23	-0.05	-0.036	87	7.218	0.668	890	0
3/26/2014 5:45	60565	15	85	2.176	73.68	14.66	3.569	72.61	10.51	4.941	76.8	6.463	8.85	9.01	9.12	0.16	0.269	88.5	7.061	0.772	890	0
3/26/2014 6 00	60566	15	85	2.078	84.5	10.19	3.521	83.7	6.61	5.387	87.1	5.968	8.61	8.79	9.16	0.179	0.544	89.3	6.965	5.726	890	0
3/26/2014 6:15	60567	15	85	2.279	98.6	13.18	3.827	98.1	9.08	5.796	101.6	6.632	8.78	8.92	9.31	0.145	0.534	88.4	6.97	21.64	890	0
3/26/2014 6:30	60568	15	85	3.006	118	10.73	4.513	115.9	7.337	7.016	116.4	4.032	9.1	9.14	9.27	0.032	0.17	86.1	6.911	43.25	890	0
3/26/2014 6:45	60569	15	85	3.324	125.4	11.03	4.837	124.1	7.26	7.171	123.5	3.55	9.37	9.33	9.18	-0.039	-0.191	83.6	6.748	69.9	890	0
3/26/2014 7 00	60570	15	85	3.913	129.1	10.89	5.648	127.2	7.179	7.46	126.3	4.394	9.55	9.43	9.1	-0.117	-0.448	82.8	6.773	116.9	890	0
3/26/2014 7:15	60571	15	85	4.381	131.8	10.85	6.102	131	7.119	7.753	129.6	4.219	9.88	9.61	9.14	-0.264	-0.736	81.4	6.844	198	890	0
3/26/2014 7:30	60572	15	85	4.976	131.1	11.34	6.884	129.3	7.62	8.26	130.5	5.936	10.42	9.95	9.33	-0.463	-1.089	78.93	6.927	299.6	890	0
3/26/2014 7:45	60573	15	85	5.474	134.1	11.71	7.536	133	7.146	8.51	134.9	5.007	10.76	10.21	9.57	-0.55	-1.194	76.53	6.814	362.8	890	0
3/26/2014 8 00	60574	15	85	5.31	144.1	11.85	7.366	140.7	8.92	8.59	141.2	5.373	11.18	10.52	9.79	-0.662	-1.391	74.79	6.885	423.7	890	0
3/26/2014 8:15	60575	15	85	4.738	158.1	13.26	6.36	155.1	8.86	7.407	155.4	6.637	11.76	10.9	10.15	-0.856	-1.603	72.85	7.057	480.1	890	0
3/26/2014 8:30	60576	15	85	4.75	164.8	14.75	6.395	162.2	10.65	7.244	162.7	7.632	12.24	11.27	10.5	-0.968	-1.741	70.79	7.101	535.4	890	0
3/26/2014 8:45	60577	15	85	4.734	168.9	13.89	6.324	166.3	10.01	6.967	168.8	8.2	12.91	11.81	11.01	-1.093	-1.899	68.16	7.188	586.9	890	0
3/26/2014 9 00	60578	15	85	4.922	180.6	13.99	6.494	177.4	10.87	7.338	179.3	8.67	13.35	12.17	11.28	-1.179	-2.064	65.75	7.084	631.9	890	0
3/26/2014 9:15	60579	15	85	4.453	186.8	16.83	5.684	182.4	14.79	6.281	183.8	12.27	13.93	12.75	11.96	-1.185	-1.971	63.44	7.12	683.6	890	0
3/26/2014 9:30	60580	15	85	4.185	192	14.44	5.324	189.6	13.38	5.952	190.7	10.96	14.53	13.22	12.24	-1.309	-2.288	61.44	7.209	726.6	890	0
3/26/2014 9:45	60581	15	85	4.23	194.8	16.96	5.39	191.2	14.27	5.978	189.9	11.83	15.08	13.59	12.64	-1.491	-2.438	59.13	7.171	767.8	890	0
3/26/2014 10 00	60582	15	85	4.429	192.5	15.66	5.87	189.7	13.21	6.391	191.1	10.15	16.03	14.42	13.38	-1.604	-2.651	55.75	7.2	807	889	0
3/26/2014 10:15	60583	15	85	4.873	195.7	13.8	6.394	191.7	11.62	7.174	194.7	9.07	16.66	15.02	14.01	-1.637	-2.65	52.98	7.045	842	889	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/26/2014 10:30	60584	15	85	5.259	200.4	17.94	6.779	199.7	14.11	7.541	200.7	9.98	17.25	15.63	14.62	-1.617	-2.628	50.5	6.884	873	889	0
3/26/2014 10:45	60585	15	85	5.484	208	14.03	7.105	204.4	10.5	7.919	205.5	8.22	17.94	16.29	15.24	-1.649	-2.702	47.14	6.527	898	889	0
3/26/2014 11 00	60586	15	85	5.036	224.9	14.63	6.45	222.6	11.91	7.455	222.3	8.19	18.6	17.05	15.8	-1.553	-2.801	44.57	6.311	924	888	0
3/26/2014 11:15	60587	15	85	5.467	219.7	13.79	6.999	218.5	11.43	8.03	219.3	8.35	19.22	17.55	16.42	-1.661	-2.799	42.2	6.077	945	888	0
3/26/2014 11:30	60588	15	85	5.296	230.8	15.72	6.746	226.9	13.15	7.483	224.8	10.85	20.19	18.57	17.53	-1.612	-2.66	39.28	5.907	964	888	0
3/26/2014 11:45	60589	15	85	5.282	233.6	16.55	6.785	231	14.36	7.877	229.3	11.18	21.27	19.59	18.48	-1.673	-2.784	35.53	5.424	987	888	0
3/26/2014 12 00	60590	15	85	5.028	233.9	17.53	6.494	233.4	15.15	7.34	235.2	11.18	22.28	20.66	19.54	-1.619	-2.743	30.72	4.21	982	887	0
3/26/2014 12:15	60591	15	85	5.306	239.8	15.86	6.856	239.9	13.75	8.28	239.5	10.43	23.04	21.31	20.1	-1.73	-2.944	28.4	3.761	969	887	0
3/26/2014 12:30	60592	15	85	6.089	247.6	20.68	8.29	247.4	19.71	9.56	248.6	16.41	22.67	21.27	20.31	-1.402	-2.355	26.39	2.379	774.6	887	0
3/26/2014 12:45	60593	15	85	4.887	258.3	22.36	6.687	257.3	18.9	7.837	260.9	13.5	22.64	21.35	20.44	-1.287	-2.198	25.09	1.66	680.7	886	0
3/26/2014 13 00	60594	15	85	5.91	266.8	19.95	8.18	266.4	17.22	9.62	267.9	16.77	23.63	22.15	21.09	-1.472	-2.535	18.5	-1.707	971	886	0
3/26/2014 13:15	60595	15	85	6.048	254.9	13.66	8.08	255.9	10.39	9.21	257.4	8.39	23.73	22.06	21.01	-1.675	-2.718	17.72	-2.197	976	886	0
3/26/2014 13:30	60596	15	85	5.293	259.2	19.31	7.365	260	17.84	8.4	262	13.99	23.88	22.33	21.35	-1.551	-2.531	18.09	-1.795	928	886	0
3/26/2014 13:45	60597	15	85	5.67	259.8	12.57	8.21	259.9	10.87	9.51	260.8	8.43	24.06	22.41	21.37	-1.654	-2.692	17.06	-2.445	876	885	0
3/26/2014 14 00	60598	15	85	5.271	270.5	14.45	7.764	270.7	11.45	8.93	271.6	10.34	24.38	22.82	21.76	-1.562	-2.625	17.08	-2.166	869	885	0
3/26/2014 14:15	60599	15	85	5.664	254.3	14.4	7.817	253.5	12.79	9	254.5	9.99	24.27	22.77	21.8	-1.501	-2.468	17.02	-2.307	825	885	0
3/26/2014 14:30	60600	15	85	5.282	248.9	14.74	7.127	250.2	12.24	8.34	250.9	11.8	24.27	22.92	21.96	-1.349	-2.309	16.45	-2.765	672.6	885	0
3/26/2014 14:45	60601	15	85	4.673	238.1	18.85	6.205	237.5	16.53	6.878	239.7	14.36	24.46	23.25	22.39	-1.206	-2.063	15.55	-3.417	607.5	884	0
3/26/2014 15 00	60602	15	85	5.371	253.3	16.96	7.654	252.9	14.79	8.78	253.3	13.09	24.9	23.57	22.59	-1.335	-2.311	14.35	-4.095	643.8	884	0
3/26/2014 15:15	60603	15	85	5.304	254.1	15.02	7.454	255.2	12.26	8.67	255.9	9.17	24.64	23.47	22.52	-1.175	-2.118	14.39	-4.258	586.6	884	0
3/26/2014 15:30	60604	15	85	4.012	254.8	15.29	5.553	255.3	12.33	6.334	254.8	10.55	24.59	23.35	22.54	-1.239	-2.05	14.08	-4.595	584.5	884	0
3/26/2014 15:45	60605	15	85	5.127	249.4	13.39	6.94	249.2	11.02	7.887	247.4	10.71	24.04	23.24	22.6	-0.802	-1.44	13.71	-5.375	369.7	884	0
3/26/2014 16 00	60606	15	85	5.132	238.9	13.55	6.829	238.3	13.13	8.43	239.1	11.24	24.63	23.8	23.03	-0.83	-1.601	12.64	-5.98	425.2	884	0
3/26/2014 16:15	60607	15	85	6.52	242.7	12.76	8.61	242.1	10.27	10.02	243.2	8.54	24.63	23.85	23.18	-0.779	-1.451	11.94	-6.733	457.2	883	0
3/26/2014 16:30	60608	15	85	7.345	241.3	13.39	9.81	240.7	11.42	12.23	240	10.23	24.75	24.16	23.45	-0.591	-1.299	11.15	-7.52	386.9	883	0
3/26/2014 16:45	60609	15	85	6.976	234.9	13.02	9.42	233.8	10.91	11.81	235.3	8.5	24.44	24.04	23.44	-0.402	-0.999	10.79	-8.19	266.8	883	0
3/26/2014 17 00	60610	15	85	7.022	245.4	11.68	9.22	244.9	9.61	10.99	242.4	11.17	24.54	24.17	23.62	-0.367	-0.923	10.09	-8.98	275.8	883	0
3/26/2014 17:15	60611	15	85	7.041	243.5	12.08	9.82	244.5	9.78	11.9	245	7.6	24.2	23.95	23.46	-0.246	-0.738	9.78	-9.64	195.3	883	0
3/26/2014 17:30	60612	15	85	6.775	240.9	11.33	9.23	240.5	9.22	11.19	239.1	7.628	23.84	23.74	23.32	-0.105	-0.523	9.55	-10.2	133.5	883	0
3/26/2014 17:45	60613	15	85	5.871	246.1	12.49	8.25	246.9	10.72	10.73	247.8	7.849	23.37	23.42	23.11	0.051	-0.265	8.65	-11.82	78.86	883	0
3/26/2014 18 00	60614	15	85	4.639	247.6	11.84	6.546	247.4	9.18	9.04	248.8	6.177	22.77	22.99	22.82	0.214	0.049	8.51	-12.45	35.52	884	0
3/26/2014 18:15	60615	15	85	4.057	243.7	10.83	5.547	245.2	8.77	8.4	246.8	5.713	22.12	22.5	22.47	0.375	0.351	8.83	-12.49	7.003	884	0
3/26/2014 18:30	60616	15	85	4.297	239.8	10.5	6.025	240.5	8.17	8.36	244.9	6.215	21.75	22.16	22.14	0.409	0.386	9.34	-12.07	1.46	884	0
3/26/2014 18:45	60617	15	85	3.113	243.2	11.38	4.64	242.3	7.903	7.633	247.2	4.724	21.01	21.61	21.9	0.591	0.882	10.1	-11.67	0.826	884	0
3/26/2014 19 00	60618	15	85	1.811	222.8	29.86	3.107	232.3	17.13	6.164	240.5	10.01	19.41	20.49	21.3	1.08	1.888	11.64	-11.14	0.588	884	0
3/26/2014 19:15	60619	15	85	1.019	166.7	10.54	2.288	193.4	7.878	6.14	223.9	3.312	17.33	19.06	21.18	1.725	3.849	13.31	-11.07	0.452	884	0
3/26/2014 19:30	60620	15	85	1.234	164.8	8.86	3.059	178.5	7.105	6.456	223	5.164	15.77	18.06	21.62	2.288	5.847	14.92	-10.89	0.467	884	0
3/26/2014 19:45	60621	15	85	1.711	147.8	16.08	4.587	163.8	7.794	6.151	207.3	6.433	15.07	18.18	21.59	3.119	6.528	16.2	-10.42	0.702	884	0
3/26/2014 20 00	60622	15	85	0.997	129.4	16.24	3.508	143.9	4.421	5.253	195.7	5.36	13.92	16.94	20.87	3.02	6.947	17.55	-10.34	0.539	884	0
3/26/2014 20:15	60623	15	85	0.744	101.9	36.86	2.514	153.8	9.02	6.65	192	3.332	14.34	16.47	19.63	2.131	5.29	16.79	-10.55	0.681	884	0
3/26/2014 20:30	60624	15	85	2.392	175.7	10.28	4.787	170	5.451	9.79	197.1	2.045	15.23	16.99	22.08	1.766	6.848	16.26	-10.27	1.516	884	0
3/26/2014 20:45	60625	15	85	3.241	169.6	9.93	5.591	168	5.491	10.13	192.3	2.624	16.72	17.81	21.88	1.088	5.16	14.22	-10.72	1.417	884	0
3/26/2014 21 00	60626	15	85	3.381	177.7	11	5.539	176.4	7.57	9.87	193.9	4.48	16.84	17.79	20.61	0.95	3.768	14.15	-10.7	1.177	884	0
3/26/2014 21:15	60627	15	85	2.933	188.4	11.04	4.959	185.2	6.616	9.56	195.5	3.201	16.48	17.45	19.91	0.972	3.43	14.65	-10.55	0.989	884	0
3/26/2014 21:30	60628	15	85	2.626	185.3	10.55	4.581	184.7	6.458	9.38	195	3.164	16.21	17.24	19.52	1.034	3.316	14.92	-10.53	0.875	884	0
3/26/2014 21:45	60629	15	85	3.911	168.6	14.87	5.932	166.3	11.42	9.34	171.5	14.54	15.97	16.68	17.98	0.708	2.01	18.32	-8.4	0.947	884	0
3/26/2014 22 00	60630	15	85	5.185	151.1	11.35	7.642	149.9	7.181	10.81	151.9	4.111	14.43	14.57	14.7	0.136	0.264	53.5	4.946	0.966	884	0
3/26/2014 22:15	60631	15	85	4.964	153.4	10.53	7.191	150.8	7.042	10.52	153.6	4.38	13.63	13.78	14.04	0.147	0.408	65.11	7.204	0.923	884	0
3/26/2014 22:30	60632	15	85	4.303	158.6	11	6.295	154.2	7.271	9.75	157.2	4.308	13.21	13.4	13.68	0.188	0.468	67.41	7.315	0.982	884	0
3/26/2014 22:45	60633	15	85	4.803	153.5	10.42	7.063	151.7	6.88	10.26	154.6	4.205	12.56	12.72	12.91	0.155	0.345	71.88	7.632	0.975	884	0
3/26/2014 23 00	60634	15	85	4.63	148.8	10.86	6.73	148	7.615	9.67	152	4.589	12.08	12.22	12.32	0.143	0.242	75.39	7.871	0.941	884	0
3/26/2014 23:15	60635	15	85	4.381	150.6	10.48	6.4	148.8	7.453	9.39	153.2	4.541	11.89	12	12.1	0.108	0.211	77.93	8.17	0.962	884	0
3/26/2014 23:30	60636	15	85	4.462	155	11.51	6.494	153	8.03	9.96	156.5	4.032	11.84	11.98	12.22	0.136	0.376	77.82	8.11	1.104	884	0
3/26/2014 23:45	60637	15	85	4.53	151.1	11.31	6.705	150.1	7.537	9.86	154.3	4.053	11.82	11.94	12.1	0.124	0.282	77.55	8.03	1.019	884	0
3/27/2014 0 00	60638	15	86	3.971	151.8	11.59	5.755	149.2	7.831	8.83	153.6	4.826	11.65	11.78	11.88	0.136	0.235	78.48	8.04	0.961	884	0
3/27/2014 0:15	60639	15	86	3.314	144.5	13.51	5.052	147	9.35	8.03	155.3	5.738	11.84	12.11	12.28	0.271	0.439	75.39	7.633	0.799	884	0
3/27/2014 0:30	60640	15	86	3.501	144	13.94	5.183	145.6	10.22	7.901	154.1	5.816	11.99	12.15	12.19	0.161	0.195	73.6	7.429	0.924	884	0
3/27/2014 0:45	60641	15	86	2.29	122.6	17.89	3.645	129.8	12.78	6.375	144.6	9.64	11.77	12.01	12.26	0.242	0.497	74.28	7.35	0.662	884	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/27/2014 1 00	60642	15	86	1.756	97.4	27.75	2.872	104.8	18.76	5.497	126.5	11.06	11.39	11.62	12.03	0.231	0.64	76.25	7.363	0.691	884	0
3/27/2014 1:15	60643	15	86	2.907	162.1	15.19	4.385	155.5	11.14	6.879	157	9	12.52	12.99	13.37	0.471	0.849	66.46	6.437	0.989	884	0
3/27/2014 1:30	60644	15	86	3.558	160.5	12.95	5.364	157.9	8.78	8.16	163.4	6.267	12.85	13.31	13.89	0.455	1.036	61.71	5.692	1.02	884	0
3/27/2014 1:45	60645	15	86	3.292	152.7	15.33	4.926	152	11.39	7.554	158.1	6.914	12.3	12.7	13.11	0.397	0.81	64.77	5.864	0.805	884	0
3/27/2014 2 00	60646	15	86	2.214	143.1	15.64	3.65	143.6	10.9	5.833	153.5	7.206	11.72	12.2	12.55	0.479	0.828	68.98	6.229	0.7	884	0
3/27/2014 2:15	60647	15	86	1.718	146.6	18.44	2.761	144.5	13.12	5.017	154	7.979	11.46	12.12	12.54	0.654	1.082	69	5.984	0.581	884	0
3/27/2014 2:30	60648	15	86	1.062	153.9	19.12	2.157	152.9	10.61	4.441	161.3	5.953	10.73	11.52	12.13	0.792	1.395	71.94	5.884	0.512	884	0
3/27/2014 2:45	60649	15	86	1.789	159	23.27	3.088	162.6	13.61	5.329	173.7	10	10.31	11.19	11.65	0.884	1.344	75.75	6.224	0.701	884	0
3/27/2014 3 00	60650	15	86	1.442	171.6	25.6	2.767	176.1	11.1	4.995	184.5	7.589	9.78	10.69	11.34	0.915	1.561	79.68	6.44	0.614	884	0
3/27/2014 3:15	60651	15	86	1.863	142.4	19.28	3.254	156.4	10.33	4.587	177.5	7.746	9.27	10.81	11.29	1.538	2.02	82.1	6.378	0.636	884	0
3/27/2014 3:30	60652	15	86	2.246	166	21.84	3.873	162.3	11.2	5.36	178.8	8.1	9.54	10.76	11.67	1.221	2.124	80.5	6.355	0.757	884	0
3/27/2014 3:45	60653	15	86	1.468	155.6	60.34	2.522	166.8	31.1	4.105	192	18.38	10.07	11.34	12.55	1.266	2.481	75.17	5.877	0.725	884	0
3/27/2014 4 00	60654	15	86	1.113	31.71	51.45	1.007	52.82	84.5	1.662	209.4	30.98	8.71	11.4	12.98	2.697	4.272	75.5	4.619	0.267	885	0
3/27/2014 4:15	60655	15	86	1.96	42.44	20.89	2.501	50.42	18.09	1.631	279.1	54.92	7.307	11.52	14.09	4.211	6.78	80.7	4.218	0.372	885	0
3/27/2014 4:30	60656	15	86	1.928	20.03	40.67	3.364	354.8	45.26	4.6	298.6	12.99	8.83	13.41	16.88	4.583	8.05	71.64	3.8	0.779	885	0
3/27/2014 4:45	60657	15	86	2.699	294	19.88	4.251	287.2	12.96	7.011	277.3	8.98	14.57	16.79	17.97	2.228	3.408	32.94	-1.822	2.519	885	0
3/27/2014 5 00	60658	15	86	2.997	278.4	13.64	5.074	276.7	9.78	6.954	276.9	7.43	16.25	17.33	17.77	1.088	1.52	22.24	-5.364	1.469	885	0
3/27/2014 5:15	60659	15	86	3.27	279.5	11.48	5.361	278.6	8.2	8.13	277.8	6.064	16.15	17.02	17.61	0.867	1.452	21.01	-6.195	0.908	886	0
3/27/2014 5:30	60660	15	86	3.743	272.7	10.55	6.344	273	6.842	9.01	274.5	4.607	16.62	17.34	17.9	0.717	1.275	18.63	-7.357	1.042	886	0
3/27/2014 5:45	60661	15	86	2.993	270.5	9.59	5.397	271.1	6.567	8.57	274.6	3.715	16.02	16.84	17.74	0.814	1.719	19.17	-7.485	1.438	886	0
3/27/2014 6 00	60662	15	86	3.062	277.9	9.59	5.448	278.3	6.188	8.63	280.4	3.842	15.75	16.58	17.8	0.827	2.047	19.89	-7.23	4.614	886	0
3/27/2014 6:15	60663	15	86	3.425	282.8	10.43	5.503	282.7	7.492	8.78	282.8	5.024	16.08	16.79	17.76	0.713	1.68	19.45	-7.247	21.27	886	0
3/27/2014 6:30	60664	15	86	4.037	291.4	11.65	5.258	290.1	7.743	9.32	287.9	4.193	16.49	16.9	17.46	0.409	0.968	19.18	-7.084	55.9	887	0
3/27/2014 6:45	60665	15	86	4.22	312.4	17.71	5.188	310.9	16.43	7.111	307.2	14.91	16.79	16.98	17.13	0.189	0.341	19.01	-6.959	131.6	887	0
3/27/2014 7 00	60666	15	86	3.922	325.7	10.81	5.719	323.3	8.63	6.593	316.7	6.121	16.55	16.81	16.99	0.258	0.435	19.18	-7.036	131.9	887	0
3/27/2014 7:15	60667	15	86	3.715	319.3	11.95	5.191	316.7	7.924	5.34	310.1	5.138	16.09	16.38	16.87	0.29	0.777	20.02	-6.864	92.3	887	0
3/27/2014 7:30	60668	15	86	3.806	311.4	12.28	4.508	308.6	8.49	5.17	305.8	5.301	16.47	16.51	16.67	0.04	0.198	20.4	-6.311	249.3	887	0
3/27/2014 7:45	60669	15	86	5.305	300.5	12.59	5.764	300.7	8.63	6.087	301.7	6.95	18.11	17.81	17.29	-0.307	-0.825	18.2	-6.436	396	887	0
3/27/2014 8 00	60670	15	86	6.65	298.8	12.82	7.505	297.2	9.33	8.73	297.6	7.101	18.62	18.19	17.63	-0.434	-0.99	17.34	-6.65	460.2	887	0
3/27/2014 8:15	60671	15	86	7.703	289.4	13.79	9.95	288.6	9.56	12.47	289.4	7.591	19.11	18.56	17.92	-0.545	-1.191	16.54	-6.864	514	887	0
3/27/2014 8:30	60672	15	86	7.517	289	11.83	9.45	288.9	8.36	11.9	290.5	6.257	19.46	18.82	18.08	-0.642	-1.377	16.16	-6.883	568.2	887	0
3/27/2014 8:45	60673	15	86	7.569	283.6	12.59	10.33	283.7	9.37	13.1	285.1	7.475	19.66	18.89	18.07	-0.767	-1.585	15.96	-6.89	620.7	887	0
3/27/2014 9 00	60674	15	86	7.593	278.9	11.86	11.17	279	8.95	13.26	280.2	8.05	20.04	19.17	18.3	-0.87	-1.739	15.54	-6.928	668.9	887	0
3/27/2014 9:15	60675	15	86	7.265	279.4	13.1	10.68	279.9	9.82	13.03	280.4	8.04	20.4	19.41	18.46	-0.988	-1.931	15.62	-6.57	714.3	887	0
3/27/2014 9:30	60676	15	86	7.073	274.1	11.39	11.06	275.5	8.71	13	278.4	7.117	20.71	19.6	18.65	-1.105	-2.057	15.32	-6.579	757.6	887	0
3/27/2014 9:45	60677	15	86	8.17	279.9	12.36	12.06	279.9	8.21	14.53	281.3	5.992	21.04	19.93	18.93	-1.107	-2.115	14.68	-6.863	798.4	887	0
3/27/2014 10 00	60678	15	86	7.304	275.7	10.34	11.56	276	7.451	13.84	277.5	5.901	21.42	20.22	19.15	-1.199	-2.267	14.25	-6.955	835	887	0
3/27/2014 10:15	60679	15	86	8.02	272.1	12.19	12.11	273.7	9.24	14.29	276.8	7.049	21.62	20.44	19.4	-1.18	-2.219	13.81	-7.199	867	887	0
3/27/2014 10:30	60680	15	86	7.437	270.5	11.24	11.58	271	8.34	13.35	271.5	6.667	21.85	20.55	19.46	-1.297	-2.391	13.86	-6.968	898	887	0
3/27/2014 10:45	60681	15	86	7.867	266	12.01	11.62	266.8	9.53	13.5	269	8.84	22.05	20.72	19.57	-1.34	-2.484	13.81	-6.849	925	887	0
3/27/2014 11 00	60682	15	86	7.525	266	11.57	11.49	267.5	9.64	13.3	268.3	8.2	22.5	21.1	19.92	-1.395	-2.579	13.25	-7.041	949	887	0
3/27/2014 11:15	60683	15	86	8.22	270.3	13.06	12.44	270.9	10.22	14.2	274.6	8.11	22.89	21.51	20.39	-1.376	-2.499	12.17	-7.841	968	887	0
3/27/2014 11:30	60684	15	86	7.859	277	12.64	11.69	277.8	10.26	13.85	277.4	8.73	22.92	21.5	20.34	-1.426	-2.586	12.26	-7.715	984	887	0
3/27/2014 11:45	60685	15	86	7.624	270	15.94	11.09	270.7	12.9	13.2	272.8	9.56	23.38	21.95	20.72	-1.427	-2.655	11.93	-7.708	995	887	0
3/27/2014 12 00	60686	15	86	7.714	269.2	13.59	11.06	270.5	11.01	13.14	272.7	9.63	23.73	22.32	21.11	-1.407	-2.621	11.47	-7.949	999	887	0
3/27/2014 12:15	60687	15	86	7.84	275.7	12.37	11.51	275.6	9.94	13.7	277.4	8.36	24.13	22.71	21.52	-1.415	-2.605	10.91	-8.29	1002	886	0
3/27/2014 12:30	60688	15	86	7.922	266.7	17.15	11.63	266.9	14.7	13.69	269.7	12.33	24.27	22.76	21.54	-1.503	-2.72	10.68	-8.46	1001	886	0
3/27/2014 12:45	60689	15	86	7.806	270.6	11.57	12.14	271.3	9.05	14.17	273.5	7.844	24.25	22.71	21.44	-1.534	-2.807	10.54	-8.64	993	886	0
3/27/2014 13 00	60690	15	86	8.38	254.5	13.87	12.06	256.4	11.87	14	259.4	9.53	24.09	22.61	21.39	-1.481	-2.701	11.08	-8.11	981	886	0
3/27/2014 13:15	60691	15	86	8.35	263.3	14.94	12.23	263.2	12.22	14.24	264.4	10.81	24.27	22.84	21.64	-1.431	-2.636	10.9	-8.19	964	886	0
3/27/2014 13:30	60692	15	86	7.804	264	12.88	11.44	265.5	10.11	13.2	267.4	9.78	24.63	23.19	22.02	-1.44	-2.614	10.77	-8.06	941	886	0
3/27/2014 13:45	60693	15	86	8.27	267	12.61	12.59	268	10.08	14.92	269.8	7.764	24.37	22.96	21.62	-1.418	-2.752	10.94	-8.06	914	886	0
3/27/2014 14 00	60694	15	86	8.52	270.8	15.1	12.55	271.7	12.77	14.47	272.7	10.64	24.21	22.84	21.7	-1.377	-2.511	11.15	-7.945	880	886	0
3/27/2014 14:15	60695	15	86	7.951	279.5	14.31	11.21	278.7	11.75	13.18	277.8	10.04	24.55	23.24	22.15	-1.312	-2.398	11.09	-7.751	845	886	0
3/27/2014 14:30	60696	15	86	7.615	270.6	14.89	11.28	270.5	12.49	13.62	272.9	9.83	24.52	23.2	21.98	-1.326	-2.545	11.12	-7.738	800	886	0
3/27/2014 14:45	60697	15	86	8.29	259.5	12.71	11.98	260.4	9.66	14.38	262.4	7.109	24.46	23.2	22.01	-1.258	-2.448	11.29	-7.586	763.1	886	0
3/27/2014 15 00	60698	15	86	7.342	272.8	12.4	11.33	273.3	9	13.41	275	6.881	24.41	23.22	22.14	-1.193	-2.271	11.27	-7.645	706.6	885	0
3/27/2014 15:15	60699	15	86	7.023	273.8	12.71	10.46	275.6	10.14	12.2	278.5	10.17	24.6	23.47	22.49	-1.134	-2.118	10.67	-8.23	656.4	885	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/27/2014 15:30	60700	15	86	7.269	272.3	16.59	10.58	272.8	14.24	12.72	274	13.08	24.55	23.51	22.59	-1.049	-1.963	10.07	-8.99	596.9	885	0
3/27/2014 15:45	60701	15	86	8.29	262.5	13.4	12.27	263.3	10.41	14.32	264.3	8.12	24.6	23.68	22.73	-0.923	-1.871	9.88	-9.2	539.3	885	0
3/27/2014 16 00	60702	15	86	7.194	275.5	11.57	11.01	274.8	9.62	13.59	276.3	8.11	24.58	23.75	22.9	-0.832	-1.686	9.61	-9.56	490.6	885	0
3/27/2014 16:15	60703	15	86	7.289	270.6	13.42	11.23	271.3	10.19	13.56	273.9	9.32	24.55	23.82	22.96	-0.728	-1.586	9.66	-9.52	444.5	885	0
3/27/2014 16:30	60704	15	86	6.95	265.2	11.77	10.6	266.2	9.01	12.75	268.7	7.136	24.42	23.76	22.98	-0.663	-1.441	9.59	-9.71	395.6	885	0
3/27/2014 16:45	60705	15	86	6.403	270	12.77	9.91	270	10.25	12.01	271.6	8.07	24.28	23.72	23.01	-0.563	-1.272	9.72	-9.64	334.9	885	0
3/27/2014 17 00	60706	15	86	6.215	263.5	15.9	9.43	263.7	13.89	11.21	266.1	11.17	24.08	23.62	23.04	-0.457	-1.039	9.73	-9.79	270	885	0
3/27/2014 17:15	60707	15	86	5.911	258.4	13.01	8.57	259	11.14	10.24	259.8	10.62	23.92	23.62	23.1	-0.296	-0.823	9.75	-9.89	201.5	885	0
3/27/2014 17:30	60708	15	86	5.416	249.3	12.8	7.539	250.2	9.71	9.66	251.1	7.075	23.54	23.38	22.93	-0.154	-0.606	10.13	-9.68	139	885	0
3/27/2014 17:45	60709	15	86	5.42	253.3	11.4	7.648	253.6	9.23	9.98	254	5.492	23.16	23.18	22.85	0.015	-0.312	10.41	-9.63	83.9	885	0
3/27/2014 18 00	60710	15	86	4.037	253.4	10.92	5.815	254.1	7.461	8.23	254.4	4.812	22.59	22.82	22.67	0.225	0.078	10.8	-9.6	38.62	885	0
3/27/2014 18:15	60711	15	86	2.585	258.2	9.95	4.159	257.8	6.738	6.801	259.1	3.196	21.51	22.07	22.34	0.557	0.827	11.93	-9.18	10.05	885	0
3/27/2014 18:30	60712	15	86	1.462	257.7	13.5	3.124	263.9	7.531	6.012	266.5	4.221	19.83	21.09	22.03	1.259	2.203	14.03	-8.43	1.089	886	0
3/27/2014 18:45	60713	15	86	1.443	211.4	25.91	2.331	229.4	16.71	4.75	251.9	5.969	19.17	20.72	21.6	1.546	2.425	14.99	-8.1	0.424	886	0
3/27/2014 19 00	60714	15	86	1.905	198.4	11.14	3.204	222.1	8.4	4.342	252.8	7.427	17.84	20.42	20.91	2.576	3.07	15.8	-8.49	0.663	886	0
3/27/2014 19:15	60715	15	86	1.91	214.5	9	3.214	229.3	9.73	4.603	259.6	9.53	17.88	20.1	20.53	2.216	2.652	16.01	-8.28	0.792	886	0
3/27/2014 19:30	60716	15	86	1.862	247	10.76	3.026	251.3	8.26	5.702	273	6.179	18.64	19.86	20.4	1.217	1.763	14.97	-8.54	0.818	886	0
3/27/2014 19:45	60717	15	86	1.548	254.6	10.44	3.008	260.4	7.642	7.025	279.1	3.809	17.79	19.3	20.46	1.513	2.672	15.93	-8.43	0.729	886	0
3/27/2014 20 00	60718	15	86	1.263	227.8	13.39	2.401	250	9.65	7.003	279.5	3.609	16.87	18.6	20.38	1.731	3.507	17.01	-8.33	0.675	887	0
3/27/2014 20:15	60719	15	86	1.566	250.1	16.71	3.165	257.6	10.77	7.398	277.8	3.887	17.01	18.95	20.46	1.943	3.453	17.49	-7.851	0.886	887	0
3/27/2014 20:30	60720	15	86	1.579	255.1	10.98	3.296	259	7.122	7.91	274.6	2.436	17.25	19	21.2	1.753	3.953	17.4	-7.727	0.891	887	0
3/27/2014 20:45	60721	15	86	1.336	270.3	6.735	3.545	267.6	4.452	8.18	272.4	1.862	17.06	19.15	21.47	2.088	4.404	17.7	-7.653	0.672	887	0
3/27/2014 21 00	60722	15	86	1.852	275.7	9	4.332	272.5	5.501	8.42	274.9	1.474	17.69	19.26	21.51	1.57	3.827	17.22	-7.502	0.901	887	0
3/27/2014 21:15	60723	15	86	2.583	278.6	8.59	5.228	277.4	5.016	8.7	279.4	1.618	18.23	19.59	21.44	1.355	3.201	16.85	-7.338	1.088	887	0
3/27/2014 21:30	60724	15	86	2.336	276.9	9.07	4.971	276.5	5.107	8.11	280.5	0.715	18.25	19.58	21.29	1.33	3.038	16.82	-7.345	0.889	887	0
3/27/2014 21:45	60725	15	86	2.363	279.6	8.48	4.894	279.7	4.533	7.86	281	1.761	17.84	19.36	21.21	1.513	3.365	17.44	-7.211	0.854	887	0
3/27/2014 22 00	60726	15	86	2.092	278.2	8.27	4.69	278.6	4.776	7.43	279.3	0.684	17.74	19.39	21.08	1.649	3.341	17.9	-6.955	0.717	887	0
3/27/2014 22:15	60727	15	86	2.64	280.9	8.09	5.202	279.6	4.301	7.867	282.4	1.913	17.43	18.96	20.95	1.529	3.519	18.42	-6.843	0.829	887	0
3/27/2014 22:30	60728	15	86	3.046	284.7	9.4	5.319	284.8	5.451	8.62	287.3	1.489	17.69	18.87	20.93	1.175	3.237	18.5	-6.563	0.988	887	0
3/27/2014 22:45	60729	15	86	3.242	286	9.78	5.252	286	5.501	9.03	288.7	0.974	17.85	18.71	20.89	0.861	3.037	18.25	-6.613	0.968	887	0
3/27/2014 23 00	60730	15	86	3.322	289.9	9.85	4.979	287.9	6.112	8.79	289.5	1.926	17.51	18.3	20.64	0.787	3.125	18.75	-6.538	0.899	887	0
3/27/2014 23:15	60731	15	86	3.418	291.1	10.26	5.094	288.2	6.517	9.35	290.1	1.004	17.49	18.19	20.45	0.707	2.965	18.88	-6.47	0.999	887	0
3/27/2014 23:30	60732	15	86	2.688	280	12.24	4.582	282.6	7.517	9.15	289.6	1.6	17.26	17.91	20.28	0.647	3.015	19.2	-6.435	1.008	887	0
3/27/2014 23:45	60733	15	86	1.877	208.7	31.05	3.235	213.3	41.24	6.003	253.8	28.65	15.99	16.77	18.76	0.776	2.77	20.59	-6.602	0.556	887	0
3/28/2014 0 00	60734	15	87	1.764	209.7	26.88	2.934	207.9	28.19	4.585	239.1	20.68	15.13	16.34	17.91	1.203	2.774	22.67	-6.046	0.552	888	0
3/28/2014 0:15	60735	15	87	0.886	174.6	30.16	1.874	227.7	11.84	5.071	264.6	7.485	14.47	16.75	18.43	2.284	3.967	23.36	-6.208	0.628	887	0
3/28/2014 0:30	60736	15	87	0.815	145.7	39.31	1.485	206.3	17.51	5.177	267.2	6.418	13.66	16.65	18.29	2.988	4.63	24.91	-6.055	0.465	888	0
3/28/2014 0:45	60737	15	87	1.273	208.4	21.51	2.435	232.2	19.68	5.498	261.1	21.27	14.98	17.01	18.14	2.034	3.163	23.11	-5.923	0.881	888	0
3/28/2014 1 00	60738	15	87	1.883	176.3	13.42	3.659	177.1	12.67	4.4	212.8	13.66	14.36	15.8	17.06	1.446	2.7	24.08	-5.903	0.747	888	0
3/28/2014 1:15	60739	15	87	1.106	186.7	70.72	2.319	181.6	20.82	4.569	227.2	9.47	13.62	15.07	16.81	1.447	3.189	25.65	-5.704	0.573	888	0
3/28/2014 1:30	60740	15	87	0.517	251.4	47.62	1.797	239.7	14.43	5.047	254.2	5.057	13.48	15.49	16.67	2.008	3.187	26.43	-5.43	0.576	888	0
3/28/2014 1:45	60741	15	87	1.557	258.1	11.3	3.055	248.1	8.53	6.578	247	3.079	14.97	16	17.44	1.031	2.466	24.38	-5.23	1.165	888	0
3/28/2014 2 00	60742	15	87	2.229	248.6	9.44	3.811	246.6	6.251	7.122	251.9	2.252	15.44	16.3	18.01	0.862	2.569	22.7	-5.767	1.196	888	0
3/28/2014 2:15	60743	15	87	1.649	255.4	10.71	3.221	252.6	7.547	7.035	258.5	2.063	14.85	15.87	17.83	1.019	2.986	23.48	-5.82	0.77	888	0
3/28/2014 2:30	60744	15	87	2.21	247.2	10.18	3.802	246.9	7.761	7.513	259.7	3.103	15.08	15.89	17.73	0.813	2.65	23.49	-5.617	0.954	888	0
3/28/2014 2:45	60745	15	87	2.551	274.8	49.69	3.818	269.2	47.35	6.758	275.2	29.1	15.14	15.67	17.07	0.536	1.93	23.54	-5.547	0.913	888	0
3/28/2014 3 00	60746	15	87	1.748	344.1	15.1	3.333	333.9	9.5	4.449	322.3	7.487	14.46	15.63	16.41	1.178	1.956	26.07	-4.775	0.561	889	0
3/28/2014 3:15	60747	15	87	1.466	349.5	12.55	3.388	336.8	7.053	4.674	328.4	4.879	13.81	15.8	16.39	1.99	2.574	28	-4.384	0.528	889	0
3/28/2014 3:30	60748	15	87	1.455	346.7	9.36	3.057	333.2	4.895	4.664	334.4	7.535	13.79	15.4	16.3	1.616	2.511	28.32	-4.253	0.562	889	0
3/28/2014 3:45	60749	15	87	0.768	327.7	34.73	2.47	334.5	9.01	4.575	337.7	6.562	12.69	15.65	16.37	2.955	3.674	30.44	-4.247	0.542	889	0
3/28/2014 4 00	60750	15	87	1.328	307.9	16.27	2.342	315.1	5.664	4.239	330.5	4.898	13.06	15.49	16.04	2.428	2.978	29.76	-4.227	0.631	889	0
3/28/2014 4:15	60751	15	87	1.475	319.7	3.733	2.949	320.9	3.545	4.792	333.4	3.943	12.51	15.2	15.94	2.692	3.432	30.3	-4.46	0.671	889	0
3/28/2014 4:30	60752	15	87	1.611	319	9.83	3.259	322.4	5.937	4.699	335	4.924	11.58	15.34	15.72	3.762	4.144	32.28	-4.436	0.556	889	0
3/28/2014 4:45	60753	15	87	1.747	315.3	5.466	3.128	315.4	3.104	5.698	327.6	2.78	11.25	14.98	15.94	3.731	4.697	32.45	-4.662	0.588	889	0
3/28/2014 5 00	60754	15	87	1.566	326.9	3.242	3.804	318.7	1.942	6.154	320.2	3.076	10.46	14.59	15.81	4.13	5.346	34.2	-4.652	0.624	889	0
3/28/2014 5:15	60755	15	87	1.943	318	4.536	4.21	314.6	4.147	3.727	310.5	2.754	9.66	14.21	16.04	4.545	6.384	36.12	-4.642	0.581	890	0
3/28/2014 5:30	60756	15	87	1.968	317	9.13	3.248	302.6	4.959	4.088	301.5	3.583	10.56	14.22	15.65	3.651	5.09	34.45	-4.476	0.827	890	0
3/28/2014 5:45	60757	15	87	1.88	311.3	11.12	3.001	302.7	6.441	2.993	304.3	2.146	10.63	13.24	14.54	2.606	3.911	34.44	-4.417	1.121	890	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/28/2014 6 00	60758	15	87	1.822	324.5	18.74	3.213	304.1	9.61	5.949	294.9	3.38	9.37	12.18	14.66	2.81	5.286	36.82	-4.654	6.296	890	0
3/28/2014 6:15	60759	15	87	2.062	298.8	15.77	3.486	292	7.513	4.794	298.3	3.235	11.26	12.85	14.99	1.587	3.724	34.86	-3.726	40.67	890	0
3/28/2014 6:30	60760	15	87	1.909	264.4	18.85	3.72	272.4	10.53	6.014	283.5	6.522	12.52	13.37	15.18	0.856	2.668	32.03	-3.718	89	891	0
3/28/2014 6:45	60761	15	87	1.821	300	24.63	2.755	293.2	18.68	5.48	282.3	5.978	14.09	14.31	14.93	0.22	0.839	30.29	-3.085	146	891	0
3/28/2014 7 00	60762	15	87	2.012	332.1	14.42	2.963	325	10.9	3.163	302.4	5.665	14.57	14.49	14.69	-0.077	0.124	29.99	-2.806	204.1	891	0
3/28/2014 7:15	60763	15	87	1.851	295.9	14.14	1.872	294.1	10.6	3.365	287.6	7.592	14.88	14.7	14.4	-0.186	-0.481	29.48	-2.762	262.6	891	0
3/28/2014 7:30	60764	15	87	1.802	249.6	28.33	2.254	250	25.9	2.598	254.9	13.98	15.49	15.01	14.49	-0.481	-1.001	28.64	-2.628	326.3	892	0
3/28/2014 7:45	60765	15	87	2.061	247	14.45	2.513	248.1	12.93	2.888	262.7	12.03	16.07	15.47	14.88	-0.593	-1.19	28.05	-2.41	388.7	892	0
3/28/2014 8 00	60766	15	87	2.61	262.8	25.42	3.232	265.4	21.71	3.645	274.8	19.15	16.81	16.11	15.57	-0.705	-1.245	26.61	-2.498	448.1	892	0
3/28/2014 8:15	60767	15	87	3.227	287.2	31.42	3.789	288.6	28.62	4.235	296	25.65	17.52	16.86	16.21	-0.668	-1.314	24.19	-3.185	507.7	892	0
3/28/2014 8:30	60768	15	87	4.611	320.3	13.96	5.9	318.8	11.07	6.689	321.4	8.74	17.81	17.02	16.25	-0.786	-1.552	20.91	-4.859	564.9	892	0
3/28/2014 8:45	60769	15	87	4.868	327.5	15.52	6.415	325.3	12.21	7.522	326.8	8.71	18.08	17.15	16.34	-0.927	-1.737	21.03	-4.558	616.6	892	0
3/28/2014 9 00	60770	15	87	5.311	332.2	12.51	7.247	330.1	8.98	8.08	328	7.257	18.38	17.34	16.44	-1.044	-1.947	21.26	-4.161	661.4	892	0
3/28/2014 9:15	60771	15	87	5.654	328	14.86	7.525	327	11.84	8.53	327.1	8.25	18.58	17.4	16.47	-1.173	-2.11	21.51	-3.845	706.9	893	0
3/28/2014 9:30	60772	15	87	5.05	329.8	14.3	6.571	328.8	12.05	7.22	329.4	9.62	18.75	17.64	16.75	-1.113	-1.999	21.39	-3.775	753.7	893	0
3/28/2014 9:45	60773	15	87	4.53	329.2	16.14	5.965	328.8	12.65	6.522	327.8	10.6	19.14	17.86	17	-1.278	-2.14	20.71	-3.876	794.8	893	0
3/28/2014 10 00	60774	15	87	4.775	316	17.83	5.568	315.2	13.45	5.534	318.2	11.95	20.01	18.76	17.89	-1.249	-2.126	19.34	-4.08	833	893	0
3/28/2014 10:15	60775	15	87	5.443	325.2	15.29	6.97	322.7	12.69	7.725	324.6	11.2	20.29	19.01	17.91	-1.282	-2.379	17.69	-5.028	867	893	0
3/28/2014 10:30	60776	15	87	5.221	323.9	15.1	6.541	322	13.25	6.834	320.2	13.13	20.64	19.34	18.31	-1.296	-2.329	17.12	-5.178	894	893	0
3/28/2014 10:45	60777	15	87	4.795	327.2	19.96	6.179	325.6	17.74	6.616	327.5	16.15	20.98	19.58	18.59	-1.403	-2.386	16.52	-5.365	922	893	0
3/28/2014 11 00	60778	15	87	5.404	321.3	19.86	6.783	320.2	18.71	7.396	321.6	14.88	20.86	19.44	18.45	-1.423	-2.407	16.32	-5.622	944	893	0
3/28/2014 11:15	60779	15	87	4.762	309.2	19.92	5.61	308.8	16.46	6	312.2	15.25	21.29	19.97	18.99	-1.323	-2.303	16.26	-5.323	963	893	0
3/28/2014 11:30	60780	15	87	5.207	302.2	19.11	6.23	300.9	15.46	6.201	306.7	11.57	21.55	20.06	19.01	-1.491	-2.541	16.06	-5.281	979	893	0
3/28/2014 11:45	60781	15	87	5.353	300.1	18.2	6.122	301	14.73	6.468	305.2	12.34	21.66	20.17	19.13	-1.494	-2.535	15.75	-5.441	991	893	0
3/28/2014 12 00	60782	15	87	5.046	321.2	19.43	6.215	319	16.62	6.932	321	12.42	21.68	20.23	19.1	-1.447	-2.574	15.88	-5.324	998	892	0
3/28/2014 12:15	60783	15	87	3.561	287.4	34.72	4.471	290	25.9	4.987	302.8	18.9	21.87	20.52	19.68	-1.354	-2.191	15.27	-5.693	999	892	0
3/28/2014 12:30	60784	15	87	5.884	330.8	18.9	7.678	328.5	16.33	8.19	325.5	12.77	22.65	21.08	19.98	-1.576	-2.674	13.62	-6.571	1002	892	0
3/28/2014 12:45	60785	15	87	4.995	299.5	18.82	5.381	299.7	13.69	5.375	305.1	10.55	22.7	21.21	20.18	-1.491	-2.521	12.55	-7.584	1000	892	0
3/28/2014 13 00	60786	15	87	5.032	314.2	16.95	5.616	312.9	12.66	5.6	313	10.98	22.99	21.49	20.38	-1.502	-2.605	12.75	-7.159	988	892	0
3/28/2014 13:15	60787	15	87	5.838	330.3	15.47	7.788	329	12.71	8.7	327.7	10.56	23.07	21.47	20.42	-1.606	-2.655	12.28	-7.574	971	892	0
3/28/2014 13:30	60788	15	87	5.028	319.6	22.71	6.234	317.5	19.55	6.67	316.8	15.53	23.06	21.62	20.44	-1.438	-2.619	12.05	-7.834	950	892	0
3/28/2014 13:45	60789	15	87	4.721	317.5	27.07	5.466	318.6	25.11	5.802	320.9	21.67	22.75	21.22	20.27	-1.521	-2.48	12.02	-8.11	918	892	0
3/28/2014 14 00	60790	15	87	3.857	293.2	35.58	4.821	298.2	28.12	4.529	302.8	28.12	22.98	21.73	20.78	-1.255	-2.204	11.74	-8.25	891	892	0
3/28/2014 14:15	60791	15	87	3.568	294.3	28.18	4.606	295.2	26.22	5.049	298.7	22.46	23.36	22.01	21.27	-1.353	-2.087	11.09	-8.66	853	892	0
3/28/2014 14:30	60792	15	87	3.547	300.1	19.32	4.043	302.3	22.22	4.513	303	21.67	23.5	22.42	21.44	-1.081	-2.063	10.64	-9.1	811	892	0
3/28/2014 14:45	60793	15	87	4.188	307.9	23.21	5.2	306	22.56	5.499	311.4	16.91	23.72	22.53	21.56	-1.197	-2.164	10.1	-9.58	771.5	892	0
3/28/2014 15 00	60794	15	87	4.309	322	18.5	5.232	319	16.55	5.78	319.2	14.34	23.75	22.61	21.67	-1.138	-2.081	10.58	-8.97	714.7	892	0
3/28/2014 15:15	60795	15	87	4.378	313.2	20.27	4.938	310.1	15.73	5.297	310.5	13.48	23.66	22.5	21.68	-1.156	-1.98	10.76	-8.82	663.7	891	0
3/28/2014 15:30	60796	15	87	4.17	300.2	28.01	5.241	296.4	23.3	5.76	296.5	17.62	23.55	22.44	21.64	-1.111	-1.91	10.98	-8.64	604.3	891	0
3/28/2014 15:45	60797	15	87	3.468	306	23.47	4.056	307.7	20.89	4.389	313.6	17.59	23.77	22.9	22.09	-0.871	-1.685	10.92	-8.55	549	891	0
3/28/2014 16 00	60798	15	87	3.117	311.6	28.56	3.626	309.9	27.48	3.678	309.3	19.77	23.75	22.84	22.24	-0.911	-1.513	10.88	-8.61	499.1	891	0
3/28/2014 16:15	60799	15	87	3.725	285.7	16.23	4.736	286.5	12.06	5.594	286.5	8.79	23.81	22.96	22.18	-0.848	-1.631	10.74	-8.74	453.7	891	0
3/28/2014 16:30	60800	15	87	3.105	292.5	22.5	3.496	293.5	17.72	3.653	295.9	15.65	23.63	22.94	22.22	-0.688	-1.408	10.93	-8.65	398.5	892	0
3/28/2014 16:45	60801	15	87	2.67	312	29.76	3.186	307.3	24.08	3.389	306.8	21.25	23.36	22.82	22.23	-0.542	-1.134	11.27	-8.45	338.7	892	0
3/28/2014 17 00	60802	15	87	2.967	323.4	31.55	3.86	323.7	25.88	4.323	333.3	17	23.16	22.69	22.16	-0.467	-1	11.36	-8.51	274.4	892	0
3/28/2014 17:15	60803	15	87	2.489	340.9	18.56	3.311	338.4	17.29	4.03	340.7	16.56	23.18	22.76	22.13	-0.428	-1.054	11.54	-8.29	205.8	892	0
3/28/2014 17:30	60804	15	87	2.061	304.1	22.58	2.545	307.5	18.87	2.624	309.2	12.27	22.93	22.72	22.26	-0.216	-0.674	11.29	-8.77	141.4	892	0
3/28/2014 17:45	60805	15	87	2.05	327.6	18.7	2.611	321.9	15.62	2.877	322.9	14.27	22.39	22.41	22.04	0.017	-0.358	11.98	-8.43	86.5	892	0
3/28/2014 18 00	60806	15	87	1.568	345.2	10.2	2.71	342	8.71	2.865	344.6	9.01	21.47	22.09	21.88	0.622	0.414	12.91	-8.19	38.62	893	0
3/28/2014 18:15	60807	15	87	1.016	347.4	7.139	2.185	334.3	5.82	2.928	332	6.503	20.07	21.79	21.81	1.714	1.736	14.13	-8.13	9.94	893	0
3/28/2014 18:30	60808	15	87	1.07	46.35	17.4	2.087	354.2	9.56	2.785	343.8	6.225	18.14	21.39	21.75	3.25	3.612	15.61	-8.41	0.76	893	0
3/28/2014 18:45	60809	15	87	1.517	50.42	4.106	2.414	3.095	7.514	2.852	358.4	7.741	15.8	21.4	21.68	5.593	5.879	18.23	-8.32	0.269	893	0
3/28/2014 19 00	60810	15	87	1.64	53.09	3.609	2.236	23	4.203	2.495	1.421	8.78	14.87	20.65	21.75	5.784	6.881	19.85	-7.987	0.341	893	0
3/28/2014 19:15	60811	15	87	1.394	48.34	9.44	2.278	31.32	8.07	2.059	356.9	8.28	13.55	20.03	21.59	6.476	8.04	21.73	-7.93	0.35	894	0
3/28/2014 19:30	60812	15	87	1.75	47.84	5.965	3.332	41.16	4.932	2.955	25.68	8.06	13.08	20.04	21.27	6.954	8.18	23.23	-7.453	0.441	894	0
3/28/2014 19:45	60813	15	87	1.418	58.73	6.114	2.867	63.15	11.41	3.099	46.13	5.419	13.59	20	20.93	6.414	7.344	22.37	-7.516	0.405	894	0
3/28/2014 20 00	60814	15	87	1.273	68.55	6.922	3.755	78.49	3.976	3.481	51.52	1.71	13.64	19.58	21.14	5.94	7.5	22.29	-7.518	0.51	894	0
3/28/2014 20:15	60815	15	87	1.491	55.27	7.519	4.013	72.3	3.451	3.239	52.75	0.81	13.91	19.19	21.28	5.277	7.374	21.39	-7.823	0.576	895	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/28/2014 20:30	60816	15	87	1.753	51.97	7.907	4.288	65.84	2.349	3.751	53.56	2.978	13.45	19.13	21.24	5.682	7.792	21.89	-7.919	0.604	895	0
3/28/2014 20:45	60817	15	87	1.711	52.83	6.852	4.406	63.92	2.126	4.169	53.26	2.624	12.93	19.17	21.1	6.237	8.17	22.94	-7.744	0.539	895	0
3/28/2014 21 00	60818	15	87	1.622	53.13	6.353	4.423	68.56	2.303	4.103	53.04	1.975	13.03	17.38	21.02	4.351	7.992	22.58	-7.863	0.563	895	0
3/28/2014 21:15	60819	15	87	1.629	53.57	7.69	4.417	71.51	2.553	4.288	59.56	2.176	12.96	16.72	20.96	3.763	7.996	22.6	-7.909	0.576	895	0
3/28/2014 21:30	60820	15	87	1.713	60.95	9.96	4.741	72.83	1.769	4.044	65.21	1.531	13.43	17.73	21.08	4.3	7.656	22.04	-7.842	0.825	896	0
3/28/2014 21:45	60821	15	87	1.525	57.21	11.23	4.478	76.2	0.947	3.519	63.95	1.374	13.44	19.21	21	5.77	7.56	21.68	-8.05	0.653	896	0
3/28/2014 22 00	60822	15	87	1.748	48.17	6.189	4.278	72.47	1.788	3.516	60.72	1.673	12.31	19.63	20.88	7.318	8.57	23.52	-7.951	0.395	896	0
3/28/2014 22:15	60823	15	87	1.706	51.95	6.436	4.13	71.35	1.233	3.478	56.63	1.126	12.42	19.57	20.87	7.156	8.45	23.35	-7.952	0.557	896	0
3/28/2014 22:30	60824	15	87	1.689	45.27	6.454	3.702	69.74	1.674	3.1	50.81	2.112	11.61	20.22	20.89	8.61	9.28	24.31	-8.13	0.503	896	0
3/28/2014 22:45	60825	15	87	1.65	42.11	3.821	3.462	67.05	1.177	3.158	52.1	3.032	10.81	20.23	20.81	9.42	10	26.17	-7.853	0.452	896	0
3/28/2014 23 00	60826	15	87	1.524	40.58	6.934	2.962	70.01	2.162	2.773	53.23	3.92	10.32	19.88	20.69	9.56	10.37	26.94	-7.895	0.448	896	0
3/28/2014 23:15	60827	15	87	1.233	37.53	6.807	2.68	74.75	1.972	2.487	46.98	3.703	9.5	19.71	20.56	10.21	11.07	28.44	-7.911	0.375	896	0
3/28/2014 23:30	60828	15	87	1.599	49.53	9.73	3.248	72.38	1.237	2.874	54.08	4.93	9.93	19.56	20.37	9.63	10.44	28.21	-7.646	0.477	896	0
3/28/2014 23:45	60829	15	87	3.248	73	16.47	5.827	82.8	8.22	6.719	74.14	15.64	12.3	17.71	18.31	5.414	6.012	26.12	-6.639	1.381	897	0
3/29/2014 0 00	60830	15	88	6.308	102.3	10.85	8.88	102	7.553	12.51	101.9	4.388	12.66	12.86	12.91	0.196	0.252	36.69	-1.771	1.715	897	0
3/29/2014 0:15	60831	15	88	5.933	100.6	10.98	8.4	100.2	7.229	12.17	101	4.463	11.88	12.05	12.16	0.17	0.28	39.5	-1.458	1.074	897	0
3/29/2014 0:30	60832	15	88	5.841	96.2	11.02	8.21	96.4	7.128	11.96	97.9	3.899	11.52	11.69	11.82	0.171	0.303	41.35	-1.154	1.137	897	0
3/29/2014 0:45	60833	15	88	5.848	96.8	11.41	8.23	97.2	7.628	12.23	97.5	4.27	11.32	11.49	11.58	0.166	0.264	42.98	-0.81	1.325	897	0
3/29/2014 1 00	60834	15	88	6.243	98	11.07	8.82	98.8	7.141	12.32	99.2	4.434	11.18	11.34	11.41	0.158	0.223	43.92	-0.633	1.244	897	0
3/29/2014 1:15	60835	15	88	6.248	98.5	10.98	8.71	98	7.214	12.39	98.4	4.272	10.91	11.04	11.1	0.135	0.19	44.78	-0.62	1.25	897	0
3/29/2014 1:30	60836	15	88	5.695	98.1	11.97	8.19	96.8	7.544	12.01	97.1	4.226	10.55	10.7	10.76	0.145	0.205	45.92	-0.601	1.32	897	0
3/29/2014 1:45	60837	15	88	5.704	91	11.6	8.32	91.9	7.643	12.11	93.1	4.678	10.32	10.48	10.49	0.16	0.168	47.1	-0.461	1.209	897	0
3/29/2014 2 00	60838	15	88	6.392	92.7	10.5	9	92	7.272	12.57	92.9	4.459	10.11	10.23	10.21	0.125	0.1	47.93	-0.421	1.41	897	0
3/29/2014 2:15	60839	15	88	6.358	89.2	11.96	8.93	89	7.368	12.1	91.3	4.53	9.83	9.94	9.89	0.11	0.065	48.82	-0.427	1.232	897	0
3/29/2014 2:30	60840	15	88	5.453	86.1	11.12	7.644	85.2	8.17	10.98	87.9	5.004	9.31	9.43	9.38	0.122	0.077	50.46	-0.456	1.117	898	0
3/29/2014 2:45	60841	15	88	5.21	89	13	7.466	88.3	7.906	10.46	90.7	5.405	8.99	9.12	9.05	0.134	0.069	51.79	-0.392	1.149	898	0
3/29/2014 3 00	60842	15	88	5.216	84.4	11.24	7.192	85.2	9.07	10.1	89.8	5.727	8.7	8.82	8.76	0.121	0.06	52.82	-0.389	1.104	898	0
3/29/2014 3:15	60843	15	88	4.974	79.77	12.31	7.031	79.15	9.17	9.93	84.9	5.795	8.25	8.4	8.37	0.145	0.118	54.23	-0.442	1.103	898	0
3/29/2014 3:30	60844	15	88	5.518	83.7	10.77	7.657	82.9	7.357	10.72	86.9	4.793	8.18	8.29	8.24	0.108	0.066	54.51	-0.441	1.109	898	0
3/29/2014 3:45	60845	15	88	5.76	82.1	9.77	7.915	81.7	7.509	11.23	86.3	4.616	8.04	8.14	8.1	0.097	0.053	54.89	-0.472	1.171	899	0
3/29/2014 4 00	60846	15	88	5.786	79.64	10.92	7.96	79.38	7.797	10.87	84.3	5.483	7.934	8.03	7.96	0.096	0.026	55.44	-0.439	1.216	899	0
3/29/2014 4:15	60847	15	88	5.72	80.7	10.82	7.687	81.9	8.22	10.68	86.2	5.618	7.764	7.86	7.769	0.096	0.005	56.28	-0.391	1.252	899	0
3/29/2014 4:30	60848	15	88	5.66	84.2	11.16	7.866	85	7.935	11.33	88.3	4.664	7.628	7.718	7.662	0.09	0.033	56.95	-0.355	1.336	899	0
3/29/2014 4:45	60849	15	88	5.47	88.2	12.21	7.556	87.8	8.99	10.22	91.4	6.101	7.563	7.654	7.544	0.091	-0.019	57.42	-0.302	1.108	899	0
3/29/2014 5 00	60850	15	88	5.26	89.1	12.4	7.392	88.9	8.77	10.31	91.2	5.598	7.308	7.409	7.336	0.101	0.028	58.04	-0.396	1.082	900	0
3/29/2014 5:15	60851	15	88	4.877	90.4	12.02	6.924	89.5	8.63	10.24	93.1	4.814	6.887	6.997	7.028	0.11	0.141	59.05	-0.554	1.047	900	0
3/29/2014 5:30	60852	15	88	4.135	96.8	13.15	5.984	95.6	8.92	9.5	97.9	5.018	6.882	7.005	7.107	0.123	0.226	58.55	-0.675	1	900	0
3/29/2014 5:45	60853	15	88	1.827	288.7	89	2.951	294.7	95.2	4.123	179.8	94.5	6.551	6.766	6.729	0.215	0.178	58.84	-0.922	1.805	901	0
3/29/2014 6 00	60854	15	88	1.94	259.9	43.22	2.885	255.3	35.36	2.805	249.2	63.81	6.635	7.083	7.042	0.448	0.406	58.7	-0.878	10.09	902	0
3/29/2014 6:15	60855	15	88	1.128	284.1	49.04	1.485	272	42.01	1.502	253.8	38.54	6.755	7.056	7.039	0.3	0.283	57.42	-1.062	37.98	902	0
3/29/2014 6:30	60856	15	88	1.004	287.5	47	0.985	273.2	39.43	0.949	185	97.4	7.209	7.445	7.232	0.236	0.024	55.19	-1.178	87.8	903	0
3/29/2014 6:45	60857	15	88	0.538	352.8	71.93	0.643	353.8	69.17	0.605	15.65	90.9	7.553	7.423	7.187	-0.13	-0.366	54.47	-1.035	133.6	903	0
3/29/2014 7 00	60858	15	88	0.739	226	52.19	0.78	219	59.09	0.715	198.1	65.11	8.04	7.838	7.351	-0.2	-0.687	52.42	-1.106	207.7	903	0
3/29/2014 7:15	60859	15	88	1.852	121.4	25.49	2.399	120.2	19.06	2.676	112.2	14.95	8.28	7.821	7.3	-0.462	-0.983	52.28	-0.915	258	903	0
3/29/2014 7:30	60860	15	88	2.012	91.8	24.21	2.489	91.1	17.88	2.71	94.1	13.18	8.71	8.16	7.586	-0.544	-1.12	51.48	-0.734	314.8	903	0
3/29/2014 7:45	60861	15	88	2.656	93.4	18.42	3.376	93.5	12.58	3.511	95	9.27	9.29	8.58	7.996	-0.711	-1.298	48.01	-1.15	389.3	903	0
3/29/2014 8 00	60862	15	88	2.59	97.7	17.43	3.305	97.2	13.38	3.581	95.1	9.49	10.05	9.24	8.65	-0.813	-1.399	44.48	-1.5	439.9	903	0
3/29/2014 8:15	60863	15	88	2.69	106.8	16.85	3.417	103.7	12.57	3.858	106.6	9.51	11	10.11	9.45	-0.892	-1.556	39.85	-2.131	496.3	903	0
3/29/2014 8:30	60864	15	88	2.683	125.8	21.51	3.465	122.1	14.83	3.624	121.9	12.43	11.62	10.6	9.93	-1.024	-1.688	37.25	-2.484	558.2	903	0
3/29/2014 8:45	60865	15	88	3.135	130.8	16.73	3.879	129.3	13.37	4.365	126.7	14.19	12.35	11.37	10.62	-0.988	-1.731	35.05	-2.659	610.9	903	0
3/29/2014 9 00	60866	15	88	3.721	132.2	17.87	4.76	130.2	14.2	5.362	133.5	9.99	13.23	12.06	11.19	-1.168	-2.036	33.1	-2.653	665	903	0
3/29/2014 9:15	60867	15	88	4.126	147.1	15.96	5.251	144.9	13.28	5.759	149.3	9.54	13.94	12.66	11.79	-1.28	-2.148	32.27	-2.371	711.8	903	0
3/29/2014 9:30	60868	15	88	3.958	144.3	19.94	5.262	143	16.08	6.134	143.7	13.73	14.95	13.43	12.52	-1.524	-2.43	31.65	-1.743	749.8	903	0
3/29/2014 9:45	60869	15	88	4.212	152.3	18.52	5.636	150.6	14.19	6.347	149.8	9.34	15.47	13.82	12.84	-1.651	-2.631	30.72	-1.698	797.2	903	0
3/29/2014 10 00	60870	15	88	4.507	155.5	14.08	5.796	150.5	10.87	6.649	150.3	7.132	15.81	14.2	13.15	-1.616	-2.664	29.75	-1.833	833	903	0
3/29/2014 10:15	60871	15	88	4.565	150.8	19.66	5.816	150.2	16.03	6.647	148.8	14.1	16.43	14.87	13.85	-1.557	-2.578	28.11	-2.07	866	903	0
3/29/2014 10:30	60872	15	88	4.532	149.5	15.57	5.967	148	12.78	6.578	148	12.36	16.9	15.26	14.21	-1.647	-2.69	27.38	-2.019	899	903	0
3/29/2014 10:45	60873	15	88	4.63	152.1	19.05	6.107	148.6	15.55	6.841	148.2	13	17.45	15.67	14.64	-1.782	-2.818	26.45	-2.014	924	902	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/29/2014 11 00	60874	15	88	4.72	156.8	16.84	5.939	154.4	15.3	6.658	155.3	13.08	17.71	16.02	14.96	-1.689	-2.744	26.42	-1.81	948	902	0
3/29/2014 11:15	60875	15	88	5.144	160.4	16.2	6.616	158.5	11.65	7.191	158.4	8.92	18.12	16.08	15.07	-2.032	-3.048	25.83	-1.771	972	902	0
3/29/2014 11:30	60876	15	88	4.687	155.4	18.05	5.993	154.5	15.5	6.77	154.9	14.06	18.38	16.52	15.41	-1.861	-2.974	25.73	-1.593	968	902	0
3/29/2014 11:45	60877	15	88	4.742	154.7	22.41	5.994	151.4	17.3	6.613	153.5	13.29	18.45	16.68	15.85	-1.768	-2.601	25.78	-1.51	940	901	0
3/29/2014 12 00	60878	15	88	4.608	149.7	20.53	5.93	148.3	18.27	6.608	149.9	17.69	19.39	17.54	16.42	-1.849	-2.968	24.31	-1.514	992	901	0
3/29/2014 12:15	60879	15	88	4.419	164.2	23.44	5.543	161.2	20.1	6.204	160.8	19	19.24	17.36	16.38	-1.879	-2.857	23.9	-1.865	990	901	0
3/29/2014 12:30	60880	15	88	4.652	158.1	20.75	6.027	157.1	17.76	6.774	157.6	14.05	19.8	17.9	16.9	-1.904	-2.9	22.66	-2.116	994	900	0
3/29/2014 12:45	60881	15	88	4.313	148.9	23.28	5.57	147.2	20.15	6.248	150.5	19.41	20.13	18.32	17.33	-1.806	-2.801	21.65	-2.465	980	900	0
3/29/2014 13 00	60882	15	88	4.772	159.4	19.65	6.248	159.1	17.33	6.898	158.2	16.22	20.49	18.58	17.58	-1.906	-2.904	21.16	-2.471	961	900	0
3/29/2014 13:15	60883	15	88	4.456	145.5	20.09	5.696	145.4	16.98	6.407	148.2	16.43	20.99	19.16	18.04	-1.839	-2.957	20.23	-2.656	949	899	0
3/29/2014 13:30	60884	15	88	4.469	145.3	20.01	5.736	143.9	17.06	6.401	145.9	15.23	21.02	19.28	18.23	-1.744	-2.794	20.06	-2.745	943	899	0
3/29/2014 13:45	60885	15	88	4.468	135.8	18.74	5.767	134.8	15.02	6.582	141.7	11.52	21.24	19.47	18.58	-1.764	-2.653	19.23	-3.133	908	899	0
3/29/2014 14 00	60886	15	88	5.045	157.4	16.09	6.419	157.4	13.72	7.303	158.9	12.58	21.91	20.22	19.03	-1.692	-2.875	18.8	-2.889	891	898	0
3/29/2014 14:15	60887	15	88	4.65	168.3	18.82	5.941	166.2	16.74	6.47	165.5	18.94	21.75	20.04	19.12	-1.713	-2.627	18.49	-3.248	832	898	0
3/29/2014 14:30	60888	15	88	4.93	154.6	23.3	6.436	152.3	20.49	7.098	154.5	17.28	22.15	20.44	19.45	-1.716	-2.704	17.96	-3.311	820	897	0
3/29/2014 14:45	60889	15	88	4.972	162	16.54	6.544	160.3	15.47	7.172	161.3	14.39	22.32	20.56	19.63	-1.762	-2.695	17.78	-3.297	780.9	897	0
3/29/2014 15 00	60890	15	88	5.105	175.2	17.35	6.709	172.1	15.37	7.565	170.8	15.17	22.42	20.88	19.88	-1.544	-2.541	17.51	-3.422	700.8	897	0
3/29/2014 15:15	60891	15	88	5.49	173.7	18.52	7.262	170.3	15.7	8.01	170	12.38	22.26	20.79	19.85	-1.467	-2.413	17.4	-3.64	613	897	0
3/29/2014 15:30	60892	15	88	5.193	167.4	17.81	6.953	165.2	14.9	8.09	165.4	10.77	22.34	20.92	19.94	-1.427	-2.4	17.24	-3.7	574.2	897	0
3/29/2014 15:45	60893	15	88	5.217	159.9	18.86	6.838	158.2	17.63	7.835	157.3	15.65	22.3	21.03	20.08	-1.264	-2.218	17.24	-3.731	553.2	896	0
3/29/2014 16 00	60894	15	88	4.96	160.6	14.72	6.726	159.1	10.69	7.719	159.9	9.55	22.28	21.09	20.22	-1.182	-2.052	17.33	-3.683	441	896	0
3/29/2014 16:15	60895	15	88	5.069	163.1	15	6.787	162	11.51	7.802	163.4	10.09	22.16	21.06	20.22	-1.099	-1.936	17.21	-3.874	450.4	896	0
3/29/2014 16:30	60896	15	88	4.862	167.1	14.03	6.594	164.4	10.98	7.831	165.5	8.24	22.04	21.14	20.32	-0.897	-1.714	17.32	-3.887	340.4	896	0
3/29/2014 16:45	60897	15	88	4.741	164.4	15.32	6.641	161.9	11.66	7.737	164.3	9.61	21.75	21.03	20.39	-0.726	-1.363	18.09	-3.532	283.6	896	0
3/29/2014 17 00	60898	15	88	4.889	160.2	12.83	6.67	158.6	9.66	7.518	157.4	8.81	21.67	21.02	20.37	-0.649	-1.298	18.64	-3.202	261.3	896	0
3/29/2014 17:15	60899	15	88	5.078	159	11.96	6.811	156.8	8.9	8.01	157.4	6.924	21.45	20.99	20.39	-0.465	-1.057	18.63	-3.388	198.8	896	0
3/29/2014 17:30	60900	15	88	4.738	158.1	11.79	6.57	156	8.13	7.973	155.2	5.958	20.82	20.64	20.18	-0.175	-0.634	19.28	-3.451	97.4	896	0
3/29/2014 17:45	60901	15	88	4.463	152.2	12.07	6.331	151.5	7.938	7.904	152.3	5.176	20.37	20.38	20.04	0.007	-0.329	19.9	-3.394	61.08	896	0
3/29/2014 18 00	60902	15	88	3.925	154	11.17	5.577	152.8	7.675	7.326	152.8	4.889	19.98	20.13	19.95	0.144	-0.037	20.38	-3.395	36.34	896	0
3/29/2014 18:15	60903	15	88	3.337	155.1	10.83	5.038	152.5	6.502	7.174	152.7	3.715	19.43	19.78	19.8	0.353	0.374	21.33	-3.246	11.24	896	0
3/29/2014 18:30	60904	15	88	2.822	156	9.07	4.613	153.6	5.692	7.437	152.8	2.483	18.6	19.19	19.64	0.589	1.04	22.74	-3.078	2.602	896	0
3/29/2014 18:45	60905	15	88	2.23	143.8	11.73	4.014	144	7.658	7.166	148.3	3.523	17.64	18.49	19.47	0.843	1.827	24.21	-3.05	0.709	896	0
3/29/2014 19 00	60906	15	88	1.69	123.2	10.02	3.88	127.7	5.839	6.62	141.1	3.491	15.89	17.65	19.03	1.753	3.135	26.96	-3.099	0.57	896	0
3/29/2014 19:15	60907	15	88	1.871	119.2	7.743	4.253	122.5	2.996	7.095	139.1	1.948	15.29	17.12	18.79	1.825	3.502	28.48	-2.872	0.715	896	0
3/29/2014 19:30	60908	15	88	2.188	122.5	8.85	4.48	124.6	3.66	8.31	137.1	1.529	15.27	16.52	18.87	1.253	3.597	28.86	-2.716	0.949	896	0
3/29/2014 19:45	60909	15	88	2.267	116.4	9.33	4.383	118.4	4.895	8.72	133.2	0.864	15.1	16.12	18.99	1.014	3.889	29.47	-2.575	0.842	896	0
3/29/2014 20 00	60910	15	88	2.839	117.2	10.13	4.838	117.8	5.893	9.21	131.9	1.769	15.49	16.22	18.42	0.733	2.935	29.21	-2.367	1.097	896	0
3/29/2014 20:15	60911	15	88	3.311	124.6	10.1	5.253	124.9	5.907	9.24	132.9	2.662	16.04	16.62	17.69	0.574	1.652	28.28	-2.323	1.078	896	0
3/29/2014 20:30	60912	15	88	2.769	124.9	9.89	4.712	125.7	5.622	8.61	133.9	2.975	15.33	15.98	17.12	0.65	1.789	29.29	-2.467	0.854	897	0
3/29/2014 20:45	60913	15	88	2.929	129.9	10.4	4.92	130.4	6.039	9.15	136.8	3.155	15.33	16.01	17.21	0.678	1.883	29.55	-2.344	1.061	897	0
3/29/2014 21 00	60914	15	88	2.834	122.2	9.65	4.735	123.2	6.496	8.12	131.5	3.648	15.29	15.93	16.8	0.644	1.516	29.22	-2.532	0.923	897	0
3/29/2014 21:15	60915	15	88	2.851	120.1	9.58	4.786	120.7	5.667	8.36	131	3.204	14.88	15.6	16.72	0.716	1.839	30.36	-2.37	0.898	897	0
3/29/2014 21:30	60916	15	88	3.171	129.6	10.67	5.167	130.3	7.272	8.94	136.4	4.31	15.25	15.9	16.82	0.646	1.564	30.35	-2.05	1.036	896	0
3/29/2014 21:45	60917	15	88	4.182	136.2	10.97	6.247	136.3	7.192	9.6	139.3	4.589	16.1	16.53	16.94	0.438	0.841	29.06	-1.906	1.208	896	0
3/29/2014 22 00	60918	15	88	4.157	132.8	10.43	6.133	132.9	7.578	9.42	137.2	4.64	15.95	16.37	16.74	0.42	0.785	29.3	-1.916	1.005	896	0
3/29/2014 22:15	60919	15	88	3.797	127	10.5	5.901	128	6.355	8.97	133.6	4.042	15.48	15.91	16.31	0.428	0.824	30.1	-1.964	0.845	896	0
3/29/2014 22:30	60920	15	88	3.739	128.9	10.68	5.78	129.3	6.695	9.18	135.4	4.075	15.1	15.56	16.07	0.455	0.972	31.17	-1.822	0.941	896	0
3/29/2014 22:45	60921	15	88	3.359	127.8	10.68	5.361	127.4	6.523	8.76	134.4	3.478	14.75	15.26	15.86	0.503	1.107	32.08	-1.734	0.837	896	0
3/29/2014 23 00	60922	15	88	2.945	125.4	10.14	4.94	125.3	6.129	8.48	132.2	2.605	14.14	14.75	15.53	0.603	1.382	33.49	-1.687	0.874	896	0
3/29/2014 23:15	60923	15	88	2.897	125.5	9.7	4.915	125.3	5.539	8.62	131.5	2.469	13.81	14.44	15.41	0.624	1.6	34.6	-1.531	0.822	896	0
3/29/2014 23:30	60924	15	88	3.186	125.4	10.31	5.185	126.1	6.467	9.45	134.7	3.507	13.8	14.42	15.63	0.624	1.833	35.29	-1.281	0.993	896	0
3/29/2014 23:45	60925	15	88	3.637	128.3	10.48	5.696	127.9	6.409	9.59	135.9	3.384	14.28	14.8	15.68	0.52	1.393	35.27	-0.857	1.096	896	0
3/30/2014 0 00	60926	15	89	3.717	127.7	10.48	5.79	128	6.758	9.37	135.5	3.929	14.35	14.83	15.49	0.488	1.141	35.7	-0.634	1.043	896	0
3/30/2014 0:15	60927	15	89	3.886	133.9	10.88	5.865	132.6	6.966	9.39	138	4.312	14.34	14.77	15.33	0.434	0.988	35.89	-0.571	0.935	896	0
3/30/2014 0:30	60928	15	89	4.271	133.9	10.38	6.233	132.7	6.931	9.72	137	3.978	14.27	14.67	15.23	0.4	0.955	35.95	-0.606	0.977	896	0
3/30/2014 0:45	60929	15	89	4.57	133.5	9.83	6.588	133.2	6.112	10.21	137.9	4.234	14.18	14.56	15.11	0.381	0.936	36.06	-0.647	1.164	896	0
3/30/2014 1 00	60930	15	89	4.869	136.4	10.85	7.131	135.2	7.284	10.77	138.7	4.074	14.17	14.53	14.96	0.359	0.786	36.36	-0.537	1.114	895	0
3/30/2014 1:15	60931	15	89	4.712	138.7	9.89	6.922	137.4	6.944	10.75	140.7	3.976	13.99	14.32	14.68	0.331	0.687	36.93	-0.485	0.956	895	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/30/2014 1:30	60932	15	89	5.262	140.8	11.83	7.661	138.9	7.73	11.36	142.2	4.494	14.09	14.39	14.69	0.304	0.599	37.42	-0.218	1.162	895	0
3/30/2014 1:45	60933	15	89	5.395	141.1	11.13	7.833	139.5	7.217	11.58	143	4.394	14.08	14.37	14.67	0.288	0.588	37.87	-0.059	1.129	895	0
3/30/2014 2 00	60934	15	89	5.455	140.5	10.2	7.777	139.7	7.37	11.62	143.2	4.171	14.03	14.31	14.63	0.276	0.591	38.7	0.197	1.102	894	0
3/30/2014 2:15	60935	15	89	4.898	137.4	11	7.348	136.3	7.484	11.09	140.3	4.578	13.88	14.19	14.54	0.31	0.654	39.41	0.311	1.157	894	0
3/30/2014 2:30	60936	15	89	4.592	135.1	11.4	6.832	133.5	7.391	10.4	138.1	4.428	13.59	13.92	14.25	0.333	0.662	40.35	0.371	0.956	894	0
3/30/2014 2:45	60937	15	89	3.82	132.4	11.84	5.783	130.9	8.09	9.13	135.1	4.573	13.22	13.57	13.86	0.354	0.637	41.41	0.4	0.831	894	0
3/30/2014 3 00	60938	15	89	3.859	137.3	11.19	5.761	135.6	7.381	9.13	138.4	4.441	12.97	13.35	13.67	0.381	0.701	42.57	0.553	1.015	894	0
3/30/2014 3:15	60939	15	89	4.23	141.3	11.06	6.46	140.1	7.033	9.54	142	4.477	12.83	13.21	13.51	0.381	0.682	43.65	0.773	0.969	894	0
3/30/2014 3:30	60940	15	89	4.561	143.4	10.55	6.611	141.3	7.186	9.85	143.1	4.031	12.64	12.96	13.3	0.317	0.655	44.63	0.914	0.917	894	0
3/30/2014 3:45	60941	15	89	4.571	142.2	10.19	6.568	140.1	6.468	9.91	142.4	3.926	12.39	12.7	13.05	0.313	0.665	45.65	0.993	0.86	894	0
3/30/2014 4 00	60942	15	89	4.093	135.7	10.63	6.01	133.3	7.582	9.15	138.4	4.507	12.2	12.53	12.84	0.324	0.642	46.12	0.966	0.999	894	0
3/30/2014 4:15	60943	15	89	4.086	135.2	11.33	6.13	134.3	7.373	9.48	137.9	4.587	12.05	12.41	12.73	0.359	0.673	46.23	0.866	1.021	894	0
3/30/2014 4:30	60944	15	89	4.463	137.1	10.77	6.529	136.1	7.325	9.53	138.8	4.738	12	12.33	12.55	0.332	0.549	45.77	0.676	1.064	894	0
3/30/2014 4:45	60945	15	89	4.433	142.8	11.1	6.509	141.5	7.298	9.8	143.2	4.48	11.86	12.18	12.4	0.314	0.542	45.73	0.539	0.924	894	0
3/30/2014 5 00	60946	15	89	4.611	141.1	11.16	6.606	138.5	7.326	9.86	140.8	4.47	11.74	12.02	12.2	0.275	0.455	45.91	0.487	0.956	894	0
3/30/2014 5:15	60947	15	89	4.823	139.6	10.97	7.051	138	7.275	10.31	140.5	4.371	11.54	11.79	11.98	0.259	0.444	46.5	0.471	0.978	894	0
3/30/2014 5:30	60948	15	89	4.769	137.3	10.34	6.884	136.2	6.821	10.38	139.8	3.963	11.29	11.55	11.79	0.254	0.498	46.99	0.395	1.051	894	0
3/30/2014 5:45	60949	15	89	4.28	137	11.1	6.429	135.6	6.734	9.73	139.3	4.187	11.05	11.35	11.56	0.302	0.516	47.82	0.411	1.916	894	0
3/30/2014 6 00	60950	15	89	4.298	136.3	11.24	6.184	135.4	7.366	9.43	138.3	4.075	10.91	11.15	11.35	0.246	0.445	48.21	0.395	12.44	894	0
3/30/2014 6:15	60951	15	89	4.612	136.6	10.04	6.584	134.8	6.956	9.87	139.3	4.126	10.99	11.15	11.31	0.155	0.311	48.29	0.499	49.55	894	0
3/30/2014 6:30	60952	15	89	4.73	138.4	11.49	6.827	136.7	7.29	10.07	140	4.54	11.49	11.52	11.55	0.039	0.061	47.25	0.648	98.9	894	0
3/30/2014 6:45	60953	15	89	4.983	142.8	10.93	7.037	141.7	7.406	9.45	143.5	4.895	12.23	12.13	11.93	-0.105	-0.297	45.46	0.793	156.6	894	0
3/30/2014 7 00	60954	15	89	4.489	143.9	11.63	6.318	143.4	8.05	8.64	145	5.476	13.12	12.85	12.53	-0.268	-0.587	43.53	0.996	214.2	894	0
3/30/2014 7:15	60955	15	89	4.341	149.1	11.84	6.061	147	8.69	7.805	147.9	6.471	14.31	13.9	13.4	-0.408	-0.909	40.8	1.175	274.4	894	0
3/30/2014 7:30	60956	15	89	5.028	150.4	12.43	6.892	149	7.858	8.03	150.3	5.49	15.16	14.62	14.04	-0.543	-1.129	38.73	1.218	337.2	894	0
3/30/2014 7:45	60957	15	89	4.857	154.6	11.66	6.524	153.5	7.318	7.425	152.8	5.21	15.84	15.14	14.5	-0.701	-1.342	37.29	1.297	397.9	894	0
3/30/2014 8 00	60958	15	89	5.116	154.2	11.46	6.854	152	7.622	7.655	152.2	5.344	16.53	15.67	14.93	-0.861	-1.6	35.71	1.303	460.4	894	0
3/30/2014 8:15	60959	15	89	5.167	158.8	13.58	6.989	156	9.61	7.746	155.7	6.008	17.34	16.35	15.58	-0.987	-1.758	34.27	1.447	522	894	0
3/30/2014 8:30	60960	15	89	4.957	160.1	14.13	6.689	157.9	10.39	7.332	158.2	7.152	18.26	17.12	16.33	-1.147	-1.93	32.27	1.418	580.6	893	0
3/30/2014 8:45	60961	15	89	5.321	169.4	13.1	7.025	168.1	9.74	7.748	168.8	6.752	19.26	18.01	17.16	-1.244	-2.094	29.88	1.21	643.1	893	0
3/30/2014 9 00	60962	15	89	5.259	174.7	12.51	7.021	171.7	8.33	7.688	170	6.856	19.93	18.59	17.77	-1.337	-2.156	28.45	1.109	664.7	893	0
3/30/2014 9:15	60963	15	89	5.169	177.5	13.56	6.802	175.8	10.16	7.626	177.6	7.267	20.56	19.33	18.36	-1.225	-2.192	27.37	1.112	643.6	893	0
3/30/2014 9:30	60964	15	89	4.873	181.9	13.74	6.419	178.1	9.94	6.986	177.5	7.782	21.13	19.85	18.92	-1.281	-2.205	26.41	1.109	624.8	893	0
3/30/2014 9:45	60965	15	89	4.844	180.7	15.35	6.305	177.4	12.25	7.042	178.9	10.34	21.7	20.33	19.38	-1.369	-2.314	25.35	1.019	667.6	893	0
3/30/2014 10 00	60966	15	89	4.893	178.2	17.72	6.241	177.2	14.61	7.009	176.5	11.38	22.24	20.81	19.82	-1.432	-2.425	24.44	0.973	797.8	893	0
3/30/2014 10:15	60967	15	89	4.828	180.2	19.66	6.15	176.8	15.33	6.749	176.5	13.05	23.09	21.58	20.6	-1.515	-2.492	23.12	0.919	863	892	0
3/30/2014 10:30	60968	15	89	5.22	180.2	18.01	6.775	179	13.89	7.542	178.6	11.47	23.48	21.81	20.87	-1.67	-2.604	22.15	0.648	894	892	0
3/30/2014 10:45	60969	15	89	5.44	182.7	16.74	7.245	179.8	14.36	8.14	181	12.77	24.32	22.53	21.33	-1.79	-2.995	20.85	0.514	930	892	0
3/30/2014 11 00	60970	15	89	5.116	194.6	16.65	6.528	193.8	14.34	7.367	194	12.12	24.76	23.03	22.06	-1.727	-2.705	20.03	0.323	957	892	0
3/30/2014 11:15	60971	15	89	5.176	188	15.89	6.973	186.2	11.78	7.7	186.7	8.99	25.24	23.28	22.18	-1.961	-3.061	19.33	0.225	932	892	0
3/30/2014 11:30	60972	15	89	5.493	190.1	18.77	6.978	190.3	13.95	7.947	193.4	11.12	25.45	23.69	22.54	-1.761	-2.904	19.21	0.307	1003	891	0
3/30/2014 11:45	60973	15	89	5.57	195.2	16.44	7.238	196.2	12.83	8.23	199.3	9.21	25.96	24.14	22.95	-1.819	-3.008	18.7	0.36	977	891	0
3/30/2014 12 00	60974	15	89	5.575	194.8	13.33	7.332	194.8	9.81	8.03	196.8	9.42	26.41	24.53	23.53	-1.874	-2.874	18.15	0.31	930	891	0
3/30/2014 12:15	60975	15	89	5.32	211.5	17.7	6.879	209.9	15.35	7.714	211.6	11.84	26.69	25.03	23.94	-1.657	-2.75	18.06	0.467	891	890	0
3/30/2014 12:30	60976	15	89	5.23	209.9	18.9	6.968	207.6	16.53	7.965	204.6	12.69	27.12	25.53	24.54	-1.594	-2.576	17.59	0.457	854	890	0
3/30/2014 12:45	60977	15	89	5.803	203.8	14.39	7.69	201.7	11.24	8.92	203.8	8.96	27.65	26.06	24.99	-1.587	-2.66	16.82	0.261	751.7	889	0
3/30/2014 13 00	60978	15	89	6.192	191	15.39	8.29	190.2	12.11	9.73	191.9	9.04	27.84	26.2	25.07	-1.647	-2.774	16.57	0.216	855	889	0
3/30/2014 13:15	60979	15	89	5.412	191	16.26	7.148	189.9	13.09	8.22	193	10.48	28.66	26.89	25.62	-1.766	-3.046	15.6	0.038	871	889	0
3/30/2014 13:30	60980	15	89	5.301	185.2	16.94	7.058	183.8	13.09	7.946	182.4	12.11	28.6	27.06	25.94	-1.545	-2.663	15.35	-0.234	736.6	888	0
3/30/2014 13:45	60981	15	89	5.791	189	16.65	7.63	187.4	13.76	8.8	187.7	11.37	27.98	26.87	25.95	-1.111	-2.029	15.42	-0.662	493.8	888	0
3/30/2014 14 00	60982	15	89	5.186	197.8	16.35	6.877	197.1	14.51	7.834	199.8	14.03	28.02	26.96	26.02	-1.067	-2.002	15.47	-0.584	498.6	888	0
3/30/2014 14:15	60983	15	89	5.261	193.3	17.03	6.993	191.8	12.82	8.12	191.3	10.86	28.13	26.98	26.03	-1.149	-2.094	15.6	-0.389	564.4	888	0
3/30/2014 14:30	60984	15	89	5.447	183.2	15.84	7.419	182	12.22	8.84	185.3	9.65	28.61	27.39	26.41	-1.228	-2.203	15.58	-0.014	580.4	887	0
3/30/2014 14:45	60985	15	89	6.32	185.4	14.85	8.36	184.5	11.02	9.57	185.6	9.64	28.96	27.67	26.68	-1.282	-2.272	15.34	0.044	666.6	887	0
3/30/2014 15 00	60986	15	89	5.103	176.7	18.2	7.047	175.6	15.73	8.54	175.9	13.89	29.74	28.26	27.15	-1.478	-2.594	14.87	0.237	651.4	887	0
3/30/2014 15:15	60987	15	89	4.495	178.9	15.05	6.068	178.6	13.02	6.865	179.5	12.24	29.36	28.27	27.48	-1.089	-1.884	15.11	0.15	455	886	0
3/30/2014 15:30	60988	15	89	6.237	186.4	19.96	8.54	187.4	16.86	10	192.4	15	29.82	28.96	28.2	-0.859	-1.618	12.98	-1.616	396.8	886	0
3/30/2014 15:45	60989	15	89	6.66	202.9	12.98	9.2	200.7	10.24	11.08	202.8	9.12	29.52	28.98	28.32	-0.532	-1.193	11.6	-3.318	277.7	886	0

WIPP Valid Metdata 3/24/14-3/30/14

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
3/30/2014 16 00	60990	15	89	7.064	194.2	8.46	9.82	194.2	8.46	11.63	195.3	6.262	29.59	29.14	28.5	-0.448	-1.092	11.45	-3.433	254	886	0
3/30/2014 16:15	60991	15	89	7.297	197.1	8.84	9.88	197.1	8.84	11.83	197.2	6.286	30.02	29.42	28.68	-0.604	-1.341	11.34	-3.234	387.6	885	0
3/30/2014 16:30	60992	15	89	5.808	196.1	12.21	8.03	196.1	12.21	9.36	197.3	11.61	29.61	29.19	28.58	-0.417	-1.029	11.61	-3.233	248.3	886	0
3/30/2014 16:45	60993	15	89	5.12	220.6	14.58	7.047	220.6	14.58	8.9	221.9	11.96	29.65	29.31	28.74	-0.336	-0.915	11.63	-3.184	232.9	885	0
3/30/2014 17 00	60994	15	89	5.646	207.9	10.92	7.713	207.9	10.92	9.75	208.2	8.26	29.62	29.34	28.79	-0.281	-0.829	11.52	-3.338	224.6	885	0
3/30/2014 17:15	60995	15	89	5.135	213.4	13.5	7.184	213.4	13.5	8.86	214.8	11.26	29.42	29.22	28.73	-0.194	-0.684	11.67	-3.31	168.9	885	0
3/30/2014 17:30	60996	15	89	4.405	213.2	8.13	6.078	213.2	8.13	7.526	215.4	6.172	28.89	28.91	28.59	0.028	-0.295	12.21	-3.127	100.8	885	0
3/30/2014 17:45	60997	15	89	3.277	218.8	10.67	4.66	218.8	10.67	6.362	217.2	9.61	28.56	28.66	28.45	0.096	-0.109	12.9	-2.634	104.1	886	0
3/30/2014 18 00	60998	15	89	4.048	222.3	19.92	5.722	222.3	19.92	7.45	227.4	19.99	28.4	28.6	28.37	0.199	-0.03	13.07	-2.585	61.24	885	0
3/30/2014 18:15	60999	15	89	3.299	239.1	8.67	4.599	239.1	8.67	6.557	242.3	6.752	27.72	28.15	28.08	0.434	0.36	12.51	-3.701	14.75	885	0
3/30/2014 18:30	61000	15	89	2.478	245.5	8	3.744	245.5	8	6.362	248.3	3.741	26.52	27.22	27.5	0.694	0.981	12.75	-4.394	1.425	885	0
3/30/2014 18:45	61001	15	89	1.577	237.3	11.67	2.868	237.3	11.67	5.625	244.8	4.488	24.98	26.18	26.94	1.202	1.964	13.94	-4.416	0.477	886	0
3/30/2014 19 00	61002	15	89	1.181	205.2	13.06	1.951	205.2	13.06	3.905	233.5	8.79	23.06	25.23	26.3	2.171	3.236	15.85	-4.236	0.353	886	0
3/30/2014 19:15	61003	15	89	1.439	192.9	10.58	2.317	192.9	10.58	4.552	224	6.883	21.07	24.85	26.44	3.772	5.37	18.26	-3.984	0.479	886	0
3/30/2014 19:30	61004	15	89	0.851	193.6	9.6	2.29	193.6	9.6	5.249	220.2	4.734	21.12	23.97	26.65	2.844	5.529	19.58	-2.984	0.555	886	0
3/30/2014 19:45	61005	15	89	0.621	176	13.19	1.989	176	13.19	5.458	220.6	3.387	19.89	23.1	26.47	3.214	6.589	21.63	-2.691	0.557	886	0
3/30/2014 20 00	61006	15	89	2.957	134.1	11.63	5.053	134.1	11.63	7.343	152.2	28.63	20.76	22.43	24.15	1.665	3.393	24.17	-0.436	1.256	886	0
3/30/2014 20:15	61007	15	89	5.007	151.6	9.42	6.985	151.6	9.42	9.22	151.4	7.013	23.2	23.54	23.53	0.337	0.328	26.9	3.136	1.674	887	0
3/30/2014 20:30	61008	15	89	5.805	145.1	8.66	8.29	145.1	8.66	10.41	146.4	6.85	23.11	23.29	23.16	0.183	0.049	27.9	3.573	1.187	887	0
3/30/2014 20:45	61009	15	89	5.333	149.9	8.42	7.652	149.9	8.42	10.13	151.5	5.559	22.48	22.62	22.47	0.141	-0.014	30.08	4.096	0.913	887	0
3/30/2014 21 00	61010	15	89	5.402	152.3	8.1	7.58	152.3	8.1	10.1	153	5.778	22.08	22.2	22.03	0.125	-0.052	31.55	4.432	1.026	887	0
3/30/2014 21:15	61011	15	89	5.494	150.2	7.921	7.736	150.2	7.921	10.34	151.7	5.179	21.65	21.77	21.59	0.123	-0.055	33.15	4.762	1.002	887	0
3/30/2014 21:30	61012	15	89	5.581	151.5	7.744	7.939	151.5	7.744	10.66	152	5.348	21.26	21.41	21.24	0.151	-0.02	34.49	4.991	1.013	887	0
3/30/2014 21:45	61013	15	89	5.629	149.4	7.615	8.05	149.4	7.615	10.7	150.9	4.913	20.84	21	20.86	0.163	0.021	35.94	5.21	0.974	887	0
3/30/2014 22 00	61014	15	89	5.804	149.9	7.048	8.32	149.9	7.048	10.86	150.9	4.976	20.49	20.64	20.49	0.148	0	37.26	5.421	1.06	887	0
3/30/2014 22:15	61015	15	89	5.254	149.5	7.777	7.457	149.5	7.777	9.94	149.3	5.125	20.18	20.31	20.15	0.133	-0.029	38.14	5.481	0.968	887	0
3/30/2014 22:30	61016	15	89	5.2	149.9	8.34	7.262	149.9	8.34	9.5	152.4	5.502	19.89	20.06	19.92	0.176	0.038	38.92	5.511	1.052	887	0
3/30/2014 22:45	61017	15	89	5.598	152.7	7.338	8.05	152.7	7.338	10.62	153	5.315	19.57	19.76	19.65	0.187	0.078	39.69	5.515	1.081	887	0
3/30/2014 23 00	61018	15	89	5.407	155.2	8.31	7.582	155.2	8.31	10.16	155.2	6.391	19.37	19.55	19.44	0.172	0.062	40.21	5.523	1.045	887	0
3/30/2014 23:15	61019	15	89	3.819	171.8	17.44	5.302	171.8	17.44	7.359	165.3	14.23	19.16	19.3	19.12	0.142	-0.043	40.72	5.513	0.842	887	0
3/30/2014 23:30	61020	15	89	4.687	151.4	7.658	6.734	151.4	7.658	9.23	154.4	5.238	18.91	19.07	19	0.164	0.09	41.38	5.515	0.94	887	0
3/30/2014 23:45	61021	15	89	3.136	223.3	54.22	4.447	223.3	54.22	5.488	207.5	45.55	19.06	19.16	18.93	0.106	-0.127	41.45	5.676	0.686	888	0
3/31/2014 0 00	61022	15	90	2.265	181.4	32	3.246	181.4	32	4.534	173.8	22.15	18.75	18.99	18.8	0.235	0.046	41.74	5.498	0.682	888	0

Environmental Air Sampling

March 30, 2014

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry Am-241 (dpm/sample)	WIPP Labs Radiochemistry Pu-238 (dpm/sample)	WIPP Labs Radiochemistry Pu-239/240 (dpm/sample)	Air Flow Volume (m^3)	WIPP Labs Radiochemistry Am-241 (Bq/m^3)	WIPP Labs Radiochemistry Pu-238 (Bq/m^3)	WIPP Labs Radiochemistry Pu-239/240 (Bq/m^3)
WIPP Far Field (WFF)*	AL-WFF-20140212-1.1	02/15/2014	36	---	**4.88E+01**	Below MDC	**3.67E+00**	51.44	**1.58E-02**	Below MDC	**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**	Below MDC	Below MDC
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**	Below MDC	Below MDC
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**	Below MDC	Below MDC
Mills Ranch (MLR)*	AL-MLR-20140212-1.1	02/18/2014	2.7	---	Below MDC	Below MDC	Below MDC	269.12	Below MDC	Below MDC	Below MDC
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**	Below MDC	Below MDC
Carlsbad (CBD)*	AL-CBD-20140212-1.1	02/18/2014	1.6	---	Below MDC	Below MDC	Below MDC	263.07	Below MDC	Below MDC	Below MDC
Southeast Control (SEC)*	AL-SEC-20140212-1.2	02/18/2014	1.3	---	Below MDC	Below MDC	Below MDC	266.42	Below MDC	Below MDC	Below MDC
Southeast Control (SEC) co-located sample*	AL-SEC-20140212-2.2	02/18/2014	1.5	---	Below MDC	Below MDC	Below MDC	271.13	Below MDC	Below MDC	Below MDC
WIPP Far Field (WFF)	AL-WFF-20140219-1.1	02/26/2014	---	1.89	Below MDC	Below MDC	Below MDC	653.09	Below MDC	Below MDC	Below MDC
WIPP East (WEE)	AL-WEE-20140219-1.1	02/26/2014	---	2.48	Below MDC	Below MDC	Below MDC	738.49	Below MDC	Below MDC	Below MDC
WIPP South (WSS)	AL-WSS-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	730.49	Below MDC	Below MDC	Below MDC
Mills Ranch (MLR)	AL-MLR-20140219-1.1	02/26/2014	---	2.57	Below MDC	Below MDC	Below MDC	675.95	Below MDC	Below MDC	Below MDC
Carlsbad (CBD)	AL-CBD-20140219-1.1	02/26/2014	---	2.23	Below MDC	Below MDC	Below MDC	634.00	Below MDC	Below MDC	Below MDC
Smith Ranch (SMR)	AL-SMR-20140219-1.1	02/26/2014	---	1.12	Below MDC	Below MDC	Below MDC	663.97	Below MDC	Below MDC	Below MDC
Southeast Control (SEC)	AL-SEC-20140219-1.2	02/26/2014	---	2.66	Below MDC	Below MDC	Below MDC	675.60	Below MDC	Below MDC	Below MDC
Southeast Control (SEC) co-located sample	AL-SEC-20140219-2.2	02/26/2014	---	1.38	Below MDC	Below MDC	Below MDC	642.96	Below MDC	Below MDC	Below MDC
WIPP Far Field (WFF)	AL-WFF-20140226-1.1	03/04/2014	---	4.21	Below MDC	Below MDC	Below MDC	476.53	Below MDC	Below MDC	Below MDC
WIPP East (WEE)	AL-WEE-20140226-1.1	03/04/2014	---	4.90	Below MDC	Below MDC	Below MDC	478.96	Below MDC	Below MDC	Below MDC
WIPP South (WSS)	AL-WSS-20140226-1.1	03/04/2014	---	3.26	Below MDC	Below MDC	Below MDC	474.43	Below MDC	Below MDC	Below MDC
Mills Ranch (MLR)	AL-MLR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	476.20	Below MDC	Below MDC	Below MDC
Carlsbad (CBD)	AL-CBD-20140226-1.1	03/04/2014	---	7.13	Below MDC	Below MDC	Below MDC	470.20	Below MDC	Below MDC	Below MDC
Smith Ranch (SMR)	AL-SMR-20140226-1.1	03/04/2014	---	5.50	Below MDC	Below MDC	Below MDC	482.31	Below MDC	Below MDC	Below MDC
Southeast Control (SEC)	AL-SEC-20140226-1.2	03/04/2014	---	4.72	Below MDC	Below MDC	Below MDC	476.53	Below MDC	Below MDC	Below MDC
Southeast Control (SEC) co-located sample	AL-SEC-20140226-2.2	03/04/2014	---	6.70	Below MDC	Below MDC	Below MDC	481.39	Below MDC	Below MDC	Below MDC
WIPP Far Field (WFF)	AL-WFF-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	549.12	Below MDC	Below MDC	Below MDC
WIPP East (WEE)	AL-WEE-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	559.62	Below MDC	Below MDC	Below MDC
WIPP South (WSS)	AL-WSS-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.12	Below MDC	Below MDC	Below MDC
Mills Ranch (MLR)	AL-MLR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	556.78	Below MDC	Below MDC	Below MDC
Carlsbad (CBD)	AL-CBD-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	543.88	Below MDC	Below MDC	Below MDC
Smith Ranch (SMR)	AL-SMR-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	561.30	Below MDC	Below MDC	Below MDC
Southeast Control (SEC)	AL-SEC-20140304-1.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	557.78	Below MDC	Below MDC	Below MDC

Environmental Air Sampling

March 30, 2014

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m^3)	WIPP Labs Radiochemistry		
					Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m^3)	Pu-238 (Bq/m^3)	Pu-239/240 (Bq/m^3)
Southeast Control (SEC) co-located sample	AL-SEC-20140304-2.2	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	552.09	Below MDC	Below MDC	Below MDC
Met Tower (MET)†	AL-MET-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	447.76	Below MDC	Below MDC	Below MDC
Salt Hoist (SLT)†	AL-SLT-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	535.87	Below MDC	Below MDC	Below MDC
Training Building (STB)†	AL-STB-20140304-1.1	03/11/2014	---	---	Below MDC	Below MDC	Below MDC	538.77	Below MDC	Below MDC	Below MDC
WIPP Far Field (WFF)	AL-WFF-20140311-1.1	03/18/2014	---	---				521.72			
WIPP East (WEE)	AL-WEE-20140311-1.1	03/18/2014	---	---				583.39			
WIPP South (WSS)	AL-WSS-20140311-1.1	03/18/2014	---	---				563.14			
Mills Ranch (MLR)	AL-MLR-20140311-1.1	03/18/2014	---	---				557.45			
Carlsbad (CBD)	AL-CBD-20140311-1.1	03/18/2014	---	---				581.65			
Smith Ranch (SMR)	AL-SMR-20140311-1.1	03/18/2014	---	---				496.70			
Southeast Control (SEC)	AL-SEC-20140311-1.2	03/18/2014	---	---				545.09			
Southeast Control (SEC) co-located sample	AL-SEC-20140311-2.2	03/18/2014	---	---				522.38			
Met Tower (MET)†	AL-MET-20140311-1.1	03/18/2014	---	---				569.51			
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	03/18/2014	---	---				557.26			
Training Building (STB)†	AL-STB-20140311-1.1	03/18/2014	---	---				560.11			
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	03/25/2014	---	---							
WIPP East (WEE)	AL-WEE-20140318-1.1	03/25/2014	---	---							
WIPP South (WSS)	AL-WSS-20140318-1.1	03/25/2014	---	---							
Mills Ranch (MLR)	AL-MLR-20140318-1.1	03/25/2014	---	---							
Carlsbad (CBD)	AL-CBD-20140318-1.1	03/25/2014	---	---							
Smith Ranch (SMR)	AL-SMR-20140318-1.1	03/25/2014	---	---							
Southeast Control (SEC)	AL-SEC-20140318-1.2	03/25/2014	---	---							
Southeast Control (SEC) co-located sample	AL-SEC-20140318-2.2	03/25/2014	---	---							
Met Tower (MET)†	AL-MET-20140318-1.1	03/25/2014	---	---							
Salt Hoist (SLT)†	AL-SLT-20140318-1.1	03/25/2014	---	---							
Training Building (STB)†	AL-STB-20140318-1.1	03/25/2014	---	---							
WIPP Far Field (WFF)	AL-WFF-20140325-1.1	04/01/2014	---	---							
WIPP East (WEE)	AL-WEE-20140325-1.1	04/01/2014	---	---							
WIPP South (WSS)	AL-WSS-20140325-1.1	04/01/2014	---	---							
Mills Ranch (MLR)	AL-MLR-20140325-1.1	04/01/2014	---	---							
Carlsbad (CBD)	AL-CBD-20140325-1.1	04/01/2014	---	---							
Smith Ranch (SMR)	AL-SMR-20140325-1.1	04/01/2014	---	---							
Southeast Control (SEC)	AL-SEC-20140325-1.2	04/01/2014	---	---							

Environmental Air Sampling

March 30, 2014

Location	Sample ID Number	Sample Date	ISOLO Spectrum Analyzer Gross α β Preliminary/ Final DPM	WIPP Labs Gross α DPM	WIPP Labs Radiochemistry			Air Flow Volume (m^3)	WIPP Labs Radiochemistry		
					Am-241 (dpm/sample)	Pu-238 (dpm/sample)	Pu-239/240 (dpm/sample)		Am-241 (Bq/m^3)	Pu-238 (Bq/m^3)	Pu-239/240 (Bq/m^3)
Southeast Control (SEC) co-located sample	AL-SEC-20140325-2.2	04/01/2014	---	---							
Met Tower (MET)†	AL-MET-20140325-1.1	04/01/2014	---	---							
Salt Hoist (SLT)†	AL-SLT-20140325-1.1	04/01/2014	---	---							
Training Building (STB)†	AL-STB-20140325-1.1	04/01/2014	---	---							
Guard and Security Building (GSB)‡	AL-GSB-20140325-1.1	04/01/2014	---	---							

* 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.

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: 3.95E-02 to 5.05E-01

MDC Pu-238: 5.09E-02 to 1.57E+01

MDC Pu-239/240: 3.89E-02 to 5.94E-01

Soil Sampling

March 30, 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			

Soil Sampling

March 30, 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 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014			
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.

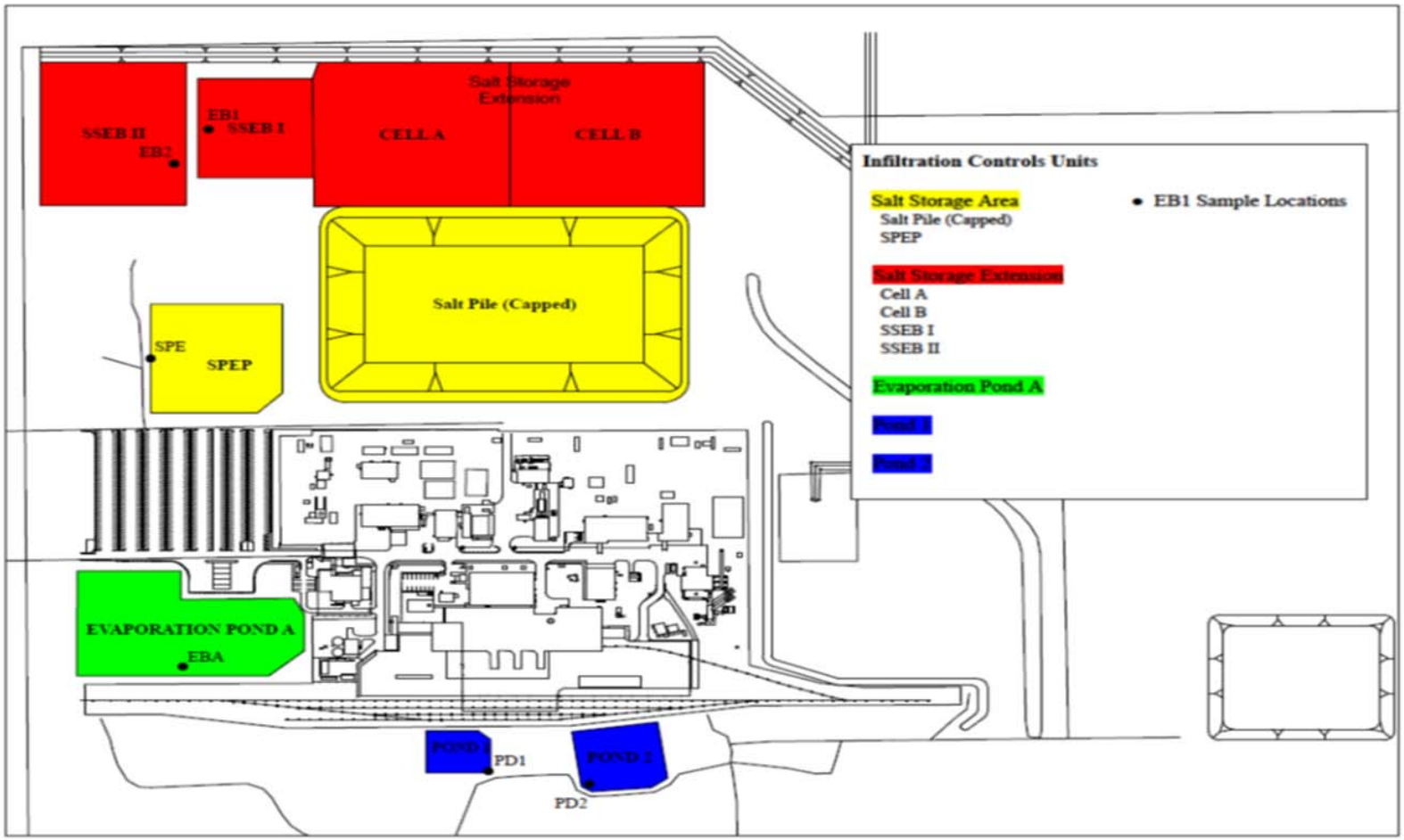
MDC ranges are:

MDC Am-241: 3.40E-02 to 4.12E-02

MDC Pu-238: 2.34E-02 to 2.96E-02

MDC Pu-239/240: 1.80E-02 to 2.18E-02

Surface Water Sample Locations



Surface Water Sampling

March 30, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/L)	Pu-238 (dpm/L)	Pu-239/240 (dpm/L)
Evaporation Basin A	WS-EBA-20140219-1.2	2/19/2014	Below MDC	Below MDC	Below MDC
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 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	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			
Blank	WS-SOO-20140316-5.5	3/16/2014			

* 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: Surface water and sediment samples are taken routinely from earthen tanks that are frequently "dry" during the year. Sediment samples may be obtained in combination with water samples, if water is present.

MDC ranges are:

MDC Am-241: 5.22E-02 to 7.78E-02

MDC Pu-238: 3.53E-02 to 4.99E-02

MDC Pu-239/240: 3.13E-02 to 4.89E-02

Sediment Sampling

March 30, 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: Surface water and sediment samples are taken routinely from earthen tanks that are frequently "dry" during the year. Sediment samples may be obtained in combination with water samples, if water is present.

MDC ranges are:

MDC Am-241: Ranges will be added when results are available

MDC Pu-238: Ranges will be added when results are available

MDC Pu-239/240: Ranges will be added when results are available

Biota (Vegetation) Sampling

March 30, 2014

Location	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field	BV-WFF-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: 3.33E-02 to 3.38E-02

MDC Pu-238: 2.09E-02 to 2.17E-02

MDC Pu-239/240: 1.37E-02 to 1.44E-02

Biota (Fauna) Sampling

March 30, 2014

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

Salt Sampling

March 30, 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

MDC ranges are:

MDC Am-241: 4.17E-02 to 5.03E-02

MDC Pu-238: 2.84E-02 to 4.38E-02

MDC Pu-239/240: 4.17E-02 to 5.03E-02

Attachment 5
Filter Differential Pressures

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/24/2014 0:00	1.7267266	0.568582	0.982999	0.9944329	1.348246	0.58682	1.1468936	1.1303118
3/24/2014 0:30	1.7302757	0.568564	0.983026	0.9944153	1.332941	0.586817	1.1473376	1.132243
3/24/2014 1:00	1.7327917	0.568547	0.983054	0.9943978	1.335043	0.586815	1.152622	1.1356783
3/24/2014 1:30	1.7337144	0.568529	0.983081	0.9943802	1.334375	0.586812	1.1504763	1.1385877
3/24/2014 2:00	1.7336056	0.568511	0.983108	0.9943626	1.335495	0.586809	1.1512873	1.138876
3/24/2014 2:30	1.7345396	0.568493	0.983136	0.994319	1.336846	0.586807	1.1493743	1.1368972
3/24/2014 3:00	1.7363357	0.568475	0.984379	0.9940609	1.337025	0.586804	1.1500288	1.1352885
3/24/2014 3:30	1.7372547	0.568457	0.975821	0.9787872	1.336235	0.586801	1.1429852	1.1316413
3/24/2014 4:00	1.7394817	0.568439	0.988187	0.9939675	1.341311	0.586799	1.1544272	1.136072
3/24/2014 4:30	1.7393204	0.568421	0.988431	0.9939471	1.338185	0.586796	1.1463408	1.1297785
3/24/2014 5:00	1.7408205	0.568403	0.988215	0.9947863	1.342211	0.586793	1.1482663	1.1378041
3/24/2014 5:30	1.7454094	0.568386	0.988	0.9961241	1.34101	0.586791	1.1503852	1.1363061
3/24/2014 6:00	1.749971	0.568368	0.987784	0.9961241	1.346454	0.586738	1.1526	1.1380241
3/24/2014 6:30	1.7507906	0.56835	0.987568	0.9957112	1.348173	0.586623	1.1513297	1.1384799
3/24/2014 7:00	1.7539581	0.568332	0.987352	0.9950245	1.3482	0.586558	1.1529366	1.1433491
3/24/2014 7:30	1.7537195	0.568314	0.987136	0.9939951	1.348575	0.586493	1.1492852	1.1383146
3/24/2014 8:00	1.7528342	0.568296	0.98692	0.9921364	1.352078	0.586428	1.151251	1.1367196
3/24/2014 8:30	1.7538693	0.568278	0.986704	0.9919916	1.348072	0.586363	1.1486192	1.1358512
3/24/2014 9:00	1.7556981	0.56826	0.986489	0.9916739	1.348985	0.586298	1.1462565	1.1374674
3/24/2014 9:30	1.7534103	0.568243	0.984484	0.9913562	1.347571	0.586233	1.1444974	1.1368023
3/24/2014 10:00	1.7552225	0.568225	0.982628	0.9910385	1.347737	0.586168	1.142998	1.1340894
3/24/2014 10:30	1.7552737	0.568207	0.982561	0.9907208	1.346436	0.586103	1.1445618	1.1320822
3/24/2014 11:00	1.7534402	0.568189	0.982493	0.9904032	1.346652	0.586038	1.1395975	1.1304124
3/24/2014 11:30	1.7533916	0.568171	0.982426	0.9860352	1.345507	0.585973	1.1376869	1.1300823
3/24/2014 12:00	1.7492112	0.568153	0.982358	0.9871279	1.344887	0.585908	1.1400054	1.1291755
3/24/2014 12:30	1.7504172	0.568135	0.982291	0.9834239	1.343791	0.585843	1.1336101	1.1258185
3/24/2014 13:00	1.7493357	0.56666	0.982223	0.9790036	1.342779	0.585778	1.1355548	1.1245455
3/24/2014 13:30	1.7485688	0.565	0.982156	0.9788208	1.339698	0.585713	1.1334104	1.125296
3/24/2014 14:00	1.7494316	0.564796	0.982088	0.9786381	1.339474	0.585648	1.1340969	1.1211767
3/24/2014 14:30	1.7487518	0.564593	0.982021	0.9784553	1.339005	0.585583	1.1333926	1.1190599
3/24/2014 15:00	1.7477892	0.56439	0.981953	0.9782726	1.338758	0.585518	1.1340386	1.1148794
3/24/2014 15:30	1.7499806	0.564187	0.981886	0.9780898	1.335655	0.585453	1.1315144	1.1173525
3/24/2014 16:00	1.7461856	0.563983	0.981818	0.9779071	1.336119	0.585388	1.1300211	1.1175878
3/24/2014 16:30	1.7485512	0.56378	0.981751	0.9777243	1.335556	0.585323	1.1279608	1.1122999
3/24/2014 17:00	1.7480676	0.563577	0.981683	0.9775415	1.335623	0.585258	1.1320851	1.1138093
3/24/2014 17:30	1.7470071	0.563374	0.97239	0.9759074	1.336192	0.585193	1.129078	1.1195284
3/24/2014 18:00	1.7488615	0.56317	0.962379	0.9740028	1.33561	0.585128	1.1310775	1.1146569
3/24/2014 18:30	1.7516496	0.562967	0.961594	0.9730021	1.337793	0.585063	1.1299349	1.1153099
3/24/2014 19:00	1.7518322	0.562764	0.960613	0.9732869	1.337508	0.584998	1.1288568	1.113515
3/24/2014 19:30	1.7535348	0.562561	0.9615	0.9737964	1.339341	0.584933	1.1322377	1.1179947
3/24/2014 20:00	1.7570348	0.562357	0.962582	0.9743058	1.341904	0.584868	1.1350878	1.1216061
3/24/2014 20:30	1.7591727	0.562154	0.963664	0.9750171	1.344001	0.584803	1.1370492	1.1251795
3/24/2014 21:00	1.7618521	0.560281	0.964746	0.9805355	1.347889	0.584738	1.1372778	1.1242106
3/24/2014 21:30	1.7656815	0.5587	0.965828	0.9791602	1.349388	0.584673	1.1395919	1.1254584
3/24/2014 22:00	1.7638875	0.55879	0.96691	0.9792867	1.353545	0.584608	1.1424325	1.1267422
3/24/2014 22:30	1.7673648	0.55888	0.967992	0.9794132	1.35086	0.584543	1.138459	1.1288441
3/24/2014 23:00	1.7697975	0.558969	0.969074	0.980126	1.355051	0.584478	1.1421711	1.1311117
3/24/2014 23:30	1.771245	0.559059	0.970156	0.9864342	1.35583	0.584413	1.1411145	1.1287248
3/25/2014 0:00	1.7718883	0.559149	0.97364	0.9871212	1.356631	0.584348	1.1418427	1.1311574
3/25/2014 0:30	1.7764845	0.559238	0.976596	0.9878731	1.358509	0.584204	1.1442677	1.1278971

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/25/2014 1:00	1.7787987	0.559328	0.978431	0.9886251	1.361087	0.584112	1.143563	1.1287705
3/25/2014 1:30	1.7775533	0.559418	0.980266	0.989377	1.361329	0.584099	1.1500403	1.1345583
3/25/2014 2:00	1.780521	0.559507	0.982101	0.9911044	1.365928	0.584086	1.1480365	1.1337083
3/25/2014 2:30	1.7844635	0.559597	0.983935	0.9917153	1.366632	0.584074	1.1496655	1.1379544
3/25/2014 3:00	1.7865978	0.559687	0.98577	0.9927997	1.366499	0.584061	1.1502188	1.1381177
3/25/2014 3:30	1.7875661	0.559776	0.988508	0.9945464	1.37046	0.584048	1.1541961	1.1408586
3/25/2014 4:00	1.7912361	0.559866	0.985761	0.9944634	1.370814	0.584036	1.1518982	1.1418086
3/25/2014 4:30	1.7874119	0.559956	0.984685	0.9974648	1.373692	0.584023	1.1536268	1.1380564
3/25/2014 5:00	1.7934574	0.560045	0.984232	0.9943901	1.373206	0.58401	1.1567995	1.1402163
3/25/2014 5:30	1.7966307	0.560135	0.983779	0.9959661	1.375514	0.583998	1.1571849	1.1398151
3/25/2014 6:00	1.7961996	0.560225	0.983326	0.9942546	1.376675	0.583985	1.154899	1.1409425
3/25/2014 6:30	1.7944231	0.560314	0.982873	0.9945213	1.377044	0.583972	1.1569567	1.1429145
3/25/2014 7:00	1.7958027	0.560404	0.982421	0.9947881	1.376981	0.58396	1.1551599	1.1415952
3/25/2014 7:30	1.7983299	0.560494	0.981968	0.9950548	1.376093	0.583947	1.1556435	1.144117
3/25/2014 8:00	1.8008966	0.560583	0.981515	0.9953215	1.381044	0.583934	1.1573855	1.1463705
3/25/2014 8:30	1.7986264	0.560673	0.981062	0.9964666	1.380652	0.583922	1.156189	1.1426723
3/25/2014 9:00	1.8039937	0.560763	0.980609	0.9982864	1.381064	0.583909	1.1589226	1.1444905
3/25/2014 9:30	1.7997985	0.560852	0.98357	0.9957896	1.381327	0.583896	1.1558748	1.1432091
3/25/2014 10:00	1.8033087	0.560942	0.98515	0.9931964	1.380293	0.583884	1.1537615	1.1419299
3/25/2014 10:30	1.8027582	0.561032	0.985009	0.9947913	1.380682	0.583871	1.1532172	1.1417966
3/25/2014 11:00	1.8023684	0.561121	0.984868	0.9935107	1.381004	0.583858	1.1545573	1.142104
3/25/2014 11:30	1.8042448	0.561211	0.984728	0.9935588	1.379653	0.583846	1.1541577	1.1430827
3/25/2014 12:00	1.8046477	0.565144	0.984587	0.9921816	1.382288	0.583833	1.1509425	1.1371849
3/25/2014 12:30	1.804025	0.568876	0.984447	0.9908133	1.38058	0.58382	1.15421	1.1350312
3/25/2014 13:00	1.8058074	0.568765	0.984306	0.9899277	1.384218	0.583808	1.1545205	1.1390009
3/25/2014 13:30	1.8043249	0.568654	0.981489	0.989042	1.380924	0.583795	1.1513108	1.1388433
3/25/2014 14:00	1.8050402	0.568544	0.97977	0.9881564	1.379455	0.583782	1.1490592	1.1337146
3/25/2014 14:30	1.8030548	0.568433	0.979743	0.9872707	1.376735	0.58377	1.1453874	1.1337086
3/25/2014 15:00	1.8012835	0.568322	0.979716	0.9821754	1.376801	0.583117	1.1392348	1.1296017
3/25/2014 15:30	1.8009034	0.568211	0.97547	0.9776604	1.378198	0.582415	1.1429549	1.1264869
3/25/2014 16:00	1.8024962	0.5681	0.970985	0.9728831	1.376521	0.582353	1.1367204	1.1254452
3/25/2014 16:30	1.7998327	0.567989	0.970719	0.9719418	1.375535	0.582292	1.1332599	1.124002
3/25/2014 17:00	1.8034301	0.567878	0.970453	0.9707938	1.376705	0.58223	1.1357989	1.1178473
3/25/2014 17:30	1.8081666	0.567767	0.967698	0.9734325	1.37901	0.582169	1.1368147	1.1230648
3/25/2014 18:00	1.808891	0.567657	0.963325	0.973774	1.378925	0.582108	1.1371437	1.1204856
3/25/2014 18:30	1.8089494	0.567546	0.963333	0.9719457	1.380662	0.582046	1.1359687	1.1244958
3/25/2014 19:00	1.8128001	0.567435	0.963341	0.9726399	1.38122	0.581985	1.133894	1.1206558
3/25/2014 19:30	1.8137185	0.567324	0.963349	0.9733341	1.384181	0.581923	1.1341835	1.1191964
3/25/2014 20:00	1.8171415	0.567213	0.963357	0.9736371	1.387454	0.581862	1.1368129	1.1256528
3/25/2014 20:30	1.818076	0.567102	0.963365	0.9742122	1.388193	0.5818	1.1376247	1.1288306
3/25/2014 21:00	1.8189274	0.566991	0.963373	0.9747313	1.386783	0.581739	1.1395354	1.1262155
3/25/2014 21:30	1.816996	0.56688	0.963381	0.9752505	1.386202	0.581677	1.1309514	1.1227618
3/25/2014 22:00	1.8253055	0.562782	0.964116	0.9761809	1.390658	0.581616	1.1375674	1.1323215
3/25/2014 22:30	1.8257854	0.558628	0.964934	0.976591	1.391603	0.581555	1.1399476	1.1305242
3/25/2014 23:00	1.823886	0.558462	0.965026	0.9765897	1.392564	0.581493	1.1404381	1.1281059
3/25/2014 23:30	1.8248344	0.558296	0.965118	0.9765884	1.393529	0.581432	1.1382335	1.1283137
3/26/2014 0:00	1.8253915	0.55813	0.965209	0.9782394	1.395316	0.58137	1.1434124	1.129229
3/26/2014 0:30	1.8260751	0.557963	0.965301	0.9777491	1.396842	0.581309	1.1446721	1.12856
3/26/2014 1:00	1.8254261	0.557797	0.965393	0.9766302	1.39623	0.581247	1.142511	1.1324623
3/26/2014 1:30	1.8274477	0.557631	0.965485	0.9757909	1.39418	0.581186	1.1423807	1.131393

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/26/2014 2:00	1.8239343	0.557465	0.965576	0.9743222	1.393682	0.581124	1.1389358	1.1297098
3/26/2014 2:30	1.822368	0.557299	0.965668	0.9727775	1.391114	0.581063	1.1405824	1.1291952
3/26/2014 3:00	1.82248	0.557133	0.96576	0.9727775	1.393051	0.581001	1.1405388	1.1304055
3/26/2014 3:30	1.8222675	0.556967	0.965851	0.9727775	1.395015	0.58094	1.1448783	1.1280076
3/26/2014 4:00	1.8233901	0.556801	0.9673	0.9729468	1.391928	0.580879	1.1440667	1.1286917
3/26/2014 4:30	1.8215018	0.556635	0.968642	0.9733283	1.391806	0.580817	1.1428585	1.1273938
3/26/2014 5:00	1.8197048	0.556469	0.968627	0.9736136	1.389871	0.580756	1.1398568	1.1281302
3/26/2014 5:30	1.8195623	0.556303	0.968612	0.9736868	1.390681	0.580694	1.140164	1.1268254
3/26/2014 6:00	1.8177499	0.556136	0.968245	0.9737601	1.391833	0.580633	1.1397007	1.1294436
3/26/2014 6:30	1.820404	0.55597	0.967815	0.9738333	1.390571	0.580571	1.1404163	1.1258352
3/26/2014 7:00	1.8182099	0.555804	0.967736	0.9739065	1.38986	0.58051	1.1404008	1.128378
3/26/2014 7:30	1.8179149	0.555638	0.967656	0.9739797	1.388558	0.580448	1.1427604	1.1296527
3/26/2014 8:00	1.8150546	0.555472	0.967577	0.9746362	1.386608	0.580387	1.1453993	1.1323178
3/26/2014 8:30	1.8119146	0.555306	0.967497	0.9756768	1.38507	0.580326	1.1403516	1.1268375
3/26/2014 9:00	1.8042164	0.55514	0.967418	0.9755723	1.381759	0.580264	1.145642	1.1311845
3/26/2014 9:30	1.8027353	0.554974	0.967338	0.9754677	1.378368	0.580203	1.1416761	1.1255123
3/26/2014 10:00	1.7995334	0.554808	0.966966	0.9752911	1.37693	0.580141	1.1405352	1.1285385
3/26/2014 10:30	1.7945197	0.554642	0.966281	0.9747065	1.371736	0.58008	1.1370623	1.1216122
3/26/2014 11:00	1.7927801	0.554475	0.965888	0.9720499	1.371573	0.580018	1.1372449	1.1201537
3/26/2014 11:30	1.7921312	0.554309	0.965494	0.9708775	1.368928	0.579957	1.1296812	1.1176987
3/26/2014 12:00	1.7906587	0.554143	0.965101	0.9713929	1.36979	0.579895	1.1324839	1.1196529
3/26/2014 12:30	1.7907755	0.553977	0.964708	0.9702791	1.369844	0.579834	1.1328104	1.1176112
3/26/2014 13:00	1.787054	0.553811	0.964315	0.9697644	1.368343	0.579772	1.1306881	1.1184626
3/26/2014 13:30	1.787116	0.553645	0.963922	0.9692497	1.365061	0.579711	1.1263466	1.1141685
3/26/2014 14:00	1.7856096	0.553479	0.963529	0.9686963	1.365133	0.57965	1.1307892	1.1143743
3/26/2014 14:30	1.7857225	0.552574	0.963136	0.9682214	1.364136	0.579588	1.130072	1.1169775
3/26/2014 15:00	1.785012	0.551827	0.962743	0.9681997	1.363228	0.579527	1.1307663	1.1143451
3/26/2014 15:30	1.7846036	0.551819	0.96235	0.9680407	1.360171	0.579465	1.1275549	1.1146448
3/26/2014 16:00	1.7813334	0.55181	0.961957	0.9678817	1.361147	0.579404	1.1260217	1.1175109
3/26/2014 16:30	1.7844241	0.551802	0.961563	0.9677227	1.361576	0.579342	1.1288779	1.1157224
3/26/2014 17:00	1.7860047	0.551794	0.959268	0.9675637	1.359605	0.579281	1.127024	1.1134171
3/26/2014 17:30	1.7855177	0.551785	0.956852	0.9674046	1.359177	0.579219	1.1278116	1.1126203
3/26/2014 18:00	1.7829808	0.551777	0.956338	0.9672456	1.359138	0.579158	1.125493	1.1126164
3/26/2014 18:30	1.7864336	0.551768	0.955182	0.9665572	1.361731	0.578345	1.1277896	1.1142558
3/26/2014 19:00	1.7864684	0.55176	0.958124	0.9666811	1.361088	0.577612	1.1292268	1.1152712
3/26/2014 19:30	1.7890299	0.551752	0.957967	0.9665359	1.362767	0.577631	1.1262872	1.1156285
3/26/2014 20:00	1.7849542	0.551743	0.957811	0.9663907	1.36111	0.57765	1.126815	1.1157305
3/26/2014 20:30	1.7871485	0.551735	0.957654	0.9662454	1.36052	0.577669	1.1305155	1.1164586
3/26/2014 21:00	1.7884819	0.551726	0.957497	0.9661002	1.360942	0.577688	1.1264894	1.1170492
3/26/2014 21:30	1.7868052	0.551718	0.95734	0.9659549	1.360447	0.577707	1.1287744	1.1174287
3/26/2014 22:00	1.7820107	0.55171	0.957183	0.9658097	1.361087	0.577726	1.1295686	1.1162787
3/26/2014 22:30	1.7793837	0.551701	0.957026	0.9656645	1.359173	0.577745	1.1286759	1.1147742
3/26/2014 23:00	1.7793643	0.551693	0.956869	0.9683031	1.357835	0.577764	1.1340297	1.1149013
3/26/2014 23:30	1.7812574	0.551684	0.958713	0.9719732	1.361191	0.577783	1.1298669	1.1161253
3/27/2014 0:00	1.7777316	0.551676	0.961793	0.9728474	1.356693	0.577802	1.1262591	1.1162568
3/27/2014 0:30	1.7768879	0.551668	0.961643	0.9737216	1.357886	0.577821	1.1311221	1.1179068
3/27/2014 1:00	1.7766514	0.551659	0.961493	0.9733078	1.356401	0.57784	1.1311044	1.11713
3/27/2014 1:30	1.7753368	0.551651	0.960346	0.9713752	1.353509	0.577859	1.1303055	1.1197758
3/27/2014 2:00	1.7744771	0.551642	0.959672	0.9680304	1.353554	0.577878	1.1321331	1.1183297
3/27/2014 2:30	1.7742812	0.551634	0.959995	0.9680348	1.354401	0.577897	1.1366755	1.1207917

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/27/2014 3:00	1.7722573	0.551626	0.960318	0.9689514	1.352877	0.577916	1.1333615	1.1187684
3/27/2014 3:30	1.7725877	0.551617	0.960641	0.9710114	1.355322	0.577935	1.1320865	1.1172783
3/27/2014 4:00	1.7736068	0.551609	0.960965	0.9723372	1.355622	0.577954	1.132102	1.1194942
3/27/2014 4:30	1.7729873	0.5516	0.961288	0.9723547	1.354859	0.577973	1.1307561	1.1210496
3/27/2014 5:00	1.7702721	0.551592	0.961611	0.9724223	1.352574	0.577992	1.1314354	1.1194642
3/27/2014 5:30	1.7705215	0.551584	0.961934	0.9723085	1.351428	0.578011	1.133352	1.1187166
3/27/2014 6:00	1.76564	0.551575	0.962257	0.9721447	1.349488	0.57803	1.1355632	1.1208461
3/27/2014 6:30	1.7651946	0.551567	0.96258	0.971981	1.347714	0.578049	1.1356213	1.1188352
3/27/2014 7:00	1.7663951	0.551558	0.962903	0.9728069	1.347866	0.578068	1.1352725	1.1179011
3/27/2014 7:30	1.7647529	0.55155	0.963226	0.9749678	1.34658	0.578087	1.1364914	1.1210277
3/27/2014 8:00	1.7653394	0.551541	0.966103	0.9754796	1.348149	0.578105	1.1339919	1.1195715
3/27/2014 8:30	1.7650228	0.551533	0.967326	0.9759914	1.345471	0.578124	1.1373632	1.1200573
3/27/2014 9:00	1.7640726	0.551525	0.96743	0.9765032	1.343762	0.578143	1.1350399	1.1204849
3/27/2014 9:30	1.7601002	0.551516	0.967454	0.977015	1.344129	0.578162	1.1350515	1.1223181
3/27/2014 10:00	1.7568422	0.551508	0.967318	0.9811394	1.344998	0.578181	1.1348444	1.1223181
3/27/2014 10:30	1.7538683	0.551499	0.967182	0.9864774	1.341936	0.5782	1.1394134	1.1272623
3/27/2014 11:00	1.7532706	0.551491	0.967013	0.9874693	1.339266	0.578219	1.1389769	1.1318736
3/27/2014 11:30	1.7511915	0.551483	0.966979	0.9901655	1.338051	0.578238	1.1381878	1.1304239
3/27/2014 12:00	1.7488676	0.551474	0.96698	0.9918791	1.339045	0.578257	1.140885	1.131016
3/27/2014 12:30	1.7478409	0.550644	0.96698	0.9920316	1.33589	0.578276	1.1328713	1.1247231
3/27/2014 13:00	1.7474216	0.549968	0.96698	0.9919704	1.335638	0.578295	1.132194	1.1252028
3/27/2014 13:30	1.7446358	0.550115	0.966761	0.991784	1.334387	0.578314	1.1303362	1.1239737
3/27/2014 14:00	1.7431918	0.550261	0.961638	0.9907866	1.332231	0.578333	1.1317322	1.125159
3/27/2014 14:30	1.7416727	0.55002	0.962686	0.9892208	1.332561	0.578736	1.1323767	1.1257029
3/27/2014 15:00	1.7441612	0.549694	0.964092	0.9840932	1.33263	0.579127	1.1336402	1.1242609
3/27/2014 15:30	1.7416752	0.550054	0.964105	0.9852376	1.329435	0.579135	1.1346736	1.1285358
3/27/2014 16:00	1.7429948	0.550415	0.964117	0.986187	1.328572	0.579142	1.1355847	1.12254
3/27/2014 16:30	1.742418	0.550775	0.964129	0.9861684	1.331037	0.57915	1.1364957	1.1276792
3/27/2014 17:00	1.7398829	0.551136	0.964142	0.9861497	1.330783	0.579157	1.1374067	1.1296832
3/27/2014 17:30	1.742251	0.551496	0.964154	0.9858632	1.330877	0.579165	1.1372026	1.1266403
3/27/2014 18:00	1.7415605	0.551857	0.964276	0.9869412	1.33244	0.579173	1.1338871	1.1261115
3/27/2014 18:30	1.7445875	0.552217	0.964446	0.986619	1.331716	0.57918	1.1336352	1.1263364
3/27/2014 19:00	1.7427458	0.552578	0.964506	0.9875372	1.330592	0.579188	1.1350915	1.1260821
3/27/2014 19:30	1.743239	0.552938	0.964567	0.9886479	1.329612	0.579196	1.1266609	1.1225758
3/27/2014 20:00	1.7439352	0.553299	0.964628	0.9894116	1.331924	0.579203	1.1351277	1.1210745
3/27/2014 20:30	1.7460662	0.553659	0.964688	0.9910135	1.33265	0.579211	1.1338593	1.1220663
3/27/2014 21:00	1.7467444	0.55402	0.964749	0.9922178	1.337047	0.579218	1.1321173	1.1243462
3/27/2014 21:30	1.7498977	0.55438	0.96481	0.992584	1.336582	0.579226	1.1366408	1.1281606
3/27/2014 22:00	1.7487097	0.554741	0.96487	0.9929502	1.339625	0.579234	1.1359541	1.1292727
3/27/2014 22:30	1.7477546	0.555101	0.967369	0.9933165	1.338823	0.579241	1.1357293	1.1239981
3/27/2014 23:00	1.7483505	0.555462	0.970371	0.9936827	1.337986	0.579249	1.1374214	1.1226706
3/27/2014 23:30	1.749863	0.555822	0.970407	0.9940489	1.337777	0.579257	1.1386384	1.1284782
3/28/2014 0:00	1.7501874	0.556183	0.970442	0.9944151	1.337761	0.579264	1.1380347	1.1270561
3/28/2014 0:30	1.7505854	0.556543	0.970478	0.9947814	1.340083	0.579272	1.1343896	1.1238852
3/28/2014 1:00	1.7497048	0.556904	0.970513	0.9951476	1.338948	0.579279	1.1388798	1.1223848
3/28/2014 1:30	1.7520661	0.557264	0.970549	0.9881105	1.339783	0.579287	1.1350426	1.1227399
3/28/2014 2:00	1.7485043	0.557625	0.970584	0.9902334	1.337858	0.579295	1.1340782	1.1295779
3/28/2014 2:30	1.751495	0.557985	0.97062	0.9876851	1.342588	0.579302	1.1374229	1.1265782
3/28/2014 3:00	1.75449	0.558346	0.970655	0.9885543	1.341491	0.57931	1.1403292	1.1301872
3/28/2014 3:30	1.7531678	0.558706	0.97326	0.9895693	1.340896	0.579318	1.1384185	1.1264842

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/28/2014 4:00	1.7554686	0.559067	0.96834	0.9910123	1.342016	0.579325	1.1400277	1.1357359
3/28/2014 4:30	1.7550125	0.559427	0.964144	0.9837483	1.342164	0.579333	1.1341615	1.1298011
3/28/2014 5:00	1.7572021	0.559788	0.971867	0.9935704	1.341682	0.579341	1.1421819	1.1337779
3/28/2014 5:30	1.7612571	0.560148	0.972024	0.9931529	1.344142	0.579348	1.1430686	1.1281438
3/28/2014 6:00	1.7618124	0.560509	0.972632	0.9944844	1.34845	0.579356	1.142496	1.1305089
3/28/2014 6:30	1.7565175	0.542022	0.952548	0.9773901	1.342669	0.566885	1.1237606	1.1176669
3/28/2014 7:00	1.7634171	0.556243	0.973546	0.9929552	1.346898	0.58063	1.1445094	1.1334408
3/28/2014 7:30	1.7635032	0.556011	0.973247	0.9923802	1.346762	0.580309	1.1441715	1.1361322
3/28/2014 8:00	1.7645496	0.555779	0.972948	0.9903643	1.347312	0.579989	1.1425233	1.1353716
3/28/2014 8:30	1.7616588	0.555547	0.972649	0.9902593	1.347893	0.579669	1.1373844	1.1302275
3/28/2014 9:00	1.7606784	0.555315	0.972349	0.9932696	1.345542	0.579348	1.1393734	1.1310341
3/28/2014 9:30	1.7603703	0.555083	0.97205	0.9914763	1.346962	0.579028	1.1440115	1.1342026
3/28/2014 10:00	1.7598408	0.554851	0.971751	0.9927561	1.345858	0.578707	1.1398915	1.1353256
3/28/2014 10:30	1.7632022	0.554619	0.971452	0.9954549	1.346083	0.578387	1.144256	1.1326539
3/28/2014 11:00	1.7596502	0.554387	0.971152	0.990992	1.348377	0.578066	1.1389608	1.1318571
3/28/2014 11:30	1.7591019	0.554155	0.970853	0.9889725	1.345361	0.577746	1.1407931	1.13183
3/28/2014 12:00	1.7586615	0.553923	0.970554	0.9889927	1.345578	0.577425	1.1398483	1.134316
3/28/2014 12:30	1.7562071	0.553691	0.970254	0.9890129	1.343684	0.577105	1.1411699	1.1367575
3/28/2014 13:00	1.7586517	0.553459	0.969955	0.9890331	1.343614	0.576785	1.1381115	1.1315231
3/28/2014 13:30	1.7541365	0.553227	0.969656	0.9890532	1.34219	0.576464	1.1416925	1.1276068
3/28/2014 14:00	1.7580188	0.552995	0.969357	0.9890734	1.341233	0.576144	1.1408827	1.1312427
3/28/2014 14:30	1.7567494	0.552763	0.969057	0.9890936	1.343924	0.575823	1.138184	1.1309325
3/28/2014 15:00	1.7583413	0.552532	0.968758	0.9891138	1.340092	0.575503	1.1377225	1.1256156
3/28/2014 15:30	1.7555016	0.5523	0.967109	0.989134	1.339385	0.575182	1.137114	1.1247771
3/28/2014 16:00	1.7540658	0.552068	0.968123	0.9891387	1.340639	0.574862	1.136713	1.1265479
3/28/2014 16:30	1.7219884	0.410841	0.703568	0.7052594	1.338321	0.429173	0.9437474	1.124073
3/28/2014 17:00	1.7482003	0.490807	0.881696	0.9089281	1.302505	0.523958	1.0346503	1.0179409
3/28/2014 17:30	1.763724	0.54959	0.96508	0.991454	1.349011	0.576347	1.135722	1.1269006
3/28/2014 18:00	1.7626471	0.549602	0.965317	0.9904474	1.347628	0.576504	1.1338899	1.1291955
3/28/2014 18:30	1.76571	0.549614	0.965554	0.9889377	1.34679	0.576661	1.1354906	1.1256774
3/28/2014 19:00	1.7641485	0.549627	0.965791	0.9875644	1.348566	0.576818	1.1376527	1.1300719
3/28/2014 19:30	1.7660866	0.549639	0.966029	0.9866912	1.347128	0.576975	1.1379097	1.1289442
3/28/2014 20:00	1.7657692	0.549652	0.966266	0.9862334	1.3504	0.577132	1.1411028	1.1290221
3/28/2014 20:30	1.7706067	0.549664	0.96758	0.9906535	1.352921	0.577289	1.1380631	1.1304874
3/28/2014 21:00	1.7742689	0.549676	0.969566	0.9922233	1.35913	0.577446	1.1431471	1.1332664
3/28/2014 21:30	1.7771982	0.549689	0.970475	0.992595	1.358133	0.577603	1.1432695	1.1331534
3/28/2014 22:00	1.7794198	0.549701	0.971384	0.9930195	1.359069	0.57776	1.1453422	1.1357056
3/28/2014 22:30	1.7810388	0.549713	0.972292	0.9977409	1.359642	0.577917	1.1467112	1.1369188
3/28/2014 23:00	1.7821212	0.549726	0.973201	0.9954479	1.362222	0.578074	1.1495912	1.1369976
3/28/2014 23:30	1.781946	0.549738	0.97411	0.9953819	1.362329	0.578231	1.1464982	1.137061
3/29/2014 0:00	1.7799367	0.549751	0.975019	0.995316	1.36191	0.578388	1.148385	1.1411997
3/29/2014 0:30	1.7831701	0.549763	0.975927	0.9937075	1.364445	0.578545	1.1480999	1.1405174
3/29/2014 1:00	1.7849725	0.549775	0.976836	0.9984394	1.364451	0.578702	1.1531313	1.1408363
3/29/2014 1:30	1.7871202	0.549788	0.977745	0.998278	1.367301	0.578859	1.1504137	1.1402171
3/29/2014 2:00	1.7871003	0.5498	0.978654	0.9993106	1.3662	0.579016	1.1523603	1.1450859
3/29/2014 2:30	1.7875441	0.549813	0.979562	1.0003608	1.366196	0.579173	1.1530128	1.1426712
3/29/2014 3:00	1.7901533	0.549825	0.980471	1.0003766	1.365337	0.57933	1.1539732	1.143292
3/29/2014 3:30	1.7918847	0.549837	0.98138	1.0045168	1.369911	0.579487	1.1537823	1.1430667
3/29/2014 4:00	1.7980853	0.54985	0.985164	1.0087887	1.371705	0.579645	1.1582763	1.1458386
3/29/2014 4:30	1.7970642	0.549862	0.982664	1.0026541	1.376442	0.579802	1.1607642	1.1499716

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/29/2014 5:00	1.8004437	0.549874	0.983395	1.0051636	1.37624	0.579959	1.1618949	1.1510274
3/29/2014 5:30	1.8015408	0.549887	0.984126	1.0037177	1.37864	0.580116	1.1566865	1.1509937
3/29/2014 6:00	1.8036889	0.549899	0.984857	1.0043785	1.378872	0.580273	1.1603327	1.1509391
3/29/2014 6:30	1.8032538	0.549912	0.98582	1.0068111	1.378912	0.58043	1.1612101	1.1504984
3/29/2014 7:00	1.8021429	0.549924	0.985599	1.0064152	1.378406	0.580587	1.1599295	1.1519736
3/29/2014 7:30	1.804685	0.549936	0.985146	1.0061953	1.378736	0.580744	1.161133	1.1479507
3/29/2014 8:00	1.8065307	0.560747	0.984381	1.0061953	1.378257	0.585229	1.1578514	1.1487118
3/29/2014 8:30	1.8071915	0.565491	0.983062	1.0066271	1.378679	0.589444	1.1630043	1.1517256
3/29/2014 9:00	1.8074477	0.565046	0.982054	1.0079241	1.382244	0.589332	1.1618379	1.1521218
3/29/2014 9:30	1.8076422	0.564601	0.981046	1.0067611	1.381195	0.58922	1.1607548	1.1504515
3/29/2014 10:00	1.8075222	0.564156	0.979612	1.0032416	1.377198	0.589108	1.1600607	1.1451489
3/29/2014 10:30	1.8051593	0.563712	0.979087	0.9981298	1.378945	0.588996	1.1576676	1.1474483
3/29/2014 11:00	1.806282	0.563267	0.978988	0.9943211	1.375883	0.588883	1.1579564	1.145219
3/29/2014 11:30	1.8037308	0.562822	0.97709	0.9929619	1.375631	0.588771	1.151347	1.1407857
3/29/2014 12:00	1.8041842	0.562378	0.973508	0.9981893	1.37563	0.588659	1.1474529	1.1402466
3/29/2014 12:30	1.8023046	0.561933	0.973661	0.9949414	1.374424	0.588547	1.1493088	1.1420495
3/29/2014 13:00	1.8012753	0.561488	0.97289	0.9923856	1.374327	0.588435	1.1495938	1.140426
3/29/2014 13:30	1.7983794	0.561043	0.972087	0.990259	1.372941	0.588322	1.1438426	1.1359569
3/29/2014 14:00	1.7986742	0.560599	0.971284	0.9915826	1.370742	0.58821	1.1468292	1.1360264
3/29/2014 14:30	1.7999919	0.560154	0.970481	0.991095	1.372103	0.588098	1.1488945	1.1374318
3/29/2014 15:00	1.8005241	0.559709	0.969678	0.9892127	1.370148	0.587986	1.1450865	1.1338388
3/29/2014 15:30	1.7969113	0.559265	0.968875	0.9877737	1.368786	0.587874	1.1465435	1.1315335
3/29/2014 16:00	1.7966193	0.55882	0.968072	0.988473	1.369309	0.587761	1.1433128	1.1338935
3/29/2014 16:30	1.7957968	0.558375	0.967269	0.9894005	1.367821	0.587649	1.1420238	1.1325822
3/29/2014 17:00	1.7972343	0.55793	0.966466	0.9888977	1.368837	0.587537	1.1398876	1.1256997
3/29/2014 17:30	1.7936002	0.557486	0.965663	0.9885379	1.36868	0.587425	1.1404899	1.1294866
3/29/2014 18:00	1.797836	0.557041	0.96486	0.9881781	1.371026	0.587313	1.1395365	1.1294867
3/29/2014 18:30	1.7962347	0.556596	0.964057	0.9878184	1.368845	0.5872	1.1411886	1.1310874
3/29/2014 19:00	1.7998794	0.556152	0.963209	0.9872752	1.370395	0.587088	1.1399016	1.1299003
3/29/2014 19:30	1.8025404	0.555707	0.964046	0.9887455	1.373203	0.586976	1.1412711	1.12929
3/29/2014 20:00	1.8051281	0.555262	0.964927	0.989149	1.375695	0.586864	1.1425257	1.1364134
3/29/2014 20:30	1.8109132	0.554817	0.965809	0.9895526	1.379409	0.586752	1.1489049	1.1379268
3/29/2014 21:00	1.8136663	0.554373	0.966691	0.9899561	1.381636	0.586639	1.1476062	1.1378826
3/29/2014 21:30	1.8117368	0.553928	0.970022	0.9914871	1.381921	0.586527	1.1485822	1.1388472
3/29/2014 22:00	1.8096657	0.55327	0.972474	0.9928616	1.381055	0.586415	1.1494346	1.1378418
3/29/2014 22:30	1.8123712	0.553054	0.972477	0.9931086	1.382643	0.586303	1.1484702	1.1401643
3/29/2014 23:00	1.8117717	0.553051	0.972479	0.9933557	1.3829	0.586191	1.1496116	1.1372441
3/29/2014 23:30	1.8118869	0.553049	0.972481	0.9936028	1.384251	0.586078	1.1490923	1.1369096
3/30/2014 0:00	1.8148901	0.553046	0.972483	0.9955211	1.384189	0.585966	1.1504262	1.139156
3/30/2014 0:30	1.8186075	0.553043	0.972485	0.9945423	1.386366	0.585854	1.1502549	1.1398302
3/30/2014 1:00	1.8181987	0.553041	0.972488	0.9918923	1.385294	0.583102	1.1492899	1.1416246
3/30/2014 1:30	1.8154802	0.553038	0.97249	0.9922585	1.385661	0.580462	1.1467918	1.1427527
3/30/2014 2:00	1.8138891	0.553036	0.972492	0.9903678	1.383168	0.580462	1.1481016	1.1396441
3/30/2014 2:30	1.8152134	0.553033	0.972494	0.989639	1.384282	0.580462	1.1465361	1.1367652
3/30/2014 3:00	1.81524	0.55303	0.972496	0.9894398	1.385741	0.580462	1.146757	1.1355029
3/30/2014 3:30	1.8166456	0.553028	0.972498	0.9918685	1.382836	0.580462	1.1450943	1.1374353
3/30/2014 4:00	1.8182899	0.553025	0.972501	0.992145	1.38707	0.580462	1.1513003	1.1382421
3/30/2014 4:30	1.8183226	0.553023	0.972503	0.990936	1.384779	0.580462	1.1509329	1.1361397
3/30/2014 5:00	1.8193416	0.55302	0.972505	0.9936827	1.386377	0.580462	1.1460101	1.1374116
3/30/2014 5:30	1.8204823	0.553017	0.972507	0.9893344	1.386328	0.580462	1.1469012	1.1405891

Preliminary Data from Central Monitoring System								
Date and	Filter Bank 41-B-856 (in wg*)				Filter Bank 41-B-857 (in wg*)			
Time	MOD	HIGH	HEPA 1	HEPA 2	MOD	HIGH	HEPA 1	HEPA 2
3/30/2014 6:00	1.8198472	0.553015	0.972509	0.9921253	1.388384	0.580462	1.1495019	1.1387864
3/30/2014 6:30	1.8209693	0.553012	0.972511	0.9925517	1.388157	0.580462	1.1484053	1.1346465
3/30/2014 7:00	1.8216259	0.55301	0.972569	0.9947037	1.391347	0.580462	1.1496197	1.1371831
3/30/2014 7:30	1.8234156	0.553007	0.972598	0.9962669	1.390793	0.580462	1.1489321	1.1405282
3/30/2014 8:00	1.8239007	0.553004	0.972572	0.9961044	1.389515	0.580462	1.1494101	1.1372343
3/30/2014 8:30	1.8202612	0.553002	0.972545	0.9959419	1.386481	0.580462	1.1504105	1.1412577
3/30/2014 9:00	1.8188533	0.552999	0.972519	0.9957795	1.384392	0.580462	1.147142	1.1371007
3/30/2014 9:30	1.8165043	0.552996	0.972492	0.9854427	1.384636	0.580462	1.1450779	1.1355437
3/30/2014 10:00	1.8128006	0.552994	0.972466	0.9845842	1.382857	0.580462	1.146072	1.1374364
3/30/2014 10:30	1.8100632	0.552991	0.972439	0.9837257	1.381619	0.580462	1.1393873	1.1289606
3/30/2014 11:00	1.8109153	0.552989	0.972413	0.9828672	1.377154	0.580462	1.139787	1.1301723
3/30/2014 11:30	1.8077981	0.550336	0.963579	0.9803686	1.377042	0.580462	1.1378698	1.1286522
3/30/2014 12:00	1.8042964	0.547829	0.953559	0.9799383	1.376737	0.580462	1.1346515	1.128595
3/30/2014 12:30	1.8016364	0.547973	0.952338	0.9791977	1.375477	0.580462	1.1345255	1.1265169
3/30/2014 13:00	1.8046713	0.548117	0.950461	0.9737084	1.374853	0.580462	1.1316128	1.1244706
3/30/2014 13:30	1.80255	0.548262	0.948172	0.9721978	1.373358	0.580462	1.1337423	1.1230609
3/30/2014 14:00	1.8006406	0.548406	0.95226	0.9706872	1.371905	0.580462	1.1313441	1.1234844
3/30/2014 14:30	1.8002685	0.54855	0.953655	0.9690697	1.371448	0.580462	1.1258619	1.1215533
3/30/2014 15:00	1.7998949	0.548694	0.953453	0.977996	1.369176	0.580462	1.1284242	1.1197121
3/30/2014 15:30	1.7992351	0.548838	0.953252	0.9730061	1.370853	0.580462	1.1282739	1.1188816
3/30/2014 16:00	1.7979407	0.548982	0.953051	0.9715584	1.368687	0.580462	1.126289	1.1178864
3/30/2014 16:30	1.797429	0.549126	0.952514	0.9711023	1.369263	0.580462	1.1240698	1.1157034
3/30/2014 17:00	1.7973389	0.54927	0.952154	0.9685837	1.367052	0.580462	1.1238441	1.117814
3/30/2014 17:30	1.7976596	0.549415	0.952131	0.9679365	1.367798	0.580462	1.1236044	1.1175374
3/30/2014 18:00	1.8012376	0.549559	0.952108	0.9693518	1.371202	0.580462	1.1268563	1.1168767
3/30/2014 18:30	1.8009622	0.549703	0.952084	0.9707671	1.369847	0.580462	1.1286776	1.1142686
3/30/2014 19:00	1.8029319	0.549847	0.951967	0.9741024	1.370149	0.580462	1.1295436	1.1149928
3/30/2014 19:30	1.8053846	0.549991	0.95077	0.9744884	1.370289	0.580462	1.131552	1.1155902
3/30/2014 20:00	1.8069985	0.550135	0.94999	0.974063	1.372653	0.580462	1.1314701	1.1157288
3/30/2014 20:30	1.8087478	0.550279	0.950245	0.9736376	1.37389	0.580462	1.1279605	1.1165535
3/30/2014 21:00	1.8099968	0.550423	0.950499	0.9732122	1.375776	0.580462	1.1319776	1.1241436
3/30/2014 21:30	1.8091831	0.550567	0.950753	0.9725533	1.375921	0.580462	1.129337	1.1230136
3/30/2014 22:00	1.8137422	0.550712	0.951008	0.9722408	1.376397	0.580462	1.1325246	1.1197601
3/30/2014 22:30	1.8112114	0.550856	0.951262	0.972162	1.377282	0.580462	1.1322678	1.1213664
3/30/2014 23:00	1.8115517	0.551	0.951516	0.9720831	1.378866	0.580462	1.1335581	1.1237689
3/30/2014 23:30	1.8153575	0.551144	0.951771	0.9716279	1.380365	0.580462	1.1279949	1.1207555
3/31/2014 0:00	1.8109331	0.551288	0.952025	0.9754668	1.380172	0.580462	1.1284974	1.12159

***in wg - inches of water gauge**