ENTERED

RECEIVED

APR - 2 2014

NMED
Hazardous Waste Bureau

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

MAR 3 1 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 23, 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 23, 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 R. Flynn to Jose R. Franco, M. Farok Sharif, George W. Hellstrom, and Dennis N. Cook. This report is enclosed along with a compact disc containing data requested by the Administrative Order.

We certify under penalty of law that this document and all attachments were prepared under our direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on our inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of our knowledge and belief, true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

If you have any questions, please contact Mr. George T. Basabilvazo at (575) 234-7488.

Sincerely,

Jose R. Franco, Manager
Carlsbad Field Office

Robert L. McQuinn, Project Manager
Nuclear Waste Partnership LLC

Enclosures

cc: w/enclosures
T. Kliphuis, NMED * ED
J. Sales, EPA ED
CBFO M&RC
*ED denotes electronic distribution

CBFO:OESH:GTB:MN:14-1459:UFC 5486.00

1403195

Weekly Status Report for the February 28, 2014, New Mexico Environment Department Administrative Order Required Information Report for the Reporting Period March 17, 2014, through March 23, 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 in the enclosed compact disc.

Surface Volatile Organic Compound (VOC) monitoring is being evaluated to determine its feasibility in lieu of collecting repository samples (Stations VOC-A and VOC-B), while the facility is in the recovery operation. Because the underground was not accessible after the fire event, only one passive 6-hour VOC sample has been collected since February 5, 2014, and this sample was collected on February 12, 2014, near the Training Building. See Attachment 4 for analytical data.

In addition, samples have been collected at two locations twice each week since February 25, 2014. These samples are passive 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 help identify any VOC exposure to the Training Building receptor. The samples at the south fence line are being taken as a background measurement. 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 as access to the WIPP Facility allows.

Status: One passive 6-hour sample was collected at the Training Building on February 12, 2014. Beginning on February 25, 2014, passive samples (24-hour) have been collected as discussed above. See Attachment 4 for analytical data.

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*. No change for this reporting period.

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

See Attachment 2. No change for this reporting period.

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) on the enclosed compact disc.

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 a spreadsheet printout with the location of environmental monitoring equipment (including identification whether they are stationary, mobile, or permanent) and data. Maps displaying monitoring locations are included. The following briefly describes the monitoring information that is being provided in Attachment 4 on the enclosed compact disc.

- VOC monitoring stations – Portable surface monitoring equipment has been deployed as described in Item 14 (a) of the March 17, 2014, report. Initial sample analysis is provided in Attachment 4.

- Radiological monitoring stations – Stationary low volume air samplers continuously sample air at the locations shown in Attachment 4.

- Meteorological monitoring data are being provided on the electronic disk enclosed. Data from the WIPP meteorology station are included for the period, March 17, 2014 through March 23, 2014.

- Soil samples – Soil samples were obtained on the dates and locations shown in Attachment 4.

- Surface water monitoring – Surface water samples were obtained on the dates and at the locations shown in Attachment 4.

- Vegetation samples – Vegetation 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,* on the enclosed compact disc.

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

See Attachment 5, *Filter Differential Pressures,* 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	Underground Pre Op	No inspection has been performed due to fire/radiation incident. No hoisting of personnel or material has been performed using the Air Intake Shaft.
Ambulances (Surface) and related emergency supplies and equipment	Emergency Services	Weekly	12-FP0030 Inspecting for Mechanical Operability, Deterioration, and Required Equipment[n]	3/23/14	
Adjustable Center of Gravity Lift Fixture	Waste Handling	Preoperational	WP 05-WH1410 Inspecting for Mechanical Operability and Deterioration	3/24/14	
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.	Surface Done 2/23/14	Inspections current
Facility Inspections (Water Diversion Berms)	Facility Engineering	Annually	WP 10-WC3008 Inspecting for Damage, Impediments to water flow, and Deterioration	Surface Done 11/18/13 Due 11/14	Inspections current.
Central Monitoring Systems (CMS)	Facility Operations	Continuous	Automatic Self-Checking	automatic	Inspections current.

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
Conveyance Loading Car	Waste Handling	Preoperational	WP 05-WH1406 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles, and guards in the proper place	Last completed 2-5-14	No additional inspections have been performed since the fire/rad incident.
Facility Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1204 Inspecting for Mechanical Operability, Deterioration, path clear of obstacles, and guards in the proper place	Last completed 3-24-14	No additional inspections have been performed since the fire/rad incident.
Exhaust Shaft	Underground Operations	Quarterly	PM041099 Inspecting for Deterioration and Leaks/Spills	Due 3/31/14	No additional inspections have been performed since the fire/rad incident.
Eye Wash and Shower Equipment	Equipment Custodian	Weekly	WP 12-IS1832 Inspecting for Deterioration	3/17/14 to 3/19/14*	* 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.
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	Done 1/7/14 Due 7/7/14	
Fire Detection and Alarm System	Emergency Services	Monthly/QTG/Annual	12-FP0028 Inspecting for Deterioration, Operability, leaks/spills and alarms received	3/23/14	

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 Extinguishers	Emergency Services	Monthly	12-FP0036 Inspecting for Deterioration, Leaks/Spills, Expiration, seals, fullness, and pressure	Surface inspections current Due 3/31/14	.
Fire Hoses	Emergency Services	Annually (minimum)	12-FP0031Inspecting for Deterioration and Leaks/Spills	Annual due 3/31/14	
Fire Hydrants	Emergency Services	Semi-annual/ annually	12-FP0034 Inspecting for Deterioration and Leaks/Spills	5-year test done 11/23/13 Semi-annual due 3/28/14	Inspections current
Fire Pumps	Emergency Services	Weekly/annually	WP 12-FP0026 Inspecting for Deterioration, Leaks/Spills, valves, and panel lights	3/17/14	
Fire Sprinkler Systems	Emergency Services	Monthly/ quarterly	WP 12-FP0025 Inspecting for Deterioration, Leaks/Spills, static pressures, and removable strainers	3/23/14	
Fire and Emergency Response Trucks (Seagrave Fire Apparatus, Emergency One Apparatus, and Underground Rescue Truck)	Emergency Services	Weekly	12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment[n]	3/21/14	

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
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	3/24/14	
Hazardous Material Response Equipment (Surface)	Emergency Services	Weekly	12-FP0033Inspecting for Mechanical Operability, Deterioration, and Required Equipment	3/18/14	
Perimeter Fence, Gates, Signs	Security	Daily	PF0-010 Inspecting for Deterioration and Posted Warnings	Inspections current Performed with daily rounds	Security makes inspections of the perimeter and signage multiple times daily.
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	Surface 2/26/14	U/G not performed due to radiological and/or fire event.
Radio Equipment	Facility Operations	Daily	Radios are operated daily and are repaired upon failure	3/23/14	
Rescue Truck (Surface)	Emergency Services	Weekly	12-FP0030 and 12-FP0033 Inspecting for Mechanical Operability, Deterioration, Leaks/Spills, and Required Equipment[n]	3/20/14	

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
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	3/18/14	
Surface TRU Mixed Waste Handling Area	Waste Handling	Preoperational or Weekly	WP 05-WH1101 Inspecting for Deterioration, Leaks/Spills, Required Aisle Space, Posted Warnings, Communication Systems, Container Condition, and Floor coating integrity	Weekly 3/19/14 Pre Op 3/24/14	
TRU Mixed Waste Decontamination Equipment	Waste Handling	Annually	WP 05-WH1101 Inspecting for Required Equipment[n]	Last completed 12-31-13 for the annual.	Inspection is current, will be performed again December 2014
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.	3/23/14	
TDOP Upender	Waste Handling	Preoperational	WP 05-WH1010 Inspecting for Mechanical Operability and Deterioration	Last completed 10-9-13 as a pre-operational.	
Vehicle Siren	Emergency Services	Weekly	Functional Test included with inspection of the Ambulances, Fire Trucks, and Rescue Trucks	3/23/14	No underground inspections have been performed to U/G equipment due to inability to access U/G because of fire and/or radiation events. No personnel have been in the underground pending finalization and implementation of recovery plans.

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
Ventilation Exhaust	Maintenance Operations	Quarterly	IC041098 Check for Deterioration and Calibration of Mine Ventilation Rate Monitoring Equipment	12/24/13	
Water Tank Level	Facility Operations	Monthly	SDD-WD00 Inspecting for deterioration, with no multifunction alarms. Results of this inspection are logged in accordance with WP04-AD3008	3/23/14	
Waste Handling Cranes	Waste Handling	Preoperational	WP 05-WH1407 Inspecting for Mechanical Operability, Deterioration, and Leaks/Spills	Last completed 2-11-14 as a pre-operational.	No inspections have been performed to U/G equipment due to inability to access U/G because of fire and/or radiation events. No personnel have been in the underground pending finalization and implementation of recovery plans.
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 inspections have been performed to U/G equipment due to inability to access U/G because of fire and/or radiation events. No personnel have been in the underground pending finalization and implementation of recovery plans.
Trailer Jockey	Waste Handling	Preoperational	WP 05-WH1405 Inspecting for Mechanical Operability and Deterioration	3/24/14	
Bolting Robot	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability	Last completed 6-29-12 as a pre-operational.	Bolting robot is Out of Service as of 6-29-12.
Yard Transfer Vehicle	Waste Handling	Preoperational	WP 05-WH1205 Mechanical Operability, clear of obstacles and Guards in proper place	3/24/14	
Monorail Hoist	Waste Handling	Preoperational	WP 05-WH1202 Mechanical Operability, and leaks/spills	3/24/14	

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
Bolting Station	Waste Handling	Preoperational	WP 05-WH1203 Mechanical Operability, Deterioration, and Guards in proper place	3/24/14	

RH TRU Mixed Waste Inspection Status as of March 17, 2014

System/ Equipment Name	Responsible Organization [J]	Inspection [a] Frequency and Job Title of Personnel Normally Making Inspection [J]	Procedure Number and Inspection Criteria	Current Inspection Status	Comments
Cask Transfer Car(s)	Waste Operations	Pre-evolution	WP05-WH1701 PM041187 (Semi-Annual) Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication	Last completed 1-22-14 as a pre-evolutional. Last completed as a preoperational to move and operate the Cask Transfer Car.	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status.
RH Bay Overhead Bridge Crane	Waste Operations	Preoperational	WP05-WH1741 PM041232 (Quarterly) PM041117 (Annual) Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication	Last completed 2-26-14 as a preoperational.	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Facility Cask	Waste Operations	Pre-evolution	WP05-WH1713 PM041201 (Annual) PM041203 (Annual) Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical PM.	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
RH Bay Cask Lifting Yoke	Waste Operations	Preoperational	WP05-WH1741 PM041169 (Annual) Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status

Facility Cask Transfer Car	Waste Operations	Pre-evolution	Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication Electrical Inspection	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Facility Cask Rotating Device	Waste Operations	Pre-evolution	WP05-WH1713 PM041175 (Annual) PM041176 (Annual) Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication Electrical Inspection	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Facility Grapple	Waste Operations	Pre-evolution	WP05-WH1721 PM041172 (Quarterly) PM041177 (Annual) Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear. Non-Destructive Examination	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
6.25-Ton Grapple Hoist	Waste Operations	Pre-evolution	WP05-WH1721 PM041173 (Annual) Pre-evolution Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Transfer Cell Shuttle Car	Waste Operations	Pre-evolution	WP05-WH1705 PM041184 (Semi-Annual) PM041222 (Annual) Pre-evolution Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection.	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status

Cask Unloading Room	Waste Operations	Preoperational	WP05-WH1744 Floor integrity	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Hot Cell	Waste Operations	Preoperational	WP05-WH1744 Floor integrity	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Hot Cell Overhead Powered Manipulator	Waste Operations	Preoperational	WP05-WH1743 PM041215 (Annual) PM041216 (Annual) IC411037 (Annual) Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Hot Cell Bridge Crane	Waste Operations	Preoperational	WP05-WH1742 PM041217 (Annual) PM041209 (Annual) IC411038 (Annual) Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration.	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Transfer Cell	Waste Operations	Preoperational	WP05-WH1744 Floor integrity	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status

Facility Cask Loading Room	Waste Operations	Preoperational	WP05-WH1744 Floor integrity	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Closed Circuit Television Camera	Waste Operations	Preoperational	WP05-WH1757 Operability	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Radiation Monitoring Equipment	Radiation Control	Preoperational	WP12-HP1245 IC240010 WP12-HP1307 IC240007 WP12-HP1314 (Annual) Operability Checks, Functional Checks, Instrument calibrations, Flow Calibration, Efficiency Checks.	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Cask Unloading Room Crane	Waste Operations	Preoperational	WP05-WH1719 PM041190 (Quarterly) PM041191 (Annual) PM041192 (Annual) IC411035 (Annual) Pre-operational Checks and Operating Instructions. Mechanical Inspection for Wear and Lubrication. Electrical Inspection. Load Cell Calibration.	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Horizontal Emplacement and Retrieval Equipment or functionally equivalent equipment	Waste Operations	Pre-evolution	WP05-WH1700 PM052010 (Semi-Annual)[k] PM052011 (Annual) PM052013 PM052012 PM052014 (Annual) Assembly and Operating Instructions. Electrical Inspection. Position Transducer Calibration. Tilt Sensor Calibration.	See "Comments" section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM's are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status

RH Bay	Waste Operations	Preoperational	WP05-WH1744 Floor integrity	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status
Surface RH TRU Mixed Waste Handling Area	Waste Operations	Preoperational	WP- 05 WH1744 Posted Warning, Communications	See “Comments” section	All RH Equipment, Systems, and Areas are inspected pre-operationally or pre-evolution. Inspection of RH TRU mixed waste equipment and areas in the RH Complex apply only after RH TRU mixed waste receipt begins. Inspections and PM’s are not required for equipment that is out of service. Prior to entering into an RH TRU waste evolution, all PMs and/or inspections will be brought to a current/compliant status

Attachment 2
TRU Mixed Waste Currently in Storage at the WIPP Facility

Parking Area Unit

Site of Origin	Shipment	Receipt Date/Time	Inner-Container Vessel Closure Date/Time	Processed Date	Venting Deadline	WHB Deadline	Package	Assembly	Unemplaced Contents	Capacity[1] (ft^3)
INL	IN140042	2/5/2014 0:34	2/1/2014 11:55	Not Processed	4/1/2014 11:55	Not Processed	132	IN140084	1 SWB	66.3
		2/5/2014 0:34	2/1/2014 11:55	Not Processed	4/1/2014 11:55	Not Processed	132	IN140085	1 SWB	66.3
		2/5/2014 0:34	2/1/2014 11:50	Not Processed	4/1/2014 11:50	Not Processed	136	IN140090	1 SWB	66.3
		2/5/2014 0:34	2/1/2014 11:50	Not Processed	4/1/2014 11:50	Not Processed	136	IN140091	1 SWB	66.3
		2/5/2014 0:34	2/1/2014 11:45	Not Processed	4/1/2014 11:45	Not Processed	515	IN140070	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:35	Not Processed	4/1/2014 11:35	Not Processed	163	IN140078	1 SWB	66.3
		2/5/2014 0:30	2/1/2014 11:35	Not Processed	4/1/2014 11:35	Not Processed	163	IN140079	1 SWB	66.3
		2/5/2014 0:30	2/1/2014 11:40	Not Processed	4/1/2014 11:40	Not Processed	501	IN140074	1 SWB	66.3
INL	IN140044	2/6/2014 1:09	2/3/2014 13:49	Not Processed	4/3/2014 13:49	Not Processed	512	IN136332	7 55G Drums	51.8
INL	IN140045	2/6/2014 1:27	2/3/2014 13:48	Not Processed	4/3/2014 13:48	Not Processed	508	IN140066	1 SWB	66.3
SRS	SR140005	2/5/2014 13:00	1/31/2014 12:34	Not Processed	3/31/2014 12:34	Not Processed	135	SR139977	5 55G Drums	37
		2/5/2014 13:00	1/31/2014 12:34	Not Processed	3/31/2014 12:34	Not Processed	135	SR139978	7 55G Drums	51.8
		2/5/2014 13:00	1/31/2014 12:29	Not Processed	3/31/2014 12:29	Not Processed	155	SR139996	5 55G Drums	37
		2/5/2014 13:00	1/31/2014 12:29	Not Processed	3/31/2014 12:29	Not Processed	155	SR139997	7 55G Drums	51.8
		2/5/2014 13:00	1/31/2014 12:23	Not Processed	3/31/2014 12:23	Not Processed	160	SR140015	5 55G Drums	37
		2/5/2014 13:00	1/31/2014 12:23	Not Processed	3/31/2014 12:23	Not Processed	160	SR140016	7 55G Drums	51.8
SRS	SR314012	1/31/2014 16:10	1/27/2014 10:48	Not Processed	3/27/2014 10:48	Not Processed	4	SR139785	1 SLB2	261
SRS	SR314013	2/1/2014 15:15	1/28/2014 10:40	Not Processed	3/28/2014 10:40	Not Processed	6	SR139789	1 SLB2	261
SRS	SR314014	2/4/2014 13:15	1/30/2014 10:30	Not Processed	3/30/2014 10:30	Not Processed	1	SR139793	1 SLB2	261
---	8 Shipments	---	---	---	---	---	13 Packages	19 Assemblies	---	1,697.90 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

SRS – Savannah River Site

SWB – standard waste box

SLB – standard large box

TDOP – ten-drum overpack

Site of Origin	Shipment	Receipt Date/Time	Inner-Container Vessel Closure Date/Time	Processed Date	Venting Deadline	WHB Deadline	Package	Assembly	Unemplaced Contents	Capacity[1] (ft^3)
INL	IN140036	2/1/2014 22:40	1/25/2014 13:35	2/3/2014 13:15	Vented	5/19/2014 13:15	210	IN139540	1 SWB	66.3
		2/1/2014 22:40	1/25/2014 13:35	2/3/2014 13:15	Vented	5/19/2014 13:15	210	IN139541	1 SWB	66.3
INL	IN140037	2/1/2014 21:11	1/30/2014 14:00	2/2/2014 10:17	Vented	5/18/2014 10:17	166	IN139806	1 TDOP	160
		2/1/2014 21:11	1/30/2014 14:03	2/2/2014 10:24	Vented	5/18/2014 10:24	168	IN139814	1 TDOP	160
INL	IN140040	2/3/2014 0:17	1/31/2014 13:21	2/4/2014 9:04	Vented	5/20/2014 9:04	186	IN140133	1 TDOP	160
		2/3/2014 0:17	1/31/2014 13:16	2/4/2014 12:55	Vented	5/20/2014 12:55	208	IN140144	1 TDOP	160
		2/3/2014 0:17	1/31/2014 13:13	2/4/2014 12:22	Vented	5/20/2014 12:22	505	IN139593	1 SWB	66.3
INL	IN140041	2/3/2014 7:13	1/31/2014 13:40	2/4/2014 9:31	Vented	5/20/2014 9:31	125	IN140129	1 TDOP	160
		2/3/2014 7:13	1/31/2014 13:35	2/4/2014 9:37	Vented	5/20/2014 9:37	203	IN139266	1 TDOP	160
		2/3/2014 7:13	1/31/2014 13:30	2/3/2014 14:37	Vented	5/19/2014 14:37	509	IN140062	1 SWB	66.3
INL	IN140043	2/5/2014 0:30	2/1/2014 11:30	2/11/2014 9:12	Vented	5/27/2014 9:12	191	IN140096	1 SWB	66.3
		2/5/2014 0:30	2/1/2014 11:30	2/11/2014 9:13	Vented	5/27/2014 9:13	191	IN140097	1 SWB	66.3
INL	IN140044	2/6/2014 1:09	2/3/2014 13:55	2/11/2014 10:00	Vented	5/27/2014 10:00	181	IN139670	1 TDOP	160
		2/6/2014 1:09	2/3/2014 13:52	2/11/2014 10:43	Vented	5/27/2014 10:43	202	IN139666	1 TDOP	160
INL	IN140045	2/6/2014 1:27	2/3/2014 13:40	2/11/2014 11:02	Vented	5/27/2014 11:02	142	IN139923	1 TDOP	160
		2/6/2014 1:27	2/3/2014 13:44	2/11/2014 11:00	Vented	5/27/2014 11:00	167	IN140205	1 TDOP	160
LANL	LA140018	2/1/2014 1:30	1/29/2014 14:25	2/1/2014 12:40	Vented	5/17/2014 12:40	172	LA139903	1 SWB	66.3
LANL	LA140019	2/1/2014 1:50	1/30/2014 15:20	2/1/2014 14:25	Vented	5/17/2014 14:25	127	LA139927	1 SWB	66.3
		2/1/2014 1:50	1/30/2014 15:20	2/1/2014 14:26	Vented	5/17/2014 14:26	127	LA139928	1 SWB	66.3
LANL	LA140020	2/3/2014 22:34	2/3/2014 10:05	2/4/2014 16:44	Vented	5/20/2014 16:44	126	LA139972	1 SWB	66.3
		2/3/2014 22:34	2/3/2014 10:15	2/5/2014 8:34	Vented	5/21/2014 8:34	156	LA139965	1 SWB	66.3
		2/3/2014 22:34	2/3/2014 10:15	2/5/2014 8:36	Vented	5/21/2014 8:36	156	LA139966	1 SWB	66.3
		2/3/2014 22:34	2/3/2014 10:00	2/4/2014 16:38	Vented	5/20/2014 16:38	190	LA139983	1 SWB	66.3
LANL	LA140021	2/4/2014 22:40	2/4/2014 9:35	2/5/2014 9:12	Vented	5/21/2014 9:12	133	LA139990	1 SWB	66.3
		2/4/2014 22:40	2/4/2014 9:35	2/5/2014 9:13	Vented	5/21/2014 9:13	133	LA139991	1 SWB	66.3
		2/4/2014 22:40	2/4/2014 9:30	2/11/2014 9:13	Vented	5/27/2014 9:13	137	LA140002	1 SWB	66.3

Site of Origin	Shipment	Receipt Date/Time	Inner-Container Vessel Closure Date/Time	Processed Date	Venting Deadline	WHB Deadline	Package	Assembly	Unemplaced Contents	Capacity[1] (ft^3)
		2/4/2014 22:40	2/4/2014 9:25	2/5/2014 9:32	Vented	5/21/2014 9:32	147	LA140008	1 SWB	66.3
SRS	SR140003	1/24/2014 12:40	1/16/2014 8:45	2/1/2014 8:15	Vented	5/17/2014 8:15	169	SR139200	6 55G Drums	44.4
		1/24/2014 12:40	1/16/2014 8:45	2/1/2014 8:15	Vented	5/17/2014 8:15	169	SR139201	7 55G Drums	51.8
		1/24/2014 12:40	1/16/2014 8:40	2/1/2014 8:32	Vented	5/17/2014 8:32	195	SR139206	4 55G Drums	29.6
		1/24/2014 12:40	1/16/2014 8:40	2/1/2014 8:34	Vented	5/17/2014 8:34	195	SR139207	7 55G Drums	51.8
SRS	SR140004	2/1/2014 15:45	1/23/2014 10:30	2/4/2014 17:50	Vented	5/20/2014 17:50	162	SR139767	7 55G Drums	51.8
		2/1/2014 15:45	1/23/2014 10:30	2/4/2014 17:51	Vented	5/20/2014 17:51	162	SR139766	4 55G Drums	29.6
		2/1/2014 15:45	1/23/2014 10:40	2/4/2014 13:51	Vented	5/20/2014 13:51	193	SR139755	6 55G Drums	44.4
		2/1/2014 15:45	1/23/2014 10:40	2/4/2014 13:52	Vented	5/20/2014 13:52	193	SR139756	7 55G Drums	51.8
		2/1/2014 15:45	1/23/2014 10:35	2/4/2014 17:51	Vented	5/20/2014 17:51	201	SR139760	6 55G Drums	44.4
		2/1/2014 15:45	1/23/2014 10:35	2/4/2014 17:52	Vented	5/20/2014 17:52	201	SR139761	7 55G Drums	51.8
SRS	SR314011	1/28/2014 14:10	1/22/2014 8:30	2/3/2014 12:14	Vented	5/19/2014 12:14	3	SR139781	1 SLB2	261
---	14 Shipments	---	---	---	---	---	28 Packages	38 Assemblies	---	3,439.50 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

Attachment 3
Ventilation Fans Inspection Round Sheets

(See file on compact disc)

Round Sheet Legend

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

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

Date: 031714-032314

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]		(1)		03/17/14 ✓												
AREA SUBSTATION #7 AND TRANSFORMER																		
NO ABNORMAL CONDITIONS [A]		SAT [B]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓
XFMR LIQUID LEVEL	LOW	SAT [B]	HIGH	(2)	~~55~~ ✓ 03/17/14													
XFMR PRESS (kPa)	-2.5		7.5	↓	0													
XFMR WINDING HIGH TEMP (`C)	RESET MONDAY		105`		52													
XFMR LIQUID HIGH TEMP (`C)	RESET MONDAY		105`		55													
UVFS DUCTWORK (NEAR BYPASS DAMPERS)																		
UVFS CONDENSATE CONTAINER LEVEL		[B] [C]	80%	✓	✓	—	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	—	✓
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)

COMMENTS: (1) No Access seismic reading taken from CMR. (cleared RSA)

(2) No Access (cleared RSA)

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

Facility Site Operations and Infrastructure Ventilation Fans Round Sheet

DATE: 03/7/14 – 03/23/14

Location:																	
413, EXHAUST FILTER BLDG.			DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
UVFS FANS			SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
			REVIEWER		Original Signatures on File													
			FOT	C/O														
ITEM	MIN	NORM	MAX															
413-CP-056-01																		
CONTROL PANEL 860 FANS [A]		SAT [B]		1		1		1		1		1		1		1		1
413-CP-307-01B																		
CONTROL PANEL 700 FANS [A]		SAT [B]		2		2		2		2		2		2		2		2
413-CP-056-01C																		
860A U/G FILTRATION FAN (KSCFM)	[D]	[C] [D]	[D]	59 3	58 3	59 3	59 3	59 3	59 3	59 3	59 3	59 3	59 3	59 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
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
413-CP-307-01J																		
700A U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4	TAG 4
413-CP-307-01K																		
700B U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5	TAG 5
413-CP-307-01H																		
700C U/G VENTILATION FAN (KSCFM)	[D]	[D]	[D]	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6	TAG 6

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

APPROVED FOR USE/DATE: Original Signature on File

INFORMATION ONLY

Facility Site Operations and Infrastructure Bldg 458 / 456 Round Sheet

Date: 03/14-03/23/14

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	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
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	66 ①	65 ①	60 ①	65 ①	65 ①	62 ①	64 ①	65 ①	65 ①	65 ①	65 ①	65 ①	65 ①	65 ①	65 ①
456-FIY-010-001 WATER FLOW METER																		
RAW WATER GALLONS	RESET MONDAY [A]			84337		38860												
DOMESTIC WATER GALLONS	RESET MONDAY [A]			58471		52804												
456-FM-045-001 SEWAGE FLOW METER																		
SEWAGE FLOW GALLONS		[B]	23,000	282200 ②		325400		379200 ②		443000 ②		497700 ②		518200 ②		529000 ②		529,200 ②
HACH TEST KIT																		
COLORIMETER FREE CL2 (PPM)	0.7	[C]	1.2	1		.95		.95		.94		1.03		.99		.99		.85

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

APPROVED FOR USE/DATE: Original Signature on File

INFORMATION ONLY

Facility Site Operations and Infrastructure Domestic / Fire Water Round Sheet

RCRA /TSR

Date: 031714-032314

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 Signatures 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]		98	97	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%			94	93	92	90	90	88	88	86	85	83	84	84	84	84	84
01B VISUAL INSPECTION [A]		SAT[B][C]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIME OF INSPECTION					0815	2130	0838	2000	0830	2000	0910	2052	0914	2056	1001	2200	1000	2125

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)

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					

INFORMATION ONLY

Facility Site Operations and Infrastructure Support Bldg Substation / UPS Round Sheet **RCRA** Date: 031714-032314

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
451, ELEC. EQUIP. RM. 116 CMR		REVIEWER															
		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)
ALTERNATE SOURCE AVAILABLE		[D]		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
TIME OF INSPECTION					0801	1900	0712	~~0715~~	0730	~~0755~~	0756	0759	0731	2003	0829	2130	0700	2100
EMERGENCY PHONE CHECK		[E]		✓		✓		✓		✓		✓		✓		✓		✓

Original Signatures on File

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.

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

INFORMATION ONLY

APPROVED FOR USE/DATE: Original Signature on File

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

Date: 03/14-03/23/14

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:

APPROVED FOR USE/DATE: Original Signature on File

INFORMATION ONLY

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

Date: 03/7/14 - 03/23/14

Location:			DAY	SUN	MON		TUES		WED		THURS		FRI		SAT		SUN	
COMPUTER STATIONS			SHIFT	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2
CMR, FSM DESK, LOCAL			REVIEWER		Original Signatures on File													
411, WHB MECH EQUIP RM 200 & 208			FOT	C/O														
ITEM	MIN	NORM	MAX															
WHB CH ROOM DPs																		
SHIELDED STORAGE RM PDD-026A "wc				-.14	-.10		-.11		-.10		-.10		-.11		-.11		-.10	
CH AREA ROOM 103 PDD-026B "wc	-0.02			-.12	-.10		-.11		-.11		-.10		-.10		-.09		-.10	
SITE GEN WASTE RM. PDD-026C "wc				-.04	-.04		-.03		-.05		-.03		-.04		-.02		-.04	
EQUIP DECON RM. PDD-026D "wc				-.1	-.03		-.08		-.09		-.09		-.10		-.08		-.09	
OVERPACK & REPAIR RM PDD-026E "wc	-0.04			-.11	-.09		-.10		-.11		-.11		-.11		-.1		-.11	
CAGE LOADING ROOM PDD-006 "wc				.04	.06		.13		.07		.09		.08		.08		.08	
AIRLOCK ROOM 107 PDD-007 "wc				-.07	-.08		-.08		-.08		-.08		-.07		-.07		-.07	
HVAC CONTROL PANEL CHECKS																		
411-CP-052-15 (835/836 EXH FANS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-063-16 (861/863 AHUS)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-14 (813/817 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
411-CP-052-13 (812/816 CH TRAIN)		SAT [A]		✓	✓		✓		✓		✓		✓		✓		✓	
WASTE HANDLING BUILDING AIR DRYER																		
K-015 OUTLET (PSI)	95		135	115	116	116	115	114	116	114	115	115	116	117	116	115	115	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

(See files on compact disc)

- **VOC Monitoring**
- **Radiological Monitoring**
- **Meteorological Monitoring**
- **Soil Monitoring**
- **Surface Water Monitoring**
- **Vegetation Sampling**

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

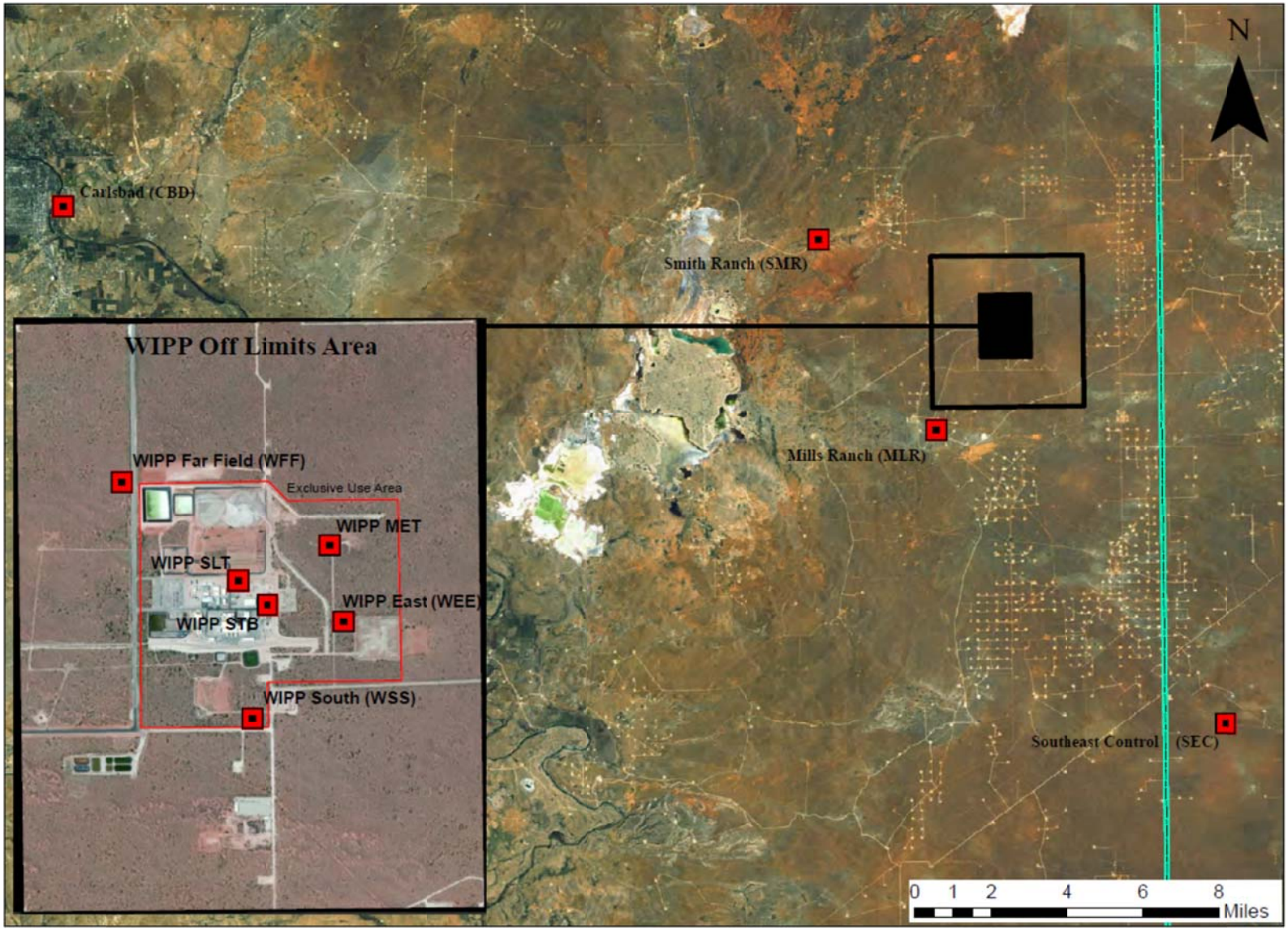
2M T Deg C	2-meter temperature in degrees Celsius
10M T Deg C	10-meter temperature in degrees Celsius
50M T Deg C	50-meter temperature in degrees Celsius
10 DT	10-meter differential temperature (2M T minus 10M T)
50 DT	50-meter differential temperature (2M T minus 50M T)
RH %	Relative humidity as percentage
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.

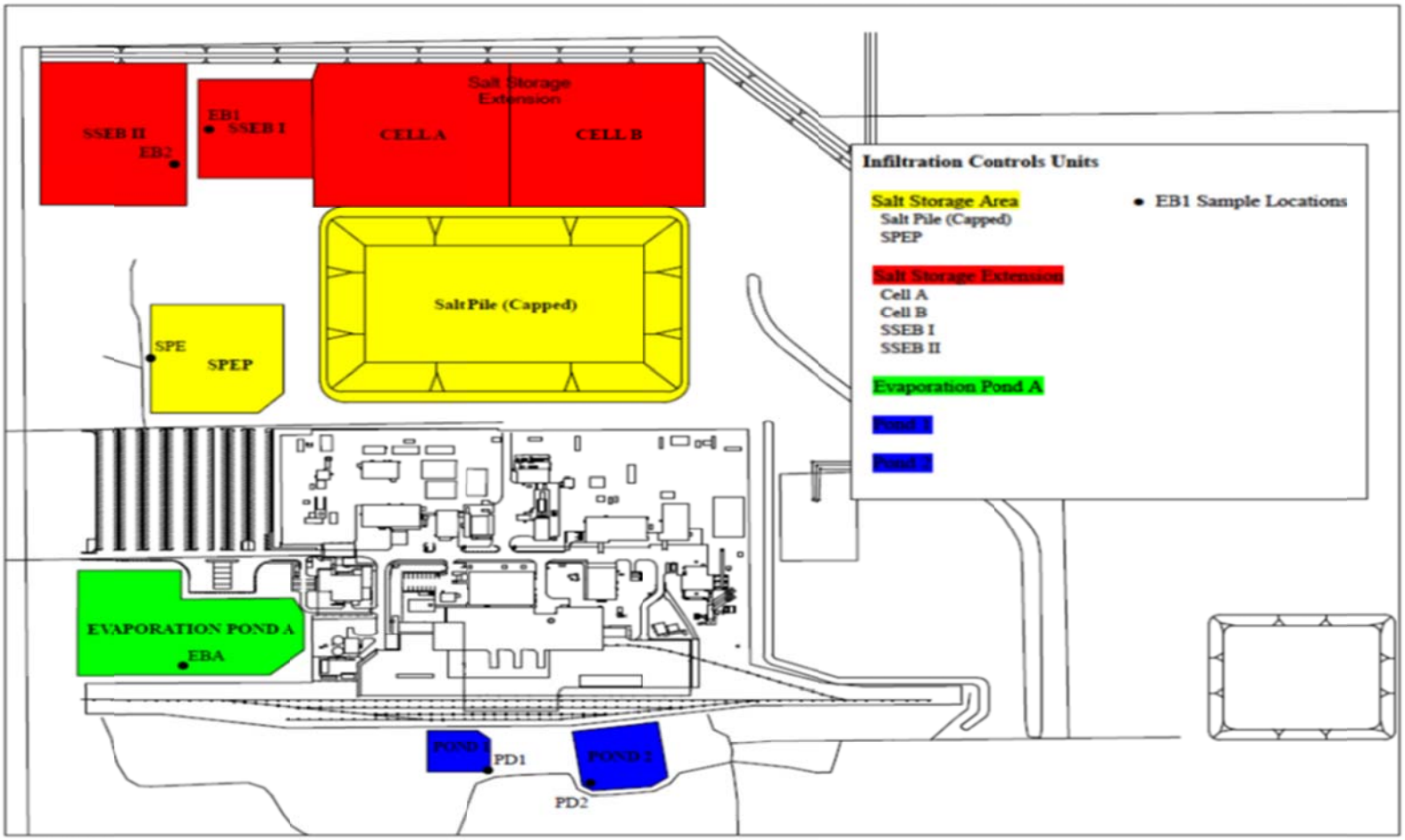
Location of Sampling Sites

Locations: Low Volume Air Sampling, Soil Sampling, Vegetation, and Meteorological Monitoring



VOC Sampling Locations

Surface Water Sample Locations



Environmental Air Filter Status

March 23, 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
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	---								
WIPP East (WEE)	AL-WEE-20140311-1.1	03/18/2014	---								
WIPP South (WSS)	AL-WSS-20140311-1.1	03/18/2014	---								
Mills Ranch (MLR)	AL-MLR-20140311-1.1	03/18/2014	---								
Carlsbad (CBD)	AL-CBD-20140311-1.1	03/18/2014	---								
Smith Ranch (SMR)	AL-SMR-20140311-1.1	03/18/2014	---								
Southeast Control (SEC)	AL-SEC-20140311-1.2	03/18/2014	---								
Southeast Control (SEC) co-located sample	AL-SEC-20140311-2.2	03/18/2014	---								
Met Tower (MET)†	AL-MET-20140311-1.1	03/18/2014	---								
Salt Hoist (SLT)†	AL-SLT-20140311-1.1	03/18/2014	---								
Training Building (STB)†	AL-STB-20140311-1.1	03/18/2014	---								
WIPP Far Field (WFF)	AL-WFF-20140318-1.1	03/25/2014	---								

Environmental Air Filter Status

March 23, 2014

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

* 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.

Minimum detectable concentration (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

Environmental Surface Water Status

March 23, 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.

Minimum detectable concentration (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

Environmental Sediment Status

March 23, 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.

Minimum detectable concentration (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

Environmental Soil Sample Status

March 23, 2014

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Intermediate Sample (2-5 cm)	SI-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Deep Sample (5-10 cm)	SD-WFF-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Intermediate Sample (2-5 cm)	SI-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP East Deep Sample (5-10 cm)	SD-WEE-20140213-1.1	2/13/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Intermediate Sample (2-5 cm)	SI-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP South Deep Sample (5-10 cm)	SD-WSS-20140214-1.1	2/14/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-1.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP Far Field Surface Sample (0-2 cm)	SS-WFF-20140217-2.2	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP East Surface Sample (0-2 cm)	SS-WEE-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
WIPP South Surface Sample (0-2 cm)	SS-WSS-20140217-1.1	2/17/2014	Below MDC	Below MDC	Below MDC
Mills Ranch Surface Sample (0-2 cm)*	SS-MLR-20140220-1.1	2/20/2014	Below MDC	Below MDC	**3.34E-02**
Smith Ranch Surface Sample (0-2 cm)	SS-SMR-20140220-1.1	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-1.2	2/20/2014	Below MDC	Below MDC	Below MDC
Southeast Control Surface Sample (0-2 cm)	SS-SEC-20140220-2.2	2/20/2014	Below MDC	Below MDC	Below MDC
GPS Location 1 (0-2 cm)†	SS-SOO-20140319-1.1	3/19/2014			
GPS Location 2 (0-2 cm)†	SS-SOO-20140319-1.2	3/19/2014			
GPS Location 3 (0-2 cm)†	SS-SOO-20140319-1.3	3/19/2014			
GPS Location 4 (0-2 cm)†	SS-SOO-20140319-1.4	3/19/2014			
GPS Location 5 (0-2 cm)†	SS-SOO-20140321-1.5	3/21/2014			
GPS Location 6 (0-2 cm)†	SS-SOO-20140321-1.6	3/21/2014			
GPS Location 7 (0-2 cm)†	SS-SOO-20140320-1.7	3/20/2014			
GPS Location 8 (0-2 cm)†	SS-SOO-20140321-1.8	3/21/2014			
GPS Location 9 (0-2 cm)†	SS-SOO-20140320-1.9	3/20/2014			
GPS Location 10 (0-2 cm)†	SS-SOO-20140319-1.10	3/19/2014			
GPS Location 11 (0-2 cm)†	SS-SOO-20140319-1.11	3/19/2014			
GPS Location 12 (0-2 cm)†	SS-SOO-20140319-1.12	3/19/2014			
GPS Location 13 (0-2 cm)†	SS-SOO-20140319-1.13	3/19/2014			
GPS Location 14 (0-2 cm)†	SS-SOO-20140319-1.14	3/19/2014			
GPS Location 15 (0-2 cm)†	SS-SOO-20140319-1.15	3/19/2014			
GPS Location 16 (0-2 cm)†	SS-SOO-20140319-1.16	3/19/2014			
GPS Location 17 (0-2 cm)†	SS-SOO-20140320-1.17	3/20/2014			
GPS Location 18 (0-2 cm)†	SS-SOO-20140320-1.18	3/20/2014			
GPS Location 19 (0-2 cm)†	SS-SOO-20140320-1.19	3/20/2014			
GPS Location 20 (0-2 cm)†	SS-SOO-20140319-1.20	3/19/2014			
GPS Location 21 (0-2 cm)†	SS-SOO-20140319-1.21	3/19/2014			
GPS Location 22 (0-2 cm)†	SS-SOO-20140320-1.22	3/20/2014			
GPS Location 23 (0-2 cm)†	SS-SOO-20140320-1.23	3/20/2014			
GPS Location 24 (0-2 cm)†	SS-SOO-20140319-1.24	3/19/2014			
GPS Location 25 (0-2 cm)†	SS-SOO-20140319-1.25	3/19/2014			
GPS Location 26 (0-2 cm)†	SS-SOO-20140321-1.26	3/21/2014			
GPS Location 27 (0-2 cm)†	SS-SOO-20140320-1.27	3/20/2014			
GPS Location 28 (0-2 cm)†	SS-SOO-20140321-1.28	3/21/2014			
GPS Location 29 (0-2 cm)†	SS-SOO-20140321-1.29	3/21/2014			

Environmental Soil Sample Status

March 23, 2014

Location/Depth	Sample ID Number	Sample Date	WIPP Labs Radiochemistry		
			Am-241 (dpm/g)	Pu-238 (dpm/g)	Pu-239/240 (dpm/g)
GPS Location 10 (0-2 cm) (Duplicate)†	SS-SOO-20140319-2.10	3/19/2014			
GPS Location 18 (0-2 cm) (Duplicate)†	SS-SOO-20140320-2.18	3/20/2014			
GPS Location 6 (0-2 cm) (Duplicate)†	SS-SOO-20140321-2.6	3/21/2014			

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

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

Minimum detectable concentration (MDC) ranges are:

MDC Am-241: 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

Environmental Vegetation Status

March 23, 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 corresponds to the lowest concentration measurement that can be detected by the laboratory instrumentation.

Minimum detectable concentration (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

Environmental Salt Status

March 23, 2014

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

Samples collected at the Magnum Minerals salt pile.

Minimum detectable concentration (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

VOC Monitoring Data – Post-event Surface Sampling

For Samples Collected Between 2/12/2014 and 2/27/2014

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)	Concentration (ppbv)
2/12/2014	3/4/2014	021214	Training Building	1,1,1-Trichloroethane	71-55-6	2	U
2/12/2014	3/4/2014	021214	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	2	U
2/12/2014	3/4/2014	021214	Training Building	1,1-Dichloroethylene	75-35-4	2	U
2/12/2014	3/4/2014	021214	Training Building	1,2-Dichloroethane	107-06-2	2	U
2/12/2014	3/4/2014	021214	Training Building	Carbon Tetrachloride	56-23-5	2	0.22 J
2/12/2014	3/4/2014	021214	Training Building	Chlorobenzene	108-90-7	2	U
2/12/2014	3/4/2014	021214	Training Building	Chloroform	67-66-3	2	1.76 J
2/12/2014	3/4/2014	021214	Training Building	Methylene Chloride	75-09-2	2	0.14 J
2/12/2014	3/4/2014	021214	Training Building	Toluene	108-88-3	2	0.16 J
2/12/2014	3/4/2014	021214	Training Building	Trichloroethylene *	79-01-6	2	1.36 J
2/26/2014	3/4/2014	02251402	South Fenceline	1,1,1-Trichloroethane	71-55-6	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	1,1,2,2-Tetrachloroethane	79-34-5	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	1,1-Dichloroethylene	75-35-4	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	1,2-Dichloroethane	107-06-2	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	Carbon Tetrachloride	56-23-5	2	0.12 J
2/26/2014	3/4/2014	02251402	South Fenceline	Chlorobenzene	108-90-7	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	Chloroform	67-66-3	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	Methylene Chloride	75-09-2	2	U
2/26/2014	3/4/2014	02251402	South Fenceline	Toluene	108-88-3	2	0.14 J
2/26/2014	3/4/2014	02251402	South Fenceline	Trichloroethylene *	79-01-6	2	0.82 J
2/26/2014	3/4/2014	02251401	Training Building	1,1,1-Trichloroethane	71-55-6	2	U
2/26/2014	3/4/2014	02251401	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	2	U
2/26/2014	3/4/2014	02251401	Training Building	1,1-Dichloroethylene	75-35-4	2	U
2/26/2014	3/4/2014	02251401	Training Building	1,2-Dichloroethane	107-06-2	2	U
2/26/2014	3/4/2014	02251401	Training Building	Carbon Tetrachloride	56-23-5	2	0.24 J
2/26/2014	3/4/2014	02251401	Training Building	Chlorobenzene	108-90-7	2	U
2/26/2014	3/4/2014	02251401	Training Building	Chloroform	67-66-3	2	0.32 J
2/26/2014	3/4/2014	02251401	Training Building	Methylene Chloride	75-09-2	2	0.16 J
2/26/2014	3/4/2014	02251401	Training Building	Pentane	109-66-0		2 NJ

Sample Date	Analysis Date	Sample ID	Location	Compound	CAS	MRL (ppbv)	Concentration (ppbv)
2/26/2014	3/4/2014	02251401	Training Building	Toluene	108-88-3	2	0.14 J
2/26/2014	3/4/2014	02251401	Training Building	Trichloroethylene *	79-01-6	2	2.62
2/27/2014	3/4/2014	02261401	Training Building	1,1,1-Trichloroethane	71-55-6	2	U
2/27/2014	3/4/2014	02261401	Training Building	1,1,2,2-Tetrachloroethane	79-34-5	2	U
2/27/2014	3/4/2014	02261401	Training Building	1,1-Dichloroethylene	75-35-4	2	U
2/27/2014	3/4/2014	02261401	Training Building	1,2-Dichloroethane	107-06-2	2	U
2/27/2014	3/4/2014	02261401	Training Building	Carbon Tetrachloride	56-23-5	2	0.12 J
2/27/2014	3/4/2014	02261401	Training Building	Chlorobenzene	108-90-7	2	U
2/27/2014	3/4/2014	02261401	Training Building	Chloroform	67-66-3	2	U
2/27/2014	3/4/2014	02261401	Training Building	Methylene Chloride	75-09-2	2	0.12 J
2/27/2014	3/4/2014	02261401	Training Building	Pentane	109-66-0		4.46 NJ
2/27/2014	3/4/2014	02261401	Training Building	Toluene	108-88-3	2	0.24 J
2/27/2014	3/4/2014	02261401	Training Building	Trichloroethylene *	79-01-6	2	0.08 J

Notes

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).
* Additional requested analyte; not a Permit prescribed target analyte but included in the laboratory quantitative analysis.

SWEETHOME MEDICAL SYSTEM, ROTHSTEIN

Date &	Time	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2/17/2020 11:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 11:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 11:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 12:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 12:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 12:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 12:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 13:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 13:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 13:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 13:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 14:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 14:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 14:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 14:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 15:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 15:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 15:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 15:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 16:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 16:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 16:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 16:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 17:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 17:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 17:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 17:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 18:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 18:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 18:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 18:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 19:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 19:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 19:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 19:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 20:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 20:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 20:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 20:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 21:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 21:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 21:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 21:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 22:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 22:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 22:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 22:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 23:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 23:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 23:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/17/2020 23:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 0:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 0:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 0:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 0:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 1:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 1:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 1:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 1:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 2:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 2:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 2:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 2:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 3:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 3:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 3:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 3:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 4:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 4:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 4:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 4:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 5:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 5:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 5:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 5:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 6:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 6:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 6:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 6:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 7:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 7:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 7:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 7:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 8:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 8:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 8:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 8:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 9:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 9:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 9:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 9:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 10:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 10:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 10:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 10:45	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 11:00	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 11:15	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0
2/18/2020 11:30	1.00	0.5	7%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0

2/8/2014 0:00	18.93	0.1	30	0.299	0.837	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 1:00	18.93	0.1	30	0.299	0.79	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 2:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 3:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 4:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 5:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 6:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 7:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 8:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 9:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 10:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 11:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 12:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 13:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 14:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 15:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 16:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 17:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 18:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 19:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 20:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 21:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 22:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/8/2014 23:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 0:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 1:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 2:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 3:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 4:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 5:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 6:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 7:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 8:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 9:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 10:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 11:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 12:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 13:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 14:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 15:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 16:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 17:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 18:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 19:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 20:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 21:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 22:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/9/2014 23:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 0:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 1:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 2:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 3:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 4:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 5:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 6:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 7:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 8:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 9:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 10:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 11:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 12:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 13:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 14:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 15:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 16:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 17:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 18:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 19:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 20:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 21:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 22:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/10/2014 23:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 0:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 1:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 2:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 3:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 4:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 5:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 6:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 7:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 8:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 9:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 10:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 11:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 12:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 13:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 14:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 15:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 16:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 17:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 18:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 19:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 20:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 21:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 22:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/11/2014 23:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 0:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 1:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 2:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 3:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 4:00	18.93	0.1	30	0.299	0.671	0.537	0.299	0.0-1	0.138	0.119	0.019	0.0-1	0.0-1	0.002	0.138	0.136	0.000	0.0-1	0.019	0.137	0.0	0.96	0
2/12/2014 5:00	18.93	0.1	30	0.299	0.671

Attachment 5
Filter Differential Pressures

(See file on compact disc)

Time|Energy 858 Meal DF858 High Df 858 Low HdrF858 2nd AE 857 Meal DF857 High Df857 Low HdrF857 2nd HFF3 GP (SN WO)

##########	1.121015	0.578270	1.050600	1.005585	1.138958	0.582143	1.140368	1.160816			
##########	1.114132	0.578276	1.050602	1.006593	1.143949	0.581987	1.142141	1.132679			
##########	1.114132	0.578276	1.050602	1.006593	1.143949	0.581987	1.142141	1.132679			
##########	1.115873	0.578269	1.050601	1.009421	1.150116	0.581425	1.144953	1.127481			
##########	1.116668	0.578263	1.050599	1.011315	1.152949	0.581318	1.142101	1.124024			
##########	1.116162	0.578263	1.05097	1.011437	1.156137	0.581363	1.141761	1.130761			
##########	1.118151	0.577959	1.050759	1.012726	1.162178	0.581207	1.139407	1.131989			
##########	1.118151	0.577959	1.050759	1.012726	1.162178	0.581207	1.139407	1.131989			
##########	1.115565	0.578072	1.050802	1.010586	1.166164	0.580896	1.140969	1.131624			
##########	1.111668	0.578263	1.050699	1.00943	1.165719	0.58074	1.139873	1.129796			
##########	1.111668	0.578263	1.050699	1.00943	1.165719	0.58074	1.139873	1.129796			
##########	1.114772	0.577753	1.050342	1.007368	1.16538	0.580628	1.141664	1.132195			
##########	1.113632	0.577899	1.050432	1.008018	1.165416	0.580272	1.139682	1.131951			
##########	1.113632	0.577899	1.050432	1.008018	1.165416	0.580272	1.139682	1.131951			
##########	1.115334	0.577612	1.050252	1.00924	1.168741	0.579996	1.138419	1.132497			
##########	1.116161	0.577569	1.050432	1.004807	1.16585	0.579854	1.1376	1.127913			
##########	1.116161	0.577525	1.050432	1.003477	1.160516	0.579648	1.139646	1.138446			
##########	1.113959	0.577682	1.050532	1.002566	1.158873	0.579492	1.133759	1.137335			
##########	1.113959	0.577682	1.050532	1.002566	1.158873	0.579492	1.133759	1.137335			
##########	1.117719	0.577395	1.050791	1.002791	1.179128	0.57918	1.131204	1.126397			
##########	1.119168	0.577312	1.051413	1.003162	1.177024	0.579024	1.131681	1.131487			
##########	1.119168	0.577312	1.051413	1.003162	1.177024	0.579024	1.131681	1.131487			
##########	1.122532	0.577263	1.053735	1.003735	1.189524	0.578712	1.131609	1.130629			
##########	1.118819	0.577322	1.053335	1.999115	1.172869	0.578556	1.129977	1.131726			
##########	1.118819	0.577322	1.053335	1.999115	1.172869	0.578556	1.129977	1.131726			
##########	1.122611	0.577089	1.052774	1.000297	1.187258	0.578244	1.129129	1.131487			
##########	1.122611	0.577089	1.052774	1.000297	1.187258	0.578244	1.129129	1.131487			
##########	1.120608	0.577263	1.052373	1.002129	1.178828	0.578088	1.131641	1.130629			
##########	1.120608	0.577263	1.052373	1.002129	1.178828	0.578088	1.131641	1.130629			
##########	1.120608	0.577263	1.052373	1.002129	1.178828	0.578088	1.131641	1.130629			
##########	1.49858	0.57175	1.051697	0.983305	1.162891	0.577776	1.131668	1.138798			
##########	1.49858	0.57175	1.051697	0.983305	1.162891	0.577776	1.131668	1.138798			
##########	1.49616	0.571617	1.051516	0.982996	1.162161	0.577464	1.131582	1.135183			
##########	1.059387	0.570851	0.989095	0.982185	1.160171	0.577538	0.923879	1.132918			
##########	1.059387	0.570851	0.989095	0.982185	1.160171	0.577538	0.923879	1.132918			
##########	1.059127	0.570168	0.978128	0.98256	1.162116	0.576996	1.132592	1.135112			
##########	1.059789	0.569812	0.978116	0.985859	1.168345	0.57684	1.131342	1.13971			
##########	1.057732	0.569156	0.978056	0.992276	1.178116	0.576684	1.132956	1.099593			
##########	1.056282	0.569219	0.978055	0.99615	1.158809	0.576528	1.132569	1.13597			
##########	1.056282	0.569219	0.978055	0.99615	1.158809	0.576528	1.132569	1.13597			
##########	1.055531	0.569357	0.978666	0.991718	1.15705	0.576214	1.1324	1.132609			
##########	1.055531	0.56837	0.983093	0.981771	1.153153	0.57605	1.132129	1.130876			
##########	1.055531	0.56837	0.983093	0.981771	1.153153	0.57605	1.132129	1.130876			
##########	1.050539	0.567928	0.98158	0.983595	1.168884	0.575768	1.132756	1.131147			
##########	1.053162	0.567521	0.981618	0.985105	1.169984	0.575292	1.131614	1.131607			
##########	1.053162	0.567521	0.981618	0.985105	1.169984	0.575292	1.131614	1.131607			
##########	1.052511	0.566895	0.982459	0.987665	1.164166	0.57528	1.127514	1.130128			
##########	1.052511	0.566895	0.982459	0.987665	1.164166	0.57528	1.127514	1.130128			
##########	1.050845	0.565572	0.98239	0.986961	1.165273	0.575125	1.132558	1.130717			
##########	1.052879	0.565054	0.983557	0.98772	1.169968	0.574969	1.131914	1.130956			
##########	1.050298	0.56176	0.983005	0.985305	1.166819	0.574803	1.131855	1.131455			
##########	1.051277	0.561563	0.981446	0.985115	1.165118	0.574647	1.131855	1.131455			
##########	1.051277	0.561563	0.981446	0.985115	1.165118	0.574647	1.131855	1.131455			
##########	1.050898	0.565463	0.983777	0.990383	1.168849	0.574345	1.131928	1.132098			
##########	1.050898	0.565463	0.983777	0.990383	1.168849	0.574345	1.131928	1.132098			
##########	1.050313	0.56176	0.982618	0.986866	1.167779	0.574029	1.132021	1.130766			
##########	1.050561	0.564794	0.983039	0.988952	1.171810	0.573877	1.131827	1.131196			
##########	1.050561	0.564794	0.983039	0.988952	1.171810	0.573877	1.131827	1.131196			
##########	1.052561	0.561561	0.980016	0.987287	1.172342	0.573565	1.130879	1.131125			
##########	1.038547	0.560124	0.984053	0.987165	1.177627	0.573409	1.118956	1.129397			
##########	1.055566	0.560918	0.980055	0.987325	1.176918	0.573251	1.1319	1.109938			
##########	1.038547	0.560912	0.984053	0.988422	1.178915	0.572987	1.117976	1.109883			
##########	1.038547	0.560912	0.984053	0.988422	1.178915	0.572987	1.117976	1.109883			
##########	1.055566	0.559999	0.980914	0.988419	1.176616	0.572765	1.132826	1.105325			
##########	1.039848	0.570162	0.995185	0.99172	1.173936	0.572609	1.120703	1.107437			
##########	1.039848	0.570162	0.995185	0.99172	1.173936	0.572609	1.120703	1.107437			
##########	1.111161	0.571329	0.992827	0.995709	1.175546	0.572317	1.117873	1.106218			
##########	1.111161	0.571329	0.992827	0.995709	1.175546	0.572317	1.117873	1.106218			
##########	1.032978	0.569766	0.992875	0.998847	1.165584	0.569839	0.970564	1.104823			
##########	1.032978	0.569766	0.992875	0.998847	1.165584	0.569839	0.970564	1.104823			
##########	1.112661	0.568263	0.988256	0.98879	1.178819	0.571235	1.11975	1.105365			
##########	1.112177	0.566887	0.987668	0.989557	1.17565	0.570274	1.11778	1.101526			
##########	1.111661	0.565517	0.987231	0.989585	1.176728	0.570163	1.123809	1.108802			
##########	1.111661	0.565517	0.987231	0.989585	1.176728	0.570163	1.123809	1.108802			
##########	1.111859	0.565168	0.986842	0.989291	1.176015	0.569611	1.120423	1.11758			
##########	1.111859	0.565168	0.986842	0.989291	1.176015	0.569611	1.120423	1.11758			
##########	1.112275	0.564269	0.986016	0.987255	1.175636	0.570148	1.121509	1.103961			
##########	1.09835	0.56016	0.985062	0.984561	1.17161	0.570418	1.118779	1.108489			
##########	1.112622	0.559411	0.984775	0.985168	1.17167	0.570755	1.118819	1.108378			
##########	1.112622	0.559411	0.984775	0.985168	1.17167	0.570755	1.118819	1.108378			
##########	1.098177	0.564491	0.984163	0.983279	1.173915	0.570924	1.116843	1.108235			
##########	1.098177	0.564491	0.984163	0.983279	1.173915	0.570924	1.116843	1.108235			
##########	1.112199	0.564091	0.982934	0.981266	1.173979	0.570962	1.116897	1.11417			
##########	1.092679	0.563413	0.98264	0.98016	1.172586	0.570761	1.119962	1.106481			
##########	1.112803	0.563054	0.979751	0.980766	1.172168	0.570599	1.121317	1.12761			
##########	1.112803	0.563054	0.979668	0.980819	1.17165	0.570168	1.121507	1.101696			
##########	1.112803	0.563054	0.979668	0.980819	1.17165	0.570168	1.121507	1.101696			
##########	1.112815	0.560601	0.979667	0.967715	1.172214	0.567968	1.117914	1.101608			
##########	1.111476	0.560896	0.980528	0.984224	1.173116	0.571725	1.118313	1.106754			
##########	1.111476	0.560896	0.980528	0.984224	1.173116	0.571725	1.118313	1.106754			
##########	1.111026	0.559997	0.98187	0.984242	1.175875	0.577512	1.117979	1.106485			
##########	1.11481	0.567668	0.982411	0.99171	1.178916	0.577581	1.122564	1.107387			
##########	1.119974	0.567996	0.982212	0.991259	1.177816	0.577571	1.120597	1.110115			
##########	1.122241	0.567149	0.980806	0.988768	1.178878	0.577128	1.124871	1.107668			
##########	1.121177	0.566887	0.979568	0.989557	1.17565	0.576274	1.11778	1.101526			
##########	1.119974	0.567177	0.982711	0.991259	1.178916