

Allen, Pam, NMENV

From: Maestas, Ricardo, NMENV
Sent: Thursday, December 18, 2014 8:57 AM
To: Allen, Pam, NMENV
Subject: FW: Workplan for today's entry
Attachments: 1404271 Phase 3 Activity 8 Repetitive.pdf; 1300 Meeting Action Items 051614.xlsx; 41-b-857 WHT dp Daily Averages_5-17-14.pdf; LANL Daily Report 5 18 14.docx; 41-b-856 WHT dp Daily Averages_5-17-14.pdf; Station A and B Filter Readings for Public Release 5-17-14.xlsx

May

From: Klyphuis, Trais, NMENV
Sent: Monday, May 19, 2014 1:34 PM
To: Flynn, Ryan, NMENV; Kendall, Jeff, NMENV
Cc: Winchester, Jim, NMENV; Tongate, Butch, NMENV; Schwender, Erika, NMENV; Blaine, Tom, NMENV; Skubitski, Thomas, NMENV; Kieling, John, NMENV; Holmes, Steve, NMENV; LucasKamat, Susan, NMENV; Turner, Jill, NMENV; Nelson, Morgan, NMENV; Ines Triay (triayin@fiu.edu); Maestas, Ricardo, NMENV; Smith, Coleman, NMENV
Subject: FW: Workplan for today's entry

NMED Notes in Blue

From: Oba Vincent [<mailto:oba.vincent@cbfo.doe.gov>]

Subject: Workplan for today's entry

Please see attached. We can update status during today's call.

Thanks

Oba

From: Oba Vincent
Sent: Friday, May 16, 2014 10:40 AM
To: 'Klyphuis, Trais'; 'peake.tom@epa.gov'; 'Edwards, Jonathan'; 'Walsh, Jonathan'; 'Perrin, Alan'; 'Kehrman, Bob - RES'; 'Chavez, Rick - RES'; 'Stone.Nick@epa.gov'; 'coleman.smith@state.nm.us'; 'brozowski.george@epa.gov'; 'Fraass, Ron'; 'Hardy, Russell'; 'Veal.Lee@epamail.epa.gov'; 'Economy, Kathleen (Economy.Kathleen@epa.gov)'; 'Poppell, Sam W. (Poppell.Sam@epa.gov)'; 'Maestas, Ricardo, NMENV <Ricardo.Maestas@state.nm.us> (Ricardo.Maestas@state.nm.us)'; 'Faller, Scott H.'
Cc: George Basabilvazo - WIPPNet; 'Reynolds, Tammy - NWP'; 'Harris, Alton - DOE EM'; Susan McCauslin; 'Joe Harvill (jharvill@portageinc.com)'; 'Kennedy, Scott - NWP'; 'Jones, Stewart - RES'; 'Oates, Berta - CTAC'; 'schultheisz.daniel@epa.gov'; Philip Theisen - ORISE; Russ Patterson - WIPPNet; 'Kouba, Steve - WRES'; Roger Nelson - WIPPNet; 'Bignell, Dale - CTAC'; Susan McCauslin - WIPPNet; 'Pace, Berry'; Anthony Stone - WIPPNet; J.R. Stroble - WIPPNet
Subject: WIPP Information - For Call Today

Attached are the action item list, filter data and Station A/B data.

Below is a summary of activities: (Please note, activities and dates are subject to change. Please verify the most current dates of any information provided).

- Weekly MSHA inspections of the AIS & SS are due on 5/14.
- Activity 8: This entry was completed on 5/15. Additional video of the stacks of waste in Panel 7, Room 7 with a camera on a boom, approximately 10 feet further back than the previous entry was obtained. Sampling was not performed during this entry. The video is being evaluated.
- Activity 10: Happening now....The focus of this entry will be the continued investigation of the event and possible sample collection. This entry is being planned based on an evaluation of data from Activity 8 and is scheduled for 5/19. A new camera and extension rod will be utilized. Like a fishing pole with camera that can look around 360 degrees
- Activity 11: Thursday – will take samples.
- Approval for sole source purchase of temporary HEPA ventilation system has been received. The procurement of this system will be initiated by obtaining engineering services to complete design requirements. A meeting was held on 5/15 to resolve DOE comments. Next week procurement activities for the engineering services will be initiated.
- Filter replacement is being moved to the week of 5/26 to accommodate additional entries for further evaluation of the cause of the event. Discussions are underway to determine the scope and time duration of the filter change-out. Construction of the containment tent required for the activity is ongoing. Will take 2-4 weeks.
- Didn't get to UG 'till 1:30. About to enter panel 7. Won't be up until 5:30 – 6:00.
- Tom Skibitski – Curious about filter bank changing procedure. Why not leave one in operation? DOE: That is the plan. Filtration will be maintained and will be changed sequentially.
- Kathy Economy (EPA): Has anyone looked into clogged vents and how that may have made the drum vents “no operational”? DOE: Will get back to her.
- Steve Holmes (NMED): Status of seismic monitoring? Will it continue during filter changes? DOE: Yes.
- Remediated salts have been overpacked and moved to Dome 375.
- DOE will make second attempt at answering NMED 5/8/14 questions.
- DOE is also working on the list sent by NMED on 5/16/14

NOTE CALL-IN NUMBER: 1 888 413 3490, Code 7175394

Thank you

Oba

W.O.# 1404271 C

PHASE 3 (Activity 8)
REPETITIVE ENTRIES TO WASTE STACK

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1.0 INTRODUCTION

1.1 PURPOSE

This Work Control Document (WCD) provides instructions to specific tasks that are stand alone or use a combination of operation procedures and other WCDs to traverse from SH Shaft Station to E-140/S-2520 area transition point, stage the transition areas, and document Panel 7, Room 7 waste stack conditions. This WCD will remain open for subsequent entries for video/photography/documentation of the waste stack until May 30, 2014. This work is essential in order to provide a means for locating and identifying the source term to investigate the cause(s) of the February 14, 2014 radiological event in the underground.

1.2 SCOPE

This WCD will instruct Personnel to:

- Traverse underground areas:
 - Perform air-quality checks
 - Perform visual ground control assessments in all areas occupied or travelled
 - Perform radiological surveys to characterize the radiological conditions
- Investigate the source term near Panel 7 Room 7 Waste Face:
 - Establish infrastructure
 - Document conditions (thermal imagery, video, photography)
 - Obtain smears for analysis
- Obtain radiological characterization data from the exhaust drift
 - Smears as requested by AIB

2.0 REFERENCES

BASELINE (DEVELOPMENTAL)

| | |
|--------------|---|
| WP 04-AD3030 | Pre-Job and Post-Job Reviews |
| WP 12-HP3600 | Radiological Work Permits |
| WP 12-HP1100 | Radiological Surveys |
| WP 12-HP1500 | Radiological Posting and Access Control |
| WP 12-HP3400 | Contamination Control |
| WP 12-HP3500 | Airborne Activity |
| WP 12-HP1321 | Bladewerx SabreAlert Alpha Continuous Air Monitor |
| WP 12-IH1828 | MSHA Air Quality Monitoring |
| PROD-439 | General Hazard Analysis |
| ESS-2014-01 | WIPP Habitability Evaluation of the Safety of the Situation |
| ESS-2014-02 | Underground (U/G) Re-Entry Evaluation of the Safety of the Situation – Phase 2B |
| ESS-2014-03 | Underground Re-Entry Evaluation of the Safety of the Situation – Phase 3 |

RWP 14-034

REFERENCED (REQUIRED ON-HAND)

Attachment 1, Sign-Off Sheet
 Attachment 2, CMRO Monitoring
 Attachment 3, Reentry Escape Route Map
 Attachment 4, Phase 3 Underground Map
 Attachment 5, Geotechnical Engineering Ground Control Guidance Information

3.0 MATERIAL LIST

| ITEM | MATERIAL DESCRIPTION | QTY | UNIT | PR/WH # |
|------|-----------------------|--------|------|------------|
| 1 | *Mine Phone Batteries | Min. 3 | EA. | X-08-01779 |

*Required Material, all other as needed.

4.0 EQUIPMENT LIST

PERSONAL PROTECTIVE EQUIPMENT (PPE)

| Description |
|--|
| HARD HAT |
| SAFETY GLASSES W/ SIDE SHIELDS (Support personnel at collar) |
| HARD TOE SHOES |
| W65 SELF RESCUER RESPIRATOR |
| POWERED AIR PURIFYING RESPIRATOR (PAPR) |
| ORGANIC HEPA COMBINATION PAPR CARTRIDGES |
| NEGATIVE PRESSURE RESPIRATORS (Emergency Use Only) |
| RADIOLOGICAL PROTECTIVE CLOTHING / EQUIPMENT LISTED IN RWP AS APPROVED BY INDUSTRIAL SAFETY & HYGIENE |

Note that some equipment and supplies listed below may be currently staged underground. Use the checklists as a self-check to ensure items are available and loaded onto wagons or carts.

EQUIPMENT CHECKLIST

| Description | |
|---|--|
| Ladders (platform & standard) | |
| Camera/video: Go-Pro / thermal / iPad / PT200 | |
| Telescopic Pole & bracket | |
| Video support system (pulleys, rope) | |
| Multi-gas Detectors | |
| Handheld radios (min. of 4) | |
| UG Map/Waste Stack Map | |
| Extension cords (w/ GFCI's) | |
| Spare head lamps | |
| Spare PAPR batteries | |
| High Lumen Flashlights | |
| Hand-Held ABC Fire extinguishers | |
| Wagon(s) | |
| Spare wagon wheel(s) | |
| MiniRae 3000 Photo Ionization Detector (PID) | |
| WIBGET Heat Stress Monitor | |
| Smoke tubes/powder gun | |
| Medical bag | |
| Anemometer | |
| Inactivation Tags | |
| Power Pack (2) | |
| Flood Lights | |

RADIOLOGICAL EQUIPMENT & SUPPLY CHECKLIST

| Description | |
|---|--|
| Bladewerx SaberAlert CAMs | |
| Workplace Air Samplers | |
| F&J Air Samplers | |
| High Volume Air Samplers | |
| *Lapel Samplers | |
| Hand-e-counts | |
| Portable Survey Instruments | |
| Decontamination Supplies (2) Sets | |
| Radiological rope | |
| Radiological sample bags | |
| Placards | |
| Radiological bags | |
| Shoe covers & Gloves | |
| Grease pencils | |
| Scissors | |
| Tweezers | |
| Sprayer | |
| Primer (fixative) w /opener | |
| Brattice | |
| Towels | |
| Hand-Held Clean Agent Fire Extinguisher (transition area) | |

*As directed by Radiological Control Manager

5.0 PRECAUTIONS

5.1 AIRBORNE & CONTAMINATION HAZARD

- The underground atmosphere within the AIS and the Salt Handling Shaft has been determined to be non-detectable of airborne or transferable radiological contamination based on air sampling and radiological surveys performed in reentry Phases 1 & 2A. In Phases 2B and 3A the underground atmosphere has been determined to be non-detectable of airborne or transferrable radiological contamination based on air sampling and radiological surveys performed from the SH Shaft Station to W-30 S1950, in S-1950 to E-140 and in E-140 to S-2520. In Phase 3B the underground atmosphere was determined to be non-detectable of airborne or transferrable radiological contamination based on air sampling and radiological surveys performed up to E-140/S-2520. Detectable activity (e.g., radon and Am-241 contamination) was located near the intersection of W-170/S-2520 and into Panel 7 up to Room 7 Waste Face. Personal protective equipment (PPE) as documented in the Radiological Work Permit (RWP) will be used to ensure personnel protection should air quality issues (e.g., radioactivity, vapors) or transferable contamination be encountered during the execution of this phase.
- Radiological conditions of the shaft stations and the underground from the SH Shaft station to E-140/S-2520 have been characterized. Radiological Control (RadCon) will survey and assess facilities in a step-wise sequence to avoid the spread of contamination to personnel and facilities.
- For Phase 3 activities, RCTs will retain media (e.g., smears, swipes, air monitoring filters, etc.) for future analysis.

5.2 GROUND CONTROL HAZARD

- Ground conditions must be evaluated upon entry into the underground as personnel traverse and perform radiological surveys using Attachment 4, Geotechnical Engineering Ground Control Guidance Information.
- Should potentially unsafe ground be encountered, necessary actions shall be taken to avoid exposure to the hazard, including use of alternate routes.

5.3 PINCH POINT HAZARD

- Personnel remain aware of pressure differentials across bulkheads and between air locks, use caution opening and closing man-doors.
- Request additional personnel when opening, closing or holding man-doors open when traveling through them.
- Keep body, feet, hands and fingers out of pinch point areas.

5.4 COMMUNICATION HAZARD

- Use clear concise 3-way communication when communicating with team members and when reporting information to the CMR.
- To enhance communications, radios will be used in line of sight application. Additionally, a reentry team member will be designated the responsibility to ensure frequent communication with the CMR, providing periodic status of the work activities.

5.5 ERGONOMIC HAZARD

- PPE (e.g., Protective clothing, respirators) and surveying equipment may cause ergonomic strains to body, stretch and return body to normal posture.
- Rotate tasks with other team members.

5.6 THERMAL STRESS (HEAT)

- Ensure you pre-hydrate with cool clear liquids.
- Wear under garments (e.g., modesty clothing) and protective clothing (e.g., OREX coveralls,) that are unrestrictive and lightweight providing breathability.
- Use the buddy system and perform frequent checks to ensure team members are "OK".
- Obtain physiological monitoring prior to and after use of respiratory protection.

5.7 ORGANIC VAPOR HAZARD

- Certain areas of the mine are known to contain airborne organic vapors, to include Carbon Tetrachloride, Trichloroethylene, and 1,1,1-Trichloroethane.
- Although concentrations are expected to be low, use of combination cartridges (OV/P100) are required to protect personnel from potential organic vapor exposure.
- Organic vapor concentrations will be measured with a MiniRae 3000 PID.

5.8 FIRE HAZARD

- Carry and be familiar with current Reentry Escape Route Map.
- Each individual carry W65 self-rescuer and don at the first sign of fire.
- Each team (Base Team/Team 1 & Team 2) ensure at least one hand-held ABC fire extinguisher is available in the immediate work area. Each team be familiar with self-contained self-rescuer cache locations in the mine; and don if SCSRs are retrieved.
- Personnel will perform visual inspection of condition of receptacle, plugs and grounds of power cords, and ensure Ground Fault Circuit Interrupters (GFCI) and power cords with built-in GFCI's have been tested and are satisfactory for use.
- Minimize combustibles being taken into the UG, and ensure Fire Protection Engineer (FPE) has evaluated supplies being used.

5.9 ELEVATED WORK HAZARD (LADDERS)

Team members will use ladders (standard & platform) to execute activities near the waste face. Secure ladder to prevent tipping, or request a team member to hold ladder. The member climbing the ladder shall use both hands while climbing the ladder and request equipment (video, material sampling, etc.) to be handed to them.

5.10 STORED ENERGY HAZARD

- The rad event investigation activities have yet to identify a specific cause. As such, some hazards have been identified as "potential" based on the history of specific waste containers including waste content, process history, treatment process, etc. Potential hazards involving stored energy include deflagration and detonation.
- Personnel shall remain below the height of the waste face during performance of work, with the exception of extremities, using the existing waste stack as buffer material between suspect containers and workers.

5.11 Reentry Teams will perform multiple tasks concurrently in multiple locations. Team members will be organized in pairs and/or groups and maintain line of sight among the pairs and/or groups. The travel routes will be used as shown in Attachment 3, Phase 3 Underground Map.

5.12 All other hazards and required precautions will be addressed / mitigated in the listed procedures and WCDs.

6.0 LIMITATIONS

- 6.1 Facility Shift Manager (FSM) shall concur with and monitor execution of this plan.
- 6.2 The operational restrictions and interim controls of ESS-2014-01, *WIPP Habitability Evaluation of the Safety of the Situation* and ESS-2014-02, Rev. 1, *Re-Entry Evaluation of the Safety of the Situation* (ESS) remain in effect and are applicable for this phase of reentry. In addition ESS-2014-03, Rev. 2 is applicable to this phase of reentry. The controls of this U/G Re-entry ESS are applicable upon the first member of the Re-entry Team receiving U/G access (brassing-in) and are no longer applicable upon the last team member exiting the access process (brassing-out) for each U/G re-entry. The following Operational Restrictions apply:
- [] 6.2.1 Do not enter WASTE HANDLING MODE in the UNDERGROUND.
 - [] 6.2.2 Do not operate any U/G liquid fueled vehicles.
 - [] 6.2.3 Continue to operate the Mine Ventilation System in Filtration Mode. Do not operate the system in any other mode.
 - [] 6.2.4 Do not enter the U/G ventilation exhaust drift. For these activities, this is defined as:
 - Panel 7, Room 7, S-2180 to E-300
 - E-300 to the Exhaust Shaft
 - [] 6.2.5 If any of the differential pressure readings identified below reach the alarm value, the CMR will notify the Re-entry Team to exit the U/G. **[ESS-2014-02-01]**
 - PDAH-056-002/006 MOD EFF. FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-003/007 HIGH EFF. FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-004/008 1st HEPA FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-005/009 2nd HEPA FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - 413 UVFS MOD FLTR 856/857 CLOG (CMS Point # CH5602/5610)
 - 413 UVFS HI FLTR 856/857 CLOG (CMS Point # CH5604/5612)
 - 413 UVFS 1ST HEPA 856/857 CLOG (CMS Point # CH5606/5614)
 - 413 UVFS 2ND HEPA 856/857 CLOG (CMS Point # CH5608/5616)
 - [] 6.2.6 The differential pressure for the Waste Hoist Tower will be monitored in the CMR. If this alarms, the CMR will notify the Re-entry Team to exit the U/G. **[ESS-2014-02-02]**

- [] 6.2.7 If any of the two differential pressures identified below are other than negative, the CMR will notify the Re-entry Team to exit the U/G. **[ESS-2014-02-03]**
 - DP Station – dp6: 313 Bulkhead – negative d/p
 - DP Station – dp12: 707 Bulkhead – negative d/p
- [] 6.2.8 If the U/G Ventilation System shuts down for any reason, the CMR will notify the Re-entry Team to exit the U/G. **[ESS-2014-02-04]**
- [] 6.2.9 A direct frisk of the filter will be performed at Station A every hour while personnel are in the U/G. If the results indicate activity > 2000 dpm/100cm² alpha or > 10000 dpm/100cm² beta, the CMR will notify the Re-entry Team to exit the U/G. **[ESS-2014-02-05]**
- [] 6.2.10 Visual Ground Control inspections will be performed by the Re-entry Team as they progress through the U/G. If the results of these visual inspections reveal an unsafe condition in the U/G as prescribed in the WCD, the U/G Re-entry Team Lead will take actions to re-route the Re-entry Team or instruct them to exit the U/G. **[ESS-2014-02-06]**
- 6.3 Physical ground control actions (e.g., scaling, barring down bad ground, etc.) will not be performed under this WCD.
- 6.4 The Reentry Team Leader(s) (RTL) will ensure the Reentry team members are physically fit and properly trained to perform this phase, checking the teams' condition approximately every 15 minutes or as conditions warrant.
 - [] 6.4.1 Should any member's breathing apparatus malfunction, **STOP WORK** and return to an area with a known safe atmosphere before replacing or repairing the unit.
 - [] 6.4.2 If a Reentry Team member or members feel unable to continue this phase, **STOP WORK** and return to the SH Shaft station and request Hoist Operator to hoist the member(s) to the surface.
 - [] 6.4.3 Reentry Team members may be replaced and **WORK RESUMED** using designated alternate personnel meeting the technical and physical qualifications to perform necessary work on the team.
- 6.5 Each RTL in the UG (e.g., RTL-1, RTL-2) will maintain direct control of their respective steps/sections during performance, and periodically report status of such to the CMR.
- 6.6 Personnel responsible for monitoring radiological and ground conditions will be present during all phases of this reentry.

- 6.7 Personnel traveling through bulkheads will use man-doors instead of vehicle doors to minimize possible disruption of the underground ventilation flow, ensuring only one man-door is open at time.
- 6.8 Evidence related to the underground haul truck fire incident and the fire scene shall not be disturbed.
- 6.9 Evidence related to the UG rad event shall not be disturbed. Activities performed under this work instruction including those associated with radiological surveys, collection of atmospheric data, filter media, salt samples and performing video/photo documentation will be coordinated with the AIB Chair.
- 6.10 U/G access will be as normally directed in WP 04-AD3013. Personnel shall obtain an approved Underground Access Pass (UAP) issued by the Underground Controller for this activity.
- 6.11 Radiological - This WCD is to be performed in accordance with the requirements and limitations of the applicable Radiological Work Permit.

IF at any point during this Phase the SabreAlert CAM alarms
THEN evaluate the CAM Alarm for Turn-back Guidance.

- 6.12 Turn-back Guidance – The basic guidance below applies to ensure conservative decisions are implemented during performance of this WCD.

IF conditions are encountered (e.g., changing conditions, unforeseen air/rad readings, rad readings above suspension limits, ground control, etc.) that warrant a turn-back or retreat.

THEN perform the following:

- [] 6.12.1 Suspend work activities
- [] 6.12.2 Configure the facilities/area in a safe condition
- [] 6.12.3 Notify reentry teams/CMR via the Mine Pager Phone
- [] 6.12.4 Return to the SH Shaft Station
- [] 6.12.5 Exit the underground
- [] 6.12.6 Ensure Reentry Teams brass out
- [] 6.12.7 Notify CMR that personnel are brassed out
- [] 6.12.8 Suspend and/or exit this WCD

- 6.13 Air Quality – This WCD includes monitoring capabilities for air quality, If at any point air quality parameters are measured at indicated Action Levels, notify reentry teams via the Mine Pager Phone and return to the SH Shaft Station.

| Parameter Measured | Action Level* | Instrument |
|-----------------------------|------------------------------------|---|
| Carbon Monoxide | 25 ppm or greater | Multi-gas detector** (e.g., ITX or MX-6) |
| LEL or % methane | 5% LEL or 0.25% Methane or greater | |
| Oxygen | Less than 19.5% | |
| NO ₂ | 1 ppm or greater | |
| Volatile Organic Compounds* | 100 ppm or greater | MiniRae 3000 (PID) |

*If sustained VOC levels are greater than 20 PPM, Contact IS&H for an evaluation of the reading and the location found.

**Resetting the multi-gas detector unit may be required due to pressure differentials at different depths within the shafts. If at any point during this evolution the multi-gas detector or PID alarms, confirm the reading (e.g. pressure differential vs. actual alarm). Based on a confirmed alarm reading, notify the RTL, and retreat to the SH Shaft Station.

- 6.14 Thermal Stress – This WCD includes monitoring for heat stress with the WBGET. If at any point WBGT temperatures are measured at the indicated Action Levels, notify the RTL immediately.

| WBGT Temp (°C) | Work / Rest Regimen |
|----------------|---------------------------|
| <22.0 | Continuous work |
| 22.0 – 23.0 | Work 45 min / rest 15 min |
| 23.0 – 24.0 | Work 30 min / rest 30 min |
| >24.0 | Contact IS&H |

- 6.15 Electric Cart Use – Use of carts in the U/G for Reentry evolutions are permitted. Team-1 will perform pre-operational checks for all carts to be used during this evolution and stage cart(s) as necessary for use by Team-2.

The following pre-operational checks listed below must be satisfactory:

- Tires inflated and lug nuts in-place
- Headlights / tail lights, operational and face plates not cracked or missing
- Accelerator pedal, for smooth and non-binding movement
- Speed and directional controls
 - Brakes, both the service and parking brake
 - Steering mechanism, check the play in the steering wheel
- Fire extinguisher (charged and status indicator in the green)
- Horn
- Battery status indicator
- Data plate
- Visible structural damage to cart

IF any of the above pre-operational checks are unsatisfactory,
THEN the cart may not be used and will be tagged out-of-service.

The speed of travel will be kept to a minimum (i.e., pace of person walking) to ensure significant quantities of dust are not generated.

The cart designated for use in Panel 7 will remain in Panel 7, including charging at Panel 7 Room 1.

- 6.16 Infrastructure/observation equipment – Only demonstrated Senior Management Review Board (SMRB) Approved infrastructure/observation equipment may be used for this activity.

6.17 REQUIRED QUALIFICATIONS AND TRAINING

- Facility Shift Manager (FSM)
- Facility Operations Shift Engineer (FOSE)
- Central Monitoring Room Operator (CMRO)
- AIS Hoist Operator (HO)
- SH Hoist Operator (HO)
- Industrial Safety & Hygiene (IS&H)
- PAPR/Respirator Qualified Personnel:
 - AIS Shaft Tender (Toplander)
 - SH Shaft Tender (Toplander)
 - SH Shaft Tender (Bottomlander)
 - Radiological Control Technicians (RCTs)
 - Underground Facilities Engineer (UFE)
 - Mine Rescue Team Member (MRT)
 - Reentry Team Lead (RTL)

6.18 OVERSIGHT STAFFING

The following organizations may participate in this evolution to perform oversight functions. Participation requires verification of training & qualification commensurate with their physical location in which the oversight is being performed (e.g., RWT-II, PAPR, etc.); and involvement with planning activities, dry-runs, physiological monitoring and pre-job briefs.

- Carlsbad Field Office (CBFO)
- Defense Nuclear Facilities Safety Board (DNFSB)
- Mine Safety & Health Administration (MSHA)

6.19 FEDERAL INVESTIGATION STAFFING

The following organizations may participate in this evolution to perform oversight functions. Participation requires verification of training & qualification commensurate with their physical location in which the oversight is being performed (e.g., RWT-II, PAPR, etc.); and involvement with planning activities, dry-runs, physiological monitoring and pre-job briefs.

- Department of Energy (DOE) Accident Investigation Board (AIB)

6.20 CONTINGENCY RESPONSE STAFFING

- Emergency Service Technicians (EST)
- Emergency Response Team (ERT)
- Mine Rescue Team (MRT)
- Site Medical Nurse
- Facility Operations
- Crisis Management Team
- Work Control Planner

NOTE

Steps in this section may be performed in any order.

7.0 PREREQUISITES

- 7.1 **RTL CONDUCT** a formal, documented pre-job brief per WP 04-AD3030.
- 7.2 **RTL ENSURE** all personnel have read, understand and have signed the applicable RWP.
- 7.3 **RTL ENSURE** items shown in Section 3.0, Material List and Section 4.0, Equipment List are staged and ready for use.
- 7.4 **RTL ENSURE** the required Preventative Maintenance (PMs) for the Hoists have been performed.
- 7.5 **RTL ENSURE** RadCon personnel are notified of the work being performed and on-standby should a decontamination response be required. This includes ensuring operability of the decontamination trailer and capability to transport worker(s) to the decontamination trailer.
- 7.6 **RTL ENSURE** Shaft Tender/Toplander & Radcon remain on post and don respiratory protection should a Shelter-in-Place protective action be required following a rad event during performance of this evolution.
- 7.7 **RTL ENSURE** Site Medical Nurse or Emergency Services Technicians perform vitals and assessment of Re-entry team members and documents results.
- 7.8 **RTL ENSURE** FSM has confirmed the availability of both standby diesel generators during the performance of this WCD.
- 7.9 **RTL ENSURE** Team-1 and Team-2 understand the preferred routes to travel for reentry, as well as Escape Map routes in the event of an emergency egress and are knowledgeable with the process of donning both the W65 Self-Rescuer and the SCSR should a fire occur in the U/G.
- 7.10 **RTL ENSURE** a Senior Management Oversight person has been designated to be present during the performance of the WCD.

SIGN OFF OVERSIGHT

- 7.11 **RTL ENSURE** all Prerequisites are complete.

SIGN OFF RTL

8.0 PERFORMANCE

8.1 PHASE 3 (Activity 8) REENTRY TEAM-1 ACTIVITIES

NOTE

Sections 8.1 and 8.2 may be performed concurrently to support efficient execution of activities. A subset of each team may be used for specific tasks. Subsequent entries may be performed to gather additional video/photographs/documentation as determined by the RTL.

[] 8.1.1 **RTL ENSURE T-1 members BRASS IN** and make the following notifications:

- CMRO initiation of ESS
- Initiate baseline probe of Station A

SIGN OFF RTL

[] 8.1.2 **RTL ENSURE T-1 members** perform the following:

- Donning of appropriate layers of PPE
- Powered on equipment
 - PAPRs
 - CAMs
 - Multi-gas detectors
 - PID
 - WBGT

[] 8.1.3 **HO INITIATE** transport of T-1 and support materials to the Station level.

[] 8.1.4 **T-1 PERFORM** the following at the Operating Base (SH Station):

- Air quality, thermal stress readings
- Communication to CMR
- Background check with μ Rem 2350
- Configuration of CAMs Wi-Fi
- Radiological survey and configuration of postings
- Team Check

- Pre-operational checks on carts
- Periodically communicate status to CMR via mine pager phones along the travel route. A status of "SAT" may be used to indicate the criteria above (e.g., ground control, rad, air quality, and heat stress) has been satisfied.

[] 8.1.5 **T-1 TRAVERSE** to E-140/S-2520 area while **PERFORMING** the following:

- A Ground control assessment by visually inspecting the ground and by using Attachment 4, Geotechnical Engineering Ground Control Guidance
- Radiological surveys and observing the postings and barriers marking the limits of the surveys
 - Verifying suspension criteria is not exceeded
- Air quality checks
 - Verifying action limits are not exceeded
- Heat stress (WBGT) readings
 - Verifying action limits are not exceeded
- Periodically record ground control, radiological, heat stress and air quality data on the appropriate area map
- Change batteries on mine pager phones as needed
- Turn on CAMs and Workplace Air Samplers
- Pre-operational checks on cart(s)
- Stage the transition area
- Periodically communicate status to CMR via mine pager phones along the travel route. A status of "SAT" may be used to indicate the criteria above (e.g., ground control, rad, air quality, and heat stress) has been satisfied.

8.2 PHASE 3 (Activity 8) REENTRY TEAM 2 ACTIVITIES

[] 8.2.1 **RTL ENSURE** T-2 members perform the following prior to entering the underground:

- Team members **BRASS IN**
- Team members have donned the appropriate layers of PPE
- Powered on equipment
 - PAPRs

[] 8.2.2 **HO INITIATE** transport of T-2 to the Station level.

[] 8.2.3 **T-2 TRAVERSE** to Room 7 Panel 7 waste face while **PERFORMING** the following:

- A ground control assessment by visually inspecting the ground and by using Attachment 4, Geotechnical Engineering Ground Control Guidance
- Radiological surveys and observing the postings and barriers marking the limits of the surveys
 - Verifying suspension criteria is not exceeded
- Heat stress (WBGT) readings
 - Verifying action limits are not exceeded
- Periodically record ground control and radiological data on the appropriate area map
- Obtain equipment at the transition area
- Pre-operational checks on cart(s)
- Periodically communicate status to T-1 or the CMR along the travel route. A status of "SAT" may be used to indicate the criteria above (e.g., ground control, rad, air quality, and heat stress) has been satisfied

- [] 8.2.4 **T-2 INVESTIGATE** the source term by performing the following:
- Ensure infrastructure equipment is established to support observation activities
 - Perform Observation activities
 - Obtain thermal data from near the waste face
 - Obtain video over the waste columns using telescoping pole/camera
 - As requested by AIB, obtain two adjacent rad smears for future analysis from items near the waste face (e.g., chair, table, slip-sheet, pigs, etc.)
 - Smears to be labeled accordingly (e.g., 1, 1A, 2, 2A, etc.)
 - Periodically communicate status to T-1 or the CMR along the travel route. A status of "SAT" may be used to indicate the criteria above (e.g., ground control, rad, air quality, and heat stress) has been satisfied
 - Ensure infrastructure equipment and supplies are configured for storage / next reentry

SIGN OFF RTL

- [] 8.2.5 **T-2 TRAVERSE** towards transition area and perform the following:
- As requested by AIB, obtain two adjacent rad smears for future analysis from exhaust drift
 - Smears to be labeled accordingly (e.g., 1, 1A, 2, 2A, etc.)
 - Doff one outer pair of shoe covers and one outer pair of gloves.
 - Process through transition area

SIGN OFF RTL

8.3 PHASE 3 (Activity 8) COMPLETION ACTIVITIES

- 8.3.1 **T-1 / T-2 TRAVERSE** towards Operating Base (SH Station) and perform the following:
- Ensure identified materials are transported to surface
 - Secure CAMs & workplace air samplers as necessary
 - Periodically communicate status to CMR via mine pager phones along the travel route and/or upon completion of the traverse
- 8.3.2 **HO INITATE TRANSPORT** of Reentry teams to the surface after they arrive at Operating Base (SH Station).
- 8.3.3 **RTL ENSURE** team members have **BRASS OUT** and make the following notifications:
- CMRO termination of ESS
 - Final probe of Station A

SIGN OFF RTL

- 8.3.4 **RTL ENSURE** a Request for Disposal (RFD) is documented for this evolution and contact Site Environmental Compliance (SEC) for disposal of generated waste.
- 8.3.4.1 **RTL ENSURE** that the Container Inventory / Activity Log (Attachment 1 of WP 02-RC3110) is filled out with activities of each bag of waste in the UG R/hr range and the weight of each bag is complete. Attach this Container Inventory/Activity Log to the RFD.

SIGN OFF RTL

8.4 OPERATIONAL ACCEPTANCE

- 8.4.1 **RTL DETERMINE** if Phase 3 (Activity 8) was successful in obtaining sufficient photographs / video / sample data.
- 8.4.1.1 **IF** sufficient photographs / video / sample data were not obtained,
- THEN** determine need for next entry,
- AND** Re-perform this WCD in its entirety.

SIGN OFF RTL

8.5 POST-JOB REVIEW

[] 8.5.1 RTL CONDUCT post-job review per WP 04-AD3030.

SIGN OFF RTL

Attachment 1 – SIGN-OFF SHEET

PREREQUISITES

| Section | Action | Initials |
|---------|--|---------------------------------------|
| 7.0 | Ensure All Prerequisites are complete. Designated Oversight _____ | RTL _____ Date _____ Time _____ |

PERFORMANCE

| Section | Action | Initials |
|-----------|---|------------------------|
| [] 8.1.1 | Personnel Brass-In | RTL _____ |
| [] 8.2.4 | Obtained photography/video/smears at waste stack | RTL _____ |
| [] 8.2.5 | Obtained smears from exhaust drift | RTL _____ N/A _____ |
| [] 8.3.3 | Personnel Brass-Out | RTL _____ |
| [] 8.4.1 | RTL determine sufficient data obtained <input type="checkbox"/> Obtained <input type="checkbox"/> Not Obtained | RTL _____ |
| [] 8.5.1 | RTL Conduct Post-Job Review | RTL _____ |

PERSONNEL DATA

| PRINTED NAME | SIGNATURE | INITIALS | DATE |
|--------------|-----------|----------|------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

Attachment 2

Page 1 of 2

**CMR Monitoring
[ESS-2014-03]**

To ensure compliance with ESS-2014-03, Rev. 2, Re-Entry Evaluation of the Safety of the Situation, the following items will be monitored by a CMRO:

- **IF** any of the differential pressure readings identified below reach the alarm value,
THEN NOTIFY the Re-entry Team to exit the U/G. **[ESS-2014-02-01]**
 - PDAH-056-002/006 MOD EFF. FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-003/007 HIGH EFF. FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-004/008 1st HEPA FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - PDAH-056-005/009 2nd HEPA FILTER HEPA UNIT 41-B-856/857 CLOGGED
 - 413 UVFS MOD FLTR 856/857 CLOG (CMS Point # CH5602/5610)
 - 413 UVFS HI FLTR 856/857 CLOG (CMS Point # CH5604/5612)
 - 413 UVFS 1ST HEPA 856/857 CLOG (CMS Point # CH5606/5614)
 - 413 UVFS 2ND HEPA 856/857 CLOG (CMS Point # CH5608/5616)

- **IF** the differential pressure for the Waste Hoist Tower alarms,
THEN NOTIFY the Re-entry Team to exit the U/G. **[ESS-2014-02-02]**

- **IF** any of the two differential pressures identified below are other than negative,
THEN NOTIFY the Re-entry Team to exit the U/G. **[ESS-2014-02-03]**
 - DP Station – dp6: 313 Bulkhead – negative d/p
 - DP Station – dp12 707 Bulkhead – negative d/p

- **IF** the U/G Ventilation System shuts down for any reason,
THEN NOTIFY the Re-entry Team to exit the U/G. **[ESS-2014-02-04]**

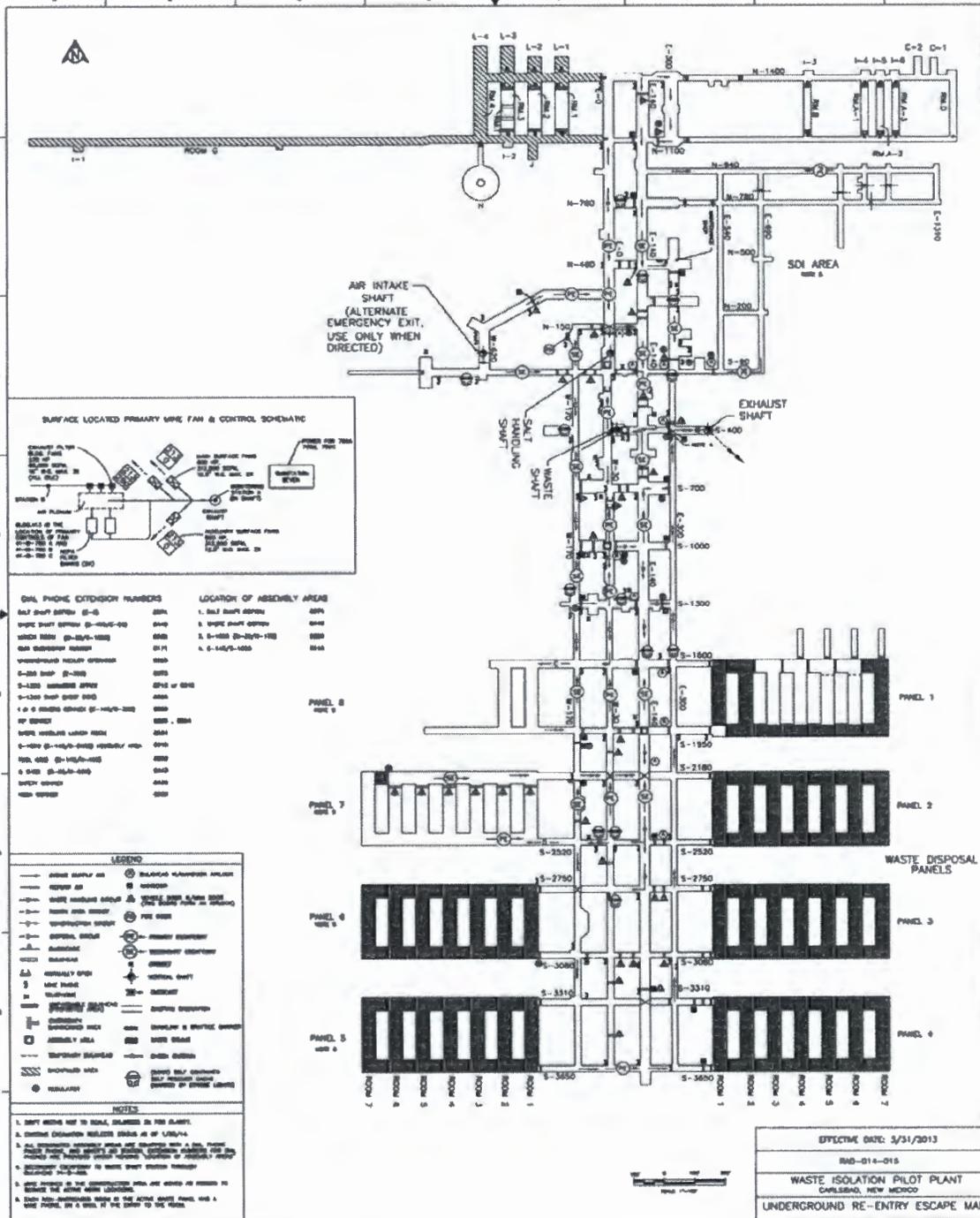
Attachment 2

Page 2 of 2

- A direct frisk of the filter will be performed at Station A every hour while personnel are in the U/G.
IF the reported results indicate activity > 2000 dpm/100cm² alpha or > 10000 dpm/100cm² beta,
THEN NOTIFY the Re-entry Team to exit the U/G. [ESS-2014-02-05]

SIGN OFF CMRO

Reentry Escape Route Map



Geotechnical Engineering Ground Control Guidance Information

Geotechnical Engineering Ground Control Guidance Information

| Investigation Route | Roof Bolt Pattern | Geotechnical Instrumentation | | Maintain a Safety Factor of 1.5 | | Comments |
|---|--------------------------|---|---------------------|---|--|--|
| | | Bolt Loss History | | Max Acceptable Bolt Loss in Newest Roof Bolt Pattern | | |
| | | Feb-March 2010-2013 | Rates | (Broken Dywidag Roof Bolts per 25 linear feet of drift) | | |
| | | Maximum ¹ , Average ² | | | | |
| ED Drift | | | | | | |
| N0 (Salt Shaft) to N150 N150 to N300 | 4,6, 10-ft Mechanical | 1, 1 | Slightly Increasing | N/A | | Single roof bolt pattern installed |
| | 14-ft Dywidag | 1, 1 | Steady | 10 | | Single roof bolt pattern installed |
| E140 Drift | | | | | | |
| N150 to S90 | 12-ft Dywidag | 1, 1 | No Data | 10 | | Single roof bolt pattern installed |
| S90 to S400 | 12-ft Dywidag | 1, 1 | Slightly Increasing | 10 | | Single roof bolt pattern installed |
| S400 to S700 | 12-ft Dywidag | 1, 1 | Slightly Increasing | 10 | | Single roof bolt pattern installed |
| S700 to S1000 | 12 and 14-ft Dywidag | 7, 5 | Steady | 10 | | Multiple roof bolt patterns installed. |
| S1000 to S1300 | 12 and 14-ft Dywidag | 11, 6 | Steady | 10 | | Multiple roof bolt patterns installed. |
| S1300 to S1600 | 12 and 14-ft Dywidag | 12, 7 | Steady | 10 | | Multiple roof bolt patterns installed. |
| S1600 to S1950 | 12 and 14-ft Dywidag | 14, 11 | Steady | 10 | | Multiple roof bolt patterns installed. |
| S1950 to S2180 | 12 and 14-ft Dywidag | 16, 11 | Increasing | 10 | | Multiple roof bolt patterns installed. |
| S2180 to S2520 | 12 and 18-ft Dywidag | 21, 17 | Decreasing | 10 | | Multiple roof bolt patterns installed. |
| S2520 to S2750 | 12 and 14-ft Dywidag | 18, 12 | Steady | 10 | | Multiple roof bolt patterns installed. |
| W30 Drift | | | | | | |
| Salt Shaft to S700 | 4,6, 10-ft Mechanical | 1, 1 | Decreasing | N/A | | Multiple roof bolt patterns installed. |
| S700 to S1000 | 12-ft Dywidag | 1, 1 | Steady | 8 | | Single roof bolt pattern installed |
| S1000 to S1300 | 12-ft Dywidag | 2, 1 | Steady | 8 | | Single roof bolt pattern installed |
| S1300 to S1600 | 12-ft Dywidag | 0, 0 | Decreasing | 8 | | Single roof bolt pattern installed |
| S1600 to S1950 | 12-ft Dywidag | 0, 0 | Decreasing | 8 | | Single roof bolt pattern installed |
| S1950 to S2180 | 12-ft Dywidag | 1, 1 | Slightly Increasing | 8 | | Single roof bolt pattern installed |
| S2180 to S2520 | 12-ft Dywidag | 2, 1 | Steady | 8 | | Single roof bolt pattern installed |
| S2520 to S2750 | 12 and 14-ft Dywidag | 1, 1 | Steady | 8 | | Multiple roof bolt patterns installed. |
| W170 Drift | | | | | | |
| S90 to S400 | 4,6 and 10-ft Mechanical | 0, 0 | Steady | N/A | | Single roof bolt pattern installed |
| S400 to S700 | 4,6 and 10-ft Mechanical | 0, 0 | Steady | N/A | | Single roof bolt pattern installed |
| S700 to S1000 | 4,6 and 10-ft Mechanical | 0, 0 | Steady | N/A | | Single roof bolt pattern installed |
| S1000 to S1300 | 4,6 and 10-ft Mechanical | 2, 1 | Slight Increase | N/A | | Single roof bolt pattern installed |
| S1300 to S1600 | 4,6 and 10-ft Mechanical | 0, 0 | Increasing | N/A | | Single roof bolt pattern installed |
| S1600 to S1950 | 14-ft Dywidag | 0, 0 | Increasing | 6 | | Multiple roof bolt patterns installed. |
| S1950 to S2180 | 14-ft Dywidag | 3, 1 | Increasing | 6 | | Multiple roof bolt patterns installed. |
| S2180 to S2520 | 14-ft Dywidag | 1, 1 | Steady | 6 | | Multiple roof bolt patterns installed. |
| N150 Drift | | | | | | |
| E140 to ED | 4,6 and 10-ft Mechanical | 0, 0 | Decreasing | N/A | | Single roof bolt pattern installed |
| S90 Drift | | | | | | |
| Salt to S90 | 4,6 and 10-ft Mechanical | 1, 1 | No Data | N/A | | Single roof bolt pattern installed |
| ED to E140 | 4,6 and 10-ft Mechanical | 0, 0 | No Data | N/A | | Single roof bolt pattern installed |
| W30-W170 | 4,6 and 10-ft Mechanical | 0, 0 | Steady | N/A | | Single roof bolt pattern installed |
| W170-W620 | 4,6 and 10-ft Mechanical | 0, 0 | Steady | N/A | | Single roof bolt pattern installed |

WORKING 5/14 14:01 HF

Geotechnical Engineering Ground Control Guidance Information

Geotechnical Engineering Ground Control Guidance Information

| | | | | | |
|--|--------------------------|------|------------|-----|--|
| S400 Drift E140 to E300 | 4,6 and 10-ft Mechanical | 1, 1 | No Data | N/A | Single roof bolt pattern installed |
| S700 Drift E140 to W30 | 14-ft Dywidag | 1, 1 | Steady | 8 | Single roof bolt pattern installed |
| S1600 Drift W30 to W170 | 12 and 14-ft Dywidag | 0, 0 | No Data | 8 | Single roof bolt pattern installed |
| S1950 Drift W30 to E140 W30 to W170 | 14-ft Dywidag | 1, 1 | Decreasing | 6 | Single roof bolt pattern installed |
| | 12-ft Dywidag | 0, 0 | No Data | 6 | Single roof bolt pattern installed |
| S2520 Drift E140 to W30 W30 to W170 W170 to Room 7 Waste Stack | 14-ft Dywidag | 0, 0 | Steady | 8 | Single roof bolt pattern installed |
| | 14-ft Dywidag | 0, 0 | Decreasing | 8 | Single roof bolt pattern installed |
| | 12-ft Dywidag | N/A | Steady | N/A | Spot Bolted Only |
| S2750 Drift E140 to W30 W30 to W170 W170 to Room 1 | 12 and 14-ft Dywidag | 2, 1 | Decreasing | 8 | Multiple roof bolt patterns installed. |
| | 12 and 14-ft Dywidag | 2, 1 | Steady | 8 | Multiple roof bolt patterns installed. |
| | 12 and 14-ft Dywidag | 0, 0 | Increasing | 8 | Multiple roof bolt patterns installed. |
| AIS Access Drift EO-N300 to N135 N135-W620 to AIS | 12 and 14-ft Dywidag | 3, 2 | Steady | 10 | Multiple roof bolt patterns installed. |
| | 12 and 14-ft Dywidag | 1, 1 | Steady | 10 | Multiple roof bolt patterns installed. |

Notes:
 Avoid walking under clusters of broken roof bolts.
 Avoid walking under segmented blocks of ground that are not supported.
 Failed roof bolt plates will be numerous.
 Roof bolt failures near the ribline are not as critical as those located in the center of the drift or those supporting a sagging roof beam.
 The S2750 drift and ramp areas (S2520 to S2750) are the most active. Preferred route is E140 drift ramp.
 Rule of Thumb: A minimum of 1 Dywidag (threaded bar) roof bolt per 45 square feet in older workings.
 Newly mined areas require little heavy ground support. Most concerns are with drummy ground and shallow separations along the back/rib.
 The roof bolt losses are calculated on the newest Dywidag roof bolt pattern.
¹ Largest number of February through March broken bolts in any of the 4 years.
² The yearly February through March broken bolt values were averaged and the average values were rounded up.
 The numbers of broken bolts are based on the Latest Generation of Bolts installed and a safety factor of 1.5.
 There will likely be more roof bolts broken (exceeding our go/ no go decision point) but they will be of the previous generations for which we do not take any credit for.

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 5/19/2014 am

| | A | B | C | D | E | F |
|----|-----------------|----------------|--|--------------------|--|--|
| 1 | Date Identified | Requestor | Action | Responsible Person | Due Date | Status |
| 5 | 03/18/14 | Trais Kliphuis | Will receipt of waste at WCS be in compliance with the RCRA permit. For example chain-of-custody issues. | Farok | Discuss tbd. See action item below | Farok described in detail the process that is planned to be used. NMED wants to understand how the program will be audited prior to shipping to WIPP. |
| 6 | 03/19/14 | Trais Kliphuis | Prepare a letter and fact sheet to address NMED regarding controls at WCS to ensure security of containers and compliance with permit. | Farok | 3/28/2014 | Draft has been shared with NMED. NMED needs additional time to review and provide comments. |
| 20 | 03/20/14 | Trais Kliphuis | Responses to EIS questions asked by NMED will be placed in writing and provided to NMED by next week. | Chavez/Kehrman | 4/30 in response to NMED's comment discussed on 4/23. | Re-opened. A response has been posted for NMED review. NMED discussed comments with Chavez & Kehrman on 4/23. Response combined with item #25. |
| 25 | 03/31/14 | Trais Kliphuis | Was the leak at the dampers a source of the release? If not, what was the source? | Rick Chavez | 4/30 in response to NMED's comments discussed on 4/23. | A response has been posted for NMED review. NMED discussed comments with Chavez & Kehrman on 4/23. Response combined with item #20. |
| 43 | 04/22/14 | Nick Stone | What are the plans for the waste that is currently in storage in the Waste Handling Building? | Kennedy/Chavez | tbd | The existing NMED Administrative Order addresses this through May 17, 2014. |
| 44 | 04/23/14 | Nick Stone | Are there any plans to view or otherwise gather data from the waste face on the exhaust side of Panel 7, Room 7? | Kennedy | tbd | Plans are to take swipes (5/3) using a pole from the slider at the end of Room 6 (pending CBFO Nuclear Safety review); no physical entry will be made into exhaust side. |

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 5/19/2014 am

| | A | B | C | D | E | F |
|----|------------------------------|----------------------------------|---|--|-----------|---|
| 53 | 5/5/2014 and 5/14/2014 | Steve Holmes | Are there any neutron sources in waste containers that have been placed nearby potential neutron getters that could create a heat source in Panel 7, Room 7? NMED wants sampling results; looking for specific isotopes. | Stroble/Pearcy | tbd | Re-opened (@ NMED [Holmes] request). There is no identified potential for neutron sources to have interacted with other materials in Panel 7 to create a heat source. CCP (Gulbransen) provided explanation of 3 neutron sources (spontaneous fission, mixed sources and α , n reaction) evaluated with a negative results. Verbal explanation will be provided in writing. |
| 54 | 5/5/2014 and 5/6/2014 | Trais Kliphuis | What is the status of investigating the LANL nitrate salt waste stream? Requested a written summary of LANL activities. | Kennedy | 5/12/2014 | CCP participated in 5/6 call. CCP (Pearcy) will provide a copy of LANL summary reports to Oba for posting. Additional questions NMED were submitted on 5/8 to CBFO and NWP. Draft written response submitted 5/14. |
| 55 | 5/6/2014 and 5/7/2014 | Coleman Smith / Nick Stone | Provide "spec sheets" for organic and inorganic absorbents that are inside of the LANL nitrate salt waste stream. Provide any additional analysis performed by LANL, if available. | Stroble/Pete Maggiore/LANL Chemist tbd | tbd | Information on the organic-based (<i>Swheat Scoop</i>) kitty liter used has been posted on ICLN. LANL Sr. Manager Nan Sauer, discussed experiments with the Swheat kitty liter and various nitrate mixtures in 5/13 call. |
| 56 | 5/7/2014 and 5/8/2014 | Trais Kliphuis | What information is LANL hoping to find by collecting additional headspace gas samples on containers with the MIN02 waste stream? What test method is LANL using? | Pete Maggiore/LANL Chemist tbd | tbd | Additional NMED question, What is the objective/purpose of doing the analysis on headspace gas? LANL Sr. Manager Nan Sauer, discussed results of headspace gas sampling in 5/13 call. Draft written response submitted 5/14. |

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 5/19/2014 am

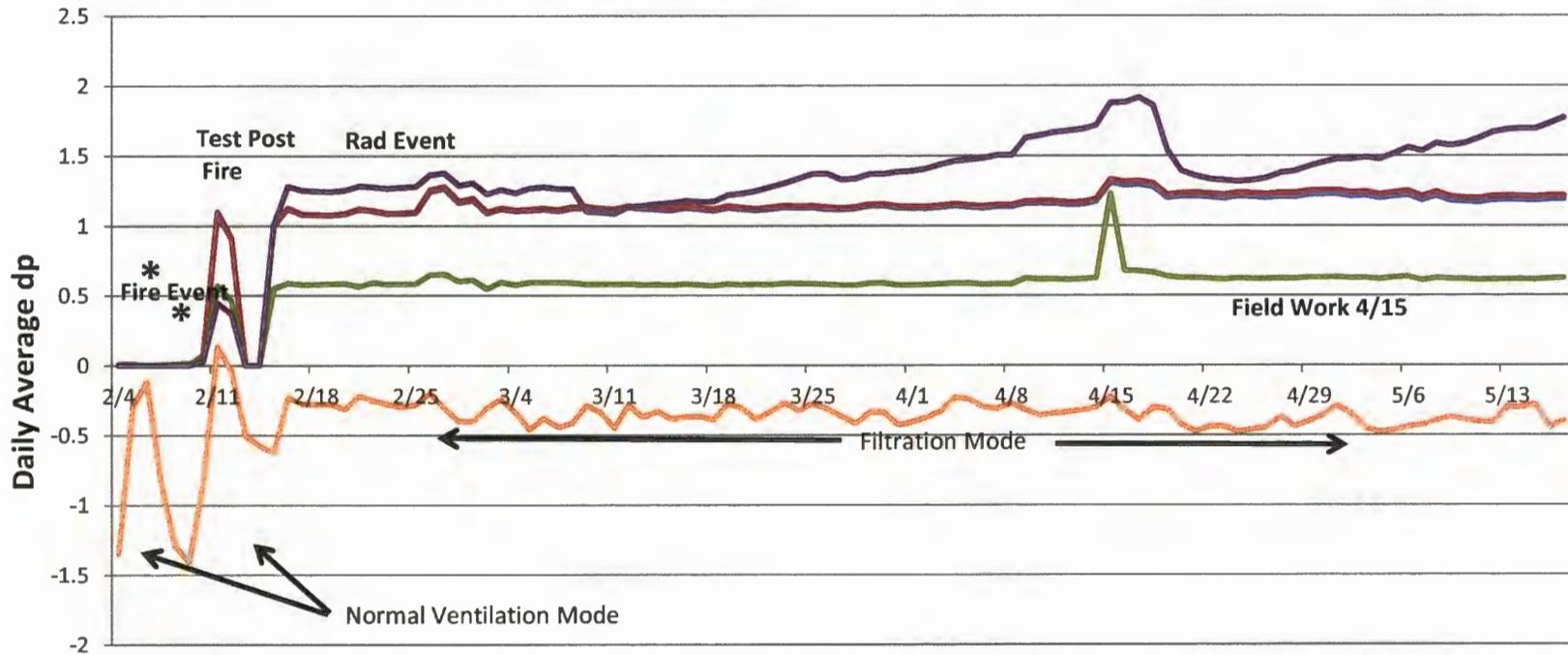
| | A | B | C | D | E | F |
|----|----------|-----------------|--|---------|----------------|---|
| 57 | 05/07/14 | Kathy Economy | Requested isotopic data from Station B samples. | Oba | 5/14/2014 | Raw data has provided 5/9. A written DAC to curie conversion is needed. Request will enable comparison of CAP88 and CEMRC data with DOE data. Response should be posted 5/14. |
| 60 | 05/07/14 | Coleman Smith | Requested a written response as to why MIN02 is a problem and the other three waste streams with the same AK documentation are not perceived as a problem. | Stroble | tbd | A response has been posted for NMED review. NMED will provide comments to CBFO. An additional question, <i>What is in the MDH01 waste stream?</i> A heterogeneous debris waste. Draft written response submitted 5/14. |
| 63 | 05/08/14 | Trais Kliphuis | What part does potential movement during transportation play in this reaction? | Stroble | | DOE is re-evaluating. |
| 65 | 05/08/14 | Ricardo Maestas | Was the same kitty liter used in any other waste streams? | Stroble | | Under investigation. |
| 66 | 05/13/14 | Trais Kliphuis | NMED would like copies of LANL tests and reports done with kitty liter and nitrates. | Vincent | when available | LANL is working on an information package. |
| 67 | 05/13/14 | Trais Kliphuis | NMED would like copies of LANL procedures used to evaluate reactions between kitty liter and nitrates. | Vincent | when available | LANL is working on an information package. |

WIPP RECOVERY 1:00 DAILY MEETING ACTION LIST

Revised 5/19/2014 am

| | A | B | C | D | E | F |
|----|----------|-------------------|--|----------------|-----------|---|
| 68 | 05/14/14 | Coleman Smith | Explain the reasoning for separating MINO2 packages by 3 feet. Discussed at 0830, 5/14 call. | Stroble/Pearcy | 5/16/2014 | The question was along the lines of - if containers needed to be moved, would there be adequate space to separate the containers by 3 feet? Therefore, the spatial distance at WCS was evaluated and determined that there was adequate floor space to separate the containers by 3 feet. However, no repositioning of the containers has occurred. |
| 69 | 05/16/14 | Trais Kliphuis | Requested information of any "corrective actions" related to the AK Documentation WIPP Form. | Stroble? | tbd | Information is still being evaluated at this time. |

41-B-857 HEPA Bank and Waste Hoist Tower Differential Pressure



Prior to 2/5/2014 (2/3 @ 0200-0215)

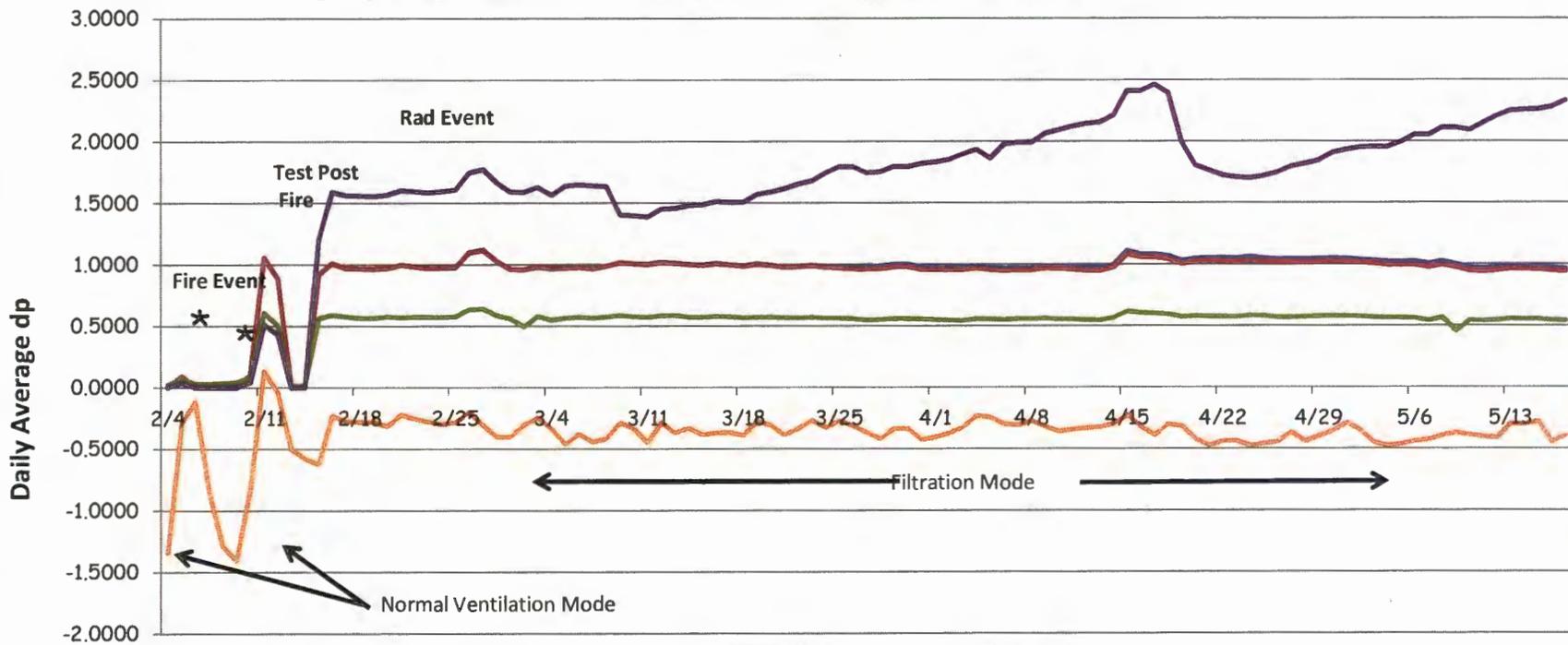
| | |
|-----|-----------|
| 857 | Mod 0.45 |
| 857 | High 0.75 |
| 857 | HEPA 1.52 |
| 857 | HEPA 1.45 |

*** Fire Event Waste Tower dp Details**

During the Fire Event positive dp was seen on 2/5 and 2/6. Overall the dp was negative for the daily average.
 2/5 Positive dp (Avg) + 0.308 (Duration 13 hrs)
 2/6 Positive dp (AVg) + 0.200 (Duration 14 hrs)

- HEPA
- HEPA
- Hi Particulate
- Mod Filter
- WH Tower

41-B-856 HEPA Bank and Waste Hoist Tower Differential Pressure



Prior to 2/5/2014 (2/3 @ 0200-0215)

| | |
|----------|------|
| 856 Mod | 0.47 |
| 856 High | 0.75 |
| 856 HEPA | 1.54 |
| 856 HEPA | 1.45 |

*** Fire Event Waste Tower dp Details**

During the Fire Event positive dp was seen on 2/5 and 2/6. Overall the dp was negative for the daily average.
 2/5 Postive dp (Avg) + 0.308 (Duration 13 hrs)
 2/6 Postive dp (AVg) + 0.200 (Duration 14 hrs)

- HEPA
- HEPA
- Hi Particulate
- Mod Filter
- WH Tower

WIPP Event Investigation
LANL Summary of 5/16 and 5/17 Providing Input for WIPP Daily Meeting on 5/18/14

LANL Scientific and Operational Activities

- Safely completed over-packing of all remediated nitrate salt drums remaining at LANL into SWB over-packs. These are currently located in Dome 230. These will next be moved into the box-line areas (Buildings 375 and Dome 231) that have controlled ventilation as well as fire protection. Cleanout of equipment in the boxlines and paperwork changes begin 5/19. Visual monitoring (hourly) and thermography (daily) is now being performed on the remediated waste.
- The remaining two TRUPACT II shipping containers at RANT will be unloaded on Monday 5/19. The SWBs containing remediated nitrate salts from the first TRUPACT II unloaded on 5/16 were moved to Dome 230.
- The SWB containing the sibling drum of the one with the likely breach at WIPP was relocated from Building 412 into the Building 375 boxline enclosure. The other SWB at Building 412 was relocated to Dome 230 with the other remediated waste.
- Daily headspace gas sampling of the SWB containing the sibling drum of the one with the likely breach at WIPP will start 5/19. This was approved by the AIB.
- Received kitty litter and neutralization reports from EnergySolutions and will provide to Kathy.
- The PISA with the associated ORPS report is being worked.
- Revisions to acceptable knowledge documents are in process.
- Provided thermal imagery camera to NWP.
- No issues were identified in daily inspections or container movements of the remediated salt waste on 5/17 or 5/18.

Coordination and Communications

- Working with WIPP on NMED information request.
- Received preliminary SRNL fixed air sample and swipe sample analysis data.

Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------------------|------------|----------------------|-------------|------------|-------------------------|
| 2/14/14 | 2/14/14 0742 | 2/15/14 0630 | A230214140742 | 4.4M** | 1.2M | 021514/0649 | Laboratory Analysis | | | 8.2M* | <MDA | N/P |
| 2/15/14 | 2/15/14 0630 | 2/15/14 0840 | A230215140630 | 225K | 46.8K | 021514/0916 | Laboratory Analysis | | | 213K* | <MDA | N/P |
| 2/15/14 | 2/15/14 0840 | 2/15/14 1510 | A230215140840 | 285K | 54K | 021514/1541 | Rad Analysis in SRS Lab | | | N/A | N/A | N/P |
| 2/15/14 | 2/15/14 1510 | 2/15/14 2330 | A230215141510 | 124K | 24481 | 021614/0012 | Rad Analysis in SRS Lab | | | N/A | N/A | N/P |
| 2/15/14 | 2/15/14 2330 | 2/16/14 0850 | A230215142330 | 47.3K | 10558 | 021614/0917 | Count Not Performed | | | 46.3K | 8749 | 030614/1555 |
| 2/16/14 | 2/16/14 0850 | 2/16/14 1648 | A230216140850 | 12.3K | 2842 | 021614/1927 | Count Not Performed | | | 12.2K | 2306 | 030614/1555 |
| 2/16/14 | 2/16/14 1648 | 2/17/14 0015 | A230216141650 | 4051 | 1256 | 021714/0046 | Count Not Performed | | | 3526 | 702 | 030614/1555 |
| 2/17/14 | 2/17/14 0015 | 2/17/14 0820 | A230217140015 | 1802 | 638 | 021714/0942 | 1723 | 573 | 021714/1012 | 1660 | 325 | 030614/1555 |
| 2/17/14 | 2/17/14 0820 | 2/17/14 1620 | A230217140820 | 1048 | 621 | 021714/1705 | Count Not Performed | | | 767 | 150 | 030614/1555 |
| 2/17/14 | 2/17/14 1620 | 2/18/14 0010 | A230217141620 | 802 | 633 | 021814/0051 | 633 | 230 | 021814/1012 | 44 | 8 | 030614/1555 |
| 2/18/14 | 2/18/14 0010 | 2/18/14 0820 | A230218140010 | 326 | 338 | 021814/0928 | 237 | 157 | 021814/1202 | 163 | 30 | 030614/1555 |
| 2/18/14 | 2/18/14 0820 | 2/18/14 1605 | A230218140820 | 609 | 780 | 021814/1624 | 258 | 118 | 021914/0315 | 239 | 39 | 030614/1555 |
| 2/18/14 | 2/18/14 1605 | 2/19/14 0035 | A230218141605 | 346 | 340 | 021914/0143 | 227 | 143 | 021914/0547 | 186 | 41 | 030614/1555 |
| 2/19/14 | 2/19/14 0035 | 2/19/14 0823 | A230219140040 | 224 | 320 | 021914/0952 | 136 | 143 | 021914/1222 | 72 | 12 | 030914/1349 |
| 2/19/14 | 2/19/14 0823 | 2/19/14 1600 | A230219140823 | 264 | 443 | 021914/1708 | 130 | 137 | 021914/2046 | 84 | 11 | 030914/1349 |

urate due to debris filter loading.

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|---------------------|------------|----------------------|-------------|------------|-------------------------|
| 2/19/14 | 2/19/14 1600 | 2/20/14 0018 | A230219141600 | 286 | 378 | 022014/0124 | 150 | 119 | 022014/0352 | 93 | 12 | 030914/1350 |
| 2/20/14 | 2/20/14 0018 | 2/20/14 0817 | A230220140018 | 290 | 219 | 022014/1010 | 216 | 146 | 022014/1256 | 165 | 25 | 030914/1357 |
| 2/20/14 | 2/20/14 0817 | 2/20/14 1624 | A230220140817 | 135 | 131 | 022014/1838 | 107 | 85 | 022014/2204 | 70 | 12 | 030914/1357 |
| 2/20/14 | 2/20/14 1624 | 2/21/14 0012 | A230220141624 | 231 | 103 | 022114/0154 | 203 | 84 | 022114/0505 | 173 | 26 | 030914/1357 |
| 2/21/14 | 2/21/14 0012 | 2/21/14 0845 | A230221140012 | 330 | 146 | 022114/1027 | 286 | 105 | 022114/1532 | 250 | 39 | 030914/1357 |
| 2/21/14 | 2/21/14 0845 | 2/21/14 1620 | A230221140845 | 253 | 199 | 022114/1654 | 175 | 86 | 022114/2000 | 158 | 22 | 030914/1358 |
| 2/21/14 | 2/21/14 1620 | 2/22/14 0050 | A230221141620 | 388 | 549 | 022214/0124 | 215 | 154 | 022214/0400 | 168 | 24 | 030914/1358 |
| 2/22/14 | 2/22/14 0050 | 2/22/14 0830 | A230222140050 | 421 | 599 | 022214/0906 | 180 | 154 | 022214/1150 | 107 | 16 | 030914/1517 |
| 2/22/14 | 2/22/14 0830 | 2/22/14 1615 | A230222140830 | 243 | 337 | 022214/1713 | 140 | 166 | 022214/2004 | 67 | 12 | 030914/1518 |
| 2/22/14 | 2/22/14 1615 | 2/23/14 0011 | A230222141650 | 487 | 626 | 022314/0047 | 208 | 129 | 022314/0401 | 160 | 26 | 030914/1518 |
| 2/23/14 | 2/23/14 0011 | 2/23/14 0830 | A230223140011 | 328 | 504 | 022314/0906 | 162 | 167 | 022314/1222 | 94 | 14 | 030914/1547 |
| 2/23/14 | 2/23/14 0830 | 2/23/14 1615 | A230223140830 | 225 | 340 | 022314/1644 | Count Not Performed | | | 46 | 7 | 030914/1548 |
| 2/23/14 | 2/23/14 1615 | 2/24/14 0025 | A230223141615 | 412 | 696 | 022414/0048 | 102 | 109 | 022414/0405 | 39 | 5 | 030914/1548 |
| 2/24/14 | 2/24/14 0025 | 2/24/14 0912 | A230224140025 | 195 | 309 | 022414/1137 | 149 | 213 | 022414/1540 | 46 | 8 | 030914/1552 |
| 2/24/14 | 2/24/14 0912 | 2/24/14 1702 | A230224140912 | 437 | 740 | 022414/1733 | 141 | 214 | 022414/2031 | 26 | <MDA | 030914/1552 |
| 2/24/14 | 2/24/14 1702 | 2/25/14 0005 | A230224141702 | 429 | 796 | 022514/0029 | 91 | 138 | 022514/0355 | 26 | 7 | 030914/1553 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|---------------------|------------|----------------------|-------------|------------|-------------------------|
| 2/25/14 | 2/25/14 0005 | 2/25/14 0830 | A230225140005 | 381 | 618 | 022514/0951 | 138 | 194 | 022514/1349 | 30 | 8 | 030914/1636 |
| 2/25/14 | 2/25/14 0830 | 2/25/14 1628 | A120225140830 | 544 | 962 | 022514/1730 | 165 | 277 | 022514/2000 | 17 | <MDA | 030914/1636 |
| 2/25/14 | 2/25/14 1628 | 2/26/14 0025 | A230225141628 | 647 | 1140 | 022614/0100 | 161 | 263 | 022614/0407 | 28 | <MDA | 030914/1636 |
| 2/26/14 | 2/26/14 0025 | 2/26/14 0845 | A230226140025 | 307 | 487 | 022614/0958 | 158 | 225 | 022614/1354 | 32 | <MDA | 030914/1636 |
| 2/26/14 | 2/26/14 0845 | 2/26/14 1640 | A230226140845 | 377 | 579 | 022614/1729 | Count Not Performed | | | 35 | 6 | 030914/1637 |
| 2/26/14 | 2/26/14 1640 | 2/27/14 0015 | A230226141640 | 458 | 826 | 022714/0052 | 114 | 172 | 022714/0408 | 25 | 14 | 030914/1637 |
| 2/27/14 | 2/27/14 0015 | 2/27/14 0903 | A230227140015 | 685 | 1198 | 022714/0932 | 191 | 340 | 022714/1225 | 26 | 9 | 030914/2058 |
| 2/27/14 | 2/27/14 0903 | 2/27/14 1651 | A230227140903 | 457 | 793 | 022714/1726 | 78 | 103 | 022814/0424 | 30 | 12 | 030914/2055 |
| 2/28/14 | 2/27/14 1651 | 2/28/14 0015 | A230227141651 | 239 | 423 | 022812/0046 | 52 | 90 | 022814/0401 | 14 | <MDA | 030914/2053 |
| 2/28/14 | 2/28/14 0015 | 2/28/14 0835 | A230228140015 | 81 | 136 | 022814/1032 | 49 | 81 | 022814/1417 | 11 | <MDA | 030914/2103 |
| 2/28/14 | 2/28/14 0835 | 02/28/14 1615 | A230228140835 | 84 | 127 | 022814/1820 | 43 | 91 | 022814/2119 | 9 | <MDA | 030914/2107 |
| 3/1/14 | 2/28/14 1615 | 3/1/14 0104 | A230228141615 | 133 | 208 | 030114/0235 | 60 | 89 | 030114/0527 | 16 | 7 | 030914/2213 |
| 3/1/14 | 3/1/14 0104 | 3/1/14 0855 | A230301140104 | 224 | 440 | 030114/0956 | 73 | 116 | 030114/1257 | 9 | 8 | 030914/2210 |
| 3/1/14 | 3/1/14 0855 | 3/1/14 1656 | A230301140855 | 186 | 354 | 030114/1756 | 69 | 94 | 030114/2109 | 18 | <MDA | 030914/2249 |
| 3/1/14 | 3/1/14 1656 | 3/2/14 0007 | A230301141656 | 121 | 213 | 030214/0107 | 47 | 55 | 030214/0512 | 17 | 9 | 030914/2249 |
| 3/2/14 | 3/2/14 0007 | 3/2/14 0825 | A230302140007 | 918 | 1638 | 030214/0836 | 122 | 218 | 030214/1155 | 15 | <MDA | 030914/2251 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|--------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/2/14 | 3/2/14 0825 | 3/2/14 1650 | A230302140825 | 563 | 973 | 030214/1732 | 155 | 311 | 030214/2124 | 13 | 7 | 030914/2251 |
| 3/2/14 | 3/2/14 1650 | 3/3/14 0106 | A230302141650 | 359 | 621 | 030314/0158 | 150 | 258 | 030314/0537 | 25 | 7 | 030914/2254 |
| 3/3/14 | 3/3/14 0106 | 3/3/14 0817 | A230303140106 | 264 | 468 | 030314/0915 | 118 | 201 | 030314/1217 | 19 | 7 | 030914/2255 |
| 3/3/14 | 3/3/14 0817 | 3/3/14 1630 | A230303140817 | 380 | 699 | 030314/1704 | 97 | 172 | 030314/2103 | 19 | 8 | 030914/2256 |
| 3/3/14 | 3/3/14 1630 | 3/4/14 0034 | A230303141630 | 191 | 340 | 030414/0207 | 93 | 147 | 030414/0543 | 25 | 7 | 030914/2258 |
| 3/4/14 | 3/4/14 0034 | 3/4/14 0817 | A230304140034 | 479 | 757 | 030414/0900 | 135 | 199 | 030414/1130 | 18 | <MDA | 030914/2249 |
| 3/4/14 | 3/4/14 0817 | 3/4/14 1557 | A230304140817 | 384 | 586 | 030414/1639 | 120 | 129 | 030414/1957 | 40 | 10 | 031014/0121 |
| 3/4/14 | 3/4/14 1557 | 3/5/14 0022 | A230304141557 | 399 | 753 | 030514/0051 | 74 | 143 | 030514/0351 | 14 | <MDA | 031014/0117 |
| 3/5/14 | 3/5/14 0022 | 3/5/14 0835 | A230305140022 | 674 | 1162 | 030514/0903 | 112 | 203 | 030514/1206 | 12 | <MDA | 031014/0118 |
| 3/5/14 | 3/5/14 0835 | 3/5/14 1605 | A230305140835 | 203 | 344 | 030514/1622 | 130 | 184 | 030514/2007 | 51 | 7 | 031014/0119 |
| 3/5/14 | 3/5/14 1605 | 3/6/14 0040 | A230305141605 | 341 | 599 | 030614/0109 | 118 | 168 | 030614/0403 | 45 | 13 | 031014/0120 |
| 3/6/14 | 3/6/14 0040 | 3/6/14 0820 | A230306140040 | 117 | 174 | 030614/1238 | 70 | 116 | 030614/2011 | 40 | 10 | 031014/0121 |
| 3/6/14 | 3/6/14 0820 | 3/6/14 1554 | A230306140820 | 151 | 244 | 030614/1725 | 55 | 85 | 030614/2349 | 19 | 5 | 031114/1135 |
| 3/6/14 | 3/6/14 1554 | 3/7/14 0015 | A230306141554 | 467 | 894 | 030714/0039 | 97 | 171 | 030714/0401 | 12 | <MDA | 031114/1135 |
| 3/7/14 | 3/7/14 0015 | 3/7/14 1055 | A230307140015 | 210 | 384 | 030714/1225 | 88 | 136 | 030714/2141 | 18 | 4 | 031114/1136 |
| 3/7/14 | 3/7/14 1055 | 3/7/14 1635 | A230307141055 | 231 | 357 | 030714/1749 | 60 | 63 | 030814/0456 | 29 | 5 | 031114/1137 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/7/14 | 3/7/14 1635 | 3/8/14 0029 | A230307141635 | 257 | 311 | 030814/0152 | 141 | 146 | 030814/0348 | 78 | 16 | 031114/0016 |
| 3/8/14 | 3/8/14 0029 | 3/8/14 0805 | A230308140029 | 207 | 289 | 030814/0955 | 88 | 106 | 030814/2140 | 39 | 13 | 031114/1138 |
| 3/8/14 | 3/8/14 0805 | 3/9/14 0020 | A230308140805 | 222 | 378 | 030914/0051 | 89 | 127 | 030914/1022 | 23 | <MDA | 031214/0003 |
| 3/9/14 | 3/9/14 0020 | 3/9/14 0830 | A230309140020 | 173 | 300 | 030914/0951 | 102 | 174 | 030914/1254 | 12 | <MDA | 031214/0746 |
| 3/9/14 | 3/9/14 0830 | 3/9/14 1615 | A230309140830 | 120 | 226 | 030914/1744 | 65 | 93 | 031014/0232 | 16 | <MDA | 031214/1549 |
| 3/9/14 | 3/9/14 1615 | 3/10/14 0010 | A230309141615 | 64 | 99 | 031014/0115 | 32 | 42 | 031014/1018 | 12 | <MDA | 031314/0000 |
| 3/10/14 | 3/10/14 0010 | 3/10/14 0835 | A230310140010 | 138 | 276 | 031014/0954 | 42 | 79 | 031014/1729 | 10 | <MDA | 031314/0750 |
| 3/10/14 | 3/10/14 0835 | 3/10/14 1620 | A230310140835 | 210 | 407 | 031014/1658 | 46 | 75 | 031114/1032 | 15 | <MDA | 031314/1531 |
| 3/10/14 | 3/10/14 1620 | 3/11/14 0030 | A230310141620 | 224 | 380 | 031114/0120 | 65 | 84 | 031114/0753 | 20 | <MDA | 031414/0030 |
| 3/11/14 | 3/11/14 0030 | 3/11/14 0815 | A230311140030 | 310 | 496 | 031114/0918 | 89 | 120 | 031114/1510 | 17 | 4.3 | 031414/1100 |
| 3/11/14 | 3/11/14 0815 | 3/11/14 1600 | A230311140815 | 304 | 558 | 031114/1640 | 64 | 93 | 031214/0003 | 13 | 7 | 031414/1542 |
| 3/11/14 | 3/11/14 1600 | 3/12/14 0010 | A230311141600 | 233 | 388 | 031214/0101 | 233 | 388 | 031214/0743 | 16 | <MDA | 031514/0743 |
| 3/12/14 | 3/11/14 0010 | 3/12/14 0820 | A230312140010 | 129 | 213 | 031214/0906 | 49 | 73 | 031214/1547 | 19 | <MDA | 031514/0745 |
| 3/12/14 | 3/12/14 0820 | 3/12/14 1610 | A230312140820 | 85 | 253 | 031214/1653 | 53 | 72 | 031314/0020 | 14 | <MDA | 031514/1623 |
| 3/12/14 | 3/12/14 1610 | 3/13/14 0020 | A230312141610 | 124 | 221 | 031314/0116 | 44 | 82 | 031314/0750 | 8 | <MDA | 031614/0025 |
| 3/13/14 | 3/13/14 0020 | 3/13/14 0830 | A230313140020 | 206 | 362 | 031314/0927 | 66 | 86 | 031314/1530 | 20 | 9 | 031614/0818 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/13/14 | 3/13/14 0830 | 3/13/14 1610 | A230313140830 | 570 | 436 | 031314/1655 | 369 | 127 | 031414/0120 | 368 | 57 | 031614/1728 |
| 3/13/14 | 3/13/14 1610 | 3/14/14 0018 | A230313141610 | 119 | 206 | 031414/0139 | 43 | 58 | 031414/1056 | 16 | <MDA | 031714/0018 |
| 3/14/14 | 3/14/14 0018 | 3/14/14 0900 | A230314140018 | 279 | 518 | 031414/0941 | 72 | 113 | 031414/1533 | 12 | <MDA | 031714/0804 |
| 3/14/14 | 3/14/14 0900 | 3/14/14 1610 | A230314140900 | 209 | 369 | 031414/1720 | 58 | 96 | 031514/0011 | 7 | 5 | 031714/1606 |
| 3/14/14 | 3/14/14 1610 | 3/15/14 0005 | A230314141610 | 208 | 353 | 031514/0100 | 47 | 68 | 031514/0747 | 8 | <MDA | 031814/0013 |
| 3/15/14 | 3/15/14 0005 | 3/1/14 0815 | A230315140005 | 172 | 290 | 031514/0953 | 70 | 104 | 031514/1624 | 12 | 8 | 031814/0803 |
| 3/15/14 | 3/15/14 0815 | 3/15/14 1610 | A230315140900 | 210 | 327 | 031514/1706 | 56 | 80 | 031614/0130 | 19 | <MDA | 031814/1548 |
| 3/15/14 | 3/15/14 1610 | 3/16/14 0001 | A230315141610 | 85 | 139 | 031614/0139 | 36 | 69 | 031614/0821 | 12 | <MDA | 031914/0000 |
| 3/16/14 | 3/16/14 0001 | 3/16/14 0812 | A230316140001 | 144 | 224 | 031614/0900 | 45 | 56 | 031614/1603 | 10 | <MDA | 031914/0810 |
| 3/16/14 | 3/16/14 0812 | 3/16/14 1607 | A230316140812 | 102 | 194 | 031614/1704 | 40 | 62 | 031714/0018 | 9 | <MDA | 031914/1600 |
| 3/16/14 | 3/16/14 1607 | 3/17/14 0002 | A230316141607 | 106 | 187 | 031714/0103 | 33 | 51 | 031714/0811 | 11 | <MDA | 032014/0003 |
| 3/17/14 | 3/17/14 0002 | 3/17/14 0835 | A230317140002 | 148 | 244 | 031714/0957 | 57 | 96 | 031714/1620 | 11 | 5 | 032014/0822 |
| 3/17/14 | 3/17/14 0835 | 3/17/14 1610 | 230317140835 | 127 | 204 | 031714/1741 | 48 | 78 | 031817/0011 | 10 | <MDA | 032014/1531 |
| 3/17/14 | 3/17/14 1610 | 3/18/14 0001 | A230317141610 | 206 | 346 | 031714/0040 | 39 | 57 | 031814/0802 | 10 | <MDA | 032114/0004 |
| 3/18/14 | 3/18/14 0001 | 3/18/14 0840 | A230318140001 | 176 | 227 | 031814/1014 | 117 | 104 | 031814/1550 | 49 | 12 | 032114/0759 |
| 3/18/14 | 3/18/14 0840 | 3/18/14 1604 | A230318140840 | 210 | 332 | 031814/1653 | 56 | 74 | 031914/0030 | 11 | <MDA | 032114/1607 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|----------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/18/14 | 3/18/14 1604 | 3/19/14 0015 | A230318141604 | 147 | 241 | 031914/0044 | 40 | 51 | 031914/0804 | 15 | <MDA | 032214/0843 |
| 3/19/14 | 3/19/14 0015 | 3/19/14 0840 | A2303191400015 | 83 | 121 | 031914/1016 | 52 | 62 | 031914/1600 | 20 | 5 | 032214/0810 |
| 3/19/14 | 3/19/14 0840 | 3/19/14 1628 | A230319140840 | 71 | 119 | 031914/1628 | 34 | 49 | 032014/0007 | 8 | <MDA | 032214/1708 |
| 3/19/14 | 3/19/14 1628 | 3/19/2014 0005 | A230319141628 | 187 | 325 | 032014/0042 | 38 | 68 | 032014/0822 | 9 | <MDA | 032314/2348 |
| 3/20/14 | 3/20/14 0005 | 3/20/14 0829 | A230320140005 | 92 | 170 | 032014/1103 | 55 | 104 | 032014/1532 | 9 | 4 | 032314/0800 |
| 3/20/14 | 3/20/14 0829 | 3/20/14 1615 | A230320140829 | 123 | 220 | 032014/1710 | 36 | 62 | 032114/0006 | 9 | <MDA | 032314/1600 |
| 3/20/14 | 3/20/14 1615 | 3/21/14 0005 | A230320141615 | 206 | 358 | 032114/0044 | 41 | 69 | 032114/0758 | 9 | <MDA | 032314/2344 |
| 3/21/14 | 3/21/14 0005 | 3/21/14 0800 | A230321140005 | 171 | 277 | 032114/0915 | 50 | 80 | 032114/1607 | 6 | 5 | 032414/0709 |
| 3/21/14 | 3/21/14 0800 | 3/21/14 1600 | A230321140800 | 423 | 779 | 032114/1600 | 78 | 151 | 032214/0010 | 6 | 9 | 032414/1559 |
| 3/21/14 | 3/21/14 1600 | 3/22/14 0010 | A230321141600 | 321 | 588 | 032214/0045 | 53 | 91 | 032214/0930 | 9 | 4.8 | 032414/2338 |
| 3/22/14 | 3/22/14 0010 | 3/22/14 0840 | A230322140010 | 200 | 355 | 032214/0942 | 72 | 114 | 032214/1606 | 11 | <MDA | 032514/0822 |
| 3/22/14 | 3/22/14 0840 | 3/22/2014 1620 | A230322140840 | 351 | 601 | 032214/1651 | 71 | 120 | 032214/2348 | 9 | 5 | 032514/1621 |
| 3/22/14 | 3/22/2014 1620 | 03/23/14 0015 | A230322141620 | 374 | 715 | 032314/0015 | 25 | 37 | 032414/0000 | 6 | 6 | 032614/0000 |
| 3/23/14 | 03/23/14 0015 | 03/23/14 0830 | A230323140015 | 403 | 632 | 032314/0830 | 120 | 157 | 032314/1600 | 37 | 11 | 032614/0815 |
| 3/23/14 | 3/23/14 0830 | 3/23/14 1629 | A230323140830 | 513 | 911 | 032314/1645 | 86 | 140 | 032414/1558 | 15 | 4.2 | 032614/1554 |
| 3/23/14 | 3/23/14 1629 | 3/24/14 0015 | A230323141629 | 380 | 668 | 032414/0119 | 53 | 84 | 032414/1319 | 7 | 4.2 | 032714/0000 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/24/14 | 3/24/14 0015 | 3/24/14 0850 | A230324140015 | 792 | 1357 | 032414/0900 | 116 | 154 | 032414/1555 | 25 | 7 | 032714/0810 |
| 3/24/14 | 3/24/14 0850 | 3/24/14 1625 | A230324140850 | 276 | 497 | 032414/1715 | 65 | 119 | 032414/2337 | 9 | 8 | 032714/1604 |
| 3/24/14 | 3/24/14 1625 | 3/25/14 0015 | A230324141625 | 373 | 666 | 032514/0033 | 67 | 83 | 032514/0819 | 23 | 5 | 032714/2345 |
| 3/25/14 | 3/25/14 0015 | 3/25/14 0806 | A230325140015 | 291 | 524 | 032514/0846 | 67 | 127 | 032514/1619 | 7 | <MDA | 032814/0742 |
| 3/25/14 | 3/25/14 0806 | 3/25/14 1630 | A230325140806 | 580 | 986 | 032514/1709 | 85 | 143 | 032614/0000 | 16 | <MDA | 032814/1531 |
| 3/25/14 | 3/25/14 1630 | 3/26/14 0025 | A230325141630 | 85 | 143 | 032614/0042 | 77 | 123 | 032614/0812 | 13 | <MDA | 032914/0043 |
| 3/26/14 | 3/26/14 0025 | 3/26/14 0835 | A230326140025 | 495 | 885 | 032614/0911 | 85 | 144 | 032614/1542 | 11 | 7 | 032914/0752 |
| 3/26/14 | 3/26/14 0835 | 3/26/14 1615 | A230326140835 | 644 | 1122 | 032614/1637 | 83 | 132 | 032714/0000 | 15 | <MDA | 032914/1534 |
| 3/26/14 | 3/26/14 1615 | 3/27/14 0001 | A230326141615 | 277 | 491 | 032714/0038 | 54 | 87 | 032714/0806 | 7 | <MDA | 033014/0004 |
| 3/27/14 | 3/27/14 0001 | 3/27/14 0800 | A230327140001 | 241 | 401 | 032714/0815 | 83 | 138 | 032814/1601 | 9 | <MDA | 033014/0747 |
| 3/27/14 | 3/27/14 0800 | 3/27/14 1600 | A230327140800 | 162 | 254 | 032714/1701 | 54 | 81 | 032814/0000 | 19 | 6 | 033014/1533 |
| 3/27/14 | 3/27/14 1600 | 3/28/14 0013 | A230327141600 | 172 | 282 | 032814/0046 | 40 | 61 | 032814/0800 | 10 | <MDA | 033014/2359 |
| 3/28/14 | 3/28/14 0013 | 3/28/14 0830 | A230328140013 | 299 | 499 | 032814/0900 | 100 | 69 | 032914/0752 | 21 | <MDA | 033114/0753 |
| 3/28/14 | 3/28/14 0830 | 3/28/14 1620 | A230328140830 | 213 | 375 | 032814/1646 | 49 | 95 | 032914/0002 | 6 | <MDA | 033114/1546 |
| 3/28/14 | 3/28/14 1620 | 3/29/14 0000 | A230328141620 | 161 | 168 | 032914/0118 | 100 | 69 | 032914/0752 | 79 | 14 | 033114/2351 |
| 3/29/14 | 3/29/14 0000 | 3/29/14 0855 | A230329140000 | 369 | 695 | 032914/0924 | 56 | 103 | 032914/1534 | 9 | <MDA | 040114/0921 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/29/14 | 3/29/14 0855 | 3/29/14 1615 | A230329140855 | 335 | 606 | 032914/1646 | 58 | 113 | 033014/0000 | 3.7 | <MDA | 040114/1800 |
| 3/29/14 | 3/29/14 1615 | 3/30/14 0015 | A230329141615 | 121 | 223 | 0323014/0102 | 38 | 59 | 033014/0800 | 4 | <MDA | 040114/2331 |
| 3/30/14 | 3/30/14 0015 | 3/30/14 0840 | A230330140015 | 151 | 285 | 033014/1012 | 64 | 129 | 033014/1533 | 5 | <MDA | 040214/0904 |
| 3/30/14 | 3/30/14 0840 | 3/30/14 1615 | A230330140840 | 365 | 654 | 033014/1652 | 68 | 110 | 033114/0000 | 9 | <MDA | 040214/1546 |
| 3/30/14 | 3/30/14 1615 | 3/31/14 0035 | A230330141615 | 237 | 398 | 033114/0140 | 61 | 110 | 033114/0753 | 11 | 4.8 | 040314/0000 |
| 3/31/14 | 3/31/14 0035 | 3/31/14 0820 | A230331140035 | 252 | 492 | 033114/0859 | 56 | 106 | 033114/1543 | 11 | <MDA | 040314/0801 |
| 3/31/14 | 3/31/14 0820 | 3/31/14 1620 | A230331140820 | 320 | 593 | 033114/1639 | 50 | 108 | 033114/2349 | 5 | <MDA | 040314/1634 |
| 3/31/14 | 3/31/14 1620 | 4/1/14 0000 | A230331141620 | 75 | 129 | 040114/0146 | 24 | 30 | 040114/0922 | 7 | <MDA | 040314/2343 |
| 4/1/14 | 4/1/14 0000 | 4/1/14 0800 | A230401140000 | 81 | 144 | 040114/1024 | 42 | 70 | 040114/1612 | 6 | 4.8 | 040414/0821 |
| 4/1/14 | 4/1/14 0800 | 4/1/14 1600 | A230401140800 | 256 | 416 | 040114/1646 | 51 | 90 | 040114/2351 | 10 | 5 | 040414/1614 |
| 4/1/14 | 4/1/14 1600 | 4/2/14 0020 | A230401141600 | 303 | 493 | 040214/0042 | 53 | 64 | 040214/0800 | 14 | 5 | 040514/0000 |
| 4/2/14 | 4/2/14 0020 | 4/2/14 0840 | A230402140020 | 356 | 602 | 040214/0927 | 59 | 100 | 040214/1546 | 9 | <MDA | 040514/0814 |
| 4/2/14 | 4/2/14 0840 | 4/2/14 1625 | A230402140840 | 167 | 283 | 040314/1737 | 60 | 76 | 040314/1200 | 15 | <MDA | 040514/1620 |
| 4/2/14 | 4/2/14 1625 | 4/3/14 0030 | A230402141625 | 289 | 512 | 040314/0058 | 38 | 65 | 040414/0748 | <MDA | <MDA | 040614/0009 |
| 4/3/14 | 4/3/14 0030 | 4/3/14 0840 | A230403140030 | 320 | 571 | 040314/0912 | 32 | 57 | 040314/1609 | <MDA | <MDA | 040614/0749 |
| 4/3/14 | 4/3/14 0840 | 4/3/14 1630 | A230403140840 | 204 | 369 | 040314/1650 | 39 | 57 | 040414/0124 | 9 | 6 | 040614/1553 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/3/14 | 4/3/14 1630 | 4/4/14 0020 | A230403141630 | 163 | 262 | 040414/0038 | 33 | 53 | 040414/0753 | 9 | 7 | 040714/0011 |
| 4/4/14 | 4/4/14 0020 | 4/4/14 0800 | A230404140020 | 159 | 261 | 040414/0912 | 48 | 87 | 040414/1549 | 4.3 | <MDA | 040714/0736 |
| 4/4/14 | 4/4/14 0800 | 4/4/14 1600 | A230404140800 | 208 | 329 | 040414/2354 | 67 | 95 | 040414/2354 | 23 | 8 | 040714/1544 |
| 4/4/14 | 4/4/14 1600 | 4/5/14 0010 | A230405141600 | 208 | 350 | 040514/0059 | 54 | 69 | 040514/0814 | 13 | 4.4 | 040814/0020 |
| 4/5/14 | 4/5/14 0010 | 4/5/14 0815 | A230405140010 | 144 | 246 | 040514/0954 | 64 | 111 | 040514/1619 | 14 | <MDA | 040814/0819 |
| 4/5/14 | 4/5/14 0815 | 4/5/14 1615 | A230405140815 | 163 | 291 | 040514/1742 | 53 | 97 | 040614/0006 | 7 | 5 | 040814/1554 |
| 4/5/14/ | 4/5/14 1615 | 4/6/14 0002 | A230405141615 | 359 | 645 | 040614/0028 | 44 | 101 | 040614/0747 | 9 | 6 | 040914/0006 |
| 4/6/14 | 4/6/14 0002 | 4/6/14 0813 | A230406140002 | 342 | 595 | 040614/0932 | 73 | 147 | 040614/1600 | 6 | <MDA | 040914/0742 |
| 4/6/14 | 4/6/14 0813 | 4/6/14 1615 | A230406140813 | 456 | 798 | 040614/1643 | 91 | 150 | 040714/0003 | 6.1 | 8.6 | 040914/1550 |
| 4/6/14 | 4/6/14 1615 | 4/7/14 0005 | A230406141615 | 271 | 488 | 040714/0023 | 39 | 76 | 040714/0736 | 6.1 | 14 | 041014 0007 |
| 4/7/14 | 4/7/14 0005 | 4/7/14 0815 | A230407140005 | 445 | 842 | 040714/0848 | 80 | 152 | 040714/1544 | 4.8 | 4.4 | 041014/0812 |
| 4/7/14 | 4/7/14 0815 | 4/7/14 1620 | A230407140815 | 234 | 400 | 040714/1647 | 53 | 99 | 040814/0016 | 8 | 6.6 | 041014/1627 |
| 4/7/14 | 4/7/14 1620 | 4/8/14 0001 | A230407141620 | 148 | 273 | 040814/0034 | 34 | 57 | 040814/0817 | 2.4 | 1.2 | 041114/0004 |
| 4/8/14 | 4/8/14 0001 | 4/8/14 0810 | A230408140001 | 236 | 440 | 040814/0912 | 62 | 116 | 040814/1553 | 7.5 | 9.6 | 041114/0802 |
| 4/8/14 | 4/8/14 0810 | 4/9/14 1615 | A230408140810 | 259 | 474 | 040814/1649 | 53 | 100 | 040914/0006 | 2.9 | 3.2 | 041114/1559 |
| 4/8/14 | 4/8/14 1615 | 4/9/14 0000 | A230408141615 | 146 | 267 | 040914/0108 | 51 | 71 | 040914/0742 | 4.3 | 2.2 | 041114/2355 |

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Station A, Before the Filtration System

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/9/14 | 4/9/14 0000 | 4/9/14 0825 | A230409140000 | 292 | 513 | 040914/0901 | 58 | 113 | 040914/1549 | 2.4 | 2.8 | 041214/0746 |
| 4/9/14 | 4/9/14 0825 | 4/9/14 1605 | A230409140825 | 252 | 467 | 040914/1641 | 50 | 93 | 041014/0002 | 11.8 | 4.6 | 041214/1551 |
| 4/9/14 | 4/9/14 1605 | 4/10/14 0005 | A230409141605 | 201 | 333 | 041014/0058 | 32 | 57 | 041014/0811 | 5.1 | 1.6 | 041214/2343 |
| 4/10/14 | 4/10/14 0005 | 4/10/14 0825 | A230410140005 | 394 | 690 | 041014/0900 | 64 | 107 | 041014/1625 | 7.7 | 4 | 041314/0740 |
| 4/10/14 | 4/10/14 0825 | 4/10/14 1600 | A230410140825 | 206 | 329 | 041014/1647 | 45 | 74 | 041114/0001 | 4.8 | <MDA | 041314/1551 |
| 4/10/14 | 4/10/14 1600 | 4/11/14 0001 | A130410141600 | 230 | 406 | 041114/0049 | 52 | 80 | 041114/0757 | 10.2 | 4 | 041314/2338 |
| 4/11/14 | 4/11/14 0001 | 4/11/2014 0805 | A130411140001 | 176 | 266 | 041114/1009 | 86 | 122 | 041114/1603 | 24.3 | 8.2 | 041414/0825 |
| 4/11/14 | 4/11/14 0805 | 4/11/14 1600 | A130411140805 | 241 | 385 | 041114/1732 | 60 | 91 | 041214/0550 | 11.5 | 3.2 | 041414/1618 |
| 4/11/14 | 4/11/14 1600 | 4/12/14 0020 | A330411141600 | 314 | 597 | 041214/0050 | 40 | 79 | 041214/0746 | 2.4 | 2.2 | 041414/2344 |
| 4/12/14 | 4/12/14 0020 | 4/12/14 0755 | A330412140020 | 290 | 496 | 041214/0900 | 67 | 120 | 041214/1553 | 3.7 | 3.2 | 041514/0800 |
| 4/12/14 | 4/12/14 0755 | 4/12/14 1545 | A330412140755 | 302 | 523 | 041214/1630 | 65 | 91 | 041214/2343 | 11 | 5.2 | 041514/1552 |
| 4/12/14 | 4/12/14 1545 | 4/13/2014 0023 | A330412141545 | 213 | 355 | 041314/0045 | 43 | 63 | 041314/0739 | <MDA | <MDA | 041514/2358 |
| 4/13/14 | 4/13/2014 0023 | 4/13/2014 0802 | A330413140023 | 177 | 309 | 041314/0839 | 43 | 79 | 041314/1553 | 3.8 | 1.6 | 041514/0753 |
| 4/13/14 | 4/13/14 0802 | 04/13/14 1600 | A330413140802 | 243 | 435 | 041314/1634 | 66 | 84 | 041314/2338 | 15 | 4.8 | 041614/1557 |
| 4/13/14 | 04/13/14 1600 | 4/14/14 0003 | A330413141600 | 291 | 484 | 041414/0032 | 38 | 64 | 041414/0818 | 3.2 | <MDA | 041614/2355 |
| 4/14/14 | 4/14/14 0003 | 4/14/14 0810 | A330414140003 | 91 | 163 | 041414/0934 | 48 | 90 | 041414/1613 | 4.8 | <MDA | 041614/0821 |

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Station A, Before the Filtration System

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|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/14/14 | 4/14/14 0810 | 4/14/14 1615 | A330414140810 | 88 | 168 | 041414/1730 | 39 | 68 | 041414/2344 | <MDA | <MDA | 041714/1621 |
| 4/14/14 | 4/14/14 1615 | 4/15/14 0000 | A330414141615 | 136 | 232 | 041514/0050 | 41 | 70 | 041514/0800 | <MDA | <MDA | 041714/2345 |
| 4/15/14 | 4/15/14 0000 | 4/15/14 0810 | A330414142355 | 198 | 333 | 041514/0916 | 68 | 106 | 041514/1600 | 5.6 | <MDA | 041814/0855 |
| 4/15/14 | 4/15/14 0810 | 4/15/14 1600 | A330415140810 | 209 | 349 | 041514/1647 | 41 | 78 | 041514/2357 | 8 | <MDA | 041814/1552 |
| 4/15/14 | 4/15/14 1600 | 4/16/14 0001 | A330415141600 | 217 | 360 | 041614/0020 | 36 | 68 | 041614/0753 | <MDA | <MDA | 41814/2354 |
| 4/16/14 | 4/16/14 0001 | 4/16/14 0820 | A330416140001 | 167 | 309 | 041614/0944 | 47 | 97 | 041614/1559 | 7 | <MDA | 041914/0750 |
| 4/16/14 | 4/16/14 0820 | 4/16/14 1554 | A330416140820 | 214 | 360 | 041614/1704 | 54 | 98 | 041614/2358 | 3.2 | <MDA | 041914/1558 |
| 4/16/14 | 4/16/14 1554 | 4/17/14 0000 | A330416141554 | 372 | 678 | 041714/0029 | 47 | 77 | 041714/0816 | 5.1 | <MDA | 041914/2352 |
| 4/17/14 | 4/17/14 0000 | 4/17/14 0800 | A330416140000 | 228 | 428 | 041714/0922 | 52 | 84 | 041714/1615 | 4.5 | 9.6 | 042014/0802 |
| 4/17/14 | 4/17/14 0800 | 4/17/14 1605 | A330417140800 | 332 | 561 | 041714/1700 | 93 | 177 | 041714/2344 | 4 | 5.8 | 042014/1547 |
| 4/17/14 | 4/17/14 1605 | 4/18/14 0005 | A330417141605 | 518 | 889 | 041814/0028 | 69 | 135 | 041814/0845 | 4.5 | 6.6 | 042014/2337 |
| 4/18/14 | 4/18/14 0005 | 4/18/14 0910 | A330418140005 | 553 | 1010 | 041814/0941 | 107 | 213 | 041814/1600 | 5.9 | 6.8 | 042114/0802 |
| 4/18/14 | 4/18/14 0910 | 4/18/14 1610 | A330418140910 | 647 | 1179 | 041814/1634 | 91 | 169 | 041814/2354 | 13.1 | <MDA | 042114/1556 |
| 4/18/14 | 4/18/14 1610 | 4/18/14 2345 | A330418141610 | 268 | 468 | 041914/0040 | 71 | 128 | 041914/0749 | 15.2 | 1 | 042114/2349 |
| 4/19/14 | 4/18/14 2345 | 4/19/14 0820 | A330418142345 | 503 | 831 | 418142345 | 93 | 148 | 041914/1559 | 13.4 | 4.6 | 042214/0811 |
| 4/19/14 | 4/19/14 0820 | 4/19/14 1620 | A330419140820 | 754 | 1330 | 041914/1634 | 101 | 161 | 041914/2353 | 23 | 13.2 | 042214/1549 |

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|---------|-----------------------|---------------------|----------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/19/14 | 4/19/14 1620 | 4/20/14 0010 | A330419141620 | 456 | 759 | 042014/0036 | 92 | 126 | 042014/0753 | 38 | 7.2 | 042314/0010 |
| 4/20/14 | 4/20/14 0010 | 4/20/14 0820 | A330420140010 | 272 | 1114 | 042014/0844 | 40 | 159 | 042014/1547 | <MDA | <MDA | 042314/0754 |
| 4/20/14 | 4/20/14 0820 | 4/20/14 1610 | A330420140820 | 509 | 908 | 042014/1628 | 76 | 124 | 042014/2337 | 17 | 5.4 | 042314/1559 |
| 4/20/14 | 4/20/14 1610 | 4/21/14 0000 | A330420141610 | 233 | 447 | 042114/0807 | 54 | 104 | 042114/0807 | 5.1 | <MDA | 042314/2351 |
| 4/21/14 | 4/21/14 0000 | 4/21/14 0830 | A330421140000 | 581 | 1154 | 042114/0857 | 107 | 200 | 042114/1559 | 9.6 | <MDA | 042414/0814 |
| 4/21/14 | 4/21/14 0830 | 4/21/14 1600 | A330421140830 | 326 | 582 | 042114/1649 | 92 | 171 | 042114/2349 | <MDA | <MDA | 042414/1635 |
| 4/21/14 | 4/21/14 1600 | 4/22/14 0010 | A330421141600 | 316 | 588 | 042114/0035 | 51 | 101 | 042214/0811 | 3.7 | 3.8 | 042414/2351 |
| 4/22/14 | 4/22/14 0010 | 4/22/14 0840 | A33042214/1025 | 205 | 387 | 042214/1025 | 97 | 195 | 042214/1552 | 2.4 | 3 | 042514/0754 |
| 4/22/14 | 4/22/14 0840 | 4/22/14 1605 | A330422140840 | 631 | 1121 | 042214/1623 | 1.3 | 1.6 | 042314/0000 | 4.3 | <MDA | 042514/1557 |
| 4/22/14 | 4/22/14 1605 | 4/23/14 0000 | A330422141605 | 349 | 629 | 042314/0046 | 64 | 125 | 042314/0754 | 3.7 | 5.2 | 042614/0005 |
| 4/23/14 | 4/23/14 0000 | 4/23/14 0835 | A330423140000 | 392 | 673 | 042314/0927 | 101 | 197 | 042314/1559 | 7.7 | 10.2 | 042614/0803 |
| 4/23/14 | 4/23/14 0835 | 4/23/14 1605 | A330423140835 | 361 | 653 | 042314/1554 | 77 | 142 | 042314/2352 | 4 | 6.6 | 042614/1605 |
| 4/23/14 | 4/23/14 1605 | 4/24/14 0010 | A330423141605 | 408 | 752 | 042414/0026 | 50 | 108 | 042414/0807 | 4.8 | <MDA | 042714/0007 |
| 4/24/14 | 4/24/14 0010 | 4/24/14 0825 | A330424140010 | 148 | 234 | 042414/1025 | 75 | 137 | 042414/1629 | 4.3 | <MDA | 042714/0738 |
| 4/24/14 | 4/24/14 0825 | 4/24/14 1650 | A330424140825 | 62 | 207 | 042514/1715 | 30 | 83 | 042414/2345 | <MDA | <MDA | 042714/1553 |
| 4/24/14 | 4/24/14 1650 | 4/25/14 0000 | A330424141650 | 305 | 537 | 042514/0027 | 45 | 76 | 042514/0753 | <MDA | <MDA | 042814/0018 |

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| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|----------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/25/14 | 4/25/14 0000 | 4/25/14 0910 | A330425140000 | 415 | 745 | 042514/0941 | 86 | 149 | 042514/1557 | <MDA | <MDA | 042814/0812 |
| 4/25/14 | 4/25/14 0910 | 4/25/14 1700 | A330425140910 | 456 | 856 | 042514/1711 | 64 | 124 | 042614/0005 | <MDA | <MDA | 042814/1623 |
| 4/25/14 | 4/25/14 1700 | 4/26/14 0010 | A3304225141700 | 245 | 407 | 042614/0111 | 46 | 85 | 042614/0803 | <MDA | <MDA | 042914/0011 |
| 4/26/14 | 4/26/14 0010 | 4/26/14 0840 | A330426140010 | 731 | 1247 | 042614/0908 | 87 | 157 | 042614/1605 | 4 | <MDA | 042914/0817 |
| 4/26/14 | 4/26/14 0840 | 4/26/14 1625 | A330426140840 | 400 | 696 | 042614/1652 | 72 | 131 | 4/27/14 0001 | 3.5 | 4.8 | 042914/1621 |
| 4/26/14 | 4/26/14 1625 | 4/27/14 0000 | A330426141625 | 114 | 185 | 042714/0107 | 29 | 53 | 042714/0800 | 2.4 | <MDA | 042914/2356 |
| 4/27/14 | 4/27/14 0000 | 4/27/14 0820 | A330427140000 | 209 | 340 | 042714/0800 | 42 | 89 | 042714/1553 | 1.6 | <MDA | 043014/0818 |
| 4/27/14 | 4/27/14 0820 | 4/27/14 1620 | A330427140800 | 214 | 347 | 042714/1651 | 30 | 51 | 042714/0017 | 2.4 | <MDA | 043014/1544 |
| 4/27/14 | 4/27/14 1620 | 4/28/14 0001 | A330427141620 | 140 | 222 | 042814/0111 | 33 | 62 | 042814/0744 | 4 | <MDA | 043014/2350 |
| 4/28/14 | 4/28/14 0001 | 4/28/14 0855 | A330428140001 | 468 | 897 | 042814/0929 | 85 | 148 | 042814/0804 | 1.1 | <MDA | 050114/0750 |
| 4/28/14 | 4/28/14 0855 | 4/28/14 1640 | A330428140855 | 326 | 604 | 042814/1700 | 56 | 100 | 042914/0005 | <MDA | <MDA | 050114/1553 |
| 4/28/14 | 4/28/14 1640 | 4/29/14 0000 | A330428141640 | 135 | 246 | 042914/0117 | 43 | 75 | 042914/0750 | <MDA | <MDA | 050214/0008 |
| 4/29/14 | 4/29/14 0000 | 4/29/14 0855 | A330429140000 | 277 | 538 | 042914/0913 | 53 | 99 | 042914/1554 | 2.4 | <MDA | 050214/0811 |
| 4/29/14 | 4/29/14 0855 | 4/29/14 1620 | A330429140855 | 212 | 420 | 042914/1648 | 41 | 73 | 042914/2355 | <MDA | <MDA | 050214/1613 |
| 4/29/14 | 4/29/14 1620 | 4/30/14 0000 | A330429141620 | 161 | 314 | 043014/0042 | 27 | 69 | 043014/0755 | 2.4 | 4.6 | 050314/0023 |
| 4/30/14 | 4/30/14 0000 | 4/30/14 0820 | A330430140000 | 238 | 446 | 043014/0846 | 58 | 86 | 043014/1538 | 2.9 | 3.4 | 050314/0811 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/30/14 | 4/30/14 0820 | 4/30/14 1605 | A330430140820 | 215 | 429 | 043014/1634 | 29 | 59 | 043014/2349 | 2.4 | <MDA | 050314/1610 |
| 4/30/14 | 4/30/14 1605 | 5/1/14 0020 | A330430141605 | 215 | 444 | 050114/0048 | 42 | 76 | 050114/0750 | 6.1 | <MDA | 050414/0045 |
| 5/1/14 | 5/1/14 0020 | 5/1/14 0840 | A330501140020 | 183 | 343 | 050114/0957 | 64 | 114 | 050114/1552 | 2.7 | <MDA | 050414/0818 |
| 5/1/14 | 5/1/14 0840 | 5/1/14 1625 | A330501140840 | 276 | 511 | 050114/1659 | 48 | 89 | 050214/0008 | <MDA | <MDA | 050414/1608 |
| 5/1/14 | 5/1/14 1625 | 5/2/14 0040 | A330501141625 | 295 | 589 | 050214/0059 | 48 | 76 | 050214/0810 | 2.9 | <MDA | 050414/2352 |
| 5/2/14 | 5/2/14 0040 | 5/2/14 0830 | A330502140040 | 216 | 405 | 050214/0950 | 58 | 109 | 050214/1612 | 5.9 | <MDA | 050514/0728 |
| 5/2/14 | 5/2/14 0830 | 5/2/14 1603 | A330502140830 | 196 | 347 | 050214/1712 | 56 | 106 | 050314/0024 | 5.1 | <MDA | 050514/1548 |
| 5/2/14 | 5/2/14 1603 | 5/3/14 0035 | A330502141603 | 146 | 273 | 050314/0149 | 41 | 79 | 050314/0807 | 6.1 | 1.2 | 050614/0000 |
| 5/3/14 | 5/3/14 0035 | 5/3/14 0805 | A330503140035 | 204 | 370 | 050314/0937 | 53 | 99 | 050314/1607 | 2.7 | 2 | 050614/0754 |
| 5/3/14 | 5/3/16 0805 | 5/3/14 1600 | A330503140035 | 151 | 294 | 050314/1702 | 38 | 81 | 050414/0045 | 3.2 | <MDA | 050614/1600 |
| 5/3/14 | 5/3/14 1600 | 5/4/14 0000 | A330503141600 | 106 | 174 | 050414/0123 | 33 | 55 | 050414/0818 | 3.2 | <MDA | 050714/0002 |
| 5/4/14 | 5/4/14 0000 | 5/4/14 0800 | A330504140000 | 195 | 334 | 050414/0929 | 63 | 111 | 050414/1608 | 2.9 | <MDA | 050714/0914 |
| 5/4/14 | 5/4/14 0800 | 5/4/14 1600 | A330504140800 | 255 | 451 | 050414/1651 | 51 | 113 | 050414/2345 | 2.7 | <MDA | 050701/1558 |
| 5/4/14 | 5/4/14 1600 | 5/5/14 0025 | A330504141600 | 208 | 368 | 050514/0121 | 44 | 83 | 050514/0738 | 2.9 | <MDA | 050814/0013 |
| 5/5/14 | 5/5/14 0025 | 5/5/14 0810 | A330505140025 | 275 | 494 | 050514/0923 | 71 | 127 | 050514/1548 | 8.28 | 8 | 050814/0807 |
| 5/5/14 | 5/5/14 0810 | 5/5/14 1615 | A330505140810 | 394 | 685 | 050514/1653 | 68 | 122 | 050614/0006 | 3.5 | <MDA | 050814/1614 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/5/14 | 5/5/14 1615 | 5/6/14 0020 | A330505141615 | 331 | 592 | 050614/0050 | 49 | 92 | 50614/0754 | 2.1 | <MDA | 050914/0005 |
| 5/6/14 | 5/6/14 0020 | 5/6/14 0805 | A330506140020 | 318 | 573 | 506140903 | 65 | 123 | 050614/1600 | 3.7 | 4.6 | 050914/0805 |
| 5/6/14 | 5/6/14 0805 | 5/6/14 1615 | A330506140805 | 406 | 721 | 050614/1650 | 58 | 101 | 050714/0014 | 1.3 | 3.2 | 050914/1545 |
| 5/6/14 | 5/6/14 1615 | 5/7/14 0015 | A330506141615 | 200 | 345 | 050714/0101 | 34 | 67 | 050714/0914 | 2.6 | 2.9 | 050914/2339 |
| 5/7/14 | 5/7/14 0015 | 5/7/14 0820 | A330507140015 | 228 | 414 | 050714/0914 | 45 | 106 | 050814/1558 | 2.4 | 3.2 | 051014/0822 |
| 5/7/14 | 5/7/14 0820 | 5/7/14 1610 | A330507140820 | 371 | 712 | 050714/1633 | 42 | 88 | 050814/0013 | 5.3 | 12 | 051014/1622 |
| 5/7/14 | 5/7/14 1610 | 5/7/14 0000 | A330507141610 | 158 | 275 | 050814/1304 | 40 | 76 | 050814/0807 | 6.4 | 3.6 | 051014/2338 |
| 5/8/14 | 5/8/14 0000 | 5/8/14 0900 | A330508140000 | 346 | 558 | 050814/0943 | 66 | 123 | 050814/1607 | 1.9 | 3.2 | 051114/0839 |
| 5/8/14 | 5/8/14 0900 | 5/8/14 1613 | A330508140900 | 208 | 382 | 050814/1652 | 36 | 65 | 050914/0002 | 1.3 | 2 | 051114/1552 |
| 5/8/14 | 5/8/14 1613 | 5/9/14 0008 | A330508141613 | 152 | 273 | 050914/0104 | 38 | 65 | 050914/0810 | 4 | 9 | 051114/1147 |
| 5/9/14 | 5/9/14 0008 | 5/9/14 0810 | A330509140008 | 184 | 298 | 050914/0940 | 69 | 118 | 050914/1545 | 1.9 | 3.4 | 051214/0804 |
| 5/9/14 | 5/9/14 0810 | 5/9/14 1600 | A330509140810 | 289 | 524 | 050914/1637 | 62 | 108 | 050914/2321 | 3.2 | <MDA | 051214/1702 |
| 5/9/14 | 5/9/14 1600 | 5/10/14 0000 | A330509141600 | 276 | 523 | 051014/0037 | 38 | 63 | 051014/0824 | 1.6 | <MDA | 051214/2341 |
| 5/10/14 | 5/10/14 0006 | 5/10/14 0840 | A130510140006 | 611 | 1072 | 051014/0904 | 64 | 111 | 051014/1622 | 1.9 | <MDA | 051314/0813 |
| 5/10/14 | 5/10/14 0840 | 05/10/14 1605 | A330510140840 | 252 | 480 | 051014/1659 | 50 | 97 | 051014/2350 | 2.9 | <MDA | 051314/1600 |
| 5/10/14 | 05/10/14 1605 | 5/11/14 0030 | A330510141605 | 490 | 778 | 051114/0053 | 53 | 79 | 051114/0840 | 6.9 | 5.8 | 051314/2355 |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/11/14 | 5/11/14 0030 | 5/11/14 0802 | A330511140030 | 434 | 728 | 051114/0903 | 72 | 127 | 051114/1552 | 4.8 | 6 | 051414/0754 |
| 5/11/14 | 5/11/14 0802 | 05/11/14 1615 | A330511140802 | 347 | 615 | 051114/1647 | 65 | 125 | 051114/1141 | 2.1 | <MDA | 051414/1553 |
| 5/11/14 | 5/11/14 1615 | 5/12/14 0025 | A330511141615 | 246 | 410 | 5/12/14/0103 | 49 | 83 | 051114/0804 | <MDA | <MDA | 051414/2350 |
| 5/12/14 | 5/12/14 0025 | 5/12/14 0800 | A330512140025 | 163 | 264 | 051214/0910 | 42 | 78 | 051214/1701 | <MDA | <MDA | 051514/0800 |
| 5/12/14 | 5/12/14 0800 | 5/12/14 1600 | A330512140800 | 162 | 324 | 051214/2341 | 38 | 72 | 051214/2341 | <MDA | <MDA | 051514/1620 |
| 5/12/14 | 5/12/14 1600 | 5/12/14 0000 | A330512141600 | 314 | 576 | 051314/0023 | 42 | 77 | 051314/0813 | 4 | 3 | 051614/0007 |
| 5/13/14 | 5/13/14 0000 | 5/13/14 0822 | A330513140000 | 170 | 292 | 051314/0918 | 64 | 97 | 051314/1600 | 2.7 | 3.6 | 051614/0805 |
| 5/13/14 | 5/13/14 0822 | 5/13/14 1600 | A330513140822 | 176 | 337 | 051314/1643 | 43 | 88 | 051314/2357 | 2.4 | <MDA | 051614/1600 |
| 5/13/14 | 5/13/14 1600 | 5/14/14 0015 | A330513141600 | 226 | 399 | 051414/0042 | 45 | 88 | 051414/0754 | 6.7 | 7 | 051714/0000 |
| 5/14/14 | 5/14/14 0015 | 5/14/14 0805 | A330514140015 | 345 | 627 | 051414/0846 | 82 | 153 | 051414/1553 | 14.2 | 6.4 | 051714/0804 |
| 5/14/14 | 5/14/14 0805 | 5/14/14 1600 | A330514140805 | 318 | 556 | 051414/1642 | 80 | 132 | 051514/2350 | | | |
| 5/14/14 | 5/14/14 1600 | 5/15/14 0012 | A330514141600 | 225 | 360 | 051514/0114 | 51 | 84 | 051514/0800 | | | |
| 5/15/14 | 5/15/14 0012 | 5/15/14 0835 | A330515140012 | 520 | 1008 | 051514/0853 | 49 | 111 | 051514/1617 | | | |
| 5/15/14 | 5/15/14 0835 | 5/15/14 1615 | A330515140835 | 339 | 567 | 051514/1652 | 43 | 86 | 051614/0008 | | | |
| 5/15/14 | 5/15/14 1615 | 5/16/14 0005 | A330515141615 | 183 | 300 | 051614/0107 | 49 | 69 | 051614/0751 | | | |
| 5/16/14 | 5/16/14 0005 | 5/16/14 0810 | A330516140005 | 269 | 435 | 051614/0929 | 76 | 122 | 051614/1546 | | | |

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Station A, Before the Filtration System

Caution: Results may require interpretation due to varying counting times and methods of analysis

| Date | Date & Time Installed | Date & Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | Initial Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------------|---------------------|---------------|-------------|------------|---------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/16/14 | 5/16/14 0810 | 5/16/14 1605 | A330516140810 | 263 | 455 | 051614/1703 | 56 | 104 | 051714/0000 | | | |
| 5/16/14 | 5/16/14 1605 | 5/17/14 0000 | A330516141605 | 283 | 513 | 051714/0040 | 37 | 77 | 051714/0749 | | | |
| 5/17/14 | 5/17/14 0000 | 5/17/14 0820 | A330517140000 | 471 | 841 | 051714/0852 | | | | | | |

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 N/A = Not Analyzed N/P = Not Performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|------------------------------|------------|----------------------|---|------------|-------------------------|
| 2/14/14 | 2/14/14 0754 | 2/15/14 0835 | B130214140754 | 28.2K | 5877 | 021514/0850 | Not Performed (Lab Analysis) | | | 57K | <MDA | N/P |
| 2/15/14 | 2/15/14 0835 | 2/15/14 1445 | B130215140835 | 36.2K | 7340 | 021514/1134 | Not Performed (Lab Analysis) | | | Filter sent to SRS for Non-Rad Analysis | | |
| 2/15/14 | 2/15/14 1445 | 2/15/14 2305 | B130215141445 | 671 | 142 | 021714/1056 | Not Performed (Lab Analysis) | | | 875* | N/A | N/P |
| 2/15/14 | 2/15/14 2305 | 2/16/14 0904 | B130215142305 | 300 | 152 | 021614/0932 | 253.0 | 63 | 021614/1127 | 258* | N/A | N/P |
| 2/16/14 | 2/16/14 0904 | 2/16/14 1705 | B130216140904 | 144 | 67 | 021614/1755 | 111.0 | 22 | 021714/1201 | 128* | N/A | N/P |
| 2/16/14 | 2/16/14 1705 | 2/17/14 0030 | B130216141705 | 72 | 54 | 021714/0046 | 62.0 | 18 | 021714/1203 | 53* | N/A | N/P |
| 2/17/14 | 2/17/14 0030 | 2/17/14 0805 | B130217140030 | 43 | 26 | 021714/0930 | 30.0 | 23 | 021714/0955 | 31* | N/A | N/P |
| 2/17/14 | 2/17/14 0805 | 2/17/14 1600 | B130217140805 | 78 | 35 | 021714/1650 | 58.0 | 20 | 021714/1958 | 52* | N/A | N/P |
| 2/17/14 | 2/17/14 1600 | 2/18/14 0030 | B130217141600 | 65 | 55 | 021814/0051 | 45.0 | 18 | 021814/0423 | 706* | N/A | N/P |
| 2/18/14 | 2/18/14 0030 | 2/18/14 0901 | B130218140030 | 42 | 61 | 021814/0928 | 23.0 | 12 | 021814/1202 | 27* | N/A | N/P |
| 2/18/14 | 2/18/14 0901 | 2/18/14 1655 | B130218140901 | 41 | 29 | 021814/1754 | 28.0 | 7 | 021914/0315 | 34* | N/A | N/P |
| 2/18/14 | 2/18/14 1655 | 2/19/14 0105 | B130218141655 | 42 | 36 | 021914/0144 | 20.0 | 7 | 021914/0547 | 19* | N/A | N/P |
| 2/19/14 | 2/19/14 0105 | 2/19/14 0900 | B130219140105 | 33 | 44 | 021914/0952 | 20.0 | 15 | 021914/1222 | 11 | <MDA | 030614/1730 |
| 2/19/14 | 2/19/14 0900 | 2/19/14 1627 | B130219140900 | 36 | 34 | 021914/1708 | 25.0 | 10 | 021914/2036 | 23 | <MDA | 030614/1730 |

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Station B, After the Filtration System

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| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 2/19/14 | 2/19/14 1627 | 2/20/14 0035 | B130219141627 | 45 | 46 | 022014/0107 | 25.0 | 9 | 022014/0359 | 17 | <MDA | 030614/1730 |
| 2/20/14 | 2/20/14 0035 | 2/20/14 0852 | B130220140035 | 52 | 21 | 022014/1035 | 38.0 | 14 | 022014/1226 | 42 | 8 | 030614/1730 |
| 2/20/14 | 2/20/14 0852 | 2/20/14 1654 | B130220140852 | 98 | 22 | 022014/1838 | 101.0 | 23 | 022014/2211 | 95 | 17 | 030614/1730 |
| 2/20/14 | 2/20/14 1654 | 2/21/14 0038 | B130220141654 | 40 | 19 | 022114/0204 | 33.0 | 11 | 022114/0521 | 34 | 9 | 030614/1730 |
| 2/21/14 | 2/21/14 0038 | 2/21/14 0820 | B130221140038 | 30 | 6 | 022114/1027 | 27.0 | 12 | 022114/1532 | 25 | 5 | 030614/1757 |
| 2/21/14 | 2/21/14 0820 | 2/21/14 1600 | B130221140820 | 37 | 15 | 022114/1654 | 41.0 | 12 | 022114/2028 | 33 | 5 | 030614/1730 |
| 2/21/14 | 2/21/14 1600 | 2/22/14 0019 | B130221141600 | 50 | 28 | 022214/0125 | 42.0 | 14 | 022214/0358 | 37 | 12 | 030614/1730 |
| 2/22/14 | 2/22/14 0019 | 2/22/14 0810 | B130222140019 | 30 | 22 | 022214/0946 | 19.0 | 12 | 022214/1151 | 13 | <MDA | 030614/1730 |
| 2/22/14 | 2/22/14 0810 | 2/22/14 1615 | B130222140810 | 28 | 17 | 022214/1713 | 22.0 | 10 | 022214/2004 | 15 | <MDA | 030614/1730 |
| 2/22/14 | 2/22/14 1615 | 2/22/14 2356 | B130222141615 | 32 | 33 | 022314/0047 | 22.0 | 9 | 022314/0404 | 11 | <MDA | 030614/1757 |
| 2/22/14 | 2/22/14 2356 | 2/23/14 0810 | B130222142356 | 21 | 29 | 022314/0938 | 19.0 | 17 | 022314/1227 | 9 | <MDA | 030614/1811 |
| 2/23/14 | 2/23/14 0810 | 2/23/14 1605 | B130223140810 | 7 | 22 | 022314/1642 | 17.0 | 7 | 022314/2010 | 14 | <MDA | 030614/1757 |
| 2/23/14 | 2/23/14 1605 | 2/24/14 0015 | B130223141605 | 40 | 54 | 022414/0054 | 19.0 | 13 | 022414/0401 | 12 | <MDA | 030614/1811 |
| 2/24/14 | 2/24/14 0015 | 2/24/14 0846 | B130224140015 | 14 | 19 | 022414/1136 | 14.0 | 14 | 022414/1540 | 9 | <MDA | 030614/1811 |

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N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|---------------------|------------|----------------------|-------------|------------|-------------------------|
| 2/24/14 | 2/24/14 0846 | 2/24/14 1635 | B130224140846 | 22 | 28 | 022414/1733 | 8.0 | 8 | 022414/2031 | 6 | <MDA | 030614/1811 |
| 2/24/14 | 2/24/14 1635 | 2/25/14 0016 | B130224141635 | 45 | 72 | 022514/0029 | 8.0 | 12 | 022514/0404 | 6 | <MDA | 030614/1811 |
| 2/25/14 | 2/25/14 0016 | 2/25/14 0902 | B130225140016 | 41 | 53 | 022514/1012 | 14.0 | 21 | 022514/1403 | 9 | <MDA | 030614/1840 |
| 2/25/14 | 2/25/14 0902 | 2/25/14 1652 | B130225140902 | 39 | 59 | 022514/1742 | 12.0 | 7 | 022514/2000 | 5 | <MDA | 030614/1840 |
| 2/25/14 | 2/25/14 1652 | 2/26/14 0010 | B130225141652 | 27 | 41 | 022614/0101 | 12.0 | 10 | 022614/0450 | 7 | <MDA | 030614/1840 |
| 2/26/14 | 2/26/14 0010 | 2/26/14 0921 | B130226140010 | 26 | 21 | 022614/1051 | 23.0 | 16 | 022614/1423 | 19 | <MDA | 030614/1905 |
| 2/26/14 | 2/26/14 0921 | 2/26/2014 1616 | B130226140921 | 22 | 25 | 022614/1727 | Count Not Performed | | | 6 | <MDA | 030614/1905 |
| 2/26/14 | 2/26/14 1616 | 2/27/14 0030 | B130226141616 | 33 | 59 | 022714/0129 | 11.0 | 14 | 022714/0408 | 4 | <MDA | 030614/1825 |
| 2/27/14 | 2/27/14 0030 | 2/27/14 0806 | B130227140030 | 22 | 37 | 022714/0929 | 7.0 | 22 | 022714/1153 | 1 | <MDA | 030614/1825 |
| 2/27/14 | 2/27/14 0806 | 2/28/14 0012 | B130227140806 | 27 | 41 | 022814/0046 | 16.0 | 10 | 022814/0401 | 9 | <MDA | 030614/1825 |
| 2/28/14 | 02/28/14 0012 | 2/28/14 0927 | B130228140012 | 14 | 20 | 022814 /1024 | 8.0 | 5 | 022814/1408 | 4 | <MDA | 030614/1825 |
| 2/28/14 | 2/28/14 0927 | 2/28/14 1705 | B130228140927 | 6 | 7 | 022814 /1825 | 5.0 | <MDA | 022814/1919 | 5 | <MDA | 030614/1825 |
| 2/28/14 | 2/28/14 1705 | 3/1/14 0144 | B130228141705 | 16 | 28 | 030114 /0235 | 6.0 | 5 | 030114 /0528 | 3 | <MDA | 030614/1825 |
| 3/1/14 | 3/1/14 0144 | 3/1/14 0915 | B130301140144 | 21 | 35 | 030114/0957 | 6.0 | 8 | 030114/1257 | 2 | <MDA | 030614/1825 |

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dpm = Disintegrations Per Minute

N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|--------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/1/14 | 3/1/14 0915 | 3/1/14 1620 | B130301140915 | 10 | 10 | 030114/1735 | 4.0 | <MDA | 030114/2110 | 4 | <MDA | 030614/1825 |
| 3/1/14 | 3/1/14 1620 | 3/2/14 0045 | B130301141620 | 17 | 16 | 030214/0108 | 9.0 | 5 | 030214/0512 | 10 | 9 | 030614/1825 |
| 3/2/14 | 3/2/14 0045 | 3/2/14 0850 | B130302140045 | 51 | 81 | 030214/0925 | 19.0 | 20 | 030214/1156 | 5 | <MDA | 030914/2323 |
| 3/2/14 | 3/2/14 0850 | 3/2/14 1630 | B130302140850 | 51 | 37 | 030214/1723 | 34.0 | 18 | 030214/2122 | 38 | 7 | 030914/2326 |
| 3/2/14 | 3/2/14 1630 | 3/3/14 0106 | B130302141630 | 17 | 28 | 030314/0152 | 7.0 | 13 | 030314/0559 | 3.14 | <MDA | 030914/2327 |
| 3/3/14 | 3/3/14 0106 | 3/3/14 0820 | B130303140106 | 26 | 39 | 030314/0855 | 9.0 | 14 | 030314/1217 | 1.05 | <MDA | 030914/2327 |
| 3/3/14 | 3/3/14 0820 | 3/3/14 1620 | B130303140820 | 19 | 48 | 030314/1704 | 2.0 | 6 | 030314/2103 | 44 | 6 | 030914/2328 |
| 3/3/14 | 3/3/14 1620 | 3/4/14 0114 | B130303141620 | 22 | 33 | 030414/0208 | 5.0 | 8 | 030414/0543 | 1.31 | <MDA | 030914/2330 |
| 3/4/14 | 3/4/14 0114 | 3/4/14 0815 | B130304140114 | 31 | 49 | 030414/0846 | 8.0 | 11 | 030414/1130 | 3.66 | <MDA | 031014/0238 |
| 3/4/14 | 3/4/14 0815 | 3/4/14 1610 | B130304140815 | 18 | 26 | 030414/1639 | 4.0 | <MDA | 030414/1957 | 6.8 | <MDA | 030914/2330 |
| 3/4/14 | 3/4/14 1610 | 3/5/14 0005 | B130304141610 | 21 | 34 | 030514/0051 | 5.0 | 5 | 030514/0351 | 2.61 | <MDA | 030914/2331 |
| 3/5/14 | 3/5/14 0005 | 3/5/14 0810 | B130305140005 | 26 | 36 | 030514/0920 | 7.0 | 14 | 030514/1206 | 2.04 | <MDA | 030814/1332 |
| 3/5/14 | 3/5/14 0810 | 3/5/14 1608 | B130305140810 | 86 | 49 | 030514/1649 | 6.0 | 8 | 030514/2007 | **60 | 10 | 030814/1332 |

**After counting each filter quadrant separately it was determined that the filter was cross contaminated.

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N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/5/14 | 3/5/14 1608 | 3/6/14 0015 | B130305141608 | 16 | 29 | 030614/0109 | 7.0 | 9 | 030614/0403 | 3.07 | <MDA | 030814/2329 |
| 3/6/14 | 3/6/14 0015 | 3/6/14 0835 | B130306140015 | 22 | 45 | 030614/0902 | 8.0 | 8 | 030614/1240 | 2.78 | <MDA | 030914/1016 |
| 3/6/14 | 3/6/14 0835 | 3/6/14 1620 | B130306140835 | 18 | 27 | 030614/1725 | 1.0 | <MDA | 030614/2348 | 3.03 | <MDA | 031014/0223 |
| 3/6/14 | 3/6/14 1620 | 3/7/14 0001 | B130306141620 | 18 | 35 | 030714/0039 | 2.0 | 5 | 030714/1255 | <MDA | <MDA | 031014/0104 |
| 3/7/14 | 3/7/14 0001 | 3/7/14 1140 | B130307140001 | 24 | 41 | 030714/1226 | 7.0 | 6 | 030814/0141 | 4 | <MDA | 031014/0030 |
| 3/7/14 | 3/7/14 1140 | 3/7/14 1710 | B130307141140 | 11 | 21 | 030714/1750 | 3.0 | <MDA | 030814/0157 | 4 | <MDA | 031014/1736 |
| 3/7/14 | 3/7/14 1710 | 3/8/14 0015 | B130307141710 | 10 | 15 | 030814/0122 | 3.0 | <MDA | 030814/2331 | 4 | <MDA | 031114/0017 |
| 3/8/14 | 3/8/14 0015 | 3/8/14 0855 | B130308140015 | 23 | 28 | 030814/0955 | 5.0 | <MDA | 030914/1017 | 4.34 | <MDA | 031114/1138 |
| 3/8/14 | 3/8/14 0855 | 3/8/14 1750 | B130308140855 | 22 | 21 | 030814/1815 | 15.0 | 6 | 030814/2335 | 11 | 5.82 | 031114/1401 |
| 3/8/14 | 3/8/14 1750 | 3/9/14 0055 | B130308141750 | 10 | 18 | 030914/0142 | 4.0 | 3 | 030914/1020 | <MDA | <MDA | 031214/0004 |
| 3/9/14 | 3/9/14 0055 | 3/9/14 0905 | B130309140055 | 17 | 31 | 030914/0952 | 2.0 | 2 | 031014/0803 | <MDA | <MDA | 031214/0747 |
| 3/9/14 | 3/9/14 0905 | 3/9/14 1650 | B130309140905 | 8 | 10 | 030914/1744 | 1.0 | 2 | 031014/0154 | <MDA | <MDA | 031214/1550 |
| 3/9/14 | 3/9/14 1650 | 3/10/14 0010 | B130309141650 | 21 | 39 | 031014/0046 | 1.0 | 3 | 031014/0801 | <MDA | <MDA | 031314/0000 |
| 3/10/14 | 3/10/14 0010 | 3/10/14 0915 | B130310140010 | 16 | 25 | 031014/1018 | 5.0 | 6 | 031014/1729 | 2.36 | <MDA | 031314/0751 |

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N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/10/14 | 3/10/14 0915 | 3/10/14 1640 | B130310140915 | 10 | 19 | 031014/1658 | 3.0 | 2 | 031114/1032 | <MDA | <MDA | 031314/1558 |
| 3/10/14 | 3/10/14 1640 | 3/11/14 0050 | B130310141640 | 26 | 45 | 031114/0132 | 4.0 | 5 | 031114/0753 | 3.07 | <MDA | 031314/2359 |
| 3/11/14 | 3/11/14 0050 | 3/11/14 0847 | B130311140050 | 38 | 59 | 031114/0918 | 6.0 | 10 | 31114/1511 | <MDA | <MDA | 031414/1100 |
| 3/11/14 | 3/11/14 0847 | 3/11/14 1619 | B130311140847 | 13 | 24 | 031114/1644 | 3.7 | <MDA | 031214/0003 | <MDA | <MDA | 031414/1559 |
| 3/11/14 | 3/11/14 1619 | 3/12/14 0030 | B130311141619 | 75 | 26 | 031214/0102 | 70.0 | 10 | 031214/0743 | 61 | 12 | 031514/0739 |
| 3/12/14 | 3/12/14 0030 | 3/12/14 0845 | B130312140030 | 26 | 20 | 031214/0925 | 18.0 | 8 | 031214/1545 | 14 | <MDA | 031514/0740 |
| 3/12/14 | 3/12/14 0845 | 3/12/14 1635 | B130312140845 | 10 | 16 | 031214/1653 | 5.0 | 8 | 031314/0010 | <MDA | <MDA | 031514/1618 |
| 3/12/14 | 3/12/14 1635 | 3/13/14 0047 | B130312141635 | 19 | 36 | 031314/0116 | 4.5 | 6 | 031314/0750 | <MDA | <MDA | 031514/2349 |
| 3/13/14 | 3/13/14 0047 | 3/13/14 0857 | B130313140047 | 17 | 25 | 031314/0927 | 3.0 | 5 | 031314/1535 | <MDA | <MDA | 031614/0809 |
| 3/13/14 | 3/13/14 0857 | 3/13/14 1635 | B130313140857 | 24 | 29 | 031314/1655 | 7.0 | 5 | 031414/0010 | 5 | <MDA | 031614/1659 |
| 3/13/14 | 3/13/14 1635 | 3/14/14 0050 | B130313141635 | 20 | 30 | 031414/0139 | 3.0 | 2 | 031414/1103 | <MDA | <MDA | 031714/0022 |
| 3/14/14 | 3/14/14 0050 | 3/14/14 0820 | B130314140050 | 15 | 20 | 031414/0940 | 5.0 | 7 | 031414/1533 | <MDA | <MDA | 031714/0803 |
| 3/14/14 | 3/14/14 0820 | 3/14/14 1655 | B130314140820 | 11 | 23 | 031414/1809 | 4.5 | 5 | 031514/0011 | 2.8 | <MDA | 031714/1601 |
| 3/14/14 | 3/14/14 1655 | 3/15/14 0020 | B130314141655 | 24 | 38 | 031514/0107 | 3.1 | <MDA | 031514/0742 | 2.7 | <MDA | 031814/0017 |

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N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/15/14 | 3/15/14 0020 | 3/15/14 0850 | B130315140020 | 32 | 63 | 031514/0932 | 5.0 | 13 | 031514/1617 | 2.4 | <MDA | 031814/0756 |
| 3/15/14 | 3/15/14 0850 | 3/15/14 1635 | B130315140850 | 18 | 34 | 031514/1705 | <MDA | <MDA | 031514/2350 | 3.1 | <MDA | 031814/1559 |
| 3/15/14 | 3/15/14 1635 | 3/16/14 0030 | B130315141635 | 19 | 18 | 031614/0139 | 13.0 | <MDA | 031614/0813 | 14 | <MDA | 031814/2358 |
| 3/16/14 | 3/16/14 0030 | 3/16/14 0835 | B130316140030 | 19 | 32 | 031614/0903 | 4.1 | <MDA | 031614/1601 | 4.2 | <MDA | 031914/0810 |
| 3/16/14 | 3/16/14 0835 | 3/16/14 1628 | B130316140835 | 10 | 18 | 031614/1705 | 4.0 | <MDA | 031714/0022 | 2.4 | <MDA | 031914/1604 |
| 3/16/14 | 3/16/14 1628 | 3/17/14 0030 | B130316141628 | 17 | 22 | 031714/0103 | 6.0 | 14 | 031714/0809 | <MDA | <MDA | 031914/2357 |
| 3/17/14 | 3/17/14 0030 | 3/17/14 0930 | B130317140030 | 22 | 33 | 031714/0957 | 7.0 | 7 | 031714/1605 | <MDA | <MDA | 032014/0816 |
| 3/17/14 | 3/17/14 0930 | 3/17/14 1648 | B130317140930 | 14 | 18 | 031714/1742 | 3.0 | <MDA | 031814/0016 | <MDA | <MDA | 032014/1524 |
| 3/17/14 | 3/17/14 1648 | 3/18/14 0001 | B130317141648 | 19 | 36 | 031814/0040 | 4.5 | 5 | 031814/0800 | <MDA | <MDA | 032114/0004 |
| 3/18/14 | 3/18/14 0001 | 3/18/14 0940 | B130318140001 | 23 | 53 | 031814/1014 | 4.3 | 10 | 031814/1626 | <MDA | <MDA | 032114/0845 |
| 3/18/14 | 3/18/14 0940 | 3/18/14 1635 | B130318140940 | 17 | 30 | 031814/1653 | 3.2 | 3.8 | 031814/2358 | <MDA | <MDA | 032114/1708 |
| 3/18/14 | 3/18/14 1635 | 3/19/14 0030 | B130318141635 | 19 | 24 | 031914/0043 | 6.0 | <MDA | 031914/0804 | 9 | <MDA | 032214/0843 |
| 3/19/14 | 3/19/14 0030 | 3/19/14 0928 | B130319140030 | 15 | 16 | 031914/1016 | 9.0 | 6 | 031914/1603 | 10 | 8 | 032214/0832 |
| 3/19/14 | 3/19/14 0928 | 3/19/14 1703 | B130319140928 | 8 | 11 | 031914/1800 | 3.0 | 3 | 032014/0003 | 4.4 | 4.1 | 032214/1800 |

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N/A = Not Analyzed N/P = Not performed

Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/19/14 | 3/19/14 1703 | 3/20/14 0015 | B130319141703 | 29 | 60 | 032014/0039 | 5.0 | 8 | 032014/0816 | <MDA | <MDA | 032214/2346 |
| 3/20/14 | 3/20/14 0015 | 3/20/14 0910 | B130320140015 | 8 | 16 | 032014/1102 | 5.0 | 7 | 032014/1525 | <MDA | <MDA | 032314/0755 |
| 3/20/14 | 3/20/14 0910 | 3/20/14 1643 | B130320140910 | 15 | 66 | 302014/1701 | 5.0 | 6 | 032114/0006 | <MDA | <MDA | 032314/1600 |
| 3/20/14 | 3/20/14 1643 | 3/21/14 0020 | B130320141643 | 33 | 56 | 032014/0041 | 4.7 | 7 | 032114/0831 | <MDA | <MDA | 032314/2343 |
| 3/21/14 | 3/21/14 0020 | 3/21/14 0815 | B130321140020 | 42 | 74 | 032114/0848 | 5.0 | 9 | 032114/1606 | <MDA | <MDA | 032414/0828 |
| 3/21/14 | 3/21/14 0815 | 3/21/14 1608 | B130321140815 | 26 | 43 | 032114/1630 | 5.0 | 9 | 032114/2341 | <MDA | <MDA | 032414/1555 |
| 3/21/14 | 3/21/14 1608 | 3/22/2014 0001 | B130321141608 | 32 | 61 | 032214/0039 | 6.0 | 8 | 032214/0805 | <MDA | <MDA | 032414/2323 |
| 3/22/14 | 3/22/14 0001 | 3/22/14 0805 | B130322140001 | 10 | 26 | 032214/0942 | 9.0 | 11 | 032214/1601 | <MDA | <MDA | 032514/0814 |
| 3/22/14 | 3/22/14 0805 | 3/22/14 1600 | B130322140805 | 19 | 5 | 032214/1647 | 4.0 | 9 | 032214/2344 | <MDA | <MDA | 032514/1616 |
| 3/22/14 | 3/22/14 1600 | 3/23/14 0000 | B130322141600 | 34 | 55 | 032314/0000 | <MDA | <MDA | 032314/2343 | <MDA | <MDA | 032614/0000 |
| 3/23/14 | 3/23/14 0000 | 3/23/14 0805 | B130323140000 | 23 | 30 | 032314/0805 | 8.0 | 8 | 032314/1600 | <MDA | <MDA | 032614/0819 |
| 3/23/14 | 3/23/14 0805 | 3/23/14 1557 | B130323140805 | 19 | 34 | 032314/1600 | 3.7 | 7 | 032414/0000 | <MDA | <MDA | 032614/1601 |
| 3/23/14 | 3/23/14 1557 | 3/24/14 0000 | B130324141557 | 29 | 29 | 032414/0049 | 4.4 | 7 | 032414/1316 | <MDA | <MDA | 032714/0000 |
| 3/24/14 | 3/24/14 0000 | 3/24/14 0810 | B130324140000 | 28 | 71 | 032414/0859 | 8.0 | 12 | 032414/1550 | 3.9 | 8 | 032714/0800 |

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/24/14 | 3/24/14 0810 | 3/24/14 1600 | A230324140810 | 13 | 39 | 032414/1713 | 3.9 | 10 | 032514/2338 | <MDA | <MDA | 032714/1608 |
| 3/24/14 | 3/24/14 1600 | 3/25/14 0000 | B130324141600 | 34 | 65 | 032514/0811 | 5.0 | 10 | 032514/0811 | <MDA | <MDA | 032714/2345 |
| 3/25/14 | 3/25/14 0000 | 3/25/14 0825 | B130325140000 | 48 | 84 | 032514/0846 | 8.0 | 13 | 032514/1608 | <MDA | <MDA | 032814/0744 |
| 3/25/14 | 3/25/14 0825 | 3/25/14 1612 | B130325140825 | 29 | 45 | 032514/1707 | 5.0 | 11 | 032614/0000 | <MDA | <MDA | 032814/1532 |
| 3/26/14 | 3/25/14 1612 | 3/26/14 0007 | B130325141612 | 11 | 21 | 032614/0048 | 4.0 | 6 | 032614/0816 | <MDA | <MDA | 032914/0011 |
| 3/26/14 | 3/26/14 0007 | 3/26/14 0810 | B130326140007 | 20 | 47 | 032514/0911 | 7.0 | 14 | 032614/1558 | <MDA | <MDA | 032914/0743 |
| 3/26/14 | 3/26/14 0810 | 3/26/14 1600 | B130326140810 | 21 | 29 | 032614/1637 | 3.9 | 4.5 | 032714/0000 | <MDA | <MDA | 032914/1534 |
| 3/26/14 | 3/26/14 1600 | 3/27/14 0020 | B130326141600 | 43 | 79 | 032714/0037 | 2.6 | 5 | 032714/0759 | <MDA | <MDA | 033014/0053 |
| 3/27/14 | 3/27/14 0020 | 3/27/14 0825 | B130327140020 | 19 | 30 | 032714/0909 | <MDA | <MDA | 032714/1600 | <MDA | <MDA | 033014/0751 |
| 3/27/14 | 3/27/14 0825 | 3/27/14 1010 | B130327140825 | 13 | 25 | 032714/1030 | 2.4 | <MDA | 032714/1758 | <MDA | <MDA | 033014/0751 |
| 3/27/14 | 3/27/14 1010 | 3/27/14 1610 | B130327141010 | 11 | 17 | 032714/1704 | <MDA | <MDA | 032814/0000 | 1.3 | <MDA | 033014/1529 |
| 3/27/14 | 3/27/14 1610 | 3/28/14 0001 | B130327140001 | 9 | 14 | 032814/0044 | <MDA | 4.1 | 032814/0800 | <MDA | <MDA | 033114/0003 |
| 3/28/14 | 3/28/14 0001 | 3/28/14 0805 | B130328140001 | 21 | 36 | 032814/0904 | 3.1 | 8 | 032814/1530 | <MDA | <MDA | 033114/0749 |
| 3/28/14 | 3/28/14 0805 | 3/28/14 1600 | B130328140805 | 14 | 18 | 032814/1600 | <MDA | 6 | 032914/0009 | <MDA | <MDA | 033114/1544 |

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 3/28/14 | 3/28/14 1600 | 3/29/14 0020 | B130328141600 | 16 | 20 | 032914/0107 | 3.7 | 5 | 032914/0743 | <MDA | <MDA | 033114/2346 |
| 3/29/14 | 3/29/14 0020 | 3/29/14 0815 | B130329140020 | 20 | 42 | 032914/0927 | 4.4 | 14 | 032914/1534 | <MDA | <MDA | 040114/0920 |
| 3/29/14 | 3/29/14 0815 | 3/29/14 1600 | B130329140815 | 15 | 23 | 032914/1636 | 2.8 | 3.5 | 032914/2359 | <MDA | <MDA | 040114/0921 |
| 3/29/14 | 3/29/14 1600 | 3/29/14 2345 | B130329141600 | 15 | 28 | 033014/0101 | 3.4 | 5 | 033014/0800 | <MDA | <MDA | 040114/2351 |
| 3/29/14 | 3/29/14 2345 | 3/30/14 0810 | B130329142345 | 7 | 14 | 033014/1011 | 5.0 | 10 | 033014/1600 | <MDA | <MDA | 040214/0806 |
| 3/30/14 | 3/30/14 0810 | 3/30/14 1603 | B130330140810 | 14 | 22 | 033014/1651 | 3.4 | 8 | 033114/0001 | 1.8 | <MDA | 040201/1548 |
| 3/30/14 | 3/30/14 1603 | 3/31/14 0100 | B130330141603 | 24 | 39 | 033114/0139 | 5.0 | 6 | 033114/0813 | 1.6 | <MDA | 040314/0000 |
| 3/31/14 | 3/31/14 0100 | 3/31/14 0800 | B130331140100 | 22 | 38 | 033114/0859 | 3.9 | 9 | 033114/1541 | <MDA | <MDA | 040314/0800 |
| 3/31/14 | 3/31/14 0800 | 3/31/14 1600 | B130331140800 | 11 | 17 | 033114/1638 | <MDA | <MDA | 033114/2343 | <MDA | <MDA | 040314/1624 |
| 3/31/14 | 3/31/14 1600 | 4/1/14 0020 | B130331141600 | 8 | 16 | 040114/0146 | <MDA | <MDA | 040114/0921 | <MDA | <MDA | 040314/2343 |
| 4/1/14 | 4/1/14 0020 | 4/1/14 0825 | B130401140020 | 11 | 16 | 040114/1023 | 3.1 | <MDA | 040114/1800 | <MDA | <MDA | 040414/0841 |
| 4/1/14 | 4/1/14 0825 | 4/1/14 1615 | B130401140825 | 5 | 17 | 040114/1703 | <MDA | <MDA | 040114/2351 | <MDA | <MDA | 040414/1556 |
| 4/1/14 | 4/1/14 1615 | 4/2/14 0005 | B130401141615 | 26 | 46 | 040214/0039 | 2.9 | 6 | 040114/0758 | <MDA | <MDA | 040414/2356 |
| 4/2/14 | 4/2/14 0005 | 4/2/14 0810 | B130402140005 | 10 | 29 | 040214/0917 | 5.0 | 7 | 040214/1548 | <MDA | <MDA | 040514/0814 |

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Station B, After the Filtration System

Caution: results may require interpretation due to varying counting times and methods of analysis

| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|--------|----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/2/14 | 4/2/14 0810 | 4/2/14 1600 | B130402140810 | 13 | 22 | 040214/1646 | <MDA | <MDA | 040314/1200 | 2.4 | <MDA | 040514/1620 |
| 4/2/14 | 4/2/14 1600 | 4/3/14 0015 | B130402141600 | 14 | 20 | 040314/0055 | 1.6 | 3.9 | 040314/0747 | <MDA | <MDA | 040614/0006 |
| 4/3/14 | 4/3/14 0015 | 4/3/14 0811 | B130403140015 | 7 | 12 | 040314/0909 | 2.4 | 3.7 | 040314/1558 | <MDA | <MDA | 040614/0851 |
| 4/3/14 | 4/3/14 0811 | 4/3/14 1602 | B130403140811 | 10 | 15 | 040314/1648 | 2.6 | <MDA | 040414/0123 | <MDA | <MDA | 040614/1653 |
| 4/3/14 | 4/3/14 1602 | 4/4/14 0005 | B130403141602 | 20 | 31 | 040414/0037 | 2.6 | <MDA | 040414/0750 | <MDA | <MDA | 040714/0057 |
| 4/4/14 | 4/4/14 0005 | 4/4/14 0840 | B130404140005 | 32 | 67 | 040414/0912 | 7.0 | 10 | 040414/1549 | <MDA | <MDA | 040714/0737 |
| 4/4/14 | 4/4/14 0840 | 4/4/14 1620 | B130404140840 | 19 | 37 | 040414/1705 | 2.1 | 2.55 | 040414/2351 | <MDA | <MDA | 040714/1545 |
| 4/4/14 | 4/4/14 1620 | 4/5/14 0040 | B130404141620 | 26 | 51 | 040514/0057 | 5.0 | 9 | 040514/0814 | <MDA | <MDA | 040814/0006 |
| 4/5/14 | 4/5/14 0040 | 4/5/14 0900 | B130405140040 | 20 | 36 | 040514/0954 | 4.7 | 9 | 040514/1619 | <MDA | <MDA | 040814/0821 |
| 4/5/14 | 4/5/14 0900 | 4/5/14 1650 | B130405140900 | 24 | 44 | 040514/1735 | 2.9 | 6 | 040614/0001 | <MDA | <MDA | 040814/1557 |
| 4/5/14 | 4/5/14 1650 | 4/6/14 0015 | B130405141650 | 27 | 62 | 040614/0025 | 1.8 | 6 | 040614/0853 | <MDA | <MDA | 040914/0008 |
| 4/6/14 | 4/6/14 0015 | 4/6/14 0843 | B130406140015 | 41 | 57 | 040614/0929 | 7.0 | 14 | 040614/1656 | 1.3 | <MDA | 040914/0744 |
| 4/6/14 | 4/6/14 0843 | 4/6/14 1627 | B130406140843 | 19 | 28 | 040614/1644 | 2.1 | <MDA | 040714/0004 | 1.5 | 2.7 | 040914/1547 |
| 4/6/14 | 4/6/14 1627 | 4/7/14 0010 | B130406141627 | 26 | 53 | 040714/0023 | 5.0 | 9 | 040714/0737 | 1.8 | 8 | 041014/0150 |

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Station B, After the Filtration System

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| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/7/14 | 4/7/14 0010 | 4/7/14 0800 | B130407140010 | 30 | 55 | 040714/0850 | 4.2 | 12 | 040714/1545 | 2.6 | 3.1 | 041014/0217 |
| 4/7/14 | 4/7/14 0800 | 4/7/14 1610 | B130407140800 | 11 | 23 | 040714/1645 | 2.1 | 3.8 | 040814/0001 | 2.4 | 2.1 | 041014/1631 |
| 4/7/14 | 4/7/14 1610 | 4/8/14 0015 | B130407141610 | 28 | 50 | 040814/0031 | 3.7 | 8 | 040914/0830 | 1 | <MDA | 041114/0007 |
| 4/8/14 | 4/8/14 0015 | 4/8/14 0800 | B130408140015 | 14 | 28 | 040814/0911 | 3.1 | 10 | 040814/1557 | 0.3 | <MDA | 041114/0758 |
| 4/8/14 | 4/8/14 0800 | 4/8/14 1600 | B130408140800 | 13 | 23 | 040814/1647 | 3.1 | 3.9 | 040914/0008 | 1.3 | <MDA | 041114/1558 |
| 4/8/14 | 4/8/14 1600 | 4/9/14 0015 | B130408141600 | 19 | 35 | 040914/0109 | 5.0 | 5 | 040914/0744 | <MDA | <MDA | 041114/2356 |
| 4/9/14 | 4/9/10 0015 | 4/9/14 0810 | B130409140015 | 12 | 19 | 040914/0900 | 3.9 | 8 | 040914/1615 | 2.3 | <MDA | 041214/0745 |
| 4/9/14 | 4/9/14 0810 | 4/9/14 1625 | B130409140810 | 24 | 39 | 040914/1639 | 3.9 | 7 | 041014/0003 | <MDA | <MDA | 041214/1546 |
| 4/9/14 | 4/9/14 1625 | 4/10/14 0020 | B130409141625 | 29 | 46 | 041014/0057 | 3.1 | 6 | 041014/0816 | <MDA | 1.8 | 041214/2344 |
| 4/10/14 | 4/10/14 0020 | 4/10/14 0804 | B130410140020 | 31 | 55 | 041014/0901 | 6.0 | 11 | 041014/1630 | <MDA | 1.6 | 041314/0743 |
| 4/10/14 | 4/10/14 0804 | 4/10/14 1545 | B130410140804 | 13 | 18 | 041014/1648 | 4.4 | 5 | 041114/0000 | <MDA | <MDA | 041314/1552 |
| 4/10/14 | 4/10/14 1545 | 4/11/14 0020 | B13041014545 | 40 | 65 | 041114/0049 | 5.0 | 3.9 | 041114/0754 | <MDA | 1.4 | 041314/2338 |
| 4/11/14 | 4/11/14 0020 | 4/11/14 0835 | B130411140020 | 22 | 27 | 041114/1008 | 7.0 | 9 | 041114/1603 | 2.9 | 8.8 | 041414/0827 |
| 4/11/14 | 4/11/14 0835 | 4/11/14 1650 | B130411140835 | 13 | 28 | 041114/1730 | <MDA | 7 | 041214/0549 | <MDA | 2.7 | 041414/1621 |

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Station B, After the Filtration System

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| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/11/14 | 4/11/14 1650 | 4/12/14 0000 | B130411141650 | 18 | 37 | 041214/0050 | 4.2 | 9.6 | 041214/0753 | 1.3 | <MDA | 041414/2344 |
| 4/12/14 | 4/12/14 0000 | 4/12/14 0815 | B130412140000 | 35 | 58 | 041214/0900 | 6.0 | 6.9 | 041214/1549 | 2.1 | <MDA | 041514/0800 |
| 4/12/14 | 4/12/14 0815 | 4/12/14 1600 | B130412140815 | 14 | 28 | 041214/1629 | 1.6 | 4.1 | 041214/2343 | <MDA | <MDA | 041514/1554 |
| 4/12/14 | 4/12/14 1600 | 4/13/14 0000 | B130412141600 | 8 | 15 | 041314/0042 | 2.4 | 1.9 | 041314/0742 | <MDA | <MDA | 041614/0002 |
| 4/13/14 | 4/13/14 0000 | 4/13/14 0817 | B130413140000 | 27 | 59 | 041314/0839 | 3.9 | 5 | 041314/1554 | <MDA | <MDA | 041614/0752 |
| 4/13/14 | 4/13/14 0817 | 4/13/14 1617 | B130413140817 | 27 | 56 | 041314/1634 | 1.6 | 3.1 | 041314/2338 | <MDA | <MDA | 041614/1555 |
| 4/13/14 | 4/13/14 1617 | 4/14/14 0000 | B130413141617 | 22 | 3.9 | 041414/0031 | 2.6 | 5 | 041414/0820 | <MDA | <MDA | 041614/2351 |
| 4/14/14 | 4/14/14 0000 | 4/14/14 0845 | B130414140000 | 14 | 19 | 041414/0939 | 7.0 | 7 | 041414/1615 | 3.9 | <MDA | 041714/0915 |
| 4/14/14 | 4/14/14 0845 | 4/14/14 1645 | B130414140845 | 12 | 14 | 041414/1729 | 2.9 | 1.6 | 041414/2344 | <MDA | <MDA | 041714/1616 |
| 4/14/14 | 4/14/14 1645 | 4/15/14 0015 | B130414141645 | 24 | 43 | 041514/0051 | 6.0 | 4.9 | 041514/0800 | 0.8 | <MDA | 041714/2350 |
| 4/15/14 | 4/15/14 0015 | 4/15/14 0830 | B130415140015 | 21 | 36 | 041514/0916 | 6.0 | 6 | 041514/1600 | 3.4 | <MDA | 041814/0910 |
| 4/15/14 | 4/15/14 0830 | 4/16/14 1610 | B130415140830 | 10 | 18 | 041514/1648 | 2.6 | 2.9 | 041614/0001 | <MDA | <MDA | 041814/1555 |
| 4/15/14 | 4/15/14 1610 | 4/16/14 0010 | B130415141610 | 16 | 25 | 041614/0020 | 3.1 | 5.5 | 041614/0752 | <MDA | <MDA | 041814/2354 |
| 4/16/14 | 4/16/14 0010 | 4/16/14 0850 | B130416140010 | 25 | 45 | 041614/0944 | 4.2 | 7.5 | 041614/1559 | <MDA | <MDA | 041914/0751 |

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Station B, After the Filtration System

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| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/16/14 | 4/16/14 0850 | 4/16/14 1612 | B130416140850 | 14 | 21 | 041614/1703 | 3.9 | 2.7 | 041614/2355 | 2.6 | <MDA | 041914/1559 |
| 4/16/14 | 4/16/14 1612 | 4/17/14 0010 | B130416141612 | 27 | 56 | 041714/0029 | 2.9 | <MDA | 041714/0907 | 2.6 | 7.3 | 041914/2352 |
| 4/17/14 | 4/17/14 0010 | 4/17/14 0815 | B130417140010 | 17 | 30 | 041714/0849 | 4.7 | 6.7 | 041714/1612 | <MDA | <MDA | 042014/0805 |
| 4/17/14 | 4/17/14 0815 | 4/17/14 1620 | B130417140815 | 13 | 17 | 041714/1708 | 3.4 | 6.5 | 041714/2348 | <MDA | <MDA | 042014/1548 |
| 4/17/14 | 4/17/14 1620 | 4/18/14 0020 | B130417141620 | 39 | 83 | 041814/0027 | 4.4 | 8 | 041814/0845 | <MDA | <MDA | 042014/2338 |
| 4/18/14 | 4/18/14 0020 | 4/18/14 0840 | B130418140020 | 21 | 45 | 041814/0947 | 4.4 | 6.4 | 041814/1600 | <MDA | <MDA | 042114/0759 |
| 4/18/14 | 4/18/14 0840 | 4/18/14 1554 | B130418140840 | 27 | 40 | 041814/1634 | 3.1 | 2.2 | 041814/2355 | <MDA | <MDA | 042114/1553 |
| 4/18/14 | 4/18/14 1554 | 4/19/14 0005 | B130418141554 | 26 | 30 | 041914/0038 | 14.0 | 5 | 041914/0752 | 10.7 | <MDA | 042114/2347 |
| 4/19/14 | 4/19/14 0005 | 4/19/14 0805 | B130419140005 | 17 | 32 | 041914/0847 | 2.4 | 0 | 041914/1600 | <MDA | <MDA | 042214/0812 |
| 4/19/14 | 4/19/14 0805 | 4/19/14 1600 | B130419140805 | 11 | 20 | 041914/1645 | 20.0 | 3.1 | 041914/2352 | <MDA | <MDA | 042214/1548 |
| 4/19/14 | 4/19/14 1600 | 4/20/14 0000 | B130419141600 | 15 | 32 | 041914/0036 | 1.6 | 0.6 | 042014/0805 | <MDA | <MDA | 042314/0006 |
| 4/20/14 | 4/20/14 0000 | 4/20/14 0800 | B130420140000 | 21 | 38 | 042014/0843 | 2.6 | 8.2 | 042014/1548 | <MDA | <MDA | 042314/0757 |
| 4/20/14 | 4/20/14 0800 | 4/20/14 1600 | B130420140800 | 12 | 22 | 042014/1628 | 0.3 | 2.4 | 042014/2338 | 1.8 | <MDA | 042314/1559 |
| 4/20/14 | 4/20/14 1600 | 4/21/14 0015 | B130420141600 | 48 | 82 | 042114/0032 | 3.9 | 8.4 | 042114/0803 | <MDA | <MDA | 042314/2352 |

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| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/21/14 | 4/21/14 0015 | 4/21/14 0805 | B130421140015 | 36 | 69 | 042114/0856 | 5.0 | 14.1 | 042114/1557 | <MDA | <MDA | 042414/0817 |
| 4/21/14 | 4/21/14 0805 | 4/21/14 1620 | B130421140805 | 12 | 29 | 042114/1649 | 2.6 | 4.5 | 042114/2348 | <MDA | <MDA | 042414/1630 |
| 4/21/14 | 4/21/14 1620 | 4/22/14 0000 | B13042141620 | 18 | 40 | 042214/0033 | 1.6 | 4.1 | 042214/0812 | 2.1 | <MDA | 042414/2349 |
| 4/22/14 | 4/22/14 0000 | 4/22/14 0820 | B130422140000 | 7 | 15 | 042214/1023 | 6.5 | 9.6 | 042214/1549 | <MDA | <MDA | 042514/0751 |
| 4/22/14 | 4/22/14 0820 | 4/23/14 1545 | B130422140820 | 21 | 32 | 042214/1618 | 3.1 | 5.1 | 042314/0151 | 4.2 | 6.9 | 042514/1556 |
| 4/22/14 | 4/22/14 1545 | 4/23/14 0000 | B130422141545 | 6.5 | 7.3 | 042314/0124 | 1.8 | 4.7 | 042314/0756 | 3.1 | 5.9 | 042614/0007 |
| 4/23/14 | 4/23/14 0000 | 4/23/14 0800 | B130423140000 | 15 | 25 | 042314/0928 | 5.8 | 5.3 | 042314/1558 | <MDA | <MDA | 042614/0806 |
| 4/23/14 | 4/23/14 0800 | 4/23/14 1615 | B130423140810 | 18 | 37 | 042314/1634 | 3.7 | 2.7 | 042314/2353 | <MDA | <MDA | 042614/1601 |
| 4/23/14 | 4/23/14 1615 | 4/24/14 0010 | B130423141615 | 10 | 20 | 042414/0026 | 1.3 | 1.8 | 042414/0811 | <MDA | <MDA | 042714/0010 |
| 4/24/14 | 4/24/14 0010 | 4/24/14 0850 | B130424140001 | 8.6 | 11 | 042414/1025 | 5.2 | 2.6 | 042414/1629 | <MDA | <MDA | 042714/0742 |
| 4/24/14 | 4/24/14 0850 | 4/24/14 1555 | B130424140850 | 4.2 | 8 | 042414/1710 | 2.4 | 0.2 | 042414/2346 | <MDA | <MDA | 042714/1613 |
| 4/24/14 | 4/24/14 1555 | 4/25/14 0000 | B130424141555 | 35 | 61 | 042514/0026 | 3.4 | 4.1 | 042514/0751 | <MDA | <MDA | 042814/0024 |
| 4/25/14 | 4/25/14 0000 | 4/25/14 0840 | B130425140000 | 23 | 44 | 042514/0940 | 6.5 | <MDA | 042514/1556 | <MDA | <MDA | 042814/0815 |
| 4/25/14 | 4/25/14 0840 | 4/25/14 1630 | B130425140840 | 15 | 29 | 042514/1712 | 4.4 | 4.9 | 042614/0007 | <MDA | <MDA | 042814/1626 |

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| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/25/14 | 4/25/14 1630 | 4/26/14 0030 | B130425141630 | 17 | 35 | 042614/0110 | 2.6 | 1 | 042614/0805 | <MDA | <MDA | 042914/0013 |
| 4/26/14 | 4/26/14 0030 | 4/26/14 0805 | B130426140030 | 25 | 42 | 042614/0906 | 2.9 | 10.4 | 042614/1605 | <MDA | <MDA | 042914/0818 |
| 4/26/14 | 4/26/14 0805 | 4/26/14 1610 | B130426140805 | 9 | 13 | 042614/1652 | 2.6 | 0.2 | 042714/0005 | <MDA | <MDA | 042914/1622 |
| 4/26/14 | 4/26/14 1610 | 4/27/14 0010 | B130426141610 | 5 | 14 | 042714/0107 | 1.1 | <MDA | 042714/0800 | <MDA | <MDA | 043014/0010 |
| 4/27/14 | 4/27/14 0010 | 4/27/14 0807 | B130427140010 | 9 | 10 | 042714/0900 | 0.8 | 1.2 | 042714/1612 | <MDA | <MDA | 043014/0757 |
| 4/27/14 | 4/27/14 0807 | 4/27/14 1600 | B130427140807 | 10 | 15 | 042714/1649 | 1.1 | 1.6 | 042714/0024 | <MDA | <MDA | 043014/1540 |
| 4/27/14 | 4/27/14 1600 | 4/28/14 0020 | B130427141600 | 7 | 16 | 042814/0111 | 4.2 | 7.1 | 042814/0745 | <MDA | <MDA | 043014/2350 |
| 4/28/14 | 4/28/14 0020 | 4/28/14 0825 | B130428140020 | 22 | 48 | 042814/0923 | 4.4 | 5.3 | 042814/1557 | <MDA | <MDA | 050114/1550 |
| 4/28/14 | 4/28/14 0825 | 4/28/14 1600 | B130428140825 | 11 | 16 | 042814/1708 | 1.8 | <MDA | 042914/0008 | <MDA | <MDA | 050114/1553 |
| 4/28/14 | 4/28/14 1600 | 4/29/14 0015 | B130428141600 | 1.6 | <MDA | 042914/0117 | 0.5 | <MDA | 042914/0750 | <MDA | <MDA | 050214/0005 |
| 4/29/14 | 4/29/14 0015 | 4/29/14 0810 | B130429140015 | 4 | 12 | 042914/0913 | 2.9 | <MDA | 042914/1554 | <MDA | <MDA | 050214/00815 |
| 4/29/14 | 4/29/14 0810 | 4/29/14 1600 | B130429140810 | 9 | 11 | 042914/1648 | 1.6 | <MDA | 043014/0010 | <MDA | <MDA | 050214/1612 |
| 4/29/14 | 4/29/14 1600 | 4/30/14 0020 | B130429141600 | 14 | 23 | 043014/0049 | 1.3 | <MDA | 043014/0752 | 1.8 | <MDA | 050214/0021 |
| 4/30/14 | 4/30/14 0020 | 4/30/14 0800 | B130430140020 | 6 | 6 | 043014/0746 | 2.6 | <MDA | 043014/1538 | 0.8 | <MDA | 050314/0811 |

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| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|-----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 4/30/14 | 4/30/14 0800 | 4/30/14 1600 | B130430140800 | 8 | 12 | 043014/1632 | 2.9 | 1.18 | 043014/2350 | <MDA | <MDA | 050214/1613 |
| 4/30/14 | 4/30/14 1600 | 5/1/2014 0005 | B130430141600 | 9 | 21 | 050114/0047 | 1.3 | 2.6 | 050114/0750 | <MDA | <MDA | 050314/0115 |
| 5/1/14 | 5/1/14 0005 | 5/1/14 0815 | B130501140005 | 9 | 15 | 050114/0956 | 3.1 | 5.5 | 050114/1552 | <MDA | <MDA | 050314/0811 |
| 5/1/14 | 5/1/14 0815 | 5/1/14 1554 | B130501140815 | 5 | 8 | 050114/1657 | <MDA | <MDA | 050214/0005 | <MDA | <MDA | 050314/1612 |
| 5/1/14 | 5/1/14 1554 | 5/2/14 0022 | B130501141554 | 49 | 94 | 050214/0058 | 8.1 | 2.4 | 050214/0815 | 3.9 | <MDA | 050414/2349 |
| 5/2/14 | 5/2/14 0022 | 5/2/14 0800 | B130502140022 | 12 | 21 | 050214/0948 | 3.4 | 7.7 | 050214/1610 | <MDA | <MDA | 050514/0737 |
| 5/2/14 | 5/2/14 0800 | 5/2/14 1623 | B130502140800 | 10 | 20 | 050214/1711 | 1.8 | 1.4 | 050314/0024 | <MDA | <MDA | 050514/1549 |
| 5/2/14 | 5/2/14 1623 | 5/3/14 0000 | B130502141623 | 7 | 10 | 050314/0153 | 3.1 | 2.4 | 050314/0809 | <MDA | <MDA | 050514/2359 |
| 5/3/14 | 5/3/14 0000 | 5/3/14 0830 | B130503140000 | 15 | 18 | 050314/0938 | 2.9 | 6.3 | 050314/1608 | <MDA | <MDA | 050614/0755 |
| 5/3/14 | 5/3/14 0830 | 5/3/14 1615 | B130503140830 | 7 | 11 | 050314/1711 | 1.1 | 1.8 | 050414/0046 | <MDA | <MDA | 050614/1600 |
| 5/3/14 | 5/3/14 1615 | 5/4/14 0015 | B130503141615 | 13 | 20 | 050414/0122 | 1.3 | 3.1 | 050414/0820 | <MDA | <MDA | 050714/0002 |
| 5/4/14 | 5/4/14 0015 | 5/4/14 0820 | B130504140015 | 13 | 27 | 050414/0929 | 4.2 | 7.6 | 050414/1609 | 0.8 | <MDA | 050714/0915 |
| 5/4/14 | 5/4/14 0820 | 5/4/14 1620 | B130504140820 | 12 | 22 | 050414/1651 | 1.1 | 2.9 | 050414/2352 | <MDA | <MDA | 050714/1554 |
| 5/4/14 | 5/4/14 1620 | 5/5/14 0000 | B130504141620 | 13 | 18 | 050514/0104 | 1.1 | 6.9 | 050514/0737 | <MDA | <MDA | 050814/0013 |

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Station B, After the Filtration System

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| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|--------|----------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/5/14 | 5/5/14 0000 | 5/5/14 0845 | B130505140000 | 19 | 31 | 050514/0943 | 2.1 | 5.5 | 050514/1549 | 2.4 | <MDA | 050814/0808 |
| 5/5/14 | 5/5/14 0845 | 5/5/14 1625 | B130505140845 | 18 | 28 | 050514/1651 | 0.5 | <MDA | 050614/0006 | <MDA | <MDA | 050814/1613 |
| 5/5/14 | 5/5/14 1625 | 5/6/14 0000 | B130505141625 | 16 | 30 | 050614/0049 | 2.1 | 1.2 | 050614/0755 | 1.1 | 1.8 | 050914/0006 |
| 5/6/14 | 5/6/14 0000 | 5/6/14 0830 | B130506140000 | 27 | 41 | 050614/0903 | 2.9 | 1.8 | 050614/1600 | <MDA | <MDA | 050914/0805 |
| 5/6/14 | 5/6/14 0830 | 5/6/14 1600 | B130506140830 | 7 | 12 | 050614/1649 | 1.6 | 3.7 | 050714/0044 | <MDA | <MDA | 050914/1542 |
| 5/6/14 | 5/6/14 1600 | 5/7/14 0001 | B130506141600 | 7 | 18 | 050714/0100 | 2.1 | 0.8 | 050714/0914 | 1.1 | <MDA | 050914/2339 |
| 5/7/14 | 5/7/14 0001 | 5/7/14 0807 | B130507140001 | 8 | 16 | 050714/0914 | 2.9 | 7.1 | 050714/1554 | <MDA | 3.1 | 051014/0819 |
| 5/7/14 | 5/7/14 0807 | 5/7/14 1600 | B130507140807 | 8 | 17 | 050714/1633 | 0.0 | 4.3 | 050814/0012 | <MDA | <MDA | 051014/1622 |
| 5/7/14 | 5/7/14 1600 | 5/8/14 0020 | B130507141600 | 5 | 9 | 050814/1305 | 3.1 | 2 | 050814/0808 | <MDA | <MDA | 051014/2250 |
| 5/8/14 | 5/8/14 0020 | 5/8/14 0840 | B130508140020 | 12 | 18 | 050814/0942 | 3.1 | 3.3 | 050814/1606 | <MDA | 1.4 | 051114/0837 |
| 5/8/14 | 5/8/14 0840 | 5/8/14 1630 | B130508140840 | 8.4 | 15 | 050814/1651 | 0.5 | 1.4 | 050914/0003 | <MDA | 2.4 | 051114/1559 |
| 5/8/14 | 5/8/14 1630 | 5/9/14 0030 | B130508141630 | 7.6 | 18 | 050914/0104 | 2.1 | 21 | 050914/0810 | 1.3 | 2 | 051114/1147 |
| 5/9/14 | 5/9/14 0030 | 5/9/14 0840 | B130509140030 | 11 | 21 | 050914/0940 | 5.8 | 5.7 | 050914/1543 | 1.6 | 3.3 | 051214/0802 |
| 5/9/14 | 5/9/14 0840 | 5/9/14 1615 | B130509140840 | 14 | 25 | 050914/1635 | 2.4 | 1.8 | 050914/2321 | 1.3 | <MDA | 051214/1705 |

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Station B, After the Filtration System

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| Date | Date Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/9/14 | 5/9/14 1615 | 5/10/14 0020 | B130509141615 | 20 | 37 | 051014/0036 | 2.4 | 4.5 | 051014/0821 | <MDA | <MDA | 051214/2339 |
| 5/10/14 | 5/10/14 0020 | 5/10/14 0820 | B130510140020 | 21 | 32 | 051014/0901 | 2.4 | 6 | 051014/1620 | <MDA | <MDA | 051314/0816 |
| 5/10/14 | 5/10/14 0820 | 05/10/14 1625 | B130510140820 | 12 | 19 | 051014/1657 | 2.0 | 3 | 051014/2137 | <MDA | <MDA | 051314/1600 |
| 5/10/14 | 05/10/14 1625 | 5/11/14 0001 | B130510141625 | 12 | 19 | 051114/0053 | 2.4 | 4.7 | 051114/0840 | <MDA | <MDA | 051314/2353 |
| 5/11/14 | 5/11/14 0001 | 5/11/14 0820 | B130511140001 | 18 | 37 | 051114/0900 | 3.9 | 5.5 | 051114/1558 | 1.8 | 3.1 | 051414/0755 |
| 5/11/14 | 5/11/14 0820 | 5/11/14 1625 | B130511140820 | 13 | 26 | 051114/1644 | 1.0 | 2.3 | 051114/1141 | <MDA | 5.1 | 051414/1553 |
| 5/11/14 | 5/11/14 1625 | 5/12/14 0000 | B130511141625 | 89 | 12 | 051214/0102 | 1.3 | 2.7 | 051214/0802 | <MDA | <MDA | 051414/2349 |
| 5/12/14 | 5/12/14 0000 | 5/12/14 0815 | B130512140000 | 7 | 13 | 051214/0911 | 2.1 | 2.6 | 051214/1703 | <MDA | <MDA | 051514/0801 |
| 5/12/14 | 5/12/14 0815 | 5/12/14 1615 | B130512140815 | 8 | 16 | 051214/1646 | 1.3 | 1.4 | 051214/2339 | <MDA | <MDA | 051514/1622 |
| 5/12/14 | 5/12/14 1615 | 5/13/14 0015 | B130512141615 | 8 | 14 | 051314/0023 | 1.6 | 1.8 | 051314/0816 | <MDA | <MDA | 051614/0004 |
| 5/13/14 | 5/13/14 0015 | 5/16/14 0804 | B130513140015 | 4 | 9 | 051314/0917 | 2.4 | 5.1 | 051314/1600 | 3.1 | 11.6 | 051614/0808 |
| 5/13/14 | 5/13/14 0804 | 5/13/14 1610 | B130513140804 | 8 | 14 | 051314/1643 | 1.3 | 1.4 | 051314/2355 | <MDA | 3.7 | 051614/1600 |
| 5/13/14 | 5/13/14 1610 | 5/14/14 0000 | B130513141610 | 7 | 13 | 051414/0041 | 2.9 | 4.1 | 051414/0754 | <MDA | <MDA | 051714/0003 |
| 5/14/14 | 5/14/14 0000 | 5/14/14 0810 | B130514140000 | 18 | 38 | 051414/0847 | 4.7 | 6.9 | 051414/1554 | <MDA | <MDA | 051714/0810 |

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Station B, After the Filtration System

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| Date | Date Time Installed | Date Time Removed | Filter ID | Alpha (dpm) | Beta (dpm) | First Count (date/time) | Alpha (dpm) | Beta (dpm) | Re-count (date/time) | Alpha (dpm) | Beta (dpm) | Final Count (date/time) |
|---------|---------------------|-------------------|---------------|-------------|------------|-------------------------|-------------|------------|----------------------|-------------|------------|-------------------------|
| 5/14/14 | 5/14/14 0810 | 5/14/14 1610 | B130514140810 | 11 | 18 | 051414/1643 | 1.6 | 2.7 | 051414/2350 | | | |
| 5/14/14 | 5/14/14 1610 | 5/15/14 0055 | B130514141610 | 16 | 34 | 051514/0114 | 1.8 | 2 | 051514/0801 | | | |
| 5/15/14 | 5/15/14 0055 | 5/15/14 0810 | B130515140055 | 14 | 23 | 051514/0852 | 1.6 | 3.1 | 051514/1619 | | | |
| 5/15/14 | 5/15/14 0810 | 5/15/14 1600 | B130515140810 | 8 | 10 | 051514/1652 | 1.1 | 3.3 | 051514/0005 | | | |
| 5/15/14 | 5/15/14 1600 | 5/16/14 0028 | B130515141600 | 9 | 18 | 051614/0105 | 3.9 | 11.8 | 051614/0752 | | | |
| 5/16/14 | 5/16/14 0028 | 5/16/14 0830 | B130516140028 | 16 | 25 | 051614/0927 | 3.4 | 5.1 | 051614/1546 | | | |
| 5/16/14 | 5/16/14 0830 | 5/16/14 1620 | B130516140830 | 10 | 21 | 051614/1701 | 4.4 | 7.84 | 051714/0003 | | | |
| 5/16/14 | 5/16/14 1620 | 5/17/14 0020 | B130516141620 | 18 | 41 | 051714/0040 | 3.1 | 1.6 | 051714/0749 | | | |
| 5/17/14 | 5/17/14 0020 | 5/17/14 0805 | B130517140020 | 17 | 28 | 051714/0852 | | | | | | |

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