

Edward L. Pepe Project Leader – B/323 330MM Program GLOBALFOUNDRIES US 2 LLC Facilities Engineering B/330D – AH2, Zip 87S 2070 Route 52 Hopewell JCT, NY 12533

Subject:

DCAP End of Life Project in Building 310 at GLOBALFOUNDRIES US 2 LLC Fab 10 Facility, Hopewell Junction, NY

Dear Mr. Pepe:

This Certification Letter has been prepared by Arcadis of New York, Inc. (Arcadis) to document the closure of solid waste management units (SWMUs) as part of the IBM DCAP End of Life (EOL) Asset Retirement Obligation (ARO) Project (the "Project") in Building 310 at the GLOBALFOUNDRIES US 2 LLC Fab 10 Facility, Hopewell Junction, New York. The location of Building 310 within the Fab 10 facility is shown on Figure 1. DCAP refers to a type of multilayer ceramic capacitor for microelectronics. The SWMUs that were closed or partially closed during the Project through September 2016 included accessible components of the fluoride/heavy metals lift stations, industrial wastewater lift stations, solvent waste lift stations, and associated transfer piping within Building 310. The Project involved decontamination and removal of lift stations that received wastewater or solvent waste from process tools, wet benches, sinks and water heating equipment in DCAP fabrication and testing areas. The project also included removal of associated waste transfer piping throughout the DCAP areas as well as removal of piping from previously decommissioned areas within Building 310 that were connected to the same wastewater transfer systems. These lift stations and waste transfer piping systems are identified as SWMUs in accordance with IBM's Permit Module II 6 NYCRR Part 373 Hazardous Waste Management Permit.

On July 1, 2015, the IBM East Fishkill facility was acquired by GLOBALFOUNDRIES US 2 LLC (GLOBALFOUNDRIES). The SWMU closure and documentation activities summarized in this Certification Letter were implemented by IBM under their ARO (Asset Retirement Obligation) with the assistance of GLOBALFOUNDRIES. Both corporations are referenced in this letter report.

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ENVIRONMENTAL

Date: November 7, 2016

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Our ref: B0000130.0005

The proposed approach to SWMU closure for the DCAP Project in Building 310 was summarized in a February 2, 2016 memorandum work plan prepared by Arcadis for GLOBALFOUNDRIES and IBM ("the Plan"). The Plan was submitted by IBM to New York State Department of Environmental Conservation (NYSDEC) and conditional approval of the Plan was issued to IBM on April 26, 2016 in a letter to Dean Chartrand, IBM Corporate Environmental Affairs from Alex G. Czuhanich, Project Manager for the NYSDEC Remedial Section B, Remedial Bureau E, Division of Environmental Remediation. Arcadis prepared a response memorandum to GLOBALFOUNDRIES dated June 30, 2016, accepting NYSDEC's comments by reference as part of the final work plan, with clerical corrections to the SWMU identifications contained in the conditional approval letter. That memorandum was provided to Mr. Czuhanich by IBM via e-mail on August 4, 2016.

OVERVIEW

SWMUs in Building 310 (Figure 1) were identified by IBM prior to initiation of the Project, in accordance with IBM's Permit Module II, 6 NYCRR Part 373 Hazardous Waste Management Permit. A list of the active, inactive/closed and removed SWMUs associated with Building 310 prior to initiation of the Project was included as Table 1 in the Plan. The active SWMUs were to be evaluated to confirm which SWMUs would be closed as part of the Project.

When the Plan was prepared, the active SWMU list included system SWMUs (lift station and waste transfer piping systems) as well as tanks. The lift station system SWMUs B/310/LS FL, B/310 LS IW, and B/3210 LS SO consist of multiple lift stations identified by waste handling type (fluoride/heavy metal [FL], industrial wastewater [IW] and solvent [SO]). To document SWMU removal/closure, the individual lift stations were inventoried and listed as components of each lift station system SWMU. The inventoried SWMU components included both active and previously removed lift stations (removed prior to November 2015). The final inventory was added to the enclosed Table 1 for removal tracking and documentation during the Project. The Project areas referenced on Table 1 are identified by number on Figure 2. The Building 310 SWMUs and SWMU components that remained active at the end of the Project (certain tanks and lift stations), and the system SWMUs that were only partially removed, retain an "Active" status on Table 1.

Collectively, SWMU closure completed or partially completed during the Project included:

- Decontamination and removal of deactivated components of the:
 - o B/310 LS FL: Fluoride/Heavy Metals Lift Stations
 - o B/310 LS IW: Industrial Wastewater Lift Stations
 - o B/310 LS SO: Solvent Waste Lift Stations
 - o BB310-FL (2): Fluoride/Heavy Metals Wastewater Transfer Piping
 - B310-IW (2): Industrial Wastewater Transfer Piping
 - B310-SO (2): Solvent Waste Transfer Piping
- Cleaning and verifying decontamination of secondary containment pits and trenches associated with SWMU lift station components.
- Decontamination, demolition and removal of SWMU# 3135 consisting of one 300-gallon PVC lift station tank in a secondary containment pit that had serviced a previously removed process line.

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- Documenting the location of previously removed SWMU lift stations, which were identified based on remaining name plates, control panels, and/or secondary containment pits and trenches.
- Cleaning and verifying decontamination of secondary containment pits and trenches associated with the identified previously removed SWMU lift station components.

Closure of these systems during the Project was accomplished by decontamination and removal of each SWMU or SWMU component, and decontamination of pits and trenches associated with previously removed lift stations, unless otherwise noted in this report.

The SWMU closure activities implemented in support of the Project included:

- A reconnaissance of the active SWMUs to determine which SWMUs will be closed, document the existing conditions of the SWMUs, and formulate the final decontamination and/or disposition approach for each SWMU.
- Decontamination of the SWMU systems for subsequent recycling or disposal, verified by a Third Party (Arcadis).
- Preparation of this Certification Letter to document which SWMUs within the Project area have been closed.

SWMU RECONNAISSANCE

The initial step of the closure approach consisted of field reconnaissance of the listed active SWMUs within the Project area. To develop a complete inventory of lift stations included in the SWMUs, the pump maintenance database was used to develop a list of active lift stations. Room-by-room reconnaissance was completed to verify lift station locations. Several inactive and previously removed lift stations were identified during the reconnaissance efforts as evidenced by identification placards on walls, lift station pump controls, and/or remaining lift station riser pipes. Several secondary containment pits for previously removed lift stations, surrounded or covered with safety barriers, were located and earmarked for final decontamination and inspection. Singular SWMUs and SWMUs consisting of multiple components (lift stations) were inventoried and each component was assigned an index number to associate with closure documentation.

Arcadis prepared the final inventory database and photographed the SWMUs and SWMU components in Building 310 that were scheduled to be closed or verified as closed during the Project. This database was reviewed by GLOBALFOUNDRIES and was used as a guide throughout the closure process, and updated periodically as SWMUs or SWMU components were closed.

SWMUs and SWMU components in Building 310 that were inventoried during the Project included:

 Individual lift stations identified as components of the fluoride/heavy metals, industrial wastewater and solvent waste lift station SWMUs. These include previously removed lift stations that had been located either above the slab or within secondary containment pits or trenches, lift stations removed during the Project, and active lift stations remaining in service as of September 2016.

- SWMUs with individual Unit ID #s including:
 - o 3129 Active 7,000-gal. Above-ground industrial wastewater lift station tank.
 - o 3134 Active 7,000-gal. Above-ground industrial wastewater lift station tank.
 - 3135 Inactive 300-gal. Fluoride/heavy metals lift station tank (removal completed during the Project).
 - 4038 Active vapor-liquid separator for contaminated groundwater soil vapor extraction system.
- SWMUs representing entire waste transfer piping systems (fluoride/heavy metal, industrial and waste solvent transfer systems).

The single SWMU identified as "Fluoride/Heavy Metals Lift Stations in Building 310 (B/310 LS FL)" includes all lift stations that may receive fluoride or metal wastewaters, or other compatible non-solvent wastewaters. These lift stations are routed to the active onsite fluoride/heavy metals treatment facility at Building 386. Within the Project Area, the observed wastewater sources were hooded wet benches and a bottle wash station where hydrofluoric acid (HF) and chromates were handled. All "LS FL" lift stations in the Project area are small polyethylene pump tanks (typically 15-35 gallons), either within metal drip pans sitting on tiled floors or within concrete pits protected with chemical resistant coatings. Other "LS FL" lift stations listed on Table 1 were previously removed.

The single SWMU identified as "Industrial Wastewater Lift Stations in Building 310 (B/310 LS IW)" includes all acid drain lift stations that may receive wastewaters not designated for fluoride/heavy metals treatment. The acid drain systems in Building 310 are routed to the industrial wastewater treatment facility at Building 312. Within the Project Area, the wastewater sources included industrial wash sinks, various eyewash stations, wet benches where acids other than HF were used, high temperature tools (condensate), and hot water conditioning units. Most "LS IW" lift stations within the Project area are small polyethylene pump tanks (typically 15-50 gallons), either within metal drip pans sitting on tiled floors or within concrete pits protected with chemical resistant coatings, along with some smaller 2-gallon polyethylene or steel pump tanks sitting on tiled floors or platforms. Other "LS IW" lift stations listed on Table 1 were previously removed.

The single SWMU identified as "Solvent Waste Lift Stations in Building 310 (B/310 LS SO) consisted of two 30-gallon stainless steel tanks within steel drip pans on tiled floors at the beginning of the Project. Other "LS SO" lift stations listed on Table 1 were previously removed.

The final inventory of SWMUs and SWMU components that were closed or partially closed during the Project is provided on the enclosed Table 1. This table is sorted by SWMU ID#, Project area location number, and individual index numbers. The Project area locations are identified by number on Figure 2.

In addition, a checklist was used to document the relevant SWMU details, inspection and sampling results on a pass/fail basis, disposal and recycling disposition, SWMU status change date, and cross-reference to the associated SWMU verification data tables. Notes were added to checklists to summarize exceptions to the closure objectives, where applicable. The completed checklists, along with documentation photographs are provided in *Attachment A*.

SWMU CLOSURE ACTIVITIES

At the onset of the Project, the GLOBALFOUNDRIES Facilities Engineering Team, who implemented the project for IBM, was not aware of any previous environmental releases associated with any of the SWMU components to be closed under this Project. For the SWMUs removed during the project, Arcadis found no visible evidence of damaged lift stations or waste transfer piping systems.

During the cleaning and subsequent inspection of secondary containment pits and trenches associated with previously removed lift stations, Arcadis observed that the secondary containment pits and trenches were generally in good condition with intact chemical resistant coatings or stainless steel liners, except for secondary containment trenches in two chemical dispensing rooms as discussed under the "Exceptions" subheading.

Decontamination activities implemented by GLOBALFOUNDRIES and its contractors, and verified by Arcadis, included the following steps:

- Preparing the work area for decontamination activities by disconnecting electrical and compressed air feeds, establishing exclusion zones in accordance with the contractor's Health and Safety Plan, and preparing the work areas for drained fluid and rinse water containment and collection. Decontamination, demolition and removal of all tools and SWMU components was performed by Stryker DES (Stryker). Techtron Environmental, Inc. (Techtron), managed the decontamination fluids and solids collected by Stryker. Techtron decontaminated the 300-gallon tank from SWMU #3135, certain segments of fluoride/heavy metal waste transfer piping and most of the solvent waste transfer piping removed by Stryker. These decontamination services were performed in existing facility wash bays in other buildings designated and managed for collection of the respective wastewaters.
- Removing wastewater and accumulated residues, if any, from SWMU components by pumping, flushing, and/or use of hand tools. All solid waste generated by SWMU decommissioning was placed in appropriate containers and collected by Techtron for waste profiling by GLOBALFOUNDRIES and subsequent onsite treatment or offsite disposal based on the appropriate waste profiles.
- Decontaminating SWMU component surfaces using treated facility water for rinsing components or wiping surfaces with wet rags. Treated facility water is a clean non-potable water supply to eyewash stations, sinks, lavatories and general facility hose spigots. Water is the most appropriate cleaning agent for removing residual acid and inorganic sediment residue expected in these lift stations. Where additional measures were needed to complete decontamination, cleaning agents such as Simple Green® and/or acid neutralizers (alkaline detergents) were used. Wastewater generated by decontamination activities was collected by Techtron for treatment at the appropriate onsite wastewater treatment facility.
- The SWMU lift stations were disassembled and the piping systems were cut into manageable sections for decontamination and testing and rendered unusable. Scrap metal from the decontaminated SWMUs was separated by metal type and shipped offsite for recycling. Decontaminated non-metal components of the SWMUs (e.g., polyethylene tanks and PVC)

piping) were cut up and containerized for off-site disposal as a nonhazardous waste at a permitted solid waste landfill. Table 2 lists the recycling and disposal facilities utilized for the Project. Hazardous wastes generated from SWMU closure (e.g., solvent waste pipe segments that could not be cleaned to a debris free condition) were managed by GLOBALFOUNDRIES for offsite disposal based on waste classification.

THIRD PARTY OBSERVATION AND TESTING

Arcadis provided third party observation and testing to verify that the SWMU closure activities were completed as planned, to document exceptions, and provide periodic progress reports to GLOBALFOUNDRIES.

Arcadis utilized the following methods to verify closure and removal of Building 310 SWMUs:

- ARCADIS inspected the SWMU and SWMU components listed in Table 1 to verify that the containers and systems were adequately drained of residual fluids and solids.
- Onsite decontamination activities were observed and documented by an Arcadis field representative to confirm clean closure and removal.
- Decontamination verification was performed as follows:
 - Arcadis conducted representative real-time testing of Industrial Waste SWMU components (lift station tanks, pits, waste transfer piping), which had contained potentially corrosive (D002) hazardous characteristic wastewaters. Testing with Hydrion® test strips confirmed the pH of component surfaces and pipe outlets upon light wetting with facility water. Facility water consistently exhibited a pH of 5.5. Decontamination efforts were considered complete if the test results for pH on the decontaminated surfaces were within the range of 5.0-8.0. If the pH was outside this range, the SWMU components were re-cleaned until decontamination objectives were achieved. The same process was used for non-hazardous wastewater lift stations that discharged to the industrial wastewater transfer piping system.
 - For SWMUs that may have handled D007 hazardous waste (characteristic of toxicity for chromium specifically SWMUs 3135, B/310 LS FL, and B/310-FL (2) or may have handled F001, F002, F003 or F005 hazardous waste (spent chlorinated and/or non-chlorinated solvents specifically SWMUs B/310 LS SO, B/310-SO (2), decontamination was considered complete when the SWMU surfaces were cleaned to a clean debris surface as defined in "6NYCRR Part 376.4(g) (Table 1, Footnote 3)":
 - "Clean debris surface" means the surface, when viewed without magnification, shall be free of all visible contaminated soil and hazardous waste except that residual staining from soil and waste consisting of light shadows, slight streaks, or minor discolorations, and soil and waste in cracks, crevices, and pits may be present provided that such staining and waste and soil in cracks, crevices, and pits shall be limited to no more than 5% of each square inch of surface area."

- Verification of clean debris surface was performed for the fluoride/heavy metal and solvent lift stations, tanks, and associated secondary containment structures based on postdecontamination visual inspection supported by record photographs for each. Lift station covers and pumps were removed to complete cleaning and inspection of all surfaces. Containment pits were washed and inspected for visible integrity and debris-free surface verification.
- For stainless steel and carbon steel solvent waste transfer piping (B/310-SO (2)), both primary waste transfer piping and secondary containment piping, a rigorous pressure wash of the interior surface was used to decontaminate cut sections. Pipe inspection cameras were used to conduct post-decontamination inspection of the interior surfaces of individual decontaminated 6-10 ft. lengths of the piping to verify that the debris-free surface criterion was met. Inspection was supported by representative photographs. Shorter sections were inspected by looking through the pipe ends with aid of an LED flashlight. Decontaminated steel piping passing clean debris surface inspection was released for recycling. Piping sections that failed the inspection (some carbon steel pipe) or sections that could not be fully cleaned and inspected (e.g., clogged valves and piping), were set aside and placed in appropriate containers for subsequent hazardous waste profiling and disposal managed by GLOBALFOUNDRIES.
- For fluoride/heavy metal wastewater transfer piping (B/310-FL (2)), Arcadis observed small sections of piping (smooth PVC typically up to 6-ft lengths) with visual inspection as viewed through the cut pipe ends with LED flashlights.
- Because the fluoride/heavy metal SWMUs could have managed acid or base wastewaters containing metals, Arcadis also performed pH testing in addition to debris-free inspection on the decontaminated fluoride/heavy metal tanks, secondary containment pits, lift stations and piping in the same manner as the Industrial Wastewater SWMUs.

Post-decontamination test results were recorded on data tables organized by associated Project areas as part of the overall Project documentation. All SWMU verification data tables are provided in *Attachment B*, except for the sampling results discussed under the "Exceptions" subheading. The data tables provide a total of 2,290 final pH measurements recorded for the SWMUs and SWMU components closed and removed during the Project. Based on Arcadis observations of debris-free conditions and supporting field data, no additional testing was necessary to release the decontaminated SWMU scrap metal for recycling or to release decontaminated plastics for disposal as non-hazardous waste, no longer subject to RCRA regulation.

The final disposition of each SWMU and component listed on Table 1 is identified in the checklists (*Attachment A*), along with notations regarding any exceptions to the verification process or acceptance criteria. Details on exceptions are provided in the Exceptions summary below.

EXCEPTIONS

The exceptions to the Plan encountered during implementation were as follows:

- Trenches associated with Solvent Lift Stations No. 11 and No. 13 in the Area 13 solvent dispensing room (components of B/310 LS SO) were cleaned to a debris free condition, which exposed minor to significant visible erosion of the protective epoxy cement trench liner. These 6inch deep trenches provided secondary containment for steel drain pipes that emptied into previously removed lift station sump tanks set within lined concrete sumps pits. They also served as trench drains around the perimeter of each room, which emptied into to the lift stations. During the Project, Stryker cleaned the concrete sump containment pits and the floor trenches to a debris-free condition. That cleaning revealed visible evidence of potentially compromised trench linings. The cleaned lining has the appearance of a porous surface with some of the liner surface dislodged by cleaning. To assess the liner for evidences of residual contamination, Arcadis collected 6 representative 3-inch deep core samples of the eroded epoxy cement liner material through to the underlying concrete slab, and one background sample from the adjacent room floor, and had them analyzed for the four non-halogenated solvents that had been dispensed in the room. The analysis results are included in Attachment C and summarized in Table C-1. Only one core sample exhibited solvents, consisting of a trace concentration (17 mg/kg) of isopropyl alcohol (IPA). This location also exhibited the most significant visible liner erosion. Based on this result, the liner was scoured out along a 3-ft length at the affected location exhibiting IPA to expose the underlying concrete for sampling. Two additional samples were subsequently collected 3 inches deep into the underlying concrete at this location. Liner failure was confirmed within a 3-ft long section of the trench based on the presence of trace IPA at a concentration of 45 mg/kg (45 ppm) in 1 of the 2 samples of the concrete directly beneath the compromised liner (see sample SRT-7 in Table C-1). Further investigation will be completed when the remaining inaccessible SWMUs are investigated in the future.
- Trenches associated with Fluoride/Heavy Metal Lift Station No. 28 in the Area 13 corrosives dispensing room (component of B/310 LS FL) were cleaned to a debris free condition, which exposed minor erosion of the protective epoxy cement trench liner. These 6-inch deep trenches provided secondary containment for steel drain pipes that emptied into a high-density polyethylene (HDPE) sump tank within a lined concrete sump pit. They also served as trench drains around the perimeter of the corrosives room, which emptied into to the HDPE lift station. The concrete sump containment pit and the trench were cleaned to a debris-free condition by Stryker. That cleaning revealed visible evidence of potentially compromised trench linings, although to a far lesser degree than the solvent room. Arcadis collected 4 representative 3-inch deep core samples of the eroded liner material through to the underlying concrete slab, and one background sample from the adjacent room floor, and had them analyzed for the eight RCRA metals, pH and conventional inorganic constituents representative of the acids and bases that been dispensed in the room. The analysis results are included in Attachment C and summarized in Table C-2. Comparison of the metals and pH results to environmental indicators of potential RCRA wastes and indicators of unrestricted use soil (Attachment C, Table C-3) confirmed clean closure with no evidence of potential hazardous waste within the liner. No further investigation is needed to close this component.

FINAL SWMU STATUS CHANGE

The status changes for B310 SWMUs, as listed on Table 1, are summarized as follows:

- Unit ID # 3135 Removed
- B/310 LS FL Partially removed (18 lift stations removed to date)
- B/310 LS IW Partially Removed (62 lift stations removed to date)
- B/310 LS SO Partially Removed (13 lift stations removed to date)
- B310 SO (2) Partially Removed Above-ground Piping System
- B310 –FL (2) Partially Removed Above-ground Piping System
- B310 –IW (2) Partially Removed Above-ground Piping System

Following NYSDEC acceptance of this certification letter, IBM/GLOBALFOUNDRIES will update the status of the SWMU database to reflect the status changes listed on the attached Table 1.

The next periodic RCRA report submitted to the NYSDEC in accordance with Module II of the 6 NYCRR Part 373 Hazardous Waste Management Permit will include the updated SWMU database.

CERTIFICATION STATEMENT

I, Frederick J. Kirschenheiter, P.E., as a licensed Professional Engineer in the State of New York, hereby certify that the Solid Waste Management Units (SWMUs) or their components listed in the attached Table 1, that were removed, partially removed or decontaminated in place during the Project in Building 310 at the GLOBALFOUNDRIES US 2 LLC Fab 10 Facility in Hopewell Junction, New York have been closed, partially closed, identified as previously removed (prior to the Project), or deferred, with exceptions noted herein, in accordance with the SWMU closure approach presented in Arcadis' February 2, 2016 memorandum work plan, as conditionally approved and amended ("the Plan"). The Plan was submitted by IBM to the NYSDEC and conditionally approved in an April 26, 2016 letter from the NYSDEC to IBM. The Plan was amended by Arcadis' June 30, 2016 memorandum which accepted the NYSDEC's conditional approval of the Plan.

This certification is based on Arcadis' on-site observation during implementation of the SWMU closure activities. I also certify that, to the best of my knowledge, this Certification Letter accurately reflects the SWMU closure activities that were conducted.

Please do not hesitate to contact me if you should have any questions or need additional information regarding this Certification Letter.

Sincerely,

Arcadis of New York, Inc.

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Fred Kirschenheiter. P.E. Senior Vice President New York P.E. No. 068859-1

Mr. Edward Pepe November 7, 2016

Copies: J. Ulrich, GLOBALFOUNDRIES R. Duggan. GLOBALFOUNDRIES M. Jones, Arcadis R. Kapp, Arcadis D. Chartrand, IBM Corporation

Enclosures: Table 1 Table 2 Figures Attachment A Attachment B Attachment C

TABLES



Table 1

Solid Waste Management Units (SWMUs and SWMU Components Closed During DCAP Packaging End Of Life Project, Status and Descriptions

SWMU Closure Report DCAP End of Life Project GLOBALFOUNRIES US 2 LLC Fab 10 Facility Hopewell Junction, New York

Table II-1 Solid Waste Management Units

UNIT ID #	DESCRIPTION	LOCATION	STATUS	GW REMEDIATION AREA?*	RCRA STATUS	SWMU Count	DESCRIPTION (TANK, SUMP, CONTAINMENT, SYSTEM; SIZE; CONTENT)	SWMU Checklist Index Number	DCAP EOL Work Area	Total SWMU Components for 100% Removal in DCAP EOL Project	Comments	Total SWMU and SWMU Components Indexed	Finished
3129	Industrial Wastewater	B/310 CRTYD PMP, Building B310A	Active	Area A	No Further Action *	1	Industrial Wastewater Tank #1, 7,000 gal. FRP, above ground lift station tank (for acid/industrial wastewater from B/310)	20150034	77	0	Delayed to pre- demolition 2016 2017	. 1	0
3134	Industrial Wastewater	B/310 CRTYD PMP, Building B310A	Active	Area A	No Further Action *	1	Industrial Wastewater Tank #2, 7,000 gal. FRP, above ground lift station tank (for acid/industrial wastewater from B/310)	20150035	77	0	Delayed to pre- demolition 2016 2017	. 1	0
3135	Fluoride/Heavy Metals Wastewater	B/310 B-24	Removed	Area A	No Further Action *	1	Fluoride/Heavy Metals Wastewater Lift Station, 300 gal. PVC/Crete Pump Tank (PVC tank in concrete pit), CS 3135 in Area 70. Lift Station pump was removed prior to 11/25/2015. Covered PVC sump tank in containment pit was removed, cleaned and verified debris free and neutral on 06/8/2016. Secondary concrete pit was cleaned and verified debris free and neutral.	20150036	70	1		1	1
4038	Contaminated Groundwater - Vapor Liquid Separator	B/310, E10/E11, 1st Floor	Active	Area A	No Further Action*	1	Vapor Liquid Separator	20150037	Near 30	0	Delayed to pre- demolition 2016 2017	. 1	0
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310	Active	Area A	No Further Action *	1	Fluoride/Heavy Metals Lift Stations (various, within building 310). Individual FL lift stations within Building 310 are listed below as components of B/310 LS FL.	20150038.0	NA	0	Portions Delayed to pre- demolition 2016 2017	NA	NA
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-4.5	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #22, Area 4. Pit was cleaned and, inspected and sampled on 1/19/2016	20150038 1	4	1	2011	1	101
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-5	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #23, Area 4-24. Pit was cleaned and, inspected and sampled on 1/20/2016	20150038.2	4-24	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 F-19	Removed Component	Area A	No Further Action *	0	Fluoride Lift Station #5, Brass Tag# ECOL 2368, Area 6 Removed 11/24/2015	20150038.3	6	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-19	Removed Component	Area A	No Further Action *		Fluoride Lift Station #6, Brass Tag# ECOL 2369, Area 6 Removed 1/4/2016						
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-20	Removed Component	Area A	No Further Action *	0	Fluoride/Heavy Metals Lift Station # 7, Brass Tag# ECOL 2372, Area 6 Removed 11/24/2015	20150038.4	6	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-20	Removed Component	Area A	No Further Action *	0	Fluoride/Heavy Metals Lift Station #8, Brass Tag# ECOL 2373, Area 6 Removed 1/4/2016	20150038.5	6	1		1	1

SWMU Closure Report DCAP End of Life Project GLOBALFOUNRIES US 2 LLC Fab 10 Facility Hopewell Junction, New York

Table II-1 Solid Waste Management Units

UNIT ID #	DESCRIPTION	LOCATION	STATUS	GW REMEDIATION AREA?*	RCRA STATUS	SWMU Count	DESCRIPTION (TANK, SUMP, CONTAINMENT, SYSTEM; SIZE; CONTENT)	SWMU Checklist Index Number	DCAP EOL Work Area	Total SWMU Components for 100% Removal in DCAP EOL Project	Comments	Total SWMU and SWMU Components Indexed	Finished
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 B-2	Removed Component	Area A	No Further Action *	0	Fluoride/Heavy Metals Lift Station #28, Area 13 Removed 1/20/2016. Trench confirmed debris free and pH neutral, but failed integrity inspection on 6/6/2016 based on minor visible crosion of the epoxy cement liner. Representative core samples (July 2016) analyzed for RCRA metals confirmed clean closure, with no residual hazardous waste within trench liner and underlying concrete.	20150038.7	13	1	No further action recommended	1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-6	Removed Component	Area A	No Further Action *		Pit for previously removed Fluoride Lift Station #24, Area 24. Pit was cleaned and, inspected and sampled on 1/20/2016						
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 F-8	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #4, Area 30. Pit was cleaned and, inspected and sampled on 1/19/2016	20150038.8	30	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-9	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #15, Area 30. Pit was cleaned and, inspected and sampled on 1/19/2016	20150038.11	30	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-8	Removed Component	Area A	No Further Action *	0	Previously removed Fluoride Lift Station #11, Area 30 Removed prior to 11/25/2015	20150038 12	30	0		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 AB-12	Active	Area A	No Further Action *	0	Fluoride/Heavy Metals Lift Station #26, Area 31	20150038 13	31	0	Delayed to pre- demolition 2016	1	
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 AC-11	Active	Area A	No Further Action *	0	Fluoride/Heavy Metals Lift Station #25, Area 31	20150038 14	31	0	Delayed to pre- demolition 2016	1	
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 G-15	Removed Component	Area A	No Further Action *	0	Fluoride Lift Station, Area 52 Removed prior to 11/25/2015	20150038.14	50	0	2017		0
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 E-20	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #14, Area 60. Pit was cleaned and, inspected and sampled on 1/20/2016	20150038.15	60	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 B-19	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station, Area 61. Pit was cleaned and, inspected and sampled on 1/18/2016	20150038.17	61	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 E-24	Removed Component	Area A	No Further Action *	0	Pit for previously removed Fluoride Lift Station #13, Area 69. Pit was cleaned and, inspected and sampled on 1/18/2016	20150038.18	69	1		1	1
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 C-24	Removed Component	Area A	No Further Action *	0	Fluoride Lift Station #41, Area 70 Removed prior to 11/25/2015	20150038.19	70	0		1	1

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Table II-1 Solid Waste Management Units

UNIT ID #	DESCRIPTION	LOCATION	STATUS	GW REMEDIATION AREA?*	RCRA STATUS	SWMU Count	DESCRIPTION (TANK, SUMP, CONTAINMENT, SYSTEM; SIZE; CONTENT)	SWMU Checklist Index Number	DCAP EOL Work Area	Total SWMU Components for 100% Removal in DCAP EOL Project	Comments	Total SWMU and SWMU Components Indexed	Finished
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 A-27	Removed Component	Area A	No Further Action *		Fluoride Lift Station, MER/Substation Near Area 70 Removed prior to 11/25/2015	00450000.04	MER Near	_			
B/310 LS FL	Fluoride/Heavy Metals Lift Stations	B/310 B-27	Removed Component	Area A	No Further Action *	0	Fluoride Lift Station, MER Near Area 70 Removed prior to 11/25/2015	20150038.21	MER Near	0			
B/310 LS IW	Industrial Wastewater Lift Stations	B/310	Active	Area A	No Further Action *	1	Industrial Wastewater Lift Stations (various, within building 310). Individual IW lift stations within Building 310 are listed below as components of B/310 LS IW.	20150038.22	NA	0	Portions Delayed to pre- demolition 2016 2017	NA	NA
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-25	Removed Component	Area A	No Further Action *		Acid Lift Station, Brass Tag # ECOL 2361, Area 1 Removed 1/4/2016						
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-24	Removed Component	Area A	No Further Action *	0	Acid Lift Station, Brass Tag # ECOL 2362, Area 1 Removed 1/4/2016	20150039.1	1	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 H-24	Removed Component	Area A	No Further Action *	0	Acid Lift Station #10, Brass Tag # ECOL 2364, Area 1 Removed 1/20/2016	20150039.2	1	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 H-2	Removed Component	Area A	No Further Action *	0	Acid Lift Station #31, Area 3. Removed prior to 11/25/2015	20150030.4	2	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-4.5	Removed Component	Area A	No Further Action *	0	Trench (share Trench) for previously removed Acid Lift Station #64, Area 4. Pit was cleaned and, inspected and sampled on 1/20/2016.	20150039.4	4	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-5	Removed Component	Area A	No Further Action *		Trench for previously removed Fluoride Lift Station # 23 (shared with previously removed Acid Lift Station #65), Areas 4 and 24. Pit was cleaned and, inspected and sampled on 1/20/2016.						
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-20	Removed Component	Area A	No Further Action *	0	Acid Lift Station #14, Brass Tag # ECOL 2365, Area 6 Removed 1/4/2016	20150039.6	4-24	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-19	Removed Component	Area A	No Further Action *	0	Acid Lift Station #13, Brass Tag # ECOL 2367 (in closet), Area 6 Removed 11/25/2015	20150039.7	6	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-19	Removed Component	Area A	No Further Action *	0	Acid Lift Station #18, Brass Tag # ECOL 2370, Area 6 Removed 11/24/2015	20150039.8	6	1		1	1

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-19	Removed Component	Area A	No Further Action *		Acid Lift Station #19, Brass Tag # ECOL 2371, Area 6 Removed 11/24/2015						
						0		20150039.11	6	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-20	Removed Component	Area A	No Further Action *		Acid Lift Station #21 - Brass Tag # ECOL 2374, Area 6 Removed 11/24/2015						
						0		20150039.12	6	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-20	Removed Component	Area A	No Further Action *		Acid Lift Station #20, Brass Tag # ECOL 2375, Area 6 (previously removed prior to 11/15/15)						
						0		20150039.13	6	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-21	Removed Component	Area A	No Further Action *		Acid Lift Station #15, without Ecol Tag #, Area 6 Removed 11/24/2015						
						0		20150039.14	6	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 P8-P9	Removed Component	Area A	No Further Action *		Acid Lift Station #97, Area 18 Removed 2/22/2016						
						0		20150039.15	18	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 P-6	Removed Component	Area A	No Further Action *		Acid Lift Station #2, Area 21 Removed 2/24/2016						
						0		20150039.16	21	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 M-6	Removed Component	Area A	No Further Action *		Acid Lift Station #73, Area 23 Removed 2/24/2016						
						0		20150039.17	23	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-6	Removed Component	Area A	No Further Action *		Acid Lift Station #74, Area 24 Removed 1/14/2016						
						0		20150039.18	24	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 J-6	Removed Component	Area A	No Further Action *		Acid Lift Station #NA, Area 24 Removed 1/14/2016						
						0		20150039.19	24	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-6	Removed Component	Area A	No Further Action *		Trench (share trench) for previously removed Acid Lift Station #66, Area 24. Pit was cleaned, inspected and sampled on 1/20/2016.						
D/210 L C IW	Industrial Westernation I i Continue	D/210 D/ D7	Demond	A	No Fronthan Antion *	0	A -: 4 I : 0. Station #17, Arra 26, Demond 2/22/2016	20150039.21	24	1		1	1
B/310 LS IW	Industrial wastewater Lift Stations	B/310 D0-D7	Component	Area A	No Further Action *		Acid Lift Station #17, Area 26 Kemoved 2/25/2016						
		D/210 E 12				0		20150039.22	26	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-13	Removed Component	Area A	No Further Action *	0	Pit for previously removed Acid Lift Station #16, Area 29. Pit was cleaned and, inspected and sampled on 1/21/2016	20150039 23	29	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 S-8	Removed Component	Area A	No Further Action *	0	Acid Lift Station #3, Area 29. Removed prior to 11/25/2015	20100003.20	20				
1						0		20150039.24	29	0		1	1

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 T-8	Removed Component	Area A	No Further Action *		Acid Lift Station #4, Area 29. Removed prior to 11/25/2015						
						0		20150039.25	29	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-9	Removed Component	Area A	No Further Action *		Acid Lift Station #62, Area 30 Removed 1/14/2016						
						0		20150039.26	30	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 D-9 Janitor closet	Removed Component	Area A	No Further Action *		Acid Lift Station #NA, ECOL 2261 Area 30 Removed 1/19/2016						
						0		20150039.27	30	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-8	Removed Component	Area A	No Further Action *		Pit for previously removed Acid Lift Station #5, Area 30. Pit was cleaned and, inspected and sampled on 1/10/2016						
						0	1/19/2010	20150039.28	30	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 M-7	Removed Component	Area A	No Further Action *		Pit for previously removed Acid Lift Station #9, Area 30. Pit was cleaned and, inspected and sampled on 1/20/2016						
D/210 LC HV		D/210 AD 10			NE d A C *	0	A '11'0 0/ /' //7 A 21	20150039.29	30	1		1	1
B/310 LS IW	industrial wastewater Lift Stations	B/310 AD-10	Active	Area A	No Further Action *	0	Acid Lift Station #7, Area 51	20150039 31	31	0	Delayed to pre- demolition 2016	. 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AC-11	Active	Area A	No Further Action *	0	Acid Lift Station #76. Area 31	20130033.31	51	0	2017	'	0
						0		20150039 32	31	0	Delayed to pre- demolition 2016 2017	. 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AC-11	Active	Area A	No Further Action *	0	Acid Lift Station #77, Area 31	20100000.02	01		Delayed to pre- demolition 2016		
						0		20150039.33	31	0	2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AC-11	Active	Area A	No Further Action *		Acid Lift Station #78, Area 31				Delayed to pre- demolition 2016	i	
D (210 L C HIL		D/210 AD II				0		20150039.34	31	0	2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AD-11	Active	Area A	No Further Action *		Acid Lift Station #79, Area 31				Delayed to pre- demolition 2016		
						0		20150039.35	31	0	2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AD-12	Active	Area A	No Further Action *		Acid Lift Station #80, Area 31	00450000 00			Delayed to pre- demolition 2016		
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AC 12	Activo	Area A	No Further Action *	0	Acid Lift Station #81 Area 31	20150039.36	31	U	2017	1	0
D/310 L3 1W	industrial wastewater Lift Stations	B/510 AC-12	Acuve		No Futurer Action	0	And Lin Gallon #01, Alta 21	20150030 27	31	0	Delayed to pre- demolition 2016		0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AA-12	Active	Area A	No Further Action *	U	Acid Lift Station #82 Area 31	20100038.37	51	U	2017	· · ·	0
			neuve		uniter rienon	0		20150020 29	21	0	Delayed to pre- demolition 2016		

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AA-11	Active	Area A	No Further Action *	0	Acid Lift Station #83, Area 31	20150039.39	31	0	Delayed to pre- demolition 2016 2017	. 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AA-10	Active	Area A	No Further Action *		Acid Lift Station #84, Area 31	00450000 44			Delayed to pre- demolition 2016		
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 Y-10	Active	Area A	No Further Action *	0	Acid Lift Station ECOL# 2280, Area 31	20150039.41	31	0	Delayed to pre- demolition 2016		0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 T-10	Removed Component	Area A	No Further Action *	0	Acid Lift Station ECOL# 2275, Area 36 Removed 1/14/2016	20150039.42	31	0	2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 R-9	Removed Component	Area A	No Further Action *	0	Acid Lift Station #95, Area 37 Removed 2/22/2016	20150039.43	36	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 R-9	Removed Component	Area A	No Further Action *	0	Acid Lift Station #96, Area 37 Removed 1/14/2016	20150039.44	37	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-13	Removed Component	Area A	No Further Action *	0	Acid Lift Station #12, Area 49 Removed 2/24/2016	20150039.45	37	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-14	Removed Component	Area A	No Further Action *	0	Acid Lift Station #59, Area 52 Removed 2/22/2016	20150039.46	49	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-14	Removed Component	Area A	No Further Action *	0	Acid Lift Station #61, Area 52 Removed 2/22/2016	20150039.47	52	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 H-15	Removed Component	Area A	No Further Action *	0	Acid Lift Station, Area 52. Removed prior to 11/25/2015	20150039.48	52	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 H-17	Removed Component	Area A	No Further Action *	0	Acid Lift Station ECOL# 2377, Area 56 Removed 7/19/2016	20150039.49	52	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 G-17	Removed Component	Area A	No Further Action *	0	Acid Lift Station ECOL# 2376, Area 57 Removed 2/24/2016	20150039.51	56	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 D-19	Removed Component	Area A	No Further Action *	0	Acid Lift Station #49, Area 60 Removed 7/19/2016	20150039.52	57	1		1	1

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-19	Removed Component	Area A	No Further Action *		Acid Lift Station #71, Area 60 Removed 7/28/2016						
						0		20150039.54	60	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-20	Removed Component	Area A	No Further Action *		Acid Lift Station #50, Area 60 Removed 1/20/2016						
						0		20150039.55	60	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 D-20	Removed Component	Area A	No Further Action *		Acid Lift Station #48, Area 60 Removed 1/14/2016						
						0		20150039.56	60	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-19	Removed Component	Area A	No Further Action *		Pit for previously removed Acid Lift Station #32, Area 61. Pit was cleaned and, inspected and sampled on 1/18/2016						
D/2101CIW	Industrial Westman I in Stations	D/210 D 20		A A	No English Astion *	0	A 1110 000 1001 A 01 B 12/22/2010	20150039.57	61	1		1	1
B/310 LS IW	Industrial wastewater Lift Stations	(Eyewash)	Removed Component	Area A	No Further Action *		Acid Lift Station #91, Area 61 Removed 2/22/2016						
						0		20150039.58	61	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-20 (Eyewash)	Removed Component	Area A	No Further Action *		Acid Lift Station # 92, near Areas 33 & 34. Removed prior to 11/25/2015						
						0		20150039.59	61	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-19	Removed Component	Area A	No Further Action *		Acid Lift Station #90, Area 65 Removed 7/28/2016						
						0		20150039.61	65	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-21	Removed Component	Area A	No Further Action *		Acid Lift Station ECOL# 2468, Area 66 Removed 7/19/2016						
						0		20150039.62	66	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-23	Removed Component	Area A	No Further Action *		Acid Lift Station # 24, Area 68 Removed 8/18/2016						
						0		20150039.63	68	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-23 (West)	Removed Component	Area A	No Further Action *		Acid Lift Station #57, Area 69 Removed 1/13/2016						
						0		20150039.64	69	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 D-24	Removed Component	Area A	No Further Action *		Pit for previously removed Acid Lift Station #40, Area 69. Pit was cleaned, inspected and sampled on 1/13/2016						
						0	1/15/2010	20150039.65	69	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-24	Removed Component	Area A	No Further Action *		Covered pit for previously removed (unlabeled) Acid Lift Station, Area 69. Pit was cleaned, inspected and sampled on 9/6/2016	20150020.00	60	1			1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-24 (west)	Removed	Area A	No Further Action *	0	Pit for previously removed Acid Lift Station #42	∠0150039.66	69	1		1	1
			Component			0	Area 70. Pit was cleaned and, inspected and sampled on 1/13/2016	20150039.67	70	1		1	1

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-24 (east)	Removed Component	Area A	No Further Action *	0	Pit for previously removed Acid Lift Station (unlabeled), Area 70. Pit was cleaned and, inspected and sampled on 1/13/2016	20150039.68	70	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 A-24	Removed Component	Area A	No Further Action *	0	Pit for previously removed Acid Lift Station #42, Area 70. Pit was cleaned and, inspected and sampled on 1/13/2016	20150039.69	70	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-25 (east)	Removed Component	Area A	No Further Action *	0	Pit for previously removed Acid Lift Station #45, Area 70. Pit was cleaned and, inspected and sampled on 1/13/2016	20150039.71	70	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-25	Removed Component	Area A	No Further Action *	0	Small pits for two previously removed unknown Acid Lift Stations, Area 70. Both pits were cleaned, inspected and sampled on 1/18/2016	20150039.72 20150039.73	70	2		2	2 2
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-25	Removed Component	Area A	No Further Action *	0	Pit for previously removed Slurry Lift Station #3, Area 70. Pit was cleaned and, inspected and sampled on 1/18/2016	20150039.74	70	1		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 C-25 (east)	Removed Component	Area A	No Further Action *	0	Acid Lift Station #47, Area 70. Removed prior to 11/25/2015	20150039.75	70	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 E-25	Removed Component	Area A	No Further Action *		Acid Lift Station ECOL# 2477, Area 72 Removed 7/19/2016	20150020.76	70	1			1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-27	Active	Area A	No Further Action *		Acid Lift Station #68, Area 76 Model Shop	20150033.70	76		To Remain in		
B/310 LS IW	Industrial Wastewater Lift Stations	B310A	Active	Area A	No Further Action *	0	Acid Transfer Pump #1, Area 77, Lift pump for B310A tanks (SWMUs 3129 and 3134)	20150039.77	77	0	Delayed to pre- demolition 2016	i, 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B310A	Active	Area A	No Further Action *	0	Acid Transfer Pump #2, Area 77, Lift pump for B310A tanks (SWMUs 3129 and 3134)	20150039 79	77	0	Delayed to pre- demolition 2016	i. 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B310A	Active	Area A	No Further Action *	0	Acid Transfer Pump #3, Area 77, Lift pump for B310A tanks (SWMUs 3129 and 3134)	20150039.81	77	0	Delayed to pre- demolition 2016 2017	i 1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 R-7	Active	Area A	No Further Action *	0	Acid Lift Station #101, MER at R7	20150039.82	MER at R7	0	Delayed to pre- demolition 2016 2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 B-11	Active	Area A	No Further Action *	0	Acid Lift Station #100, MER at B10	20150030 83	MER at	0	Delayed to pre- demolition 2016		0

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B/310 LS IW	Industrial Wastewater Lift Stations	B/310 AA-8 MQA Storage	Active	Area A	No Further Action *		Acid Lift Station #6, Near Area 28				Delayed to pre- demolition 2016		
						0		20150039.84	Near 28	0	2017	1	0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 Y-9 Housekeeping Room	Active	Area A	No Further Action *		Acid Lift Station ECOL# 2277, Near Area 28				Delayed to pre- demolition 2016		
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 D-11 Sub-slab vapor recovery system room servicing SWMU 4038	Active	Area A	No Further Action *	0	Acid Lift Station #23, Near Area 30	20150039.85	Near 28	0	Delayed to pre- demolition 2016		0
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 X-10	Removed Component	Area A	No Further Action *	0	Acid Lift Station ECOL# 2304, Near Area 33 Removed 1/14/2016	20150039.86	Near 30	0	2017	1	0
			•					00450000 07					
B/310 I S IW	Industrial Wastewater Lift Stations	B/310 V 10	Domovod	Area A	No Further Action *	0	Acid Lift Station # 03 near Areas 33 & 34	20150039.87	Near 33	1	-	1	1
B/910 L3 IW	industrial wastewater Ent Stations	D/510 X-10	Component		No Furnici Action		Removed prior to 11/25/2015		Near 33 &				
						0		20150039.88	34	0		1	1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 X-10	Removed Component	Area A	No Further Action *	0	Acid Lift Station # 35, near Areas 33 & 34. Removed prior to 11/25/2015	20150020 80	Near 33 &	0			1
B/310 LS IW	Industrial Wastewater Lift Stations	B/310 F-17	Removed Component	Area A	No Further Action *	0	Acid Lift Station ECOL# 2263, Near Area 52 Removed 2/24/2016	20150039.89	34				
B/310 LS SO	Solvent Waste Lift Stations	B/310	Active	Area A	No Further Action *	0	Solvent Waste Lift Stations (various, within building 310). Individual SO lift stations within Building 310 are listed below as components of B/310 LS	20150039.91	Near 52	1	Portions delayed to pre- demolition 2016	1	1
						1	so.	20150040.00	NA	0	2017	NA	NA
B/310 LS SO	Solvent Waste Lift Stations	B/310 H-24	Removed Component	Area A	No Further Action *	0	Solvent Lift Station, Brass Tag # ECOL 2363, Area 1 (inlet pipe previously removed, inlet capped) Removed 1/4/2016	20150040.1	1	1		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 G-4.5	Removed Component	Area A	No Further Action *		Solvent Lift Station #3, Area 4. Removed prior to 11/25/2015						
						0		20150040.2	4	0		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 H-4.5	Removed Component	Area A	No Further Action *		Solvent MW (mixed waste) Lift Station #2, Area 4 Removed prior to 11/25/2015						
						0		20150040.3	4	0		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 H-4.5	Removed Component	Area A	No Further Action *		Solvent Lift Station #1, Area 4 Removed prior to 11/25/2015						
						0		20150040.4	4	0		1	1

SWMU Closure Report DCAP End of Life Project GLOBALFOUNRIES US 2 LLC Fab 10 Facility Hopewell Junction, New York

Table II-1 Solid Waste Management Units

UNIT ID #	DESCRIPTION	LOCATION	STATUS	GW REMEDIATION AREA?*	RCRA STATUS	SWMU Count	DESCRIPTION (TANK, SUMP, CONTAINMENT, SYSTEM; SIZE; CONTENT)	SWMU Checklist Index Number	DCAP EOL Work Area	Total SWMU Components for 100% Removal in DCAP EOL Project	Comments	Total SWMU and SWMU Components Indexed	Finished
B/310 LS SO	Solvent Waste Lift Stations	B/310 A-2.5	Trench Closure Incomplete	Area A	No Further Action *		Trench for previously removed solvent Lift Station #11 (drain pipe in trench), Area 13. Trench was cleaned and inspected on 1/21/2016 and verified pH neutral and debris free. Trench failed integrity inspection on 6/6/2016 based on minor to significant visible erosion of epoxy cement liner. Representative core samples (July-August 2016) analyzed for solvents confirm liner failure within a 3 ft. section based on presence of trace IPA (45 ppm) in underlying concrete.				Trace level of IPA in concrete beneath epoxy liner indicates		
						0		20150040.5	13	0	investigation.	1	0
B/310 LS SO	Solvent Waste Lift Stations	B/310 A-1	Removed Component	Area A	No Further Action *		Trench for previously removed solvent Lift Station #13 (drain pipe in trench), Area 13. Trench was cleaned and inspected on 1/21/2016 and verified pH neutral and debris free. Trench failed integrity inspection on 6/6/2016 based on minor visible erosion of epoxy cement liner. Representative core samples (July 28 2016) analyzed for solvents confirm clean closure due to absence of residual solvents in the liner and underlying concrete.				Trench is debris free and not impacted with hazardous wastes based on sambling		
						0		20150040.6	13	1	and analysis.	1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 F-8	Removed Component	Area A	No Further Action *	0	Pit for previously removed solvent Lift Station #6, Area 30. Pit was cleaned and, inspected and sampled on 1/19/2016	20150040.7	30	1		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 G-9	Removed Component	Area A	No Further Action *	0	Pit for previously removed solvent-SM (solvents mixed) Lift Station, Area 30. Pit was cleaned and, inspected and sampled on 1/19/2016	20150040.8	30	1		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 M-7	Removed Component	Area A	No Further Action *	0	Previously removed solvent-MW (mixed waste) Lift Station, Area 30.	20150040 9	30	1		1	1
B/310 LS SO	Solvent Waste Lift Stations	B/310 D-22	Removed Component	Area A	No Further Action *		Solvent Lift Station stored on floor/No label Removed 1/13/2016	20100010.0		-			
B/310 LS SO	Solvent Waste Lift Stations	B/310 X-10	Removed Component	Area A	No Further Action *	0	 4 Solvent (unlabeled) Lift Stations, near Areas 33 & 34. Removed prior to 11/25/2015 	20150040.11 20150040.12 20150040.13 20150040.14 20150040.15	64 Near 33 & 34	0		1	1
B310-SO (2)	Solvent Waste Transfer Piping	B/310	Active	Area A	No Further Action *		Includes all above ground solvent waste transfer piping within B/310.	20150041.0	NA	0	Portions delayed to pre- demolition 2016 2017		

SWMU Closure Report DCAP End of Life Project GLOBALFOUNRIES US 2 LLC Fab 10 Facility Hopewell Junction, New York

Note: Initial excerpt from Part 373 Module II 20110606 (pages II-2 through II-22 accessible SWMUS and Page II-36 for inaccessible SWMUs)

Table II-1 Solid Waste Management Units

UNIT ID #	DESCRIPTION	LOCATION	STATUS	GW	RCRA STATUS	SWMU	DESCRIPTION (TANK, SUMP,	SWMU	DCAP	Total SWMU			
				REMEDIATION		Count	CONTAINMENT, SYSTEM; SIZE;	Checklist Index	EOL Work	Components for		Total SWMU	
				AREA?*			CONTENT)	Number	Area	100% Removal in		and SWMU	
										DCAP EOL		Components	
										Project	Comments	Indexed	Finished
B310-FL (2)	Fluoride/Heavy Metals Wastewater	B/310	Active	Area A	No Further Action *		Includes all above ground Fluoride/Heavy						
	Transfer Piping						metal waste transfer piping within B/310.				Portions		
											delayed to pre-		
											demolition 2016	4	
						1		20150042.0	NA	0	2017	1	0
B310-FL (2)	Fluoride/Heavy Metals Wastewater	B/310 F18-J18	Active	Area A	No Further Action *		Covered Concrete Trench in Aisle 18, F18-J18						
	Transfer Piping						through outer wall to underground fluoride/heavy						
							metal wastewater transfer piping. Fluoride/heavy						
							metal wastewater transfer pipe was previously				Trench closure		
							removed from concrete trench prior to				delayed to pre-		
							11/15/2015.		Hallway at		demolition 2016	4	
						0		20150042.0	Area 6	0	2017	NA	. 0
B310-IW (2)	Industrial Wastewater Transfer Piping	B/310	Active	Area A	No Further Action *		Includes all above ground Industrial waste				Destination		
							transfer piping within B/310.				Portions dolayed to pro		
											demolition 2016		
						1		20150043 0	ΝΔ	0	2017	1	0
			1	1	1	1 1		20100040.0	INA I	0	2011	1 1	0

8

2

Total SWMU Components Removed in DCAP Project Total Indexed 73 123 Total SWMU Components Removed Before and During DCAP

94 Percent Complete thru DCAP 76%

Total Active SWMUs in B 310 at Start of DCAP

Total Active SWMUs in B 310A at Start of DCAP

Total SWMUs Completely Closed/Removed During DECAP 1 6

Total SWMUs Partially Closed/Removed During DECAP

Table 2

Facilities Receiving Decontaminated SWMU Components, DCAP Packaging End of Life Project

Table 2 Facilities Receiving Decontaminated Non-Hazardous SWMU Components

SWMU Closure Report DCAP End of Life Project GLOBALFOUNDRIES US 2 LLC Fab 10 Facility Hopewell Junction, New York

Vendor	Materials Managed	Method	Transporter
Millens Metal Recycling 4 Kieffer Lane Kingston, NY 12401	Scrap Metal	Recycle	Millens
Seneca Meadows Landfill 1786 Salcman Road Waterloo, NY 13165	Non-Metal Debris	Landfill	Royal
Ontario County Landfill 1879 State Route 5 and 20, Stanley, NY 14561	Non-Metal Debris	Landfill	Royal
Dutchess County Resource Recovery Facility 96 Sand Dock Rd Poughkeepsie, NY 12601	Non-Metal Debris	Waste to Energy Facility	Royal

FIGURES





AREAS OF WORK

- MLC DCAP WET LAB
- **DICE & PICK PACKAGING**
- MLC STORAGE
- LASERS & OVENS PACKAGING
- **SURFACE PROFILE PACKAGING LAM LINE**
- **BALZER PACKAGING** 6
- **BALZER PACKAGING (ARCHIVES STORAGE)**
- **BALZER PACKAGING (ARCHIVES STORAGE)**
- **EES/SRDC**
- 10 DCAP
- **ICP DCAP** 11
- 12 CORE AREA PACKAGING LAM LINE
- **13 BOWL CLEANER**
- **UNKNOWN (FACILITIES MEDICAL STORAGE)** 14
- **15 C4 MAINTENANCE PACKAGING**
- 16 SERVER LAB
- **17 SRDC SEM LAB**
- **18 CHEM MIX ROOM**
- **19 SRDC**
- 20 NOT USED
- NOT USED 21
- **300 MM WAFER STORAGE** 22
- **UNKNOWN (FAC FURNITURE STORAGE)**
- **MASK HOUSE PACKAGING** 24
- SERIALIZATION FOR PACKAGING 25
- **ICP PACKAGING MLC**
- MLC POWDER STORAGE 27
- ANALYTICAL SERVICES LAB 28
- ANALYTICAL SERVICES LAB 29
- **30 EBEAM**
- ISC MQA LAB CHEM LAB PACKAGING SUPPORT 31
- **APPLIED MATERIALS** 32
- EEEC STORAGE 33
- **DROP AREA** 34
- ISC MQA LAB STORAGE 35
- **TOXIC GAS DRY LAB** 36
- **C4 PLATING MLC PACKAGING** 37
- **NOT USED** 38
- **300 MM STORAGE**
- **RGA STORAGE** 40
- 41 NOT USED
- **UNKNOWN (MLC IT SUPPORT)**
- **ISC WAFER STORAGE MLC STORAGE**
- 44 UNKNOWN (TEMCO)
- UNKNOWN 45
- **UNKNOWN (TEMCO) 46**
- **UNKNOWN (FURNITURE STORAGE)** 47
- **UNKNOWN (FASTENAL/FLUOR MAINTENANCE)**
- UNKNOWN 49
- **IGS STORAGE** 50
- **TOXIC GAS ROOM** 51
- ICP / C4/MLC DCAP 52
- **NOT USED** 53
- **NOT USED** 54
- **ISC 300 MM WAFER STORAGE** 55
- **MODEL SHOP** 56
- **MODEL SHOP** 57
- **NOT USED 58**
- **59 NOT USED**



Attachments

- A Solid Waste Management Unit Closure Checklists
- B Solid Waste Management Unit Decontamination Verification Tables
- C Analytical Data Tables and Reports for Trenches in Solvent Room and Corrosives Room – SWMU Lift Stations

Attachment A

Solid Waste Management Unit

Closure Checklists



			SOL	ID WASTE M	ANAGE	MENT UN LIST	IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-24	Project Area	NA	Index #	20150036		
SWMU Name:	SWMU Name:		3135								
SWMU Description: Fluoride/Heavy Metals Wastewa			tals Wastewat	er							
SWMU Component: Fluoride/Heavy Metals Wastewat pit), CS 3135				er Lift Station, 300 gal. PVC/Crete Pump Tank (in concrete							
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			x						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Flushed and Drained								Pass	IBM WWTP		
4. Solid Residuals Removed								Pass	IBM WWTP		
5.Tank/Pipes Visually Inspected for Integrity					х			Pass			
6.Tank/Pipes Sampled for Surface pH					х			Pass			
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA			
8.Spill Containment Pit/Trench Visually Inspected for Integrity					х			Pass			
9.Spill Containment Pit/Trench Sampled for Surface pH					х			Pass			
10.Spill Containment Pit/Trench Sampled for Other Constituents							х	NA			
11. SWMU Tank/Pipes Approved and Removed From Facility					х				See Note	Millens	
12. SWMU Containment Pit/Trench Approved for Backfill in Place											
				Closure and	Removal	Dates	1				
1. Date Tank/Pip	es Verified Clea	an for Scrap	Recycling		6/8/2016						
2. Date Containr	nent Pit/Trench	Verified Cle	an	1	6/2/2016						
3. SWMU Status (Removed, Component Removed, Closed in Place)		Componen	t Removed	Status Change Date:	6/8/	2016					
Pictures:	Attached				-		-				
Data:	Table 5	able 5									
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station tank demolition and decontamination. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolitior debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY. Secondary containment pit was pressure washed and dried, pH verified, and visually inspected to verify general integrity and debris-free condition.									tion of lift cycling, nd demolition condary lebris-free	
Signa	ature	Christopher Doldsmith									
ARCADIS Representative		Christopher Goldsmith									

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU 3135 - Fluoride/Heavy Metals Lift Station Tank Area 70, Lift Station at B-24, Index No. 20150036 – Clean Removal of Tank and Above Grade Components Verified 6/8/2016

Pre-Removal View of Cover on PVC Tank in Concrete Pit



Pre-Removal



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU 3135 - Fluoride/Heavy Metals Lift Station Tank Area 70, Lift Station at B-24, Index No. 20150036 – Neutral and Debris Free Removal Verified 6/8/2016

Decontaminated PVC Tank Removed and Demolished for Disposal



Decontaminated Tank Cover Ready for Scrap Metal Recycling



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU 3135 - Fluoride/Heavy Metals Lift Station Tank Area 70, Lift Station at B-24, Index No. 20150036 – Pit Inspected and Sampled 6/2/2016

Decontaminated Concrete Secondary Containment Pit



Decontaminated Concrete Secondary Containment Pit



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IIT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-4.5	Project Area	4	Index #	20150038.1		
SWMU Name: B/310 LS FL											
SWMU Description: Fluoride/Heavy Metals Lift Station					ns						
SWMU Component: Pit for previously removed Fluori					ide Lift St	ation #22					
Decommissioning Record											
Environmental Items:					Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Taken Post-Decontamination					х						
3. Fluids Drained	3. Fluids Drained						x	Pass	IBM WWTP		
4. Solid Residua	4. Solid Residuals Removed						X	NA	NA		
5.Tank/Pipes Visually Inspected for Integrity							x	NA			
6.Tank/Pipes Sa	mpled for Surfa	се рН					X	NA			
7.Tank/Pipes Sa	7.Tank/Pipes Sampled for Other Waste Constituents						x	NA			
8.Spill Containment Pit/Trench Visually Inspected for Integrity					х			Pass			
9.Spill Containment Pit/Trench Sampled for Surface pH					х			Pass			
10.Spill Containment Pit/Trench Sampled for Other Constituents							x	NA			
11. SWMU Tank/Pipes Approved and Removed From Facility							x				
12. SWMU Containment Pit/Trench Approved for Backfill in Place											
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	NA						
2. Date Containn	nent Pit/Trench	Verified Clea	an		1/19/2016						
3. SWMU Status (Removed, Component Removed, Closed in Place) Component Removed Date:				1/19/2016							
Pictures:	Attached										
Data:	Table 14	le 14									
Notes:	Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.										
Signature		Christopher Goldsmith									
ARCADIS Representative		Christopher Goldsmith									

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #22 Area 4, Pit for Previously Removed Lift Station at G-4.5, Index No. 20150038.1 – Inspected and Sampled on 1/19/2016

Previously Removed Lift Stations



Decontaminated Pit


			SOI	ID WASTE M CLOSURE	ANAGEN CHECKI	IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-5	Project Area	4-24	Index #	20150	038.2
SWMU Name:	ł	B/310 LS	FL							
SWMU Descri	ption:	Fluoride/I	Heavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Pit for pre	eviously r	emoved Fluori	ide Lift St	ation #23				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	b						х	Pass	IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity								Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass		
10.Spill Contain	ment Pit/Trench	Sampled fo	or Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	x					
				Closure and	Removal	Dates	1			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	N	IA				
2. Date Containn	nent Pit/Trench	Verified Cle	an	1	1/20	/2016				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/20	/2016				
Pictures:	Attached									
Data:										
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	t was press to verify ge	sure washed and one rail integrity and	dried, teste d debris-fre	d for pH wit e condition	th Hydrion t	est strips to	verify neutral r	ange (pH 5-
Signa	Signature Christopher Loldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #23 Area 4-24, Lift Station at G-5, Index No. 20150038.2 – Inspected and Sampled 1/20/2016

Previously Removed Lift Stations





			SO	LID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-19	Project Area	6	Index #	20150	038.3
SWMU Name:	:	B/310 LS	FL							
SWMU Descri	iption:	Fluoride/H	leavy Me	etals Lift Station	ns					
SWMU Comp	onent:	Fluoride I	ift Statio	on #5 - Brass Ta	ag # ECO	L 2368				
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						x	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		X			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			x			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity			x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	Х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates	-			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispo	sal	11/24	/2015				
2. Date Containn 3. SWML (Removed, Co	nent Pit/Trench J Status Component	Verified Cle	an t Removed	Status Change Date:	11/24	IA I/2015				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris atling and de Plastic comp rted to the S	s free conc contamina conents we eneca Mea	lition and pH verif tion. Metal was se ere separated and adows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non- tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Yoldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station # 5 Area 6, Lift Station at F-19, Index No. 20150038.3 – Clean Removal Verified 11/24/2015



Pre-Removal



			SO	LID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-19	Project Area	6	Index #	20150	0038.4
SWMU Name:		B/310 LS	FL	-				•		
SWMU Descri	iption:	Fluoride/H	leavy Me	etals Lift Station	ns					
SWMU Comp	onent:	Fluoride L	ift Static	on #6 - BrassTa	g # ECOL	2369				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	'		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	H			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispo	sal	1/4/	2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free conc contamina conents we eneca Mea	lition and pH verif tion. Metal was se ere separated and adows Landfill, Wa	fication with parated an disposed v aterloo, NY	h Hydrion te d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, 1d demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station # 6 Area 6, Lift Station at G-19, Index No. 20150038.4 – Clean Removal Verified 1/4/2016



Pre-Removal



			SO	LID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-20	Project Area	6	Index #	20150	038.5
SWMU Name:	-	B/310 LS	FL	-			-			
SWMU Descri	ption:	Fluoride/H	leavy Me	etals Lift Station	ns					
SWMU Comp	onent:	Fluoride L	ift Statio	on #7 - BrassTa	g # ECOL	2372				
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	t				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	H			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates	T			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispo	sal	1/4/	2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an	-	Ν	A				
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debri tling and de Plastic comp rted to the S	s free conc contamina conents we reneca Mea	lition and pH verif tion. Metal was se ere separated and adows Landfill, Wa	fication with parated an disposed v aterloo, NY	h Hydrion te d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	d upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, Id demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #7 Area 6, Lift Station at G-20, Index No. 20150038.5 – Clean Removal Verified 11/24/2015

Pre-Removal



			SO	LID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-20	Project Area	6	Index #	20150	0038.6
SWMU Name:		B/310 LS	FL					-		
SWMU Descri	ption:	Fluoride/H	leavy Me	etals Lift Station	ns					
SWMU Comp	onent:	Fluoride I	_ift Statio	on #8 - Brass Ta	ag # ECO	L 2373				
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	b				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for I	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	H			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates	T			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispo	sal	1/4/	2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an	•	Ν	A				
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:										
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debri atling and de Plastic comp rted to the S	s free conc contamina conents we seneca Mea	lition and pH verif tion. Metal was se ere separated and adows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion te d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #8 Area 6, Lift Station at G-20, Index No. 20150038.6 – Clean Removal Verified 1/4/2016



Pre-Removal



			SO	LID WASTE M	IANAGEI CHECKI		IIT			
	IBM/GF,									
Site Name & Location	East Fishkill, NY	Building	310	Column References	B-2	Project Area	13	Index #	20150	038.7
SWMU Name	:	B/310 LS	FL							
SWMU Descr	iption:	Fluoride/I	Heavy Mo	etals Lift Statio	ons					
SWMU Comp	onent:	Fluoride I	Lift Statio	on #28						
		-		Decommiss	ioning Re	ecord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Deconta	mination			х					
2. Pictures Take	n Post-Deconta	amination			х					
3. Fluids Draine	d				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	Tank/Pipes Visually Inspected for Integrity X Pass Tank/Dipes Sampled for Surface pH X Deep									
6.Tank/Pipes Sa	Tank/Pipes Sampled for Surface pH X Pass Pass									
7.Tank/Pipes Sampled for Other Waste Constituents X NA NA										
8.Spill Containm	nent Pit/Trench	Visually Ins	pected for	Integrity		х		Fail		
9.Spill Containm	nent Pit/Trench	Sampled for	r Surface p	Н	х			Pass		
10.Spill Contain	ment Pit/Trencl	h Sampled f	or Other C	onstituents	х			Pass		
11. SWMU Tank	/Pipes Approve	ed and Remo	ved From	Facility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Tre	nch Approv	ed for Bac	kfill in Place	х					
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	contaminate	d for Dispo	osal	1/20/	/2016				
2. Date Contain	nent Pit/Trench	NVerified Cle	ean		1/20/	/2016				
3. SWML (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removec	Status Change Date:	9/9/:	2016				
Pictures:	Attached									
Data:	Table 13									
Diaphragm pump and HDPE lift station sump were removed, partially dismantled, and decontaminated. Secondary containment pit for sump tank and floor trench for drain pipes were pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5-8), and visually inspected to verify general integrity and debris-free condition on 1/20/2016. Drain pipes in trench were flushed with facility water and were verified to be debris free and tested with Hydrion pH test strips to verify neutral range (pH 5-8) on 1/20/2016. Decontaminated steel drain pipes were recycled at Millens Metal Recycling, Kingston, NY. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY. Trench failed integrity inspection on 6/6/2016 based on minor visible erosion of epoxy cement liner. Representative core samples through the most eroded trench liner sections, and a background sample of the slab, were collected (July 28 2016) and analyzed for eight RCRA metals and other inorganic constituents. All results were similar to background. The RCRA metal concentrations detected in the samples were below any levels that may be indicative of a possible hazardous "D" waste based on a "Rule of 20" comparisor to the "Maximum Concentration of Contaminants for the Toxicity Characteristic" (40 CFR 261.24).									y h Hydrion ion on h Hydrion pH s Metal NY. Plastic transported y inspection eroded RCRA metals ed in the comparison	
Signa	ature				Christo	pher Do	oldsmith			
ARCADIS Re	presentative				Chris	stopner Gol	usmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station # 28 Area 13, Lift Station at B-2, Index No. 20150038.7 – Clean Removal Verified 1/20/2016

Pre-Removal Diaphragm Pump



Decontaminated Pump



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station # 28 Area 13, Lift Station at B-2, Index No. 20150038.7 Clean Removal Verified 1/20/16

Sump Liner Pre-Removal





Decontaminated Sump Liner and Sump Pump



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station # 28 Area 13, Lift Station at B-2, Index No. 20150038.7 – Debris-Free Trench Verified 1/20/2016 Failed Integrity Inspection 6/6/2016, Trench Bottom Sampled 7/28/16, PID Readings Attributable to Epoxy Cement Lining Heated by Drill Bit Friction

Decontaminated Trench

Decontaminated Trench as Sampled





			SOL	ID WASTE M	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-6	Project Area	24	Index #	2015	0038.8
SWMU Name:	1	B/310 LS	FL							
SWMU Descri	ption:	Fluoride/ŀ	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Pit for pre	viously r	emoved Fluori	de Lift St	ation #24				
				Decommiss	ioning Re	cord				
Environmental If	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	t						х	NA	NA	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	ually inspected	l for Integrity	1				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA		
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity								Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass		
10.Spill Containr	ment Pit/Trench	Sampled for	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place	х					
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	N	A				
2. Date Containn	nent Pit/Trench	Verified Clea	an		1/20	/2016				
3. SWMU (Removed, C Removed, Clo) Status Component sed in Place)	Component	Removed	Status Change Date:	1/20/	/2016				
Pictures:	Attached									
Data:	Table 6									
Notes:	Secondary cor 8), and visually	itainment pit / inspected t	was press o verify ge	ure washed and oneral integrity and	dried, teste d debris-fre	d for pH wit e condition	th Hydrion t	est strips to	verify neutral	range (pH 5-
Signa	Signature Christopher Loldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #24 Area 24, Pit for Previously Removed Lift Station at G-6, Index No. 20150038.8 – Inspected and Sampled on 1/20/2016

Previously Removed Lift Stations







			SOL	ID WASTE M	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-8	Project Area	30	Index #	2015	0038.9
SWMU Name:	1	B/310 LS	FL				-	-		
SWMU Descri	ption:	Fluoride/H	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Pit for pre	viously r	emoved Fluori	ide Lift St	ation #4				
		<u> </u>		Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	t						х	NA	NA	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	ually inspected	I for Integrity	1				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA		
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity								Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass		
10.Spill Containr	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	ich Approve	d for Backf	ill in Place	х					
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Ν	A				
2. Date Containn	nent Pit/Trench	Verified Clea	an		1/19	/2016				
3. SWMU (Removed, C Removed, Clo) Status Component sed in Place)	Component	t Removed	Status Change Date:	1/19/	/2016				
Pictures:	Attached									
Data:	Table 9									
Notes:	Secondary cor 8), and visually	itainment pit / inspected t	∷was press o verify ge⊧	ure washed and oneral integrity and	dried, teste d debris-fre	d for pH wit e condition	th Hydrion t	est strips to	verify neutral	range (pH 5-
Signa	Signature Christopher Loldsmith									
ARCADIS Rep	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #4 Area 30, Pit for Previously Removed Lift Station at F-8, Index No. 20150038.9 – Inspected and Sampled on 1/19/2016

Previously Removed Lift Station-Far Left-Stainless Steel Lined Pit





			SOI	LID WASTE M CLOSURE	ANAGEN CHECKI	IENT UN	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-9	Project Area	30	Index #	20150	038.11
SWMU Name:		B/310 LS	FL				-			
SWMU Descri	iption:	Fluoride/H	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Pit for pre	eviously r	emoved Fluori	de Lift St	ation #15				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d						х	NA	NA	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	/				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					x	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity								Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	4	X			Pass		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			X	NA		ļ
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			X			ļ
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	X					
				Closure and	Removal	Dates	1			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Ν	IA				
2. Date Containn	nent Pit/Trench	Verified Cle	an	r	1/19/	/2016				
3. SWMU (Removed, C Removed, Clo	Component sed in Place)	Componen	t Removed	Status Change Date:	1/19/	/2016				
Pictures:	Attached									
Data:	Table 9									
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	t was press o verify ge	sure washed and one and	dried, teste d debris-fre	d for pH wit e condition	th Hydrion t	est strips to	verify neutral	range (pH 5-
Signa	ature				Christo	pher Go	oldsmith			
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #15 Area 30, Pit for Previously Removed Lift Station at G-9, Index No. 20150038.11 – Inspected and Sampled on 1/19/2016

Previously Removed Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN CHECK	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-8	Project Area	30	Index #	20150	038.12
SWMU Name	:	B/310 LS	FL						•	
SWMU Descr	iption:	Fluoride/H	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Previousl	y remove	d Fluoride Lift	Station #	±11				
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Draine	d						x	NA		
4. Solid Residua	als Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	l for Integrity	,				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA		
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				x	NA		
8.Spill Containn	nent Pit/Trench	Visually Insp	ected for li	ntegrity	х			Pass		
9.Spill Containn	nent Pit/Trench	Sampled for	Surface pH	I			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			x	NA		
11. SWMU Tank	Pipes Approve	d and Remov	ed From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Contain	ment Pit/Trench	Verified Clea	an		١	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	Removed	Status Change Date:	11/2	5/2015				
Pictures:	Attached									
Data:										
Notes:	Fluoride lift sta	tion was rer	noved prio	r to B310 SWMU	inventory r	econnaissa	nce on 11/2	5/2015.		
Signa	ature				Ray	imond S	Карр			
ARCADIS Representative Raymond Kapp										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #11 Area 30, Lift Station at G-8, Index No. 20150038.12 – Removed Prior to 11/25/2015, Secondary Pit Inspected and Sampled 1/19/16

Previously Removed Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN CHECK	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-15	Project Area	52	Index #	20150	038.15
SWMU Name	:	B/310 LS	FL						•	
SWMU Descr	iption:	Fluoride/H	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Previousl	y remove	d Fluoride Lift	Station					
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	I			x					
3. Fluids Draine	d						x	NA		
4. Solid Residua	als Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA		
8.Spill Containm	nent Pit/Trench	Visually Insp	ected for li	ntegrity			х	NA		
9.Spill Containn	nent Pit/Trench	Sampled for	Surface pH	l			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank	Pipes Approve	d and Remov	ved From F	acility			x			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Contain	nent Pit/Trench	Verified Clea	an		N	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	Removed	Status Change Date:	11/2	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Fluoride lift sta	ation was rer	noved prio	r to B310 SWMU i	inventory r	econnaissa	nce on 11/2	5/2015.		
Signa	ature				Ray	imond .	Карр			
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station - Unlabeled Area 52, Lift Station at G15, Index No. 20150038.15 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOI	ID WASTE M	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-20	Project Area	60	Index #	20150	038.16
SWMU Name:		B/310 LS	FL			•	•			
SWMU Descri	iption:	Fluoride/H	leavy Me	tals Lift Statio	ns					
SWMU Comp	onent:	Pit for pre	viously r	emoved Fluori	de Lift St	ation #14				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d						х	NA	NA	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity	X			Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х			
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	fill in Place	X					
				Closure and	Removal	Dates	T			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Ν	IA				
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/20/	/2016				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/20	/2016				
Pictures:	Attached									
Data:										
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	t was press o verify ge	sure washed and one and	dried, teste d debris-fre	d for pH wit e condition	h Hydrion t	est strips to	verify neutral i	range (pH 5-
Signa	Signature Christopher Yoldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #14 Area 60, Pit for Previously Removed Lift Station at E-20, Index No. 20150038.16 – Inspected and Sampled on 1/20/2016

Decontaminated Pit for Previously Removed Lift Station



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST												
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-19	Project Area	60	Index #	20150038.17			
SWMU Name:	ł	B/310 LS	FL									
SWMU Descri	ption:	Fluoride/I	Heavy Me	tals Lift Statio	ns							
SWMU Comp	onent:	Pit for pre	eviously r	emoved Fluori	de Lift St	ation						
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	b						х	NA	NA			
4. Solid Residua	Is Removed						х	NA	NA			
5.Tank/Pipes Visually Inspected for Integrity							х	NA				
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA				
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for I	ntegrity	X			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	X			Pass				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х					
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	Х							
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Ν	IA						
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/18	/2016						
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/18	/2016						
Pictures:	Attached											
Data:	Table 12											
Notes:	Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.											
Signa	iture				Christopher Holdsmith							
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station - Unlabeled Area 61, Pit for Previously Removed Lift Station at B-19, Index No. 20150038.17 – Inspected and Sampled on 1/18/2016

Previously Removed Lift Station





SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST												
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-24	Project Area	69	Index #	20150038.18			
SWMU Name:	ł	B/310 LS	FL									
SWMU Descri	ption:	Fluoride/I	Heavy Me	tals Lift Statio	ns							
SWMU Comp	onent:	Pit for pre	eviously r	emoved Fluori	ide Lift St	ation #13						
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	b						х	NA	NA			
4. Solid Residua	Is Removed						х	NA	NA			
5.Tank/Pipes Visually Inspected for Integrity							х	NA				
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA				
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity	х			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х					
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	X							
				Closure and	Removal	Dates	1					
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	N	A						
2. Date Containn	nent Pit/Trench	Verified Cle	an	1	1/18	/2016						
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/18	/2016						
Pictures:	Attached											
Data:	Table 4											
Notes:	Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.											
Signature				Christopher Goldsmith								
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #13 Area 69, Pit for Previously Removed Lift Station at E-24, Index No. 20150038.18 – Inspected and Sampled on 1/18/2016

Previously Removed Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN	/IENT UN _IST	IT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-24	Project Area	70	Index #	20150	20150038.19		
SWMU Name	:	B/310 LS	FL									
SWMU Descr	iption:	Fluoride/I	leavy Me	tals Lift Station	ns							
SWMU Comp	onent:	Previous	y Remove	ed Fluoride Lif	t Station	#41						
				Decommiss	ioning Re	cord						
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination				х						
2. Pictures Take	n Post-Remova	1			х							
3. Fluids Draine	d						х	NA	NA			
4. Solid Residua	Is Removed						x	NA	NA			
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				X	NA				
6.Tank/Pipes Sa	mpled for Surfa	ice pH					X	NA				
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				X	NA				
8.Spill Containm	ient Pit/Trench	Visually Insp	ected for Ir	ntegrity			X	NA				
9.Spill Containm	tent Pit/Trench	Sampled for	Surface pH	1			X	NA				
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents			X	NA				
11. SWMU Tank	Pipes Approve	d and Remov	/ed From Fa	acility			Х					
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place			X					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	N	A						
2. Date Containr	nent Pit/Trench	Verified Clea	an		1/18	/2016						
3. SWMU Status Component Removed Status Change (Removed, Component Removed, Closed in Place) Component Removed Date:					1/18	/2016						
Pictures:	Attached											
Data:												
Notes:												
Signa	ature	Christopher Goldsmith										
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station #41 Area 70, Previously Removed Lift Station at C-24, Index No. 20150038.19

Previously Removed Lift Station



			SOL	ID WASTE M CLOSURE	ANAGE	MENT UN LIST	IIT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	A-27	Project Area	70	Index #	20150038.21			
SWMU Name	:	B/310 LS FL										
SWMU Descr	iption:	Fluoride/I	leavy Me	tals Lift Statio	ns							
SWMU Comp	onent:	Previous	y remove	d Fluoride Lift	Station							
		J		Decommiss	ioning Re	ecord						
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination				х						
2. Pictures Take	n Post-Remova	.I			x							
3. Fluids Draine	d						x	NA				
4. Solid Residua	als Removed						x	NA				
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1				x	NA				
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA				
7.Tank/Pipes Sa	mpled for Other	r Waste Con	stituents				х	NA				
8.Spill Containm	nent Pit/Trench	Visually Insp	ected for li	ntegrity			x	NA				
9.Spill Containm	nent Pit/Trench	Sampled for	Surface pH	1			x	NA				
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents			x	NA				
11. SWMU Tank	/Pipes Approve	d and Remov	/ed From F	acility			x					
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Remove 11/2	ed prior to 5/2015						
2. Date Containr	ment Pit/Trench	Verified Cle	an		1	NA						
3. SWML (Removed, 6 Removed, Clo	J Status Component osed in Place)	Componen	t Removed	Status Change Date:	11/25/2015							
Pictures:	Attached											
Data:	NA											
Notes:	Fluoride lift station was removed prior to B310 SWMU inventory reconnaissance on 11/25/2015.											
Signa		Raymond Kapp										
ARCADIS Representative		Raymond Kapp										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station – Unlabeled Station Number MER Near Area 70, Lift Station at A-27, Index No. 20150038.21 – Removed Prior to 11/25/2015

> Previously Removed Lift Station – Drain for Fluoride Wastewater Secondary Containment Piping In Electrical Substation



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-27	Project Area	70	Index #	20150038.22			
SWMU Name	:	B/310 LS	FL	-	-		-	-				
SWMU Description: Fluoride/Heavy Metals Lift Station												
SWMU Component: Previously removed Fluoride Lift												
				Decommiss	ioning Re	cord						
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	en Pre-Decontan	nination				x						
2. Pictures Take	en Post-Remova	l			x							
3. Fluids Draine	d						х	NA				
4. Solid Residua	als Removed						x	NA				
5.Tank/Pipes Vis	5.Tank/Pipes Visually Inspected for Integrity						x	NA				
6.Tank/Pipes Sa	mpled for Surfa	ce pH					X	NA				
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA				
8.Spill Containm	nent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA				
9.Spill Containm	nent Pit/Trench	Sampled for	Surface pH	I			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA				
11. SWMU Tank	/Pipes Approve	d and Remov	/ed From F	acility			x					
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			x					
				Closure and	Removal	Dates	•					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Remove 11/25	d prior to 5/2015						
2. Date Containr	ment Pit/Trench	Verified Clea	an		N	A						
3. SWMU (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	t Removed	Status Change Date:	11/25	11/25/2015						
Pictures:	Attached	Attached										
Data:	NA	NA										
Notes: Fluoride lift station was removed prior to B310 SWMU inventory reconnaissance on 11/25/2015.												
Signa	Signature		Raymond Kapp									
ARCADIS Representative		Raymond Kapp										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS FL - Fluoride/Heavy Metals Lift Station - Unlabeled MER Near Area 70, Lift Station at B-27, Index No. 20150038.22 – Removed Prior to 11/25/2015

Previously Removed Lift Station


			SOL	ID WASTE M	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-25	Project Area	1	Index #	20150	039.1
SWMU Name:		B/310 LS	w						•	
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station - I	Brass Tag # EC	COL 2361					
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Taken Post-Decontamination X Pass IBM WWTP 3. Fluids Drained X Pass IBM WWTP										
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Other	Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ł			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	1/4/	2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:	Table 2									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verifition. Metal was set tion. Metal was set re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2361 Area 1, Lift Station at F-25, Index No. 20150039.1 – Clean Removal Verified 1/4/2016



Pre-Removal



			SOL	ID WASTE M		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-24	Project Area	1	Index #	20150	0039.2
SWMU Name:		B/310 LS	w		<u> </u>	<u>.</u>		8		
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station - I	Brass Tag # EC	COL 2362					
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Taken Post-Decontamination X										
3. Fluids Drained	d					Pass	IBM WWTP			
4. Solid Residua	ls Removed						X	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		X			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			X			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates	r			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	1/4/	2016				
2. Date Containn 3. SWMU (Removed, 0	nent Pit/Trench J Status Component	Verified Cle	an t Removed	Status Change	1/4/	1A 2016				
Removed, Clo	sed in Place)			Date:						
Pictures:	Attached									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat oonents we eneca Mea	ition and pH verif tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non- tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2362 Area 1, Lift Station at F-24, Index No. 20150039.2 – Clean Removal Verified 1/4/2016

Pre-Removal



			SOL	ID WASTE M	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-24	Project Area	1	Index #	20150	039.3
SWMU Name:		B/310 LS	W						•	
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is					
SWMU Comp	onent:	Acid Lift S	Station #1	0 - Brass Tag	# ECOL 2	364				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d			Pass	IBM WWTP					
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	l for Integrity			х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	ł			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	red From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/20	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	1/20	/2016				
Pictures:	Attached									
Data:	Table 2									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verif tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Yoldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #10 Area 1, Lift Station at H-24, Index No. 20150039.3 – Clean Removal Verified 1/20/2016



Pre-Removal

Decontaminated



			SOL	ID WASTE M CLOSURE	ANAGEN	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-2	Project Area	3	Index #	2015	0039.4
SWMU Name:	:	B/310 LS	w							
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	าร					
SWMU Comp	onent:	Previousl	y Remove	ed Acid Lift Sta	ation #31					
				Decommiss	ioning Re	ecord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova	1			х					
3. Fluids Drained	d						x	NA		
4. Solid Residua	Is Removed					ļ	х	NA		
5.Tank/Pipes Vis	sually inspected	I for Integrity	1			ļ	x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН				ļ	х	NA		
7.Tank/Pipes Sa	mpled for Other	r Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approved	d and Remov	/ed From F	acility			x			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	fill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	٩٨				
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	11/28	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Acid lift statior	ו was remov	ed prior to	B310 SWMU inve	entory recor	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #31 Area 3, Lift Station at H-2, Index No. 20150039.4 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M		/IENT UN LIST	IT			
IBM/C Site Name & East Location Fishk	GF, cill, NY	Building	310	Column References	G-4.5	Project Area	4	Index #	2015	0039.5
SWMU Name:		B/310 LS	IW						•	
SWMU Description:	:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Component:	:	Trench fo	r Previou	sly Removed /	Acid Lift S	Station #6	4			
				Decommiss	ioning Re	ecord				
Environmental Items:					Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Taken Pre-D	Decontan	nination			х					
2. Pictures Taken Post-	-Deconta	mination								
3. Fluids Drained							X	NA	NA	
4. Solid Residuals Rem	oved						Х	NA	NA	
5.Tank/Pipes Visually Ir	nspected	for Integrity	/				Х	NA		
6.Tank/Pipes Sampled 1	for Surfa	ce pH					X	NA		
7.Tank/Pipes Sampled 1	for Other	Waste Cons	stituents				X	NA		
8.Spill Containment Pit	/Trench \	visually Insp	ected for l	ntegrity	х			Pass		
9.Spill Containment Pit	/Trench \$	Sampled for	Surface pl	1	х			Pass		
10.Spill Containment Pi	it/Trench	Sampled fo	r Other Co	nstituents			Х	NA		
11. SWMU Tank/Pipes A	Approved	d and Remov	ved From F	acility			Х			
12. SWMU Containment	t Pit/Trer	ich Approve	d for Back	ill in Place	X					
				Closure and	Removal	Dates	1			
1. Date Tank/Pipes Veri	ified Dec	ontaminated	l for Dispos	al	Ν	A				
2. Date Containment Pit	t/Trench	Verified Cle	an	r	1/20/	/2016				
(Removed, Compor Removed, Closed in	s nent Place)	Component	t Removed	Status Change Date:	1/20/	/2016				
Pictures: NA										
Data: Table	14									
Notes: Secon 8), and	idary con d visually	tainment pit	t was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wither condition	th Hydrion t	est strips to	verify neutral	range (pH 5-
Signature	Signature Christopher Goldsmith									
ARCADIS Represent	tative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #64 Area 4, Lift Station at G-4.5, Index No. 20150039.5 – Clean Removal Verified 1/20/2016

Previously Removed Lift Station



Decontaminated Pit



			SOL	ID WASTE M	ANAGEN	IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-4.5	Project Area	24-Apr	Index #	2015	0039.6
SWMU Name:		B/310 LS	IW		•	•		•	-	
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	าร					
SWMU Compo	onent:	Trench fo	r Previou	sly Removed A	Acid Lift S	Station #6	5			
				Decommiss	ioning Re	cord				
Environmental It	ems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Taker	n Pre-Decontan	nination			х					
2. Pictures Taker	n Post-Deconta	mination			х					
3. Fluids Drained	I						х	NA	NA	
4. Solid Residual	ls Removed						x	NA	NA	
5.Tank/Pipes Vis	ually Inspected	I for Integrity	/				x	NA		
6.Tank/Pipes Sar	mpled for Surfa	ce pH					x	NA		
7.Tank/Pipes Sar	mpled for Othe	Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass		
10.Spill Containn	nent Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/I	Pipes Approve	d and Remov	ved From F	acility			х			
12. SWMU Conta	inment Pit/Trer	nch Approve	d for Back	fill in Place	х					
				Closure and	Removal	Dates	1			
1. Date Tank/Pipe	es Verified Dec	ontaminated	l for Dispos	sal	N	IA				
2. Date Containm	nent Pit/Trench	Verified Cle	an		1/20/	/2016				
3. SWMU (Removed, C Removed, Clos	Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/20/	/2016				
Pictures:	NA									
Data:	Table 14									
Notes:	Secondary cor 8), and visually	ntainment pit v inspected t	t was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wit e condition	h Hydrion t	est strips to	verify neutral	range (pH 5-
Signa	Signature Christopher Goldsmith									
ARCADIS Rep	ARCADIS Representative Christopher Goldsmith									

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #65 Area 4-24, Lift Station at G-5, Index No. 20150039.6 – Clean Removal Verified 1/20/2016

Previously Removed Lift Station



Decontaminated



			SOL	ID WASTE M	ANAGEN CHECK	MENT UN LIST	IIT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-20	Project Area	6	Index #	20150	0039.7
SWMU Name:	:	B/310 LS	w							
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	าร					
SWMU Comp	onent:	Acid Lift S	Station #1	4 - Brass Tag	# ECOL #	2365				
		-		Decommiss	ioning Re	ecord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Other	r Waste Cons	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	ł			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/4/	2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verii cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #14 Area 6, Lift Station at F-20, Index No. 20150039.7 – Clean Removal Verified 1/4/2016



Pre-Removal



			SOL				IT			
	IBM/GE			CLUSURE						
Site Name & Location	East Fishkill, NY	Building	310	Column References	F-19	Project Area	6	Index #	20150	039.8
SWMU Name:		B/310 LS	w							
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Compo	onent:	Acid Lift S	Station #1	3 - Brass Tag	# ECOL 2	367				
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			Х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	I			x	NA		
10.Spill Containr	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates		•		
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	11/25	5/2015				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	A				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component	Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Rej	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #13 Area 6, Lift Station at F-19, Index No. 20150039.8 – Clean Removal Verified 11/25/2015

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Pre-Removal



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-19	Project Area	6	Index #	20150	0039.9
SWMU Name:	:	B/310 LS I	W							
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	IS					
SWMU Comp	onent:	Acid Lift S	Station #1	8 - Brass Tag	# ECOL 2	370, with	connecte	d sink - Bra	ass Tag # E	COL079
				ioning Re	cord					
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	l for Integrity			Х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	· Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for I	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	red From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	11/24	/2015				
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	11/24	1/2015				
Pictures:	Attached									
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and dee Plastic comp rted to the S	s free cond contaminat onents we eneca Mea	ition and pH verii cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled vith the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	d upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Loldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #18 Area 6, Lift Station at G-19, Index No. 20150039.9 – Clean Removal Verified 11/24/2015

Pre-Removal Lift Station



Pre-Removal Sink Drain to Lift Station #18



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #18 Area 6, Lift Station at G-19, Index No. 20150039.9 – Clean Removal Verified 11/24/2015

Decontaminated Lift Station



Decontaminated Sink



			SOL	ID WASTE M		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-19	Project Area	6	Index #	20150	039.11
SWMU Name:		B/310 LS	IW		<u>.</u>	<u>.</u>		1		
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station #1	9 - Brass Tag	# ECOL #	ŧ 2371				
				Decommiss	ioning Re	ecord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			x					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	b				Pass	IBM WWTP				
4. Solid Residua	Is Removed						X	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		Х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			X			Pass		
7.Tank/Pipes Sa	mpled for Other	Waste Con	stituents				X	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	Sumface and	ntegrity			X	NA		
9.5pill Containin	mont Pit/Tronch	Sampled for	surface pr				X	NA		
11 SWMII Tank/		and Remov	ved From F	acility	x		X	NA	See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place	~				See Note	See Note
				Closure and	Removal	Dates	X			
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	11/24	1/2015				
2. Date Containn	nent Pit/Trench	Verified Cle	an		٩	A				
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	11/24	4/2015				
Pictures:	Attached			•						
Data:	Table 1B									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we seneca Mea	ition and pH verif ion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	d upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #19 Area 6, Lift Station at G-19, Index No. 20150039.11 – Clean Removal Verified 11/24/2015



Pre-Removal



			SOL	ID WASTE M		MENT UN LIST	IIT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-20	Project Area	6	Index #	20150	039.12
SWMU Name:		B/310 LS	IW							
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	าร					
SWMU Comp	onent:	Acid Lift	Station #2	21 - Brass Tag	# ECOL 2	2374				
				Decommiss	ioning Re	ecord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			x					
3. Fluids Drained X Pass IBM W										
4. Solid Residua	Is Removed					ļ	X	NA	NA	
5.Tank/Pipes Vis	sually Inspected	l for Integrity	/		X			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ice pH			Х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	Dected for I	ntegrity			X	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pF	1			X	NA		
10.Spill Containi		d and Romo	r Other Co		v		X	NA	See Note	See Note
12 SWMU Conta	Pipes Approve		d for Back		*				See Note	See Note
				Closure and	Removal	Dates	X		<u> </u>	
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	11/24	4/2015		_	_	
2. Date Containn	nent Pit/Trench	Verified Cle	an		٩	NA A				
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	11/24	4/2015				
Pictures:	Attached	8			8					
Data:	Table 1B									
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	ion for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH verif tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non itario Count	as conducted etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #21 Area 6, Lift Station at G-20, Index No. 20150039.12 – Clean Removal Verified 11/24/2015

Pre-Removal



			SOL				IT			
	IBM/GE			CLUSURE			T	1		
Site Name & Location	East Fishkill, NY	Building	310	Column References	G-20	Project Area	6	Index #	20150	039.13
SWMU Name:	:	B/310 LS	IW				-			
SWMU Descri	iption:	Industrial	Wastewa	iter Lift Statior	ıs					
SWMU Comp	onent:	Previous	y Remove	ed Acid Lift Sta	ation #20,	, Brass Ta	ıg # ECOL	2375		
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova	d			х					
3. Fluids Draine	d						x	NA		
4. Solid Residua	Is Removed						x	NA		
5.Tank/Pipes Vis	sually Inspected	for Integrity	/				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	ісе рН					x	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for In	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			x	NA		
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents			x	NA		
11. SWMU Tank/	/Pipes Approve	d and Remov	ved From F	acility			x			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containr	nent Pit/Trench	Verified Cle	an		N	١A				
3. SWML (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	NA									
Data:	NA									
Notes:	Acid lift statior	n was remov	ed prior to '	B310 SWMU inve	entory reco	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #20 Area 6, Lift Station at G-20, Index No. 20150039.13 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M			IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-21	Project Area	6	Index #	20150	039.14	
SWMU Name:		B/310 LS I	W	1		1					
SWMU Description: Industrial Wastewater Lift Station											
SWMU Component: Acid Lift Station #15											
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			x						
2. Pictures Take	n Post-Deconta	mination			X						
3. Fluids Drained	d				х			Pass	IBM WWTP		
4. Solid Residua	ls Removed						x	NA	NA		
5.Tank/Pipes Vis	sually Inspected	l for Integrity			Х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass			
7.Tank/Pipes Sa	mpled for Othe	· Waste Cons	stituents				х	NA			
8.Spill Containment Pit/Trench Visually Inspected for Integrity							х	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	1			х	NA			
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Co	nstituents			х	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility	х				See Note	See Note	
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			x				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	11/24	/2015					
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	A					
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	11/24/2015						
Pictures:	Attached										
Data:	Table 1B										
Notes:	Decontaminati verification wit were separated Poughkeepsie	on was perfo h Hydrion te I and dispos NY	ormed on li st strips. I ed as trash	ft station tank tha Metal was separa n through Royal C	at discharge ted and rec Carting for i	ed to the in ycled as sc ncineration	dustrial was rap metal b at Dutches	te drain syst / Millens Rec s County Res	em, followed b cycling. Plastic source Recove	oy pH components ery Facility,	
Signa	ature				Christo	pher Do	oldsmith				
ARCADIS Re	ARCADIS Representative Christopher Goldsmith				Chris	topher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #15 Area 6, Lift Station at F-21, Index No. 20150039.14 – Clean Removal Verified 11/24/2015

Pre-Removal



			SOL	ID WASTE M	ANAGEN CHECKI	MENT UN LIST	IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	P8-P9	Project Area	18	Index #	20150	039.15	
SWMU Name:		B/310 LS	w	•	<u>.</u>	<u>.</u>		8			
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs						
SWMU Comp	onent:	Acid Lift S	Station #9	97, ECOL #226	8						
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			x						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	t				х			Pass	IBM WWTP		
4. Solid Residua	Is Removed						X	NA	NA		
5.Tank/Pipes Visually Inspected for Integrity								Pass			
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass			
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ł			x	NA			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note	
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x				
				Closure and	Removal	Dates	-				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	2/22	/2016					
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A					
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	2/22/2016						
Pictures:	Attached										
Data:	Table 20										
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verifition. Metal was set tion. Metal was set re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition	
Signa	iture				Christo	pher Do	oldsmith				
ARCADIS Re	presentative				Chris	stopher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #97 Area 18, Lift Station at P8-P9, Index No. 20150039.15 – Clean Removal Verified 2/22/2016

Pre-Removal







			SOL	ID WASTE M		MENT UN LIST	IIT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	P-6	Project Area	21	Index #	20150	039.16	
SWMU Name:		B/310 LS	IW								
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	is						
SWMU Component: Acid Lift Station #2											
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			Х						
3. Fluids Drained	b				Х			Pass	IBM WWTP		
4. Solid Residua	Is Removed						X	NA	NA		
5.Tank/Pipes Visually Inspected for Integrity								Pass			
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass			
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			x	NA			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note	
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			х				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	2/24	/2016					
2. Date Containn	nent Pit/Trench	Verified Cle	an		١	AA					
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/24/2016						
Pictures:	Attached										
Data:	Table 24										
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non itario Count	as conductec etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition	
Signa	iture				Christo	pher D	oldsmith				
ARCADIS Re	presentative				Chris	stopher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #74 Area 21, Lift Station at P-6, Index No. 20150039.16 – Clean Removal Verified 2/24/2016

Pre-Removal







			SOL	ID WASTE M	ANAGEN CHECK	MENT UN LIST	IIT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	M-6	Project Area	23	Index #	20150	039.17	
SWMU Name:		B/310 LS	w								
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	is						
SWMU Comp	onent:	Acid Lift S	Station #7	/3							
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	t				X			Pass	IBM WWTP		
4. Solid Residua	Is Removed						X	NA	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		Х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass			
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	bected for l	ntegrity			x	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			x	NA			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note	
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			x				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	2/24	/2016					
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	AA					
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/24/2016						
Pictures:	Attached										
Data:	Table 23										
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non itario Count	as conductec etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition	
Signa	iture				Christo	pher G	oldsmith				
ARCADIS Re	presentative				Chris	stopher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #73 Area 23, Lift Station at M-6, Index No. 20150039.17 – Clean Removal Verified 2/24/2016



Pre-Removal



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-6	Project Area	24	Index #	20150039.18		
SWMU Name:		B/310 LS	IW		-	-	-				
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ns						
SWMU Comp	onent:	Acid Lift S	Station #7	74							
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	d				х			Pass	IBM WWTP		
4. Solid Residua	ls Removed						x	NA	NA		
5.Tank/Pipes Visually Inspected for Integrity								Pass			
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass			
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			х	NA			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note	
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			х				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	1/14	/2016					
2. Date Containn	nent Pit/Trench	Verified Cle	an		N	NA					
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/14/2016						
Pictures:	Attached										
Data:	Table 6										
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verif tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducteo etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition	
Signa	ature				Christo	pher D	oldsmith				
ARCADIS Re	presentative				Chris	stopher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #74 Area 24, Lift Station at G-6, Index No. 20150039.18 – Clean Removal Verified 1/14/2016



Pre-Removal



			SOL	ID WASTE M		MENT UN LIST	IIT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	J-6	Project Area	24	Index #	20150	039.19
SWMU Name:		B/310 LS	IW							
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	IS					
SWMU Component: Acid Lift Station #NA										
Decommissioning Record										
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			Х					
3. Fluids Drained	b				Х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						X	NA	NA	
5.Tank/Pipes Visually Inspected for Integrity								Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	1/14	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		١	AA				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/14/2016					
Pictures:	Attached									
Data:	Table 6									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non itario Count	as conductec etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	iture				Christo	pher D	oldsmith			
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			
Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #NA Area 24, Lift Station at J-6, Index No. 20150039.19 – Clean Removal Verified 1/14/2016



Pre-Removal



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
II Site Name & E Location F	BM/GF, East Fishkill, NY	Building	310	Column References	G-6	Project Area	24	Index #	20150	039.21		
SWMU Name:		B/310 LS	IW		-		-		•			
SWMU Descrip	tion:	Industrial	Wastewa	ter Lift Statior	ns							
SWMU Compoi	nent:	Trench fo	r Previou	sly Removed /	Acid Lift S	Station #6	6					
				Decommiss	ioning Re	cord						
Environmental Iter	ms:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Taken	Pre-Decontan	nination			x							
2. Pictures Taken	Post-Deconta	mination			х							
3. Fluids Drained							х	NA	NA			
4. Solid Residuals	Removed						х	NA	NA			
5.Tank/Pipes Visu	ally inspected	I for Integrity	/				х	NA				
6.Tank/Pipes Sam	pled for Surfa	ce pH					х	NA				
7.Tank/Pipes Sam	pled for Other	Waste Con	stituents				х	NA				
8.Spill Containme	nt Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass				
9.Spill Containme	nt Pit/Trench	Sampled for	Surface p⊦	ł	х			Pass				
10.Spill Containme	ent Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/Pi	ipes Approved	d and Remov	ved From F	acility			х					
12. SWMU Contair	nment Pit/Trer	nch Approve	d for Backf	ill in Place	х							
				Closure and	Removal	Dates						
1. Date Tank/Pipes	s Verified Dec	ontaminated	l for Dispos	al	Ν	A						
2. Date Containme	ent Pit/Trench	Verified Clea	an		1/20	/2016						
3. SWMU S (Removed, Co Removed, Close	Status omponent ed in Place)	Component	t Removed	Status Change Date:	1/20/	/2016						
Pictures: N	A				-							
Data: T	able 6											
Notes: S	Secondary cor 3), and visually	itainment pit v inspected t	t was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wi e condition	th Hydrion t	est strips to	verify neutral	range (pH 5-		
Signati	ure				Christo	pher Do	oldsmith					
ARCADIS Repr	resentative				Christopher Goldsmith							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #66 Area 20, Trench for Previously Removed Lift Station at C-24, Index No. 20150039.21 – Inspected and Sampled on 1/20/2016

Previously Removed Lift Station





	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name 8	IBM/GF,			Column		Dreiset						
Location	East Fishkill, NY	Building	310	References	D6-D7	Area	26	Index #	20150	039.22		
SWMU Name:	:	B/310 LS I	w									
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	IS							
SWMU Comp	onent:	Acid Lift S	tation #1	7								
				Decommiss	ioning Re	cord						
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				x			Pass	IBM WWTP			
4. Solid Residua	ls Removed						х	NA	NA			
5.Tank/Pipes Vis	sually Inspected	I for Integrity			х			Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass				
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	tituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Inspe	ected for l	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for \$	Surface p⊦	I			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled for	Other Co	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility	x				See Note			
12. SWMU Conta	ainment Pit/Trei	nch Approved	l for Backf	ill in Place			x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	2/23	/2016						
2. Date Containn	nent Pit/Trench	Verified Clea	n		Ν	A						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	2/23	/2016						
Pictures:	Attached											
Data:	Table 32											
Notes:	Visual inspecti station dismar construction a Stanley, NY.	on for debris tling and dec nd demolitior	free cond contaminat n debris tra	ition and pH veri iion. Plastic com ansported to the	fication with ponents we Seneca Mea	h Hydrion te ere separate adows Lane	est strips wa ed and dispo ffill, Waterlo	as conducted osed with the bo, NY and th	l upon comple rest of the no e Ontario Cou	tion of lift n-hazardous nty Landfill,		
Signa	ature			Christo	pher Do	oldsmith						
ARCADIS Re	presentative				Chris	topher Gol	dsmith					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #17 Area 26, Lift Station at D6-D7, Index No. 20150039.22 – Clean Removal Verified 2/23/2016

Pre-Removal







	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
II Site Name & E Location F	BM/GF, East Fishkill, NY	Building	310	Column References	E-13	Project Area	29	Index #	20150	039.23		
SWMU Name:		B/310 LS	w	-	-		-					
SWMU Descrip	tion:	Industrial	Wastewa	ter Lift Statior	าร							
SWMU Compor	nent:	Trench fo	r Previou	sly Removed /	Acid Lift S	Station #1	6					
				Decommiss	ioning Re	cord						
Environmental Iter	ms:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Taken	Pre-Decontan	nination			х							
2. Pictures Taken	Post-Deconta	mination			x							
3. Fluids Drained					х			Pass	IBM WWTP			
4. Solid Residuals	Removed						X	NA	NA			
5.Tank/Pipes Visu	ally inspected	for Integrity	1				x	NA				
6.Tank/Pipes Sam	pled for Surfa	ce pH					X	NA				
7.Tank/Pipes Sam	pled for Other	Waste Cons	stituents				x	NA				
8.Spill Containme	nt Pit/Trench	visually Insp	ected for l	ntegrity	X			Pass				
9.Spill Containme	nt Pit/Trench	Sampled for	Surface pl-	1	X			Pass				
10.Spill Containme	ent Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/Pi	ipes Approved	d and Remov	/ed From F	acility			x					
12. SWMU Contair	nment Pit/Trer	ich Approve	d for Backf	ill in Place	X							
				Closure and	Removal	Dates	1					
1. Date Tank/Pipes	s Verified Dec	ontaminated	for Dispos	al	N	A						
2. Date Containme	ent Pit/Trench	Verified Clea	an		1/21	/2016						
3. SWMU S (Removed, Co Removed, Close	Status omponent ed in Place)	Component	t Removed	Status Change Date:	1/21/	/2016						
Pictures: N	A											
Data: T	able 15											
Notes: S	Secondary cor), and visually	itainment pit	∷was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wither condition	th Hydrion to	est strips to	verify neutral r	ange (pH 5-		
Signati	ure				Christo	pher Do	oldsmith					
ARCADIS Repr	resentative				Chris	topher Gol	dsmith					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #16 Area 29, Pit for Previously Removed Lift Station at E-13, Index No. 20150039.23 – Inspected and Sampled on 1/21/2016

Previously Removed Lift Station





			SOL	ID WASTE M. CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	S-8	Project Area	29	Index #	20150)039.24
SWMU Name:		B/310 LS	IW						<u>.</u>	
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Comp	onent:	Previousl	y Remove	ed Acid Lift Sta	ation #3					
				Decommiss	ioning Re	cord				
Environmental If	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Drained	d						x	NA		
4. Solid Residua	Is Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Other	r Waste Cons	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for In	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approved	d and Remov	/ed From Fa	acility			х			
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	1A				
3. SWMU (Removed, (Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Acid lift statior	ו was remov	ed prior to	B310 SWMU inve	ntory recor	nnaissance	on 11/25/20	15.		
Signa	ature				Ray	pmond .	Карр			
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #3 Area 29, Lift Station at S-8, Index No. 20150039.24 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IIT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	Т-8	Project Area	29	Index #	20150	039.25
SWMU Name:		B/310 LS	IW		-	-				
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Previous	y Remove	ed Acid Lift Sta	ation #4					
				Decommiss	ioning Re	cord				
Environmental If	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	l			x					
3. Fluids Drained	d						х	NA		
4. Solid Residua	ls Removed						Х	NA		
5.Tank/Pipes Vis	sually Inspected	for Integrity	1				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					X	NA		
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			x	NA	<u> </u>	
11. SWMU Tank/	Pipes Approved	and Remov	/ed From F	acility			x			
12. SWMU Conta	ainment Pit/Trer	ich Approve	d for Backf	ill in Place			x			
				Closure and	Removal Remove	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	11/2	5/2015				
2. Date Containn 3. SWMU	nent Pit/Trench J Status	Verified Clea	an		•	A				
(Removed, C Removed, Clo	Component sed in Place)	Component	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Acid lift statior	ו was remov	ed prior to	entory recor	nnaissance	on 11/25/20	15.			
Signa	ature				Ray	imond.	Карр			
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #3 Area 29, Lift Station at T-8, Index No. 20150039.25 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOI				IIT				
CLOSURE CHECKLIST IBM/GF, Column Project Site Name & East Column Project Location Fishkill, NY Building 310 References G-9 Area 30 Index # 20150039.26											
Site Name & Location	East Fishkill, NY	Building	310	Column References	G-9	Project Area	30	Index #	20150	039.26	
SWMU Name	:	B/310 LS	IW								
SWMU Descr	iption:	Industrial	Wastewa	ater Lift Statio	ns						
SWMU Comp	onent:	Acid Lift	Station #	62							
				Decommiss	ioning Re	ecord					
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	en Pre-Decontar	nination			х						
2. Pictures Take	en Post-Deconta	mination			х						
3. Fluids Draine	d				х			Pass	IBM WWTP		
4. Solid Residua	als Removed						х	NA	NA		
5.Tank/Pipes Vi	sually Inspected	for Integrit	y		х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass			
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA			
8.Spill Containn	nent Pit/Trench	Visually Insp	pected for	Integrity	х			Pass			
9.Spill Containn	nent Pit/Trench	Sampled for	Surface p	н	х			Pass			
10.Spill Contain	ment Pit/Trench	Sampled fo	or Other Co	onstituents			х	NA			
11. SWMU Tank	/Pipes Approve	d and Remo	ved From I	Facility	х				See Note	See Note	
12. SWMU Cont	ainment Pit/Tre	nch Approve	d for Back	fill in Place	х						
				Closure and	Removal	Dates			•		
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispo	sal	1/14	/2016					
2. Date Contain	ment Pit/Trench	Verified Cle	an		1/19	/2016					
3. SWMU (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	t Removed	Status Change Date:	1/19	/2016					
Pictures:	Attached				-		-				
Data:	Table 9										
Notes:	Visual inspect station dismar Kingston, NY. demolition det Secondary cor general integri	s free cond contamina conents we ted to the t was press s-free cond	lition and pH veri tion. Metal was s rre separated and Seneca Meadows sure washed and dition.	fication wit eparated au I disposed Landfill, W dried, teste	h Hydrion t nd recycled with the res /aterloo, NY ed with Hyd	est strips w as scrap m st of the nor ′ and the Or rion Test St	vas conducte letal by Miller h-hazardous htario County and visually	d upon compl ns Metal Recy construction a r Landfill, Star y inspected to	etion of lift cling, Ind Iey, NY. verify		
Signa	ature				Christo	pher G	oldsmith				
ARCADIS Re	ARCADIS Representative Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #62 Area 30, Lift Station at G-9, Index No. 20150039.26 – Clean Removal Verified 1/14/2016



Pre-Removal



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #62 Area 30, Lift Station at G-9, Index No. 20150039.26 – Clean Removal Verified 1/14/2016

Decontaminated Lift Station #62 Pit



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	D-9	Project Area	30	Index #	20150	039.27		
SWMU Name:		B/310 LS	IW				•					
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is							
SWMU Comp	onent:	Acid Lift S	Station #N	NA, ECOL #226	61							
				Decommiss	ioning Re	cord						
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				Х			Pass	IBM WWTP			
4. Solid Residua	ls Removed						X	NA	NA			
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		X			Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass				
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	Dected for I	ntegrity			X	NA				
9.Spill Containm	ient Pit/Trench	Sampled for	Surface pr	1			X	NA				
10.Spill Containi		and Remov	r Other Co		v		X	NA	See Note	See Note		
12 SWMU Conta	Pipes Approve		d for Back		~				See Note	See Note		
				Closure and	Removal	Dates	X					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/19	/2016		_	_			
2. Date Containn	nent Pit/Trench	Verified Cle	an		1	A						
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/19	/2016						
Pictures:	Attached											
Data:	Table 9											
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verif ion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non- tario Count	as conducted etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition		
Signature Christo							oldsmith					
ARCADIS Re	presentative				Chris	stopher Gol	dsmith					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL# 2261 Area 30, Lift Station at D-9, Index No. 20150039.27 – Clean Removal Verified 1/19/2016

Pre-Removal



Decontaminated Pump



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
IBM/GF, Site Name & East Location Fishkill, NY	Building 310	Column References	F-8	Project Area	30	Index #	20150	039.28				
SWMU Name:	B/310 LS IW					•						
SWMU Description:	Industrial Waste	water Lift Station	ns									
SWMU Component:	Pit for Previous	y Removed Acid	Lift Stati	on #5								
	-	Decommiss	ioning Re	ecord								
Environmental Items:			Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name				
1. Pictures Taken Pre-Deconta	mination		х									
2. Pictures Taken Post-Decont	amination		х									
3. Fluids Drained					x	NA	NA					
4. Solid Residuals Removed					x	NA	NA					
5.Tank/Pipes Visually Inspecte	d for Integrity				X	NA						
6.Tank/Pipes Sampled for Surf	ace pH				X	NA						
7.Tank/Pipes Sampled for Othe	r Waste Constituents	i			X	NA		ļ				
8.Spill Containment Pit/Trench	Visually Inspected for	r Integrity	X			Pass		ļ				
9.Spill Containment Pit/Trench	Sampled for Surface	рН	X			Pass						
10.Spill Containment Pit/Trenc	h Sampled for Other	Constituents			X	NA						
11. SWMU Tank/Pipes Approve	ed and Removed Fror	n Facility			X							
12. SWMU Containment Pit/Tre	nch Approved for Ba	ckfill in Place	X									
		Closure and	Removal	Dates								
1. Date Tank/Pipes Verified De	contaminated for Dis	oosal	١	AA								
2. Date Containment Pit/Trencl	Verified Clean	- 1	1/19	/2016								
3. SWMU Status (Removed, Component Removed, Closed in Place)	Component Remov	ed Status Change Date:	1/19	/2016								
Pictures: NA												
Data: Table 9												
Notes: Secondary co 8), and visual	ntainment pit was province of the second sec	essure washed and general integrity an	dried, teste d debris-fre	d for pH wi ee conditior	th Hydrion t n.	est strips to	verify neutral	range (pH 5-				
Signature		pher G	oldsmith									
ARCADIS Representative			Chris	stopher Gol	dsmith							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #5 Area 30, Pit for Previously Removed Lift Station at F-8, Index No. 20150039.28 – Inspected and Sampled on 1/19/2016

Pre-Removed Lift Station Center Stainless Steel Lined Pit





	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	M-7	Project Area	30	Index #	20150	039.29		
SWMU Name:		B/310 LS	w			-		-				
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	าร							
SWMU Compo	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on #9						
		-		Decommiss	ioning Re	cord						
Environmental It	ems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Taker	n Pre-Decontan	nination			х							
2. Pictures Taker	n Post-Deconta	mination			х							
3. Fluids Drained	1						х	NA	NA			
4. Solid Residua	Is Removed						x	NA	NA			
5.Tank/Pipes Vis	ually inspected	I for Integrity	1				X	NA				
6.Tank/Pipes Sai	mpled for Surfa	ce pH					X	NA				
7.Tank/Pipes Sai	mpled for Othe	r Waste Cons	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	x			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass				
10.Spill Containr	nent Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility			х					
12. SWMU Conta	inment Pit/Trei	nch Approve	d for Back	fill in Place	x							
				Closure and	Removal	Dates	-					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	Ν	A						
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/20	/2016						
3. SWMU (Removed, C Removed, Clos	Status Component sed in Place)	Component	t Removed	Status Change Date:	1/20	/2016						
Pictures:	Attached											
Data:	Table 9											
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wi e conditior	th Hydrion t I.	est strips to	verify neutral	range (pH 5-		
Signa	ture				Christo	pher G	oldsmith					
ARCADIS Rep	presentative				Chris	stopher Gol	dsmith					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #9 Area 30, Pit for Previously Removed Lift Station at M-7, Index No. 20150039.29 – Inspected and Sampled on 1/20/2016

Previously Removed Lift Station





	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	T-10	Project Area	36	Index #	20150	039.43		
SWMU Name:		B/310 LS	IW	-				-				
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is							
SWMU Comp	onent:	Acid Lift S	Station E	COL #2275								
				Decommiss	ioning Re	cord						
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				х			Pass	IBM WWTP			
4. Solid Residua	ls Removed						х	NA	NA			
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		х			Pass				
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass				
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ł			х	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	1/14	/2016						
2. Date Containn	nent Pit/Trench	Verified Cle	an		N	A						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/14	/2016						
Pictures:	Attached											
Data:	Table 8											
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we reneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition		
Signature						imond .	Карр					
ARCADIS Re	ARCADIS Representative						арр					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2275 Area 36, Lift Station at T-10, Index No. 20150039.43 – Clean Removal Verified 1/14/2016

Pre-Removal 2-Gallon Bucket Tank and Pump (Below View)



Lift Station Removed



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	R-9	Project Area	37	Index #	20150	039.44		
SWMU Name:		B/310 LS	IW			-	-	-				
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	IS							
SWMU Comp	onent:	Acid Lift S	Station #9	95								
				Decommiss	ioning Re	cord						
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				X			Pass	IBM WWTP			
4. Solid Residua	ls Removed						X	NA	NA			
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		Х			Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass				
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	bected for l	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ł			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	2/22	/2016						
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/22	/2016						
Pictures:	Attached											
Data:	Table 10											
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH verif tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducteo etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition		
Signa		Christo	pher D	oldsmith								
ARCADIS Re	presentative		Chris	stopher Gol	dsmith							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #95 Area 37, Lift Station at R-9, Index No. 20150039.44 – Clean Removal Verified 2/22/2016



Pre-Removal



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	R-9	Project Area	37	Index #	20150	039.45		
SWMU Name:		B/310 LS	w									
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is							
SWMU Comp	onent:	Acid Lift S	Station #9	96								
				Decommiss	ioning Re	cord						
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				х			Pass	IBM WWTP			
4. Solid Residua	ls Removed						х	NA	NA			
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1		х			Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass				
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	ł			х	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/14	/2016						
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	A						
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	1/14	/2016						
Pictures:	Attached											
Data:	Table 10											
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH veril cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition		
Signa		Ray	imond .	Карр								
ARCADIS Re	presentative		R	aymond Ka	арр							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #96 Area 37, Lift Station at R-9, Index No. 20150039.45 – Clean Removal Verified 1/14/2016



Pre-Removal



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST												
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-13	Project Area	49	Index #	20150039.46			
SWMU Name:	B/310 LS IW											
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is							
SWMU Comp	onent:	Acid Lift S	Station #1	2								
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d				х			Pass	IBM WWTP			
4. Solid Residua	ls Removed						X	NA	NA			
5.Tank/Pipes Visually Inspected for Integrity								Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass				
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	bected for l	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			x					
				Closure and	Removal	Dates	1					
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	2/24	/2016						
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	AA						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/24	/2016						
Pictures:	Attached											
Data:	Table 22											
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station dismantling and decontamination. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.									tion of lift ling, nd demolition		
Signa	ature		Christopher Goldsmith									
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #12 Area 49, Lift Station at E-13, Index No. 20150039.46 – Clean Removal Verified 2/24/2016



Pre-Removal



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST												
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-14	Project Area	52	Index #	20150039.47			
SWMU Name:	B/310 LS IW											
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	is							
SWMU Comp	onent:	Acid Lift	Station #	59								
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			Х							
3. Fluids Drained	d				х			Pass	IBM WWTP			
4. Solid Residua	ls Removed						X	NA	NA			
5.Tank/Pipes Visually Inspected for Integrity								Pass				
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass				
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			х					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	2/22	/2016						
2. Date Containn	nent Pit/Trench	Verified Cle	an		١	AA						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/22	/2016						
Pictures:	Attached											
Data:	Table 19											
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station dismantling and decontamination. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.								tion of lift ling, nd demolition			
Signa	ature		Christopher Goldsmith									
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #59 Area 52, Lift Station at F-14, Index No. 20150039.47 – Clean Removal Verified 2/22/2016



Pre-Removal



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST												
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-14	Project Area	52	Index #	20150039.48			
SWMU Name:		B/310 LS IW										
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	ns							
SWMU Component: Acid Lift Station #61												
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			X							
3. Fluids Drained	d				X			Pass	IBM WWTP			
4. Solid Residua	ls Removed						х	NA	NA			
5.Tank/Pipes Visually Inspected for Integrity								Pass				
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass				
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			x	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note		
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			х					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	2/22	/2016						
2. Date Containn	nent Pit/Trench	Verified Cle	an		١	A						
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/22/2016							
Pictures:	Attached											
Data:	Table 19											
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station dismantling and decontamination. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.								tion of lift ling, nd demolition			
Signa	ature		Christopher Goldsmith									
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #61 Area 52, Lift Station at F-14, Index No. 20150039.48 – Clean Removal Verified 2/22/2016



Pre-Removal



			SOL	ID WASTE M		VENT UN LIST	IT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-15	Project Area	52	Index #	2015(20150039.49		
SWMU Name	:	B/310 LS	IW		<u> </u>	, I		<u> </u>	<u>, </u>			
SWMU Descr	iption:	Industrial	Wastewa	ater Lift Statior	าร							
SWMU Comp	onent:	Previous	y Remove	ed Acid Lift St	ation							
Decommissioning Record												
Environmental Items:					Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination				x						
2. Pictures Take	n Post-Remova	1			x							
3. Fluids Draine	d						x	NA				
4. Solid Residua	Is Removed						х	NA				
5.Tank/Pipes Vis	sually inspected	I for Integrity	/				х	NA				
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA				
7.Tank/Pipes Sa	mpled for Other	r Waste Con	stituents				x	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity			x	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ı			x	NA				
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents			x	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			x					
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place	[x					
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015						
2. Date Containr	nent Pit/Trench	Verified Cle	an		N	١A						
3. SWMU (Removed, 4 Removed, Clo	J Status Component psed in Place)	Componen	t Removed	Status Change Date:	11/25/2015							
Pictures:	Attached											
Data:	NA											
Notes:	Acid lift station was removed prior to B310 SWMU inventory reconnaissance on 11/25/2015.											
Signa	ature				Ray	fmond (Карр					
ARCADIS Representative		Raymond Kapp										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station – Unlabeled Area 52, Lift Station at H-15, Index No. 20150039.49 – Removed Prior to 11/25/2015

Previously Removed Lift Station



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-17	Project Area	56	Index #	20150039.51		
SWMU Name:		B/310 LS IW									
SWMU Descri	ption:	Industrial V	Nastewa	ter Lift Statior	ıs						
SWMU Compo	onent:	Acid Lift St	tation E0	COL #2377							
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	b				х			Pass	IBM WWTP		
4. Solid Residua	ls Removed						х	NA	NA		
5.Tank/Pipes Vis	sually inspected	I for Integrity			Х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass			
7.Tank/Pipes Sa	mpled for Other	r Waste Const	tituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Inspe	cted for li	ntegrity			х	NA			
9.Spill Containm	ent Pit/Trench	Sampled for S	Surface pH	1			х	NA			
10.Spill Containr	ment Pit/Trench	Sampled for	Other Cor	nstituents			х	NA			
11. SWMU Tank/	Pipes Approve	d and Remove	ed From F	acility	х				See Note		
12. SWMU Conta	ainment Pit/Trer	nch Approved	for Backf	ill in Place			х				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated f	for Dispos	al	7/19/	/2016					
2. Date Containn	nent Pit/Trench	Verified Clear	n		N	A					
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component I	Removed	Status Change Date:	7/19/2016						
Pictures:	Attached										
Data:	Table 28										
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station dismantling and decontamination. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.									tion of lift n-hazardous nty Landfill,	
Signa	iture				Christopher Goldsmith						
ARCADIS Re	presentative	Christopher Goldsmith									

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2377 Area 56, Lift Station at H-17, Index No. 20150039.51 – Clean Removal Verified 7/19/2016



Pre-Removal

Decontaminated Pump


			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN _IST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-17	Project Area	57	Index #	20150	039.52
SWMU Name:		B/310 LS IV	N							
SWMU Descri	ption:	Industrial V	Nastewa	ter Lift Statior	IS					
SWMU Comp	onent:	Acid Lift St	tation E0	COL #2376						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			Х					
2. Pictures Take	n Post-Deconta	mination			Х					
3. Fluids Drained	b				Х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	for Integrity			Х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Const	tituents				х	NA		
8.Spill Containm	ent Pit/Trench	visually Inspe	cted for li	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for S	Surface pH	l			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled for	Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remove	ed From F	acility	х				See Note	
12. SWMU Conta	ainment Pit/Trer	ich Approved	for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated f	for Dispos	al	2/24	/2016				
2. Date Containn	nent Pit/Trench	Verified Clear	n		N	A				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component I	Removed	Status Change Date:	2/24	/2016				
Pictures:	Attached									
Data:	Table 21									
Notes:	Visual inspecti station disman construction a Stanley, NY.	on for debris t tling and deco nd demolition	free cond ontaminat debris tra	ition and pH verif ion. Plastic com ansported to the	fication with ponents we Seneca Mea	n Hydrion to ere separate adows Lano	est strips wa ed and dispo dfill, Waterlo	as conducted osed with the oo, NY and th	I upon comple rest of the no e Ontario Cou	tion of lift n-hazardous nty Landfill,
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2376 Area 57, Lift Station at G-17, Index No. 20150039.52 – Clean Removal Verified 2/24/2016

Pre-Removal







			SOL	ID WASTE M	ANAGE	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	D-19	Project Area	60	Index #	20150	039.53
SWMU Name:		B/310 LS	w		<u>.</u>	<u>.</u>		1		
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station #4	19						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						X	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sampled for Surface pH X Pass										
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			x			
				Closure and	Removal	Dates	-			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	7/19	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		٩	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	7/19	/2016				
Pictures:	Attached									
Data:	Table 11									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH veri tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Holdsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #49 Area 60, Lift Station at D-19, Index No. 20150039.53 – Clean Removal Verified 7/19/2016

Pre-Removal



			SOL	ID WASTE M			IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-19	Project Area	60	Index #	20150	039.54
SWMU Name:		B/310 LS	W	•		<u>.</u>		1		
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	IS					
SWMU Comp	onent:	Acid Lift S	Station #7	71						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			Х					
2. Pictures Take	n Post-Deconta	mination			Х					
3. Fluids Drained	d				X			Pass	IBM WWTP	
4. Solid Residua	ls Removed						Х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	l for Integrity			X			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			X			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			x	NA		
9.Spill Containment Pit/Trench Sampled for Surface pH							x	NA		
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility	X				See Note	See Note
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates	1			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	7/28	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	A				
3. SWMD (Removed, C Removed, Clo	Component sed in Place)	Component	Removed	Status Change Date:	7/28	/2016				
Pictures:	Attached									
Data:	Table 11									
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and dee Plastic comp rted to the S	s free cond contaminat onents we eneca Mea	ition and pH verit tion. Metal was se re separated and dows Landfill, Wa	ication with parated an disposed v aterloo, NY	h Hydrion to d recycled vith the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	d upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Loldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #71 Area 60, Lift Station at E-19, Index No. 20150039.54 – Clean Removal Verified 7/28/2016

Pre-Removal





			SOL	ID WASTE M		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-20	Project Area	60	Index #	20150	039.55
SWMU Name:		B/310 LS	IW							
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station #	50						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained X Pass IBI 4. Solid Residuals Removed X NA									IBM WWTP	
4. Solid Residua	Is Removed						х	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for l	ntegrity	х			Pass		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH								Pass		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	х					
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	1/20	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/20	/2016				
Pictures:	Attached									
Data:	Table 11									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH verifition. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Yoldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #50 Area 60, Lift Station at E-20, Index No. 20150039.55

Pre-Removal - Lift Station in Secondary Containment Pit



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #50 Area 60, Lift Station at E-20, Index No. 20150039.55 – Clean Removal Verified 1/20/2016

Decontaminated Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	D-20	Project Area	60	Index #	20150	039.56
SWMU Name:		B/310 LS	IW	-				-		
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is					
SWMU Comp	onent:	Acid Lift S	Station #4	18						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for l	ntegrity			х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	1/14	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/14	/2016				
Pictures:	Attached									
Data:	Table 11									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH veril cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	ature				Ray	imond.	Карр			
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #48 Area 60, Lift Station at D-20, Index No. 20150039.56 – Clean Removal Verified 1/14/2016

Pre-Removal Lift Station Under Sink



Removed Lift Station



			SOL	ID WASTE M	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-19	Project Area	61	Index #	20150	039.57
SWMU Name:		B/310 LS	IW							
SWMU Descrij	ption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Compo	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on #32				
				Decommiss	ioning Re	cord				
Environmental Ite	ems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Taken	n Pre-Decontan	nination			х					
2. Pictures Taken	n Post-Deconta	mination			х					
3. Fluids Drained	l						х	NA	NA	
4. Solid Residual	s Removed						x	NA	NA	
5.Tank/Pipes Visi	ually Inspected	l for Integrity	1				X	NA		
6.Tank/Pipes San	npled for Surfa	ice pH					X	NA		
7.Tank/Pipes San	npled for Othe	r Waste Con	stituents				X	NA		ļ
8.Spill Containme	ent Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass		ļ
9.Spill Containme	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass		
10.Spill Containm	nent Pit/Trench	Sampled fo	r Other Co	nstituents			X	NA		
11. SWMU Tank/F	Pipes Approve	d and Remov	/ed From F	acility			X			
12. SWMU Contai	inment Pit/Trei	nch Approve	d for Back	fill in Place	х					
				Closure and	Removal	Dates				
1. Date Tank/Pipe	es Verified Dec	ontaminated	for Dispos	al	Ν	A				
2. Date Containm	ent Pit/Trench	Verified Cle	an	1	1/18	/2016				
3. SWMU (Removed, C Removed, Clos	Status component sed in Place)	Componen	t Removed	Status Change Date:	1/18	/2016				
Pictures:	Attached									
Data:	Table 12									
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH wither condition	th Hydrion t I.	est strips to	verify neutral	range (pH 5-
Signat	Signature Christopher Goldsmith									
ARCADIS Rep	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #32 Area 61, Lift Station at B-19, Index No. 20150039.57 – Clean Removal Verified 1/18/2016

Previously Removed Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-20	Project Area	61	Index #	20150	039.58
SWMU Name:		B/310 LS	w		-	-		-		
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station #9	91						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	2/22	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	2/22	/2016				
Pictures:	Attached									
Data:	Table 12									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	ition and pH veril tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conductec etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition		
Signa	ature				Christo	pher D	oldsmith			
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #91 Area 61, Lift Station at B-20, Index No. 20150039.58 – Clean Removal Verified 2/22/2016

Pre-Removal



			SOL	ID WASTE M	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-19	Project Area	61	Index #	20150	0039.59
SWMU Name:		B/310 LS	IW		-	-	-			
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Comp	onent:	Previous	y Remove	ed Acid Lift Sta	ation #92,	Near Are	as 33 & 34	4		
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Drained	b						х	NA		
4. Solid Residua	Is Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				х	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for li	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	ł			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	11/28	5/2015				
Pictures:	NA									
Data:	NA									
Notes:	Acid lift statior	ı was remov	ed prior to	B310 SWMU inve	entory recor	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #92 Area 61, Lift Station at B-20, Index No. 20150039.59 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-19	Project Area	65	Index #	20150	039.61
SWMU Name:		B/310 LS	IW				•			
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	IS					
SWMU Comp	onent:	Acid Lift	Station #9	00						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			Х					
3. Fluids Drained	d				Х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						X	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		Х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	7/28	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		١	A				
3. SWMU (Removed, C Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	7/28	/2016				
Pictures:	Attached									
Data:	Table 30									
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we reneca Mea	ition and pH veri iion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non- tario Count	as conductec etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #90 Area 65, Lift Station at B-19, Index No. 20150039.61 – Clean Removal Verified 7/28/2016

Pre-Removal

Decontaminated Lift Station Pump Unit



			SOL	ID WASTE M		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-21	Project Area	66	Index #	20150	039.62
SWMU Name:		B/310 LS	w							
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	าร					
SWMU Comp	onent:	Acid Lift S	Station E	COL #2468						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			x					
3. Fluids Drained	d				X			Pass	IBM WWTP	
4. Solid Residua	ls Removed						X	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		X			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			Х			Pass		
7.Tank/Pipes Sa	mpled for Other	Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			X	NA		
9.Spill Containment Pit/Trench Sampled for Surface pH							X	NA		
10.Spill Containi		and Remov	r Other Co		v		X	NA	See Note	
12 SWMU Conta	Pipes Approve		d for Back		*				See Note	
				Closure and	Removal	Dates	X			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	7/19	/2016	<u> </u>	_	_	_
2. Date Containn	nent Pit/Trench	Verified Clea	an .		1	IA				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	t Removed	Status Change Date:	7/19	/2016				
Pictures:	Attached				8					
Data:	Table 27									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat oonents we eneca Mea	ition and pH verifition. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	ature				Christo	pher Do	oldsmith			
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2468 Area 66, Lift Station at C-21, Index No. 20150039.62 – Clean Removal Verified 7/19/2016

Pre-Removal



Decontaminated Pump



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-23	Project Area	68	Index #	20150	039.63
SWMU Name:		B/310 LS	IW	-				-		
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	IS					
SWMU Comp	onent:	Acid Lift	Station #2	24						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d						х	NA	NA	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for l	ntegrity			х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	8/18	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	8/18	/2016				
Pictures:	Attached									
Data:	Table 31									
Notes:	Visual inspecti station dismar Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we ceneca Mea	ition and pH verii cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled vith the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition
Signa	ature				Christo	pher Do	oldsmith			
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #24 Area 68, Lift Station at E-23, Index No. 20150039.63 – Clean Removal Verified 8/18/16

Pre-Removal





			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-23 (west)	Project Area	69	Index #	20150	039.64
SWMU Name:		B/310 LS	w	-				-		
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	is					
SWMU Comp	onent:	Acid Lift S	Station #5	57						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Other	· Waste Con	stituents				х	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity 9.Spill Containment Pit/Trench Sampled for Surface pH							х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/13	/2016				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/13	/2016				
Pictures:	Attached									
Data:	Table 31									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verii cion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to d recycled vith the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	ature				Ray	imond .	Карр			
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #57 Area 69, Lift Station at C-23 (West), Index No. 20150039.64 – Clean Removal Verified 1/13/2016

Pre-Removal







			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT							
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	D-24	Project Area	69	Index #	20150039.65					
SWMU Name:		B/310 LS	IW		-									
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs									
SWMU Comp	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on #40								
				Decommiss	ioning Re	cord								
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name				
1. Pictures Take	n Pre-Decontan	nination			х									
2. Pictures Take	n Post-Deconta	mination			х									
3. Fluids Drained	b						х	NA	NA					
4. Solid Residua	ls Removed						Х	NA	NA					
5.Tank/Pipes Visually Inspected for Integrity							x	NA						
6.Tank/Pipes Sa	mpled for Surfa	ce pH					X	NA						
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				Х	NA						
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass						
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass						
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA						
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х							
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place	х									
				Closure and	Removal	Dates								
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Ν	A								
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/13	/2016								
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/13/2016									
Pictures:	Attached													
Data:	Table 4													
Notes:	Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.													
Signa	iture				Ray	imond .	Карр							
ARCADIS Representative					R	aymond Ka	арр							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #40 Area 69, Lift Station at D-24, Index No. 20150039.65 – Clean Removal Verified 1/13/2016

Previously Removed Lift Station





			SOL	ID WASTE M	ANAGEN CHECKI	/IENT UN LIST	IIT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-24	Project Area	69	Index #	20150039.66			
SWMU Name:	-	B/310 LS	IW				-	-				
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	IS							
SWMU Comp	onent:	Covered I	Pit for Pre	eviously Remo	ved Unlal	peled Aci	d Lift Stati	on				
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			Х							
2. Pictures Take	n Post-Deconta	mination			X							
3. Fluids Drained	ł						X	NA	NA			
4. Solid Residua	Is Removed						X	NA	NA			
5.Tank/Pipes Vis	sually Inspected	for Integrity	/				X	NA				
6.Tank/Pipes Sa	mpled for Surfa	ice pH					X	NA				
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				X	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	bected for l	ntegrity	Х			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	X			Pass				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			X	NA				
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			X					
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	fill in Place	X							
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	N	A						
2. Date Containn 3. SWMU (Removed, 0	nent Pit/Trench I Status Component	Verified Cle Componen	an t Removed	Status Change	9/6/ 9/6/	9/6/2016						
Removed, Clo	sed in Place)			Date:								
Pictures:	Attached											
Notes:	Data: I able 4 Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5-8), and visually inspected to verify general integrity and debris-free condition.											
Signa	iture				Christopher Goldsmith							
ARCADIS Representative					Chris	topher Gol	dsmith					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station - Unlabeled Area 69, Pit for Previously Removed Lift Station at E-24, Index No. 20150039.66 – Inspected and Sampled on <u>9/6/2016</u>

Previously Removed Lift Station Covered Pit





			SOL	ID WASTE M		IENT UN	IT						
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-24 (west)	Project Area	69	Index #	20150039.67				
SWMU Name:	:	B/310 LS	IW										
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs								
SWMU Comp	onent:	Pit for Pre	eviously F	Removed Slurr	ry Lift Sta	tion (Unla	beled)						
Decommissioning Record													
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name			
1. Pictures Take	n Pre-Decontan	nination			x								
2. Pictures Take	n Post-Deconta	mination			х								
3. Fluids Drained	d						х	NA	NA				
4. Solid Residua	Is Removed						X	NA	NA				
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/			<u> </u>	x	NA					
6.Tank/Pipes Sa	mpled for Surfa	ice pH			<u> </u>	<u> </u>	X	NA					
7.Tank/Pipes Sa	mpled for Other	r Waste Con	stituents		 	<u> </u>	X	NA					
8.Spill Containm	ent Pit/Trench	Visually Insp	bected for li	ntegrity	x			Pass					
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	x		 	Pass					
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents	 		x	NA					
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	 		x						
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place	X								
				Closure and	Removal	Dates	_						
1. Date Tank/Pip	es Verified Dec	ontaminated	I for Dispos	al	N	NA							
2. Date Containn 3. SWML (Removed, (nent Pit/Trench J Status Component	Verified Cle	an t Removed	Status Change Date:	1/13	1/13/2016							
Pictures:	Attached			<u> </u>									
Data:	Table 4												
Notes:	Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.												
Signa	ature		Raymond Kapp										
ARCADIS Representative					R	aymond Ka	арр						

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station – Unlabeled Number Area 69, Pit for Previously Removed Slurry Lift Station at C-24 (west), Index No. 20150039.67 – Inspected and Sampled on 1/13/2016

Previously Removed Lift Station





			SOL	ID WASTE M		/ENT UN LIST	IT							
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-24 (east)	Project Area	70	Index #	20150039.68					
SWMU Name:	:	B/310 LS	IW											
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	ıs									
SWMU Comp	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on (Unlab	eled)							
Decommissioning Record														
Environmental I	Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name								
1. Pictures Take	n Pre-Decontan	nination			x	<u> </u>								
2. Pictures Take	n Post-Deconta	mination			x	<u> </u>								
3. Fluids Drained	d					<u> </u>	x	NA	NA					
4. Solid Residua	Is Removed				<u> </u>	<u> </u>	X	NA	NA					
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		<u> </u>	<u> </u>	X	NA						
6.Tank/Pipes Sa	mpled for Surfa	ice pH			<u> </u>	<u> </u>	Х	NA						
7.Tank/Pipes Sa	mpled for Other	r Waste Con	stituents		<u> </u>	<u> </u>	X	NA						
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity	X	<u> </u>	<u> </u>	Pass						
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I	x	<u> </u>	<u> </u>	Pass						
10.Spill Contain	ment Pit/Trench	I Sampled fo	r Other Cor	nstituents		<u> </u>	x	NA						
11. SWMU Tank/	Pipes Approved	d and Remov	ved From Fa	acility		<u> </u>	x							
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place	x									
				Closure and	Removal	Dates								
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	N	A								
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/13	/2016								
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/13	/2016								
Pictures:	Attached							_						
Data:	Table 5													
Notes:	Secondary cor 8), and visually	ntainment pit y inspected t	t was press to verify gei	ure washed and energy integrity and	dried, teste d debris-fre	d for pH wit	th Hydrion to 1.	est strips to	verify neutral	range (pH 5-				
Signa	ature				Ray	pmond (Карр							
ARCADIS Re	presentative				R	aymond Ka	арр							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station - Unlabeled Area 70, Pit for Previously Removed Lift Station at C-24 (east), Index No. 20150039.68 – Inspected and Sampled on 1/13/2016

Previously Removed Lift Station





			SOL	ID WASTE M		MENT UN LIST	IT							
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	A-24	Project Area	70	Index #	20150039.69					
SWMU Name:	-	B/310 LS	IW			-	-	-						
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	าร									
SWMU Compo	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on #42								
Decommissioning Record														
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name				
1. Pictures Take	n Pre-Decontan	nination			х									
2. Pictures Take	n Post-Deconta	mination			х									
3. Fluids Drained	b						х	NA	NA					
4. Solid Residua	Is Removed						x	NA	NA					
5.Tank/Pipes Vis	sually inspected	for Integrity	/				X	NA						
6.Tank/Pipes Sa	mpled for Surfa	ice pH					X	NA						
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA						
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass						
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	х			Pass						
10.Spill Containr	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA						
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х							
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Back	fill in Place	x									
				Closure and	Removal	Dates	T							
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	N	A								
2. Date Containn	nent Pit/Trench	Verified Clea	an		1/13	/2016								
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	1/13/2016									
Pictures:	Attached													
Data:	Table 5													
Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.										range (pH 5-				
Signa	iture				Ray	imond .	Карр							
ARCADIS Representative					R	aymond Ka	арр							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #42 Area 70, Pit for Previously Removed Lift Station at A-24, Index No. 20150039.69 – Inspected and Sampled on 1/13/2016

Previously Removed Lift Station





			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-25 (east)	Project Area	70	Index #	20150039.71		
SWMU Name:	-	B/310 LS	LSIW								
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs						
SWMU Comp	onent:	Pit for Pre	eviously F	Removed Acid	Lift Statio	on #45					
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	b						х	NA	NA		
4. Solid Residua	ls Removed						Х	NA	NA		
5.Tank/Pipes Vis	sually inspected	for Integrity	/				x	NA			
6.Tank/Pipes Sa	mpled for Surfa	ice pH					X	NA			
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	х			Pass			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA			
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			х				
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	х						
				Closure and	Removal	Dates	-				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	Ν	A					
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/13	/2016					
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/13/2016						
Pictures:	Attached										
Data:	Table 5										
Notes:	Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.										
Signa	nture				Ray	imond.	Карр				
ARCADIS Representative					R	aymond Ka	арр				
Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #45 Area 70, Pit for Previously Removed Lift Station at C-25 (east), Index No. 20150039.71 – Inspected and Sampled on 1/13/2016

Previously Removed Lift Station





			SOL	ID WASTE M. CLOSURE	ANAGEN CHECK	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-25	Project Area	70	Index #	20150 20150	039.72 039.73
SWMU Name:		B/310 LS	w	-	-	-		-		
SWMU Descri	iption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Comp	onent:	Small Pits	for two l	Previously Rer	noved Ur	labeled A	cid Lift St	ations		
		-		Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d						х	NA	NA	
4. Solid Residua	ls Removed						x	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1				X	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					X	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				X	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity								Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I	х			Pass		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility			X			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place	X					
-				Closure and	Removal	Dates	-			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	١	A				
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/18	/2016				
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	1/18	/2016				
Pictures:	Attached									
Data:	Table 5									
Notes:	Secondary cor 8), and visually	ntainment pit / inspected t	s were pre o verify ge	ssure washed an neral integrity an	d dried, tes d debris-fre	ted for pH vec condition	with Hydrior I.	n test strips t	o verify neutra	al range (pH 5-
Signa	Signature Christopher Holdsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station – Unknown Area 70, Trench for Previously Removed Lift Station at B-25, Index No. 20150039.72 – Inspected and Sampled on 1/18/2016

Previously Removed Lift Station Covered Pit





Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station – Unknown Area 70, Trench for Previously Removed Lift Station at B-25, Index No. 20150039.73 – Inspected and Sampled on 1/18/2016

Previously Removed Lift Station Covered Pit





			SOL	ID WASTE M		/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	B-25	Project Area	70	Index #	20150	039.74
SWMU Name:		B/310 LS	w			•				
SWMU Descri	ption:	Industrial	Wastewa	ter Lift Statior	ıs					
SWMU Compo	onent:	Pit for Pre	eviously F	Removed Slurr	y Lift Sta	tion #3				
		<u>.</u>		Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d						Х	NA	NA	
4. Solid Residua	Is Removed						x	NA	NA	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1				X	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					X	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				X	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity	Х			Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1	Х			Pass		
10.Spill Containr	ment Pit/Trench	Sampled fo	r Other Co	nstituents			X	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility			X			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place	X					
				Closure and	Removal	Dates	1			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	N	A				
2. Date Containn 3. SWMU	nent Pit/Trench I Status	Verified Cle	an	Status Change	1/18	/2016				
(Removed, C Removed, Clo	Component sed in Place)	Componen	t Removed	Date:	1/18	/2016				
Pictures:	Attached									
Data:	Table 5									
Notes:	Secondary cor 8), and visually	ntainment pil / inspected t	∵was press o verify ge	ure washed and neral integrity an	dried, teste d debris-fre	d for pH with the condition	th Hydrion t	est strips to	verify neutral	range (pH 5-
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	topher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station Slurry #3 Area 70, Trench for Previously Removed Lift Station at B-25, Index No. 20150039.74 – Inspected and Sampled on 1/18/2016

Previously Removed Lift Station





			SOL	ID WASTE M. CLOSURE		IENT UN	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	C-25 (east)	Project Area	70	Index #	20150)039.75
SWMU Name:		B/310 LS	w							
SWMU Descri	iption:	Industrial	Wastewa	iter Lift Station	ıs					
SWMU Comp	onent:	Previousl	y Remove	ed Acid Lift Sta	ation #47					
				ioning Re	cord					
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Drained	d						х	NA		
4. Solid Residua	ls Removed					\square	х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН				\square	x	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for In	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From Fa	acility			х			
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	IA				
3. SWML (Removed, 0 Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Acid lift statior	ו was remov	ed prior to	B310 SWMU inve	ntory recor	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #47 Area 70, Previously Removed Lift Station at C-25 (east), Index No. 20150039.75 –

Previously Removed Lift Station



			SOL	ID WASTE M	ANAGE	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	E-25	Project Area	72	Index #	20150	039.76
SWMU Name:		B/310 LS	w							
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station E	COL #2477						
				Decommiss	ioning Re	ecord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	b				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						x	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity							x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			х			
				Closure and	Removal	Dates	-			
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	7/19	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		٩	A				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	7/19	/2016				
Pictures:	Attached									
Data:	Table 29									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH verifition. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc construction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2477 Area 72, Lift Station at E-25, Index No. 20150039.76 – Clean Removal Verified 7/19/2016



Pre-Removal

Decontaminated Pump Unit



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	X-10	Project Area	Near 33	Index #	20150	039.87
SWMU Name:		B/310 LS	W		-	-				
SWMU Descri	iption:	Industrial	Wastewa	ater Lift Statior	าร					
SWMU Comp	onent:	Acid Lift S	Station E	COL #2304						
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	d				х			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	l for Integrity	,		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	· Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for l	ntegrity			х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	1			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility	х				See Note	
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	fill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	1/14	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		Ν	A				
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	1/14	/2016				
Pictures:	Attached									
Data:	Table 7									
Notes:	Visual inspecti station disman construction a Stanley, NY.	on for debris tling and dea nd demolitio	s free cond contaminat n debris tra	ition and pH veri tion. Plastic com ansported to the	fication with ponents we Seneca Mea	h Hydrion to ere separate adows Lano	est strips wa ed and dispo dfill, Waterlo	as conducted osed with the oo, NY and th	l upon comple rest of the no e Ontario Cou	tion of lift n-hazardous nty Landfill,
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2304 Near Area 33, Lift Station at X-10, Index No. 20150039.87 – Clean Removal Verified 1/14/2016

Pre-Removal



Decontaminated Lift Station



			SOL	ID WASTE M. CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	X-10	Project Area	Near 33 & 34	Index #	20150	039.88
SWMU Name	:	B/310 LS	IW							
SWMU Descr	iption:	Industrial	Wastewa	ter Lift Statior	IS					
SWMU Comp	onent:	Previousl	y Remove	ed Acid Lift Sta	ation #93					
				ioning Re	ecord					
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Draine	d						x	NA		
4. Solid Residua	als Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA		
8.Spill Containn	nent Pit/Trench	Visually Insp	ected for li	ntegrity			x	NA		
9.Spill Containn	nent Pit/Trench	Sampled for	Surface p⊦	I			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			x	NA		
11. SWMU Tank	/Pipes Approve	d and Remov	/ed From F	acility			x			
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Contain	nent Pit/Trench	Verified Clea	an		Ν	AA				
3. SWMU (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	t Removed	Status Change Date:	11/28	5/2015				
Pictures:	NA									
Data:	NA									
Notes:	Acid lift station	n was remov	ed prior to	B310 SWMU inve	ntory recor	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #93 Near Area 33 & 34, Lift Station at X-10, Index No. 20150039.88 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M. CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	X-10	Project Area	Near 33 & 34	Index #	20150	039.89
SWMU Name	:	B/310 LS	w	-				-		
SWMU Descr	iption:	Industrial	Wastewa	ter Lift Statior	is					
SWMU Comp	onent:	Previously	y Remove	ed Acid Lift Sta	ation #35					
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	I			х					
3. Fluids Draine	d						x	NA		
4. Solid Residua	als Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	l for Integrity					x	NA		
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA		
7.Tank/Pipes Sa	mpled for Othe	· Waste Cons	stituents				x	NA		
8.Spill Containm	nent Pit/Trench	Visually Insp	ected for li	ntegrity			х	NA		
9.Spill Containm	nent Pit/Trench	Sampled for	Surface pH	I			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			х	NA		
11. SWMU Tank	Pipes Approve	d and Remov	ed From F	acility			х			
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	Remove 11/25	d prior to 5/2015				
2. Date Containr	ment Pit/Trench	Verified Clea	an		r	A				
3. SWML (Removed, 0 Removed, Clo	J Status Component osed in Place)	Component	Removed	Status Change Date:	11/28	5/2015				
Pictures:	NA									
Data:	NA									
Notes:	Acid lift station	n was remove	ed prior to	B310 SWMU inve	ntory recor	nnaissance	on 11/25/20	15.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station #35 Near Area 33 & 34, Lift Station at X-10, Index No. 20150039.89 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M	ANAGEN CHECKI	MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-17	Project Area	Near 52	Index #	20150	039.91
SWMU Name:		B/310 LS	w				•			
SWMU Descri	ption:	Industrial	Wastewa	ater Lift Statior	ıs					
SWMU Comp	onent:	Acid Lift S	Station E	COL #2263						
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Drained	b				х			Pass	IBM WWTP	
4. Solid Residua	Is Removed						x	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	1		х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Cons	stituents				x	NA		
8.Spill Containment Pit/Trench Visually Inspected for Integrity							х	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	/ed From F	acility	х				See Note	See Note
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	sal	2/24	/2016				
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	A				
3. SWMU (Removed, C Removed, Clo	l Status Component sed in Place)	Component	t Removed	Status Change Date:	2/24	/2016				
Pictures:	Attached									
Data:	Table 19									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and de Plastic comp rted to the S	s free cond contaminat conents we eneca Mea	ition and pH veri tion. Metal was se re separated and dows Landfill, Wa	fication with eparated an disposed v aterloo, NY	h Hydrion to Id recycled with the res and the On	est strips wa as scrap me t of the non- tario Count	as conductec etal by Millen hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Christopher Goldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS IW – Industrial Wastewater Lift Station ECOL #2263 Near Area 52, Lift Station at F-17, Index No. 20150039.91 – Clean Removal Verified 2/24/2016

Pre-Removal







			SOL	ID WASTE M CLOSURE		MENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-24	Project Area	1	Index #	20150)040.1
SWMU Name		B/310 LS :	SO		<u> </u>			8		
SWMU Descr	iption:	Solvent W	aste Lift	Stations						
SWMU Comp	onent:	Solvent Li	ft station	- Brass Tag #	ECOL 23	63				
				Decommiss	ioning Re	ecord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Draine	d				x			Pass	IBM WWTP	
4. Solid Residua	ls Removed						х	NA	NA	
5.Tank/Pipes Vis	sually Inspected	l for Integrity			х			Pass		
6.Tank/Pipes Sa	mpled for Surfa	ce pH			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	· Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity	х			Pass		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			x	NA		
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			х	NA		
11.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			х	NA		
12. SWMU Tank/	Pipes Approve	d and Remov	ed From F	acility	х				See Note	See Note
11. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place			х			
				Closure and	Removal	Dates	1			
1. Date Tank/Pip	es Verified Clea	an for Scrap	Recycling		1/4/	2016				
2. Date Containr	nent Pit/Trench	Verified Clea	an		1	A				
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	1/4/	2016				
Pictures:	Attached									
Data:	Table 2									
Notes:	Visual inspecti station disman Kingston, NY. debris transpo	on for debris tling and dec Plastic comp rted to the S	s free cond contaminat onents we eneca Mea	ition and pH veri ion. Metal was se re separated and dows Landfill, Wa	fication wit eparated an disposed v aterloo, NY	h Hydrion to id recycled with the res and the On	est strips wa as scrap me t of the non tario Count	as conducted etal by Millen -hazardous c y Landfill, Sta	l upon comple s Metal Recyc onstruction ar anley, NY.	tion of lift ling, nd demolition
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				F	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station ECOL #2363 Area 1, Lift Station at H-24, Index No. 20150040.1 – Clean Removal Verified 1/4/2016

Pre-Removal

Decontaminated



			SOL	ID WASTE M. CLOSURE	ANAGEN CHECKI	/ENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-4.5	Project Area	4	Index #	2015	0040.2
SWMU Name:	:	B/310 LS	SO				<u> </u>			
SWMU Descri	iption:	Solvent W	laste Lift	Stations						
SWMU Comp	onent:	Previous	y Remove	ed Solvent Lift	station #	3				
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova				x	<u> </u>				
3. Fluids Drained	d					Ļ	X	NA	NA	
4. Solid Residua	Is Removed						x	NA	NA	
5.Tank/Pipes Vis	sually inspected	I for Integrity	/			┣───	X	NA		
6.Tank/Pipes Sa	mpled for Surta	ice pH				──	X	NA		
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents	·		┣───		NA		
8.Spill Containm		┣───	X	Pass						
9.5pm Containin		┣───		Pass NA						
11. SWMU Tank		d and Remor	ved From F	acility			×			
12. SWMU Conta	ainment Pit/Tre	nch Approve	d for Backf	ill in Place		├	x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispoទ	al	N	1A				
2. Date Containn	nent Pit/Trench	Verified Cle	an		1/20/	/2016				
3. SWML (Removed, 0 Removed, Clo	J Status Component osed in Place)	Componen [,]	t Removed	Status Change Date:	1/20/	/2016				
Pictures:	Attached									
Data:	Table 14									
Notes:	Solvent lift sta	tion was rem	loved prior	to B310 SWMU in	nventory re	connaissar	1ce on 11/25	;/2015.		
Signa	Signature Christopher Yoldsmith									
ARCADIS Re	presentative				Chris	stopher Gol	dsmith			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #3 Area 4, Lift Station at G-4.5, Index No. 20150040.2 - Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/ENT UN LIST	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-4.5	Project Area	4	Index #	2015	0040.3
SWMU Name:		B/310 LS	SO			-				
SWMU Descri	iption:	Solvent W	/aste Lift	Stations						
SWMU Comp	onent:	Solvent M	IW (mixed	l waste) Lift st	ation #2					
				Decommiss	ioning Re	cord				
Environmental It	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				х				
2. Pictures Take	n Post-Remova	1			х					
3. Fluids Drained	d						x	NA		
4. Solid Residua	Is Removed						х	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН					х	NA		
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity			x	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	ł			х	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From F	acility			x			
12. SWMU Conta	ainment Pit/Trer	ich Approve	d for Backf	ill in Place			х			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Cle	an		Ν	1A				
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Componen	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Solvent lift sta	tion was rem	loved prior	to B310 SWMU in	nventory re	connaissar	nce on 11/25	/2015.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #2– Mixed Waste Area 4, Lift Station at H-4.5, Index No. 20150040.3 – Removed Prior to 11/25/2015

Previously Removed Lift Station





			SOL	ID WASTE M	ANAGEN	IENT UN	IT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	H-4.5	Project Area	4	Index #	2015	60040.4
SWMU Name:	:	B/310 LS	so				.4		L	
SWMU Descri	iption:	Solvent W	laste Lift	Stations						
SWMU Comp	onent:	Solvent L	ift station	ı #1						
				Decommiss	ioning Re	cord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination				x				
2. Pictures Take	n Post-Remova	1			х					
3. Fluids Drained	d						x	NA		
4. Solid Residua	Is Removed					ļ	x	NA		
5.Tank/Pipes Vis	sually inspected	I for Integrity	/			ļ	x	NA		
6.Tank/Pipes Sa	mpled for Surfa	се рН				ļ	x	NA		
7.Tank/Pipes Sa	mpled for Other	r Waste Cons	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity			x	NA		
9.Spill Containm			x	NA						
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			х	NA		
11. SWMU Tank/	Pipes Approved	d and Remo	ved From F	acility			х			
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place			x			
				Closure and	Removal	Dates				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	al	Remove 11/2	d prior to 5/2015				
2. Date Containn	nent Pit/Trench	Verified Cle	an		N	14				
3. SWML (Removed, 0 Removed, Clo	J Status Component osed in Place)	Componen	t Removed	Status Change Date:	11/25	5/2015				
Pictures:	Attached									
Data:	NA									
Notes:	Solvent lift sta	tion was rem	10ved prior	to B310 SWMU ir	nventory re	connaissar	ıce on 11/25	/2015.		
Signa	Signature Raymond Kapp									
ARCADIS Re	presentative				R	aymond Ka	арр			

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #1 Area 4, Lift Station at H-4.5, Index No. 20150040.4 – Removed Prior to 11/25/2015

Previously Removed Lift Station



			SOI	ID WASTE M CLOSURE	ANAGEN CHECKI	MENT UN LIST	IT				
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	A-2.5	Project Area	13	Index #	20150040.5		
SWMU Name		B/310 LS	SO	•	-	-	-				
SWMU Description: Solvent Waste Lift Stations											
SWMU Comp	onent:	Trench ar	nd Sump	Pit for Previou	sly Remo	ved Solve	ent Lift Sta	ation #11 (c	Irain pipe ir	ı trench)	
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Draine	d						х	NA	NA		
4. Solid Residua	Is Removed						х	NA	NA		
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/				х	NA			
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA			
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				х	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	pected for I	ntegrity	х			Fail			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pl	1	х			Pass			
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents	х			Fail			
11. SWMU Tank	Pipes Approve	d and Remov	ved From F	acility			х				
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Back	fill in Place	х						
				Closure and	Removal	Dates	-				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	1/21	/2016					
2. Date Containr	nent Pit/Trench	Verified Cle	an		1/21	2016					
3. SWMU Status (Removed, Component Removed, Closed in Place) Inactive Date:					9/9/2016						
Pictures:	Attached										
Data:	Table 13	Table 13									
Secondary containment pit for previously removed sump tank and floor trench for drain pipes were pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5-8), and visually inspected to verify general integrity and debris-free condition on 1/21/2016. Drain pipes in trench were flushed with facility water and were verified to be debris free and tested with Hydrion pH test strips to verify neutral range (pH 5-8) on 1/21/2016. Decontaminated steel drain pipes were recycled at Millens Metal Recycling, Kingston, NY. Trench failed integrity inspection on 6/6/2016 based on minor to significant visible erosion of epoxy cement liner in the trench system. Representative core samples (July-August 2016) through the most degraded trench liner sections and analyzed for solvents dispensed in the room confirm liner failure within a 3 ft. section based on presence of trace IPA (45 ppm) in underlying concrete. Status changed from "Active" to 'Inactive" pendng further investigation.											
Signature					Christo	pher D	oldsmith				
ARCADIS Representative				_	Chris	stopher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #11 Area 13, Secondary Sump Pit for Previously Removed Lift Station at A-2.5, Index No. 20150040.5 – Debris-Free Sump Pit Verified 1/20/2016

Previously Removed Lift Station

Decontaminated Secondary Sump Pit for Previously Removed Sump Tank



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #11 Area 13, Trench for Previously Removed Lift Station at A-2.5, Index No. 20150040.5 – Debris-Free Trench Verified 1/20/2016, Failed Integrity Inspection 6/6/2016, Six Trench Bottom Samples Collected 7/27/16 and Two Concrete Samples Beneath Liner Collected 8/17/16

Decontaminated Trench with Degraded Epoxy Cement Liner

Decontaminated Trench with Degraded Epoxy Cement Removed



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	A-1	Project Area	13	Index #	20150040.6		
SWMU Name: B/310 LS SO											
SWMU Description: Solvent Waste Lift Stations											
SWMU Component: Trench and Sump Pit for Previou						oved Solv	vent Lift S	tation #13	(drain pipe	in trench)	
Decommissioning Record											
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	en Pre-Deconta	nination			x						
2. Pictures Take	en Post-Deconta	amination			х						
3. Fluids Draine	d						х	NA	NA		
4. Solid Residua	als Removed						х	NA	NA		
5.Tank/Pipes Vi	sually Inspecte	d for Integrit	у				х	NA			
6.Tank/Pipes Sampled for Surface pH							х	NA			
7.Tank/Pipes Sa	mpled for Othe	r Waste Cor	stituents				х	NA			
8.Spill Containn	nent Pit/Trench	Visually Ins	pected for	Integrity		х		Fail			
9.Spill Containn	nent Pit/Trench	Sampled for	[.] Surface p	н	х			Pass			
10.Spill Contain	10.Spill Containment Pit/Trench Sampled for Other Constituents							Pass			
11. SWMU Tank	/Pipes Approve	d and Remo	ved From I	Facility	х					Millens	
12. SWMU Cont	ainment Pit/Tre	nch Approve	ed for Back	fill in Place	х						
				Closure and	Removal	Dates					
1. Date Tank/Pip	bes Verified Dec	contaminate	d for Dispo	sal	1/21	/2016					
2. Date Contain	ment Pit/Trench	Verified Cle	an		1/21	/2016					
3. SWMU Status (Removed, Component Removed, Closed in Place) Component Removed Date:					9/9/	9/9/2016					
Pictures:	Attached										
Data:	Table 13										
Secondary containment pit for previously removed sump tank and floor trench for drain pipes were pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5-8), and visually inspected to verify general integrity and debris-free condition on 1/21/2016. Drain pipes in trench were flushed with facility water and were verified to be debris free and tested with Hydrion pH test strips to verify neutral range (pH 5-8) on 1/21/2016. Decontaminated steel drain pipes were recycled at Millens Metal Recycling, Kingston, NY. Trench failed integrity inspection on 6/6/2016 based on minor visible erosion of epoxy cement liner. Representative core samples through the most eroded trench liner sections (July 28 2016) and analyzed for the solvents dispensed in this room confirm clean closure due to absence of residual solvents in the liner and underlying concrete.									shed and ral integrity be debris free bipes were visible 28 2016) and le liner and		
Signa	ature				Christo	pher Do	oldsmith				
ARCADIS Representative					Chris	topher Gol	dsmith				

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #13 Area 13, Secondary Sump Pit at End of Trench for Previously Removed Lift Station at A-1, Index No. 20150040.6 – Debris-Free Sump Pit Verified on 1/21/2016

Previously Removed Lift Station



Decontaminated Secondary Sump Pit for Previously Removed Sump Tank



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #13 Area 13, Trench for Previously Removed Lift Station at A-1, Index No. 20150040.6 – Debris-Free Trench Verified on 1/21/2016, Failed Integrity Inspection on 6/6/2016, Trench Bottom Sampled 7/27/16, PID Readings Attributable to Epoxy Cement Lining Heated by Drill Bit Friction

Representative Trench Sample Location



Decontaminated Epoxy Cement Trench



			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT					
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	F-8	Project Area	30	Index #	20150040.7			
SWMU Name:		B/310 LS	so						•			
SWMU Descri	iption:	Solvent W	/aste Lift	Stations								
SWMU Comp	onent:	Pit for Pre	viously F	Removed Solve	ent Lift st	ation #6						
Decommissioning Record												
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d						x	NA	NA			
4. Solid Residua	ls Removed						X	NA	NA			
5.Tank/Pipes Vis	sually Inspected	for Integrity					х	NA				
6.Tank/Pipes Sampled for Surface pH							X	NA				
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				X	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity	х			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦		Х			Pass				
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			X	NA				
11. SWMU Tank/	Pipes Approved	and Remov	ed From Fa	acility			X					
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place	X							
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	N	A						
2. Date Containment Pit/Trench Verified Clean 3. SWMU Status (Removed, Component Component Removed Date:					1/19/2016							
Pictures:	Attached											
Data:	Table 9	able 9										
Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.												
Signature				Christopher Goldsmith								
ARCADIS Representative		Christopher Goldsmith										

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station #6 Area 30, Pit for Previously Removed Lift Station at F-8, Index No. 20150040.7 – Inspected and Sampled on 1/19/2016

Previously Removed Lift Station Solvent Far Right Stainless Steel





			SOL	ID WASTE M CLOSURE	ANAGEN CHECKI	/IENT UN LIST	IT						
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	G-9	Project Area	30	Index #	20150040.8				
SWMU Name:		B/310 LS	so						•				
SWMU Descri	iption:	Solvent W	aste Lift	Stations									
SWMU Comp	onent:	Pit for Pre	viously F	Removed Solve	ent-SM (solvents mixed) Lift station								
Decommissioning Record													
Environmental Items:						No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name			
1. Pictures Take	n Pre-Decontan	nination			х								
2. Pictures Take	n Post-Deconta	mination			х								
3. Fluids Drained	d						x	NA	NA				
4. Solid Residua	ls Removed						X	NA	NA				
5.Tank/Pipes Vis	sually inspected	for Integrity					х	NA					
6.Tank/Pipes Sampled for Surface pH							X	NA					
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				X	NA					
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity	х			Pass					
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦		Х			Pass					
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			X	NA					
11. SWMU Tank/	Pipes Approved	and Remov	ed From Fa	acility			Х						
12. SWMU Conta	ainment Pit/Trer	nch Approve	d for Backf	ill in Place	X								
				Closure and	Removal	Dates							
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	N	A							
2. Date Containment Pit/Trench Verified Clean 3. SWMU Status (Removed, Component Component Removed Date:					1/19/2016								
Pictures:	Attached												
Data:	Table 9	able 9											
Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.													
Signature			Christopher Goldsmith										
ARCADIS Representative		Christopher Goldsmith											

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Area 30, Pit for Previously Removed Lift Station at G-9, Index No. 20150040.8 – Inspected and Sampled on 1/19/2016

Previously Removed Lift Station




	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	M-7	Project Area	30	Index #	2015	0040.9		
SWMU Name:		B/310 LS	so									
SWMU Descri	iption:	Solvent W	aste Lift	Stations								
SWMU Comp	onent:	Pit for Pre	viously F	Removed Solve	ent-SM (solvents mixed) Lift station							
				Decommiss	ioning Re	ecord						
Environmental II		Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name					
1. Pictures Take	n Pre-Decontan	nination			х							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Drained	d						х	NA	NA			
4. Solid Residua	ls Removed						х	NA	NA			
5.Tank/Pipes Vis	sually inspected	for Integrity					х	NA				
6.Tank/Pipes Sa	mpled for Surfa	ce pH					х	NA				
7.Tank/Pipes Sa	mpled for Other	Waste Cons	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity	х			Pass				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface p⊦	1	х			Pass				
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			х	NA				
11. SWMU Tank/	Pipes Approved	d and Remov	ed From Fa	acility			х					
12. SWMU Conta	ainment Pit/Trer	nch Approved	d for Backf	ill in Place	х							
				Closure and	Removal	Dates						
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	N	A						
2. Date Containn	nent Pit/Trench	Verified Clea	an		1/20	/2016						
3. SWMU (Removed, 0 Removed, Clo	J Status Component sed in Place)	Component	Removed	Status Change Date:	1/20	/2016						
Pictures:	Attached											
Data:	Table 9											
Notes:	Notes: Secondary containment pit was pressure washed and dried, tested for pH with Hydrion test strips to verify neutral range (pH 5- 8), and visually inspected to verify general integrity and debris-free condition.											
Signa	ature				Christe	opher G	oldsmith					
ARCADIS Representative					Christopher Goldsmith							

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station – Unlabeled Area 30, Pit for Previously Removed Lift Station at M-7, Index No. 20150040.9 – Inspected and Sampled on 1/20/2016

Previously Removed Lift Station



Decontaminated Pit



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	D-22	Project Area	64	Index #	20150	040.11	
SWMU Name:	, ,	B/310 LS 3	SO								
SWMU Descri	iption:	Solvent W	aste Lift	Stations							
SWMU Comp	onent:	Solvent Li	ift station	stored on floo	or / No La	bel / New	Condition	1			
	Decommissioning Record										
Environmental If	iems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			х						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Drained	t.						x	NA	NA		
4. Solid Residua	Is Removed						х	NA	NA		
5.Tank/Pipes Vis	ually Inspected	I for Integrity	'		х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	се рН			х	\square		Pass			
7.Tank/Pipes Sa	mpled for Other	r Waste Cons	stituents				х	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity			х	NA			
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	I			х	NA			
10.Spill Contain	ment Pit/Trench	Sampled for	r Other Cor	nstituents			x	NA			
11. SWMU Tank/	Pipes Approved	d and Remov	ed From Fa	acility	х				See Note	Millens	
12. SWMU Conta	ainment Pit/Trer	1ch Approved	d for Backf	ill in Place			x				
				Closure and	Removal	Dates					
1. Date Tank/Pip	es Verified Dec	ontaminated	for Dispos	al	1/13	/2016					
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	IA					
3. SWMU (Removed, C Removed, Clo) Status Component sed in Place)	Component	Removed	Status Change Date:	1/13	/2016					
Pictures:	Attached		_		_						
Data:	Table 7										
Notes:	Visual inspection for debris free condition and pH verification with Hydrion test strips was conducted upon completion of lift station dismantling and decontamination. Metal was separated and recycled as scrap metal by Millens Metal Recycling, Kingston, NY. Plastic components were separated and disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.										
Signa	ature				Christe	zpher G	ddsmith				
ARCADIS Re		Christopher Goldsmith									

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Area 64, Lift Station Stored on Floor at D-22, Index No. 20150040.11 – Inspected and Sampled on 1/13/2016

Pre-Removal OFF



SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	X-10	Project Area	Near 33 & 34	Index #	20150 20150 20150 20150	0040.12 0040.13 0040.14 0040.15	
SWMU Name	:	B/310 LS	SO								
SWMU Descr	iption:	Solvent W	/aste Lift	Stations							
SWMU Comp	onent:	4 Solvent	Unlabele	d Lift stations							
				Decommiss	ioning Re	cord					
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontar	nination				х					
2. Pictures Take	n Post-Remova	I			x						
3. Fluids Draine	d						x	NA			
4. Solid Residua	Is Removed						x	NA			
5.Tank/Pipes Vis	sually Inspected	for Integrit	y				х	NA			
6.Tank/Pipes Sa	mpled for Surfa	ісе рН					X	NA			
7.Tank/Pipes Sa	mpled for Othe	r Waste Con	stituents				x	NA			
8.Spill Containm	nent Pit/Trench	Visually Insp	pected for I	ntegrity			x	NA			
9.Spill Containm	nent Pit/Trench	Sampled for	Surface pl	4			x	NA			
10.Spill Contain	ment Pit/Trench	n Sampled fo	or Other Co	nstituents			x	NA			
11. SWMU Tank	/Pipes Approve	d and Remo	ved From F	acility			x				
12. SWMU Conta	ainment Pit/Tre	nch Approve	d for Back	fill in Place			x				
				Closure and	Removal	Dates	1				
1. Date Tank/Pip	es Verified Dec	ontaminated	l for Dispos	sal	11/25	2015					
2. Date Containr	nent Pit/Trench	Verified Cle	an		N	Α					
3. SWMC (Removed, 0 Removed, Clo	Component sed in Place)	Component	t Removed	Status Change Date:	11/25	/2015					
Pictures:	Attached										
Data:	NA										
Notes:	Notes: Solvent lift station was removed prior to B310 SWMU inventory reconnaissance on 11/25/2015.										
Signa	ature				Ray	mond S	Kapp				
ARCADIS Representative						Raymond Kapp					

Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Near Area 33 & 34, Lift Station at X-10, Index No. 20150040.12 – Removed Prior to 11/25/2015

Previously Removed Lift Station



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Near Area 33 & 34, Lift Station at X-10, Index No. 20150040.13 – Removed Prior to 11/25/2015

Previously Removed Lift Station



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Near Area 33 & 34, Lift Station at X-10, Index No. 20150040.14 – Removed Prior to 11/25/2015

Previously Removed Lift Station



Building 310 DCAP End of Life Project SWMU Removal Documentation SWMU B/310 LS SO – Solvent Wastewater Lift Station - Unlabeled Near Area 33 & 34, Lift Station at X-10, Index No. 20150040.15 – Removed Prior to 11/25/2015

Previously Removed Lift Station



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST											
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	NA	Project Area	NA	Index #	2015	50041		
SWMU Name:		B310-SO	(2)									
SWMU Descri	iption:	Solvent W	Vaste Tra	nsfer Piping								
SWMU Comp	onent:	Includes a	all above	-ground Solver	nt Waste	transfer p	iping with	in B/310				
				Decommiss	ioning Re	ecord						
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name		
1. Pictures Take	n Pre-Decontan	nination			x							
2. Pictures Take	n Post-Deconta	mination			х							
3. Fluids Flushe	d and Drained				х			Pass	See Note			
4. Solid Residua	Is Removed				x			See Note	See Note			
5.Tank/Pipes Vis	sually Inspected	I for Integrity	/		x		<u> </u>	Pass				
6.Tank/Pipes Sa	mpled for Surfa	се рН			x		<u> </u>	See note				
7.Tank/Pipes Sa	mpled for Other	r Waste Con	stituents				х	NA				
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity			NA	NA				
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1		_	NA	NA				
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Co	nstituents		_	NA	NA				
11. SWMU Tank/	Pipes Approved	d and Remov	/ed From F	acility	x	_	_		See note	See Note		
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	ill in Place	<u> </u>		NA					
1 Dete Tank/Pin	Verified Clo	for Soran	Beaveling	Closure and	Removal	Dates						
stainless steel) of	or staged for Di	sposal.	Recycling	(carbon and	Ong	joing						
2. Date Containn	nent Pit/Trench	Verified Cle	an		N	NA						
3. SWMU (Removed, 0 Removed, Clo	l Status Component sed in Place)	Remo	oved	Status Change Date:	Ong	Joing						
Pictures:	Attached					_	_					
Data:	Table 18											
Notes:	Notes: Solvent waste transfer piping (carbon steel and stainless steel) was cleaned by Techtron with high pressure wash and inspected by Arcadis to verify a debris-free condition. Carbon steel and stainless steel pipes that passed inspection for debris free condition were recycled at Millens Metal Recycling, Kingston, NY. Sections of carbon steel solvent piping that could not be completely cleaned to meet debris-free criteria, were sized and placed in Gaylord boxes for offsite hazardous waste incineration at Clean Harbors, Eldorado, Arkansas. Drummed solvent fluids Wash water generated by decontamination was treated onsite. Solvent contaminated solids went to Safety Kleen in Smithfield, Kentucky for fuels blending.											
Signa	ature				Christi	opher G	ddsmith					
ARCADIS Rep	Christopher Goldsmith											

Pre-Removal



Pre-Removal



Removed For Decontamination





Pre-Decontaminated





Decontaminated





Decontaminated





Decontaminated



	SOLID WASTE MANAGEMENT UNIT CLOSURE CHECKLIST										
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	NA	Project Area	NA	Index #	2015	60042	
SWMU Name	:	B310-FL (2)								
SWMU Descr	iption:	Fluoride/ŀ	leavy Me	tals Wastewat	er Transfo	er Piping					
SWMU Comp	onent:	Includes a	all above	-ground Fluori	de/Heavy	Metal wa	ste transf	er piping w	vithin B/310		
		<u> </u>		Decommiss	ioning Re	ecord					
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name	
1. Pictures Take	n Pre-Decontan	nination			x						
2. Pictures Take	n Post-Deconta	mination			х						
3. Fluids Flushe	d and Drained				х			Pass	IBM WWTP		
4. Solid Residua	Is Removed				x			Pass	IBM WWTP		
5.Tank/Pipes Vis	sually inspected	I for Integrity	/		х			Pass			
6.Tank/Pipes Sa	mpled for Surfa	се рН			x			Pass			
7.Tank/Pipes Sa	mpled for Othe	r Waste Cons	stituents				x	NA			
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for li	ntegrity			NA	NA			
9.Spill Containm	ient Pit/Trench	Sampled for	Surface pH	1			NA	NA			
10.Spill Contain	ment Pit/Trench	I Sampled for	r Other Co	nstituents			NA	NA			
11. SWMU Tank/	Pipes Approved	d and Remov	ed From F	acility	x				See Note	See Note	
12. SWMU Conta	ainment Pit/Trer	1ch Approve	d for Backf	fill in Place			NA				
		í z Comen	2	Closure and	Removal	Dates					
1. Date Tank/Pip or Decontamina	ted for Disposa	in for Scrap I (PVC)	Recycling	(Stainless Steer)	Ong	joing					
2. Date Containn	nent Pit/Trench	Verified Clea	an		N	1A					
3. SWMU (Removed, (Removed, Clc	J Status Component osed in Place)	Remo	oved	Status Change Date:	Ong	joing					
Pictures:	Attached										
Data:	Table 18										
Notes:	Notes: Decontamination of fluoride/heavy metal wastewater transfer piping was confirmed with pH test strips and visually inspected to verify debris free condition. Decontaminated PVC piping was disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY. Decontaminated steel secondary containment piping was recycled at Millens Metal Recycling, Kingston, NY.										
Signa	ature				Christe	zpher G	ddmith				
ARCADIS Representative Christopher Goldsmith											

FLOOR DES

Pre-Removal

Pre-Removal



Decontaminated





Removed

Decontaminated





Decontaminated



			SOL	ID WASTE M		MENT UN	IIT			
Site Name & Location	IBM/GF, East Fishkill, NY	Building	310	Column References	NA	Project Area	NA	Index #	2015	60043
SWMU Name	:	B310-IW (2)		-			•	-	
SWMU Descr	iption:	Industrial	Wastewa	ater Transfer P	iping					
SWMU Comp	onent:	Includes a	all above-	ground Indust	trial Wast	ewater tra	ansfer pip	ing within	B/310	
				Decommiss	ioning Re	ecord				
Environmental I	tems:				Yes	No	Not Required/ None	Test and Inspection Results Pass/Fail	Disposal Facility Name	Recycle Facility Name
1. Pictures Take	n Pre-Decontan	nination			х					
2. Pictures Take	n Post-Deconta	mination			х					
3. Fluids Flushe	d and Drained				x			Pass	IBM WWTP	
4. Solid Residua	ls Removed				x			Pass	IBM WWTP	
5.Tank/Pipes Vis	sually Inspected	I for Integrity	1		x			Pass		
6.Tank/Pipes Sa	mpled for Surfa	се рН			х			Pass		
7.Tank/Pipes Sa	mpled for Othe	Waste Con	stituents				x	NA		
8.Spill Containm	ent Pit/Trench	Visually Insp	ected for Ir	ntegrity			NA	NA		
9.Spill Containm	ent Pit/Trench	Sampled for	Surface pH	1			NA	NA		
10.Spill Contain	ment Pit/Trench	Sampled fo	r Other Cor	nstituents			NA	NA		
11. SWMU Tank/	Pipes Approve	d and Remov	ved From Fa	acility	х				See Note	
12. SWMU Conta	ainment Pit/Trei	nch Approve	d for Backf	ill in Place			NA			
				Closure and	Removal	Dates				
1. Date Tank/Pip or Decontamina	es Verified Clea ted for Disposa	an for Scrap I (PVC)	Recycling ((Stainless Steel)	Ong	going				
2. Date Containr	nent Pit/Trench	Verified Cle	an		1	NA				
3. SWML (Removed, 0 Removed, Clo	J Status Component sed in Place)	Rem	oved	Status Change Date:	Ong	going				
Pictures:	Attached									
Data:	Table 18									
Notes:	Notes: Decontamination of industrial (acid and slurry) wastewater transfer piping was confirmed with pH test strips and visually inspected to verify debris free condition. Decontaminated PVC piping was disposed with the rest of the non-hazardous construction and demolition debris transported to the Seneca Meadows Landfill, Waterloo, NY and the Ontario County Landfill, Stanley, NY.									
Signa	ature				Christ	opher G	ddsmith			
ARCADIS Re	presentative				Chris	stopher Go	dsmith			

PUMPED

Pre-Removal

Pre-Removal





Removed



Decontaminated



Attachment B

Solid Waste Management Unit Decontamination Verification Data Tables



Attachment B Tables List (SWMU Tables)

Table 1B	Building 310 Area 6 SWMU Component Verification
Table 2	Building 310 Area 1 SWMU Component Verification Data
Table 3	Building 310 Area 64 SWMU Component Verification Data
Table 4	Building 310 Area 69 SWMU Component Verification Data
Table 5	Building 310 Area 70 SWMU Component Verification Data
Table 6	Building 310 Area 24 SWMU Component Verification Data
Table 7	Building 310 Area 33 SWMU Component Verification Data
Table 8	Building 310 Area 36 SWMU Component Verification Data
Table 9	Building 310 Area 30 SWMU Component Verification Data
Table 10	Building 310 Area 37 SWMU Component Verification Data
Table 11	Building 310 Area 60 SWMU Component Verification Data
Table 12	Building 310 Area 61 SWMU Component Verification Data
Table 13	Building 310 Area 13 SWMU Component Verification Data
Table 14	Building 310 Area 4 SWMU Component Verification Data
Table 15	Building 310 Area 29 SWMU Component Verification Data
Table 18	Building 310 SWMU piping above ceiling
Table 19	Building 310 Area 52 SWMU Component Verification Data
Table 20	Building 310 Area 18 SWMU Component Verification Data
Table 21	Building 310 Area 57 SWMU Component Verification Data
Table 22	Building 310 Area 49 SWMU Component Verification Data
Table 23	Building 310 Area 23 SWMU Component Verification Data
Table 24	Building 310 Area 21 SWMU Component Verification Data
Table 25	B310 SWMU Pipe video Inspection
Table 27	Building 310 Area 66 SWMU Component Verification Data
Table 28	Building 310 Area 56 SWMU Component Verification Data

- Table 29
 Building 310 Area 72 SWMU Component Verification Data
- Table 30
 Building 310 Area 65 SWMU Component Verification Data
- Table 31
 Building 310 Area 65 SWMU Component Verification Data
- Table 32
 Building 310 Area 65 SWMU Component Verification Data

Data	Puilding	Aroo	SWMU ID#	Sample #	Hydrion ¹	colorpHast ²	Description
Dale	Building	Area	5WW01D#	Sample #	(pri resi)	(pri rest)	Description
11/19/2015	310	6	B/310 LS IW	2374-1	5.5		Piping coming out of acid lift station # 21 (Ecol # 2374) at column G-20 .
11/19/2015	310	6	B/310 LS IW	2374-2	5.5		Piping coming out of acid lift station # 21 (Ecol # 2374) at column G-20 .
11/19/2015	310	6	B/310 LS IW	2374-3	5.5		Piping coming out of acid lift station # 21 (Ecol # 2374) at column G-20 .
11/19/2015	310	6	B/310 LS IW	2374-4	6.0		Piping coming out of acid lift station # 21 (Ecol # 2374) at column G-20 .
11/19/2015	310	6	B/310 LS IW	2374-5	5.5		Exterior surface of acid lift station # 21 (Ecol # 2374) at column G-20.
11/19/2015	310	6	B/310 LS IW	2374-6	5.5		Inside tank of acid lift station # 21 (Ecol # 2374) at column G-20.
11/19/2015	310	6	B/310 LS IW	2371-1	6.0		Piping coming out of acid lift station # 19 (Ecol # 2371) at column G-19.
11/19/2015	310	6	B/310 LS IW	2371-2	6.0		Piping coming out of acid lift station # 19 (Ecol # 2371) at column G-19 .
11/19/2015	310	6	B/310 LS IW	2371-3	5.5		Exterior surface of acid lift station # 19 (Ecol # 2371) at column G-19.
11/19/2015	310	6	B/310 LS IW	2371-4	5.5		Inside tank of acid lift station # 19 (Ecol # 2371) at column G-19.
11/19/2015	310	6	B/310 LS FL	2372-1	6.0		Piping coming out of fluoride lift station # 7 (Ecol # 2372) at column G-20 .

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
				•			
							Piping coming out of fluoride lift station # 7 (Ecol # 2372) at
11/19/2015	310	6	B/310 LS FL	2372-2	6.0		column G-20 .
11/10/2015	310	6	R/210 S EI	2272.2	55		Exterior surface of fluoride lift station # 7 (Ecol # 2372) at
11/19/2013	310	0	B/310 L3 FL	2372-3	5.5		
							Inside tank of fluoride lift station # 7 (Ecol # 2372) at
11/19/2015	310	6	B/310 LS FL	2372-4	5.5		column G-20 .
		_					Inside tank after being wiped out, of acid lift station # 21
11/24/2015	310	6	B/310 LS IW	2374-7	6.0		(Ecol # 2374) at column G-20
							Inside, catch pap of acid lift station # 21 (Ecol # 2374), at
11/24/2015	310	6	B/310 LS IW	2374-8	6.0		column G-20.
							Inside tank after being wiped out, of acid lift station # 19
11/24/2015	310	6	B/310 LS IW	2371-5	6.0		(Ecol # 2371) at column G-19 .
11/2//2015	310	6	B/310 S IW/	2371-6	6.0		Inside catch pan of acid lift station # 19 (Ecol # 2371) at
11/24/2015	310	0	B/310 L3 IW	2371-0	0.0		
							Inside tank after being wiped out, of fluoride lift station # 7
11/24/2015	310	6	B/310 LS FL	2372-5	6.0		(Ecol # 2372) at column G-20.
44/04/0045	040	0		0070 0			legide actebrate of the side life station # 7 (East # 0070)
11/24/2015	310	6	B/310 LS FL	2372-6	6.0		Inside catch pan of fluoride lift station # 7 (Ecol # 2372).
11/24/2015	310	6	B/310 LS FL	Acid15-1	6.0		Piping coming out of acid lift station # 15 at column F-21.
11/24/2015	310	6	B/310 LS FL	Acid15-2	5.5		Exterior surface of acid lift station # 15 at column F-21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (nH Test)	colorpHast ² (pH Test)	Description
Date	Dunung	Alea		Sample #		(pri rest)	Description
11/24/2015	310	6	B/310 LS FL	Acid15-3	5.5		Vent piping coming out of acid lift station # 15 at column F- 21.
11/24/2015	310	6	B/310 LS FL	Acid15-4	5.5		Vent piping coming out of acid lift station # 15 at column F- 21.
11/24/2015	310	6	B/310 LS FL	Acid15-5	7.0		Inside tank of acid lift station # 15 at column F-21.
11/24/2015	310	6	B/310 LS FL	Acid15-6	6.5		Inside catch pan of acid lift station # 15 at column F-21.
11/24/2015	310	6	B/310 LS FL	2370-1	5.0		Acid drain piping coming out of acid lift station # 18 (ECOL # 2370) at column G-19.
11/24/2015	310	6	B/310 LS FL	2370-2	5.0		Acid drain piping coming out of acid lift station # 18 (ECOL # 2370) at column G-19.
11/24/2015	310	6	B/310 LS FL	2370-3	5.5		Acid vent piping coming out of acid lift station # 18 (ECOL # 2370) at column G-19.
11/24/2015	310	6	B/310 LS FL	2370-4	5.5		Acid vent piping coming out of acid lift station # 18 (ECOL # 2370) at column G-19
11/2 1/2010	010	0	2,0102012	2010 1	0.0		
11/24/2015	310	6	B/310 LS FL	2370-5	5.5		Inside tank of acid lift station # 18 (ECOL # 2370) at column G-19.
11/24/2015	310	6	B/310 LS FL	2370-6	5.0		Inside catch pan of acid lift station # 18 (ECOL # 2370) at column G-19.
	0.0			_0.00	0.0		
11/24/2015	310	6	B/310 LS FL	2368-1	5.5		Fluoride vent piping coming out of fluoride lift station # 5 (ECOL # 2368) at column F-19.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Dete	Duilding	A	SWMLLID#	Comula #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SWIND ID#	Sample #	(pri rest)	(pri rest)	Description
11/24/2015	310	6	B/310 LS FL	2368-2	5.0		Fluoride drain piping coming out of fluoride lift station # 5 (ECOL # 2368) at column F-19 .
11/24/2015	310	6	B/310 LS FL	2368-3	5.5		Exterior of fluoride lift station # 5 (ECOL # 2368) at column F- 19 .
11/24/2015	310	6	B/310 LS FL	2368-4	5.5		Inside tank of fluoride lift station # 5 (ECOL # 2368) at column F-19 .
11/24/2015	310	6	B/310 LS FL	2368-5	7.0		Inside catch pan of fluoride lift station # 5 (ECOL # 2368) at column F-19 .
11/25/2015	310	6	B/310 LS FL	2367-1	5.5		Acid vent piping coming out of acid lift station # 13 (ECOL # 2367) at column F-19 .
11/25/2015	310	6	B/310 LS FL	2367-2	5.5		Acid drain piping coming out of acid lift station # 13 (ECOL # 2367) at column F-19 .
11/25/2015	310	6	B/310 LS FL	2367-3	5.5		Exterior of acid lift station # 13 (ECOL # 2367) at column F- 19 .
11/25/2015	310	6	B/310 LS FL	2367-4	5.5		Inside tank of acid lift station # 13 (ECOL # 2367) at column F-19 .
11/25/2015	310	6	B/310 LS FL	2367-5	7.0		Inside catch pan of acid lift station # 13 (ECOL # 2367) at column F-19 .
12/10/2015	310	6	B310-IW (2)	B310-IW(2)-1	5.5		Vertical pumped acid effluent pipe from lift station to ceiling
12/10/2015	310	6	B310-IW (2)	B310-IW(2)-2	5.5		Vertical pumped acid effluent pipe from lift station to ceiling

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

1/08/2016

			014/14/11/07#	o	Hydrion ¹	colorpHast ²	
Date	Building	Area	SVVIVIU ID#	Sample #	(pH Test)	(pH Test)	Description
12/10/2015	310	6	B310-IW (2)	B310-IW(2)-3	5.5		Vertical pumped acid effluent pipe from lift station to ceiling
12/10/2015	310	6	B310-IW (2)	B310-IW(2)-4	5.5		Vertical pumped acid effluent pipe from lift station to ceiling
12/10/2015	310	6	B310-FL (2)	B310-FL (2)-1	55		Vertical pumped fluoride effluent pipe from lift station to
12/10/2010	010	0	D01012(2)	D010112(2)1	0.0		
							Vertical pumped fluoride effluent pipe from lift station to
12/10/2015	310	6	B310-FL (2)	B310-FL(2)-2	5.5		ceiling
							Vertical pumped fluoride effluent pipe from lift station to
12/10/2015	310	6	B310-FL (2)	B310-FL(2)-3	5.5		ceiling
							Vortical numbed fluoride offluent pipe from lift station to
12/10/2015	310	6	B310-FL (2)	B310-FL(2)-4	5.5		ceiling
1/4/2016	310	6	B/310 LS FL	2369-1	5.5		Fluoride lift station #6 (ECOL # 2369) tank interior bottom
							, , , , , , , , , , , , , , , , , , ,
1/4/2016	310	6	B/310 LS FL	2369-2	5.5		Fluoride lift station #6 (ECOL # 2369) tank interior sidewall
							, , , , , , , , , , , , , , , , , , ,
1/4/2016	310	6	B/310 LS FL	2369-3	55		Fluoride lift station #6 (FCOL # 2369) tank exterior outlet
1/7/2010	010	0	D,010 LOT L	2000 0	0.0		
4/4/0040	04.0	0		0000 4			Elucride life station #0 (ECOL # 2200) tank out-rise server
1/4/2016	310	6	B/310 LS FL	2369-4	5.5		Fluoride lift station #6 (ECOL # 2369) tank exterior cover
1/4/2016	310	6	B/310 LS FL	2369-5	5.5		Fluoride lift station #6 (ECOL # 2369) pump pipe inside tank

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
2410	Danang	7.104		eample #	(1-1-1-1-1)	(1	
							Fluoride lift station #6 (ECOL # 2369) pump mixer inside
1/4/2016	310	6	B/310 LS FL	2369-6	5.5		tank
		_	- /				
1/4/2016	310	6	B/310 LS FL	2369-7	5.5		Fluoride lift station #6 (ECOL # 2369) pump vent at outlet
1/4/2016	310	6	B/310 I S FI	2369-8	55		Fluoride lift station #6 (FCOL # 2369) pump at tank cover
1/ 1/2010	010	0	2,010 2012	2000 0	0.0		
1/4/2016	310	6	B/310 LS FL	2373-1	6.0		Fluoride lift station #8 (ECOL # 2373) tank interior bottom
4/4/2010	24.0	C		0070 0	. .		Elucride life station #0 (ECOL # 2222) tank interior sidewall
1/4/2016	310	0	B/310 LS FL	2373-2	5.5		Fluonde lift station #8 (ECOL # 2373) tank interior sidewall
1/4/2016	310	6	B/310 LS FL	2373-3	5.5		Fluoride lift station #8 (ECOL # 2373) tank exterior outlet
1/4/2016	310	6	B/310 LS FL	2373-4	5.5		Fluoride lift station #8 (ECOL # 2373) Pump # 1 intake pipe
1/4/2016	310	6	B/310 S EI	2373-5	55		Fluoride lift station #8 (FCOL # 2373) Pump # 2 intake pine
1/4/2010	510	0	D/310 L31 L	2375-5	5.5		
1/4/2016	310	6	B/310 LS FL	2373-6	5.5		Fluoride lift station #8 (ECOL # 2373) cleanout at cover
		_					
1/4/2016	310	6	B/310 LS FL	2373-7	5.5		Fluoride lift station #8 (ECOL # 2373) vent pipe outlet
							Elugridg lift station #8 (ECOL # 2272) Dump # 2 bass at
1/4/2016	310	6	B/310 LS FL	2373-8	5.5		COVER

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/4/2016	310	6	B/310 LS FL	2373-9	5.5		Fluoride lift station #8 (ECOL # 2373) Pump # 1 base at cover
1/4/2016	310	6	B/310 LS IW	2365-1	5.5		Acid lift station #14 (ECOL # 2365) tank interior bottom
1/4/2016	310	6	B/310 I S IW	2365-2	5 5		Acid lift station #14 (ECOL # 2365) tank interior sidewall
1/4/2010	510	0	D/310 L31W	2303-2	5.5		
1/4/2016	310	6	B/310 LS IW	2365-3	5.5		Acid lift station #14 (ECOL # 2365) tank exterior outlet
1/4/2016	310	6	B/310 LS IW	2365-4	5.5		Acid lift station #14 (ECOL # 2365) tank cover at pump
1/4/2016	210	6	R/2101 S IW/	2265 5	5.5		Acid lift station #14 (ECOL # 2265) topk alconout at sover
1/4/2016	310	0	D/310 L3 IV	2303-3	5.5		Acid IIIt station #14 (ECOL # 2365) tank cleanout at cover
1/4/2016	310	6	B/310 LS IW	2365-6	5.5		Acid lift station #14 (ECOL # 2365) vent pipe inside tank
1/4/2016	310	6	B/310 LS IW	2365-7	5.5		Acid lift station #14 (ECOL # 2365) pump intake pipe
1/4/2016	310	6	B/310 LS IW	2365-8	5.5		Acid lift station #14 (ECOL # 2365) tank exterior vent outlet
Total Number of Samples 75				Maximum pH	7.0	Minimum pH	5.0

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/4/2016	310	1	B/310 LS SO	Solv#2363-1	5.5		Stainless steel solvent (ECOL# 2363) tank bottom at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-2	5.5		Stainless steel solvent tank (ECOL#2363) side at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-3	5.5		Stainless steel solvent tank (ECOL#2363) top rim at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-4	7.0		Stainless steel solvent tank (ECOL#2363) drip pan at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-5	5.5		Solvent stainless steel pump outlet (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-6	5.5		Solvent stainless steel vent pipe inlet at tank (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-7	6.0		Solvent stainless steel tank exterior side (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-8	6.0		Solvent stainless steel cover (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-9	6.0		Solvent stainless steel pump pipe (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-10	6.0		Solvent stainless steel valve at pump (ECOL#2363) at column H24
1/4/2016	310	1	B/310 LS SO	Solv#2363-11	6.0		Solvent stainless steel vent pipe inlet at tank (ECOL#2363) at column H24

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/4/2016	310	1	B/310 LS IW	ACID#2361-1	5.5		Acid lift station (ECOL#2361) Tank interior bottom at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-2	5.5		Acid lift station (ECOL#2361) Tank interior side at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-3	6.0		Acid lift station (ECOL#2361) Tank exterior outlet at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-4	7.0		Acid lift station (ECOL#2361) cover of pump at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-5	5.5		Acid lift station (ECOL#2361) cover of cleanout at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-6	5.5		Pump pipe inside tank of Acid lift station (ECOL#2361) at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-7	5.5		Vent pipe inside tank of Acid lift station (ECOL#2361) at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2361-8	5.5		Vent pipe exterior outlet of Acid lift station (ECOL#2361) at column H24
1/4/2016	310	1	B/310 LS IW	ACID#2362-1	5.5		Acid lift station (ECOL#2362) Tank interior bottom at column F24
1/4/2016	310	1	B/310 LS IW	ACID#2362-2	5.5		Acid lift station (ECOL#2362) Tank interior side at column F24
1/4/2016	310	1	B/310 LS IW	ACID#2362-3	5.5		Acid lift station (ECOL#2362) Tank exterior outlet at column F24

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/20/2016	310	1	B/310 LS IW	ACID#10-1	5.5		Outside of 30 gal poly tank to Acid #10 lift pump at column H24.
1/4/2016	310	1	B/310 S SO	ACID#2362-4	5 5		Acid lift station (ECOI #2362) cover of nump at column E24
1/4/2016	310	1	B/310 LS SO	ACID#2362-5	5.5		Acid lift station (ECOL#2362) cover of cleanout at column
1/4/2016	310	1	B/310 LS SO	ACID#2362-6	5.5		Pump pipe inside tank of Acid lift station (ECOL#2362) at column F24
1/4/2016	310	1	B/310 LS SO	ACID#2362-7	5.5		Vent pipe inside tank of Acid lift station (ECOL#2362) at column F24
1/4/2016	310	1	B/310 LS SO	ACID#2362-8	5.5		Vent pipe exterior outlet of Acid lift station (ECOL#2362) at column F24
1/20/2016	310	1	B/310 LS IW	ACID#10-1	5.5		Outside of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-2	6.0		Inside bottom of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-3	6.0		Inside sidewall of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-4	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-5	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #10 lift pump at column H24.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
	J				/	u /	
1/20/2016	310	1	B/310 LS IW	ACID#10-6	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-7	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #10 lift pump at column H24.
1/20/2016	310	1	B/310 LS IW	ACID#10-8	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #10 lift pump at column H24.
Tota	Il Number of	Samples	36	Maximum pH	7.0	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/13/2016	310	64	B/310 S SO	Sparel S(D22)-1	55		Stainless steel spare 30 gal tank bottom at column D22
1/13/2010	510	04	D/310 L3 30	SpareL3(D22)-1	5.5		Otamiess steel spare so gar tank bottom at column bzz
1/13/2016	310	64	B/310 LS SO	SpareLS(D22)-2	5.5		Stainless steel spare 30 gal lift tank inside interior sidewall at column D22
1/13/2016	310	64	B/310 LS SO	SpareLS(D22)-3	6.0		Drip pan to stainless steel spare 30 gal lift station at column D22
1/13/2016	310	64	B/310 LS SO	SpareLS(D22)-4	5.5		PVC pump intake stainless steel spare 30 gal lift tank bottom at column D22
Tota	I Number of	Samples	4	Maximum pH	6.0	Minimum pH	5.5

Data	Ruilding	Aroa	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Dale	Building	Alea	3WW01D#	Sample #	(pri rest)	(pri rest)	Description
1/13/2016	310	69	B/310 LS IW	ACID#57-1	6.0		Result is for 2nd sample of inside bottom of poly Acid#57 lift station tank at column C23 west. First sample had failed with pH 9.0. Inside of acid lift station tank was re-cleaned before 2nd sample.
1/13/2016	310	69	B/310 LS IW	ACID#57-2	7.5		Inside sidewall of poly Acid#57 lift station tank at column C23 west.
1/13/2016	310	69	B/310 LS IW	ACID#57-3	5.5		Inside of PVC waste inlet pipe of poly Acid#57 lift station tank at column C23 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-1	6.0		Primer bottom of pit for slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-2	6.0		Coated sidewall of pit for slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-3	6.5		Coated bottom of pit for slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	ACID#40-1	6.0		Coated bottom of pit for Acid#40 lift station at column D24.
1/13/2016	310	69	B/310 LS IW	ACID#40-2	6.0		Sidewall of pit for Acid#40 lift station at column D24.
1/13/2016	310	69	B/310 LS IW	ACID#40-3	6.0		Primer bottom of pit for Acid#40 lift station at column D24.
1/18/2016	310	69	B/310 LS FL	FL#13-1	6.5		Bottom of pit for Fluoride lift pump #13 at column E24.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Duto	Danang	7.104		eample #	(1-1-1-1)	(1	
1/18/2016	310	69	B/310 LS FL	FL#13-2	6.5		Bottom of pit for Fluoride lift pump #13 at column E24.
1/18/2016	310	69	B/310 LS FL	FL#13-3	6.5		Sidewall of pit for Fluoride lift pump #13 at column E24.
9/6/2016	310	69	B/310 LS FL	ACID-E24-1	6.5		Bottom of pit for unlabled acid lift pump at column E24.
0/7/2016	210	60			6.5		Pottom of pit for unlobled acid lift pump at column E24
9/7/2016	310	69	B/310 LS FL	ACID-E24-2	0.0		Bollom of pit for unlabled acid lift pump at column E24.
9/8/2016	310	69	B/310 LS FL		6.5		Sidewall of nit for unlabled acid lift nump at column F24
3/0/2010	510	03	D/310 LOT L		0.0		
9/9/2016	310	69	B/310 LS FL	ACID-E24-4	6.5		Sidewall of pit for unlabled acid lift pump at column E24.
L	•		• • •		ļ	<u> </u>	
Tota	al Number of	Samples	16	Maximum pH	7.5	Minimum pH	5.5

Minimum pH 5.5

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/13/2016	310	69	B/310 LS IW	ACID#57-1	6.0		Result is for 2nd sample of inside bottom of poly Acid#57 lift station tank at column C23 west. First sample had failed with pH 9.0. Inside of acid lift station tank was re-cleaned before 2nd sample.
1/13/2016	310	69	B/310 LS IW	ACID#57-2	7.5		Inside sidewall of poly Acid#57 lift station tank at column C23 west.
1/13/2016	310	69	B/310 LS IW	ACID#57-3	5.5		Inside of PVC waste inlet pipe of poly Acid#57 lift station tank at column C23 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-1	6.0		Primer bottom of pit for previouslt removed slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-2	6.0		Coated sidewall of pit for previously removed slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	C24W-SLURRY-3	6.5		Coated bottom of pit for previously removed slurry lift station (No ID#) at column C24 west
1/13/2016	310	69	B/310 LS IW	ACID#40-1	6.0		Coated bottom of pit for previously removed Acid#40 lift station at column D24.
1/13/2016	310	69	B/310 LS IW	ACID#40-2	6.0		Sidewall of pit for previously removed Acid#40 lift station at column D24.
1/13/2016	310	69	B/310 LS IW	ACID#40-3	6.0		Primer bottom of pit for previously removed Acid#40 lift station at column D24.
1/18/2016	310	69	B/310 LS FL	FL#13-1	6.5		Bottom of pit for previously removed Fluoride lift pump #13 at column E24.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

		_	0.000		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/18/2016	310	69	B/310 LS FL	FL#13-2	6.5		Bottom of pit for previously removed Fluoride lift pump #13 at column E24.
1/18/2016	310	69	B/310 LS FL	FL#13-3	6.5		Sidewall of pit for previously removed Fluoride lift pump #13 at column E24.
9/6/2016	310	69	B/310 LS IW	ACID-E24-1	6.5		Bottom of pit for previously removed unlabeled acid lift pump at column E24.
9/7/2016	310	69	B/310 LS IW	ACID-E24-2	6.5		Bottom of pit for previously removed unlabeled acid lift pump at column E24.
9/8/2016	310	69	B/310 LS IW	ACID-E24-3	6.5		Sidewall of pit for previously removed unlabeled acid lift pump at column E24.
9/9/2016	310	69	B/310 LS IW	ACID-E24-4	6.5		Sidewall of pit for previously removed unlabeled acid lift pump at column E24.
Tota	I Number of	Samples	16	Maximum pH	7.5	Minimum pH	5.5

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/13/2016	310	70	B/310 LS IW	ACID#42-1	6.0		Bottom of pit for removed Acid#42 lift station at column A24.
1/13/2016	310	70	B/310 LS IW	ACID#42-2	6.0		Pit sidewall for removed Acid#42 lift station at column A24.
1/13/2016	310	70	B/310 LS IW	ACID#42-3	6.0		Pit sidewall for removed Acid#42 lift station at column A24.
1/13/2016	310	70	B/310 LS IW	C24E-ACID-1	6.0		Bottom of pit for removed acid lift station (No ID#) at column C24 East.
1/13/2016	310	70	B/310 LS IW	C24E-ACID-2	6.0		Sidewall of pit for removed acid lift station (No ID#) at column C24 east.
1/13/2016	310	70	B/310 LS IW	C24E-ACID-3	6.5		Sidewall of pit for removed acid lift station (No ID#) at column C24 east.
1/13/2016	310	70	B/310 LS IW	ACID#45-1	5.5		Coated bottom of pit for removed Acid#45 lift station at column C25 east.
1/13/2016	310	70	B/310 LS IW	ACID#45-2	5.5		Primer bottom of pit for removed Acid#45 lift station at column C25 east.
1/13/2016	310	70	B/310 LS IW	ACID#45-3	5.5		Coated bottom of pit for removed Acid#45 lift station at column C25 east.
1/13/2016	310	70	B/310 LS IW	ACID#45-4	5.5		Coated sidewall of pit for removed Acid#45 lift station at column C25 east.
1/13/2016	310	70	B/310 LS IW	ACID#45-5	5.5		Coated sidewall of pit for removed Acid#45 lift station at column C25 east.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/12/2016	210	70	R/210 I S IW/		6.0		Coated sidewall of pit for removed Acid#45 lift station at
1/13/2010	310	70	D/310 L31W	ACID#45-0	0.0		
1/18/2016	310	70	B/310 LS IW	SL#3-1	5.5		Bottom of pit for removed lift pump slurry #3 at column B25
1/18/2016	310	70	B/310 LS IW	SL#3-2	6.0		Bottom of pit for removed lift pump slurry #3 at column B25
1/19/2016	210	70	R/210 S IW/	SI #2 2	6.0		Pottom of pit for romoved lift pump slurry #2 at column P25
1/18/2016	310	70	B/310 LS IV	SL#3-3	6.0		Bottom of pit for removed int pump slutty #3 at column B23
1/18/2016	310	70	B/310 LS IW	SL#3-4	5.5		Sidewall of pit for removed lift pump slurry #3 at column B25
1/18/2016	310	70	B/310 LS IW	SL#3-5	5.5		Sidewall of pit for removed lift pump slurry #3 at column B25.
1/18/2016	310	70	B/310 LS IW	LP(B25W)-1	7.0		Bottom floor of pit for removed unknown lift pump west of column B25.
1/18/2016	310	70	B/310 LS IW	LP(B25W)-2	6.0		Sidewall of pit for removed unknown lift pump west of column B25
1/18/2016	310	70	B/310 LS IW	LP(B25E)-1	6.0		Bottom floor of pit for removed unknown lift pump east of column B25
1/18/2016	310	70	B/310 LS IW	LP(B25E)-2	5.5		Sidewall of pit for removed unknown lift pump east of column B25
1/20/2016	310	70	B/310 LS FL	FL#3135-1	5.5		Pit floor for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
2410	Danang	7.00		eampie #	(1	(1	Decemption
1/20/2016	310	70	B/310 LS FL	FL#3135-2	5.5		Pit floor for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
1/20/2016	310	70	B/310 LS FL	FL#3135-3	5.5		Pit sidewall for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
1/20/2016	310	70	B/310 LS FL	FL#3135-4	5.5		Pit sidewall for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-5	6.0		Inside bottom of PVC box on top of slab associated with SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-6	6.0		Inside sidewall of PVC box on top of slab associated with SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-7	6.0		Inside of lid of PVC box on top of slab associated with SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-8	6.0		Top of lid to PVC box on top of slab associated with SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-9	5.5		Screen from inside PVC box on top of slab associated with SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-10	6.0		Pit floor for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-11	5.5		Pit sidewall for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24
6/2/2016	310	70	B/310 LS FL	FL#3135-12	5.5		Pit sidewall for removed SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data		• • • •		0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWWU ID#	Sample #	(pH Test)	(pH Test)	Description
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-13	5.5		Fluoride/Heavy Metal lift station at column B24
C/2/2010	24.0	70			<u> </u>		Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-14	6.0		Fluoride/Heavy Metal lift station at column B24
0/0/0040	040	70					Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-15	6.0		Fluoride/Heavy Metal lift station at column B24
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-16	5.5		Fluoride/Heavy Metal lift station at column B24
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-17	5.5		Fluoride/Heavy Metal lift station at column B24
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-18	5.5		Fluoride/Heavy Metal lift station at column B24
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-19	5.5		Fluoride/Heavy Metal lift station at column B24
							Piece of removed broken PVC SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-20	5.5		Fluoride/Heavy Metal lift station at column B24
							Piace of removed broken PV/C SWMU Tank #2125
6/2/2016	210	70	R/2101 S EL	EI #2125 21	5.5		Flece of removed bloken FVC SWWD Talk #3155
0/2/2010	510	70	D/STULS FL	FL#3133-21	0.0		
							Inside of stainless steel lid to SWMU Tank #3135
6/2/2016	310	70	B/310 LS FL	FL#3135-22	6.0		Fluoride/Heavy Metal lift station at column B24.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
6/2/2016	310	70	B/310 LS FL	FL#3135-23	6.0		Outside of stainless steel lid to SWMU Tank #3135 Fluoride/Heavy Metal lift station at column B24.
Tota	al Number of	Samples	44	Maximum pH	7.0	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data		•	CWMU ID#	O	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWINU ID#	Sample #	(pH Test)	(pH Test)	Description
1/14/2016	310	24	B/310 LS IW	ACID#74-1	5.5		Inside bottom of 50 gal poly tank to Acid #74 lift pump at column G6
1/14/2016	310	24	B/310 LS IW	ACID#74-2	5.5		Inside sidewall of 50 gal poly tank to Acid #74 lift pump at column G6
1/14/2016	310	24	B/310 LS IW	ACID#74-3	5.5		PVC pump mixer of 50 gal poly tank to Acid #74 lift pump at column G6
1/14/2016	310	24	B/310 LS IW	ACID#74-4	6.0		Steel drip pan 50 gal poly tank to Acid #74 lift pump at column G6
1/14/2016	310	24	B/310 LS IW	ACID#74-5	5.5		PVC pump intake of 50 gal poly tank to Acid #74 lift pump at column G6
1/14/2016	310	24	B/310 LS IW	ACIDJ6-1	7.0		Inside bottom of 10 gal poly tank to unknown # acid lift pump at column J6
1/14/2016	310	24	B/310 LS IW	ACIDJ6-2	6.5		Inside sidewall of 10 gal poly tank to unknown # acid lift pump at column J6
1/14/2016	310	24	B/310 LS IW	ACIDJ6-3	7.0		Steel drip pan 10 gal poly tank to unknown # acid lift pump at column J6
1/14/2016	310	24	B/310 LS IW	ACIDJ6-4	6.0		PVC pump intake to unknown# acid lift pump at column J6.
1/14/2016	310	24	B/310 LS IW	ACIDJ6-5	5.5		PVC pump intake to unknown# acid lift pump at column J6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-1	5.5		Bottom of trench to pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-2	5.5		Bottom of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
	0.0				0.0		
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-3	5.5		Bottom of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-4	5.5		Bottom of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-5	5.5		Sidewall of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-6	5.5		Sidewall of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-7	5.5		Sidewall of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
1/20/2016	310	24	B/310 LS IW B/310 LS FL	ACID#66/FL#24-8	5.5		Sidewall of pit associated with removed Acid lift pump #66 and removed Fluoride lift pump #24 at column G6.
Tota	I Number of	Samples	18	Maximum pH	7.0	Minimum pH	5.5

1/22/2016

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/14/2016	310	Near 33	B/310 LS IW	ACID#2304-1	5.5		Inside bottom of round 2 gal black poly tank (ECOL# 2304) acid lift pump at column X10.
1/14/2016	310	Near 33	B/310 LS IW	ACID#2304-2	5.5		Inside sidewall of round 2 gal black poly tank (ECOL# 2304) acid lift pump at column X10.
1/14/2016	310	Near 33	B/310 LS IW	ACID#2304-3	5.5		PVC outlet of round 2 gal black poly tank (ECOL# 2304) acid lift pump at column X10.

5.5

Total Number of Samples 3

Maximum pH

Minimum pH

5.5

Notes: 1 - HYDRION pH test strips with range from 5.0 to 9.0

		-	0.000		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH lest)	(pH Test)	Description
1/14/2016	310	36	B/310 LS IW	ACID#2275-1	5.5		Inside bottom of round 2 gal black poly tank (ECOL# 2275) acid lift pump at column T10.
1/14/2016	310	36	B/310 LS IW	ACID#2275-2	5.5		Inside sidewall of round 2 gal black poly tank (ECOL# 2275) acid lift pump at column T10.
1/14/2016	310	36	B/310 LS IW	ACID#2275-3	5.5		PVC outlet of round 2 gal black poly tank (ECOL# 2275) acid lift pump at column T10.

5.5

Total Number of Samples 3

Maximum pH

Minimum pH

5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

			014/1411 10#	0 1 1	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/14/2016	310	30	B/310 LS IW	ACID#62-1	5.5		Inside bottom of 30 gal poly tank to Acid#62 lift pump (labeled for condensate) at column G9. Tank was removed from stainless steel lined secondary containment pit.
1/14/2016	310	30	B/310 LS IW	ACID#62-2	5.5		Inside sidewall of 30 gal poly tank to Acid#62 lift pump (labeled for condensate) at column G9.
1/14/2016	310	30	B/310 LS IW	ACID#62-3	5.5		PVC intake 1 of 30 gal poly tank to Acid#62 lift pump (labeled for condensate) at column G9.
1/14/2016	310	30	B/310 LS IW	ACID#62-4	5.5		PVC intake 2 of 30 gal poly tank to Acid#62 lift pump (labeled for condensate) at column G9.
1/14/2016	310	30	B/310 LS IW	ACID#62-5	5.5		PVC tank cover to Acid#62 lift pump (labeled for condensate) at column G9.
1/14/2016	310	30	B/310 LS IW	ACID#62-6	5.5		PVC inlet pipe to Acid#62 lift pump (labeled for condensate) at column G9.
1/19/2016	310	30	B/310 LS IW	ACID#5-1	5.5		Bottom of pit to Acid #5 pump lift station at column F8.
1/19/2016	310	30	B/310 LS IW	ACID#5-2	5.5		Sidewall of pit to Acid #5 pump lift station at column F8.
1/19/2016	310	30	B/310 LS FL	FL#4-1	5.5		Bottom of pit to Fluoride #4 pump lift station at column F8.
1/19/2016	310	30	B/310 LS FL	FL#4-2	5.5		Sidewall of pit to Fluoride #4 pump lift station at column F8.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/19/2016	310	30	B/310 LS SO	SO#6-1	6.0		Bottom of pit to Solvent #6 pump lift station at column F8.
1/19/2016	310	30	B/310 LS SO	SO#6-2	6.0		Sidewall of pit to Solvent #6 pump lift station at column F8.
1/19/2016	310	30	B/310 LS FL	FL#15-1	6.0		Bottom of pit to Fluoride #15 pump lift station at column G9.
1/19/2016	310	30	B/310 LS FL	FL#15-2	6.0		Bottom of pit to Fluoride #15 pump lift station at column G9.
1/19/2016	310	30	B/310 LS IW	ACID#62-7	5.5		Bottom of pit to Acid #62 pump lift station at column G9.
1/19/2016	310	30	B/310 LS IW	ACID#62-8	5.5		Sidewall of pit to Acid #62 pump lift station at column G9.
1/19/2016	310	30	B/310 LS SO	SO#9-1	5.5		Bottom of pit to Solvent #9 pump lift station at column G9.
1/19/2016	310	30	B/310 LS SO	SO#9-2	5.5		Sidewall of pit to Solvent #9 pump lift station at column G9.
							Outside of nump tank to acid lift nump (ECOL # 2261) at
1/20/2016	310	30	B/310 LS IW	ACID#2261-1	6.5		column D9.
							Inside bottom of tank, to acid lift nump (ECOI # 2261) at
1/20/2016	310	30	B/310 LS IW	ACID#2261-2	7.5		column D9.
							Inside of pipe coming out of tank to acid lift pump (ECOL #
1/20/2016	310	30	B/310 LS IW	ACID#2261-3	5.5		2261) at column D9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/20/2016	310	30	B/310 LS IW	ACID#2261-4	5.5		Inside of pipe coming out of tank to acid lift pump (ECOL# 2261) at column D9.
1/20/2016	310	30	B/310 LS IW	ACID#2261-5	5.5		Inside of pipe coming out of tank to acid lift pump (ECOL# 2261) at column D9.
1/20/2016	310	30	B/310 LS IW	ACID#9-1	6.0		Bottom of pit for Acid #9 lift station at column M7.
1/20/2016	310	30	B/310 LS IW	ACID#9-2	6.0		Bottom of pit for Acid #9 lift station at column M7.
1/20/2016	310	30	B/310 LS IW	ACID#9-3	5.5		Sidewall of pit for Acid #9 lift station at column M7.
1/20/2016	310	30	B/310 LS SO	SO(M7)-1	5.5		Bottom of pit for solvent lift station at column M7.
1/20/2016	310	30	B/310 LS SO	SO(M7)-2	5.5		Sidewall of pit for solvent lift station at column M7.
Tota	I Number of	Samples	28	Maximum pH	7.5	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
1/4/2016	310	37	B/310 LS IW	ACID#96-1	6.0		Inside bottom of 30 gal poly tank to Acid #96 lift pump at column R9
1/4/2016	310	37	B/310 LS IW	ACID#96-2	6.0		Inside sidewall of 30 gal poly tank to Acid #96 lift pump at column R9
1/4/2016	310	37	B/310 LS IW	ACID#96-3	7.5		Pump outlet of 30 gal poly tank to Acid #96 lift pump at column R9
1/4/2016	310	37	B/310 LS IW	ACID#96-4	7.5		Pump inlet piping of 30 gal poly tank to Acid #96 lift pump at column R9
1/4/2016	310	37	B/310 LS IW	ACID#96-5	5.5		Poly drip pan for 30 gal poly tank to Acid #96 lift pump at column R9
2/22/2016	310	37	B/310 LS IW	ACID#95-1	7.0		Inside bottom of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-2	7.0		Inside bottom of catch pan to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-3	7.0		Top of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-4	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-5	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-6	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

_		_	0		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/22/2016	310	37	B/310 LS IW	ACID#95-7	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-8	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-9	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-10	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-11	6.0		Inside drain pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-12	5.5		Inside vent pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-13	5.5		Inside vent pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-14	5.5		Inside vent pipe coming off of lift tank to Acid #95 lift pump at column R9.
2/22/2016	310	37	B/310 LS IW	ACID#95-15	5.5		Inside vent pipe coming off of lift tank to Acid #95 lift pump at column R9.
Tota	I Number of	Samples	20	Maximum pH	7.5	Minimum pH	5.5

Total Number of Samples

Maximum pH

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
4/00/0040	240						Outside of 30 gal poly tank to Acid #50 lift pump at column
1/20/2016	310	60	B/310 LS IV	ACID#50-1	5.5		E20.
							Inside bottom of 30 gal poly tank to Acid #50 lift pump at
1/20/2016	310	60	B/310 LS IW	ACID#50-2	5.5		column E20.
1/20/2016	310	60	B/310 LS IW	ACID#50-3	5.5		Inside of pipe coming out of 30 gal poly tank to Acid #50 lift pump at column E20.
							Inside of pipe coming out of 30 gal poly tank to Acid #50 lift
1/20/2016	310	60	B/310 LS IW	ACID#50-4	5.5		pump at column E20.
							Incide of nine coming out of 20 get poly tonk to Acid #50 lift
1/20/2016	310	60	B/310 LS IW	ACID#50-5	5.5		pump at column E20.
							Inside of pipe coming out of 30 gal poly tank to Acid #50 lift
1/20/2016	310	60	B/310 LS IW	ACID#50-6	5.5		pump at column E20.
1/20/2016	310	60	B/310 LS IW		5.5		Bottom of pit associated with Acid lift pump #50 and
1/20/2010	510	00	B/310 L31 L	ACID#30/1 L#14-1	5.5		
			B/310 LS IW				Bottom of pit associated with Acid lift pump #50 and
1/20/2016	310	60	B/310 LS FL	ACID#50/FL#14-2	5.5		Fluoride lift pump #14 at column E20.
			B/310 LS IW				Bottom of pit associated with Acid lift pump #50 and
1/20/2016	310	60	B/310 LS FL	ACID#50/FL#14-3	5.5		Fluoride lift pump #14 at column E20.
			B/310 LS IW/				Bottom of nit associated with Acid lift nump #50 and
1/20/2016	310	60	B/310 LS FL	ACID#50/FL#14-4	5.5		Fluoride lift pump #14 at column E20.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
7/19/2016	310	60	B/310 LS IW	ACID#49-1	5.5		column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-2	5.5		Inside sidewall of 30 gal poly tank to Acid #49 lift pump at column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-3	5.5		Pipe coming out of 30 gal poly tank to Acid #49 lift pump at column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-4	6.0		Column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-5	6.0		Column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-6	5.5		Pipe attached to pump to Acid #49 lift pump at column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-7	5.5		Pipe coming out of poly tank lid to Acid #49 lift pump at column D19.
7/19/2016	310	60	B/310 LS IW	ACID#49-8	5.5		Top of lid to30 gal poly tank lid to Acid #49 lift pump at column D19.
7/28/2016	310	60	B/310 LS IW	ACID#71-1	6.0		Inside of discharge pipe coming out of tank to Acid #71 lift pump at column E19.
7/28/2016	310	60	B/310 LS IW	ACID#71-2	6.0		Inside of discharge pipe coming out of tank to Acid #71 lift pump at column E19.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

Date	Building	Δrea	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Duto	Dunung	Alcu	••••••		(p. 1000)	(p. 1000)	Description
7/28/2016	310	60	B/310 LS IW	ACID#71-3	5.5		Inside of intake pipe coming out of tank to Acid #71 lift pump at column E19.
7/28/2016	310	60	B/310 LS IW	ACID#71-4	6.0		Inside of drain coming out of tank to Acid #71 lift pump at column E19.
Tota	I Number of	Samples	22	Maximum pH	6.0	Minimum pH	5.5

Total Number of Samples 22 Maximum pH

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Dete	Duilding	A	SW/MILID#	Comula #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIO ID#	Sample #	(pri resi)	(pri rest)	Description
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-1	6.0		Bottom of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-2	6.0		Bottom of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-3	6.0		Bottom of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-4	6.0		Bottom of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-5	6.5		Sidewall of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
1/18/2016	310	61	B/310 LS IW B/310 LS FL	ACID#32/FL(B19)-6	6.0		Sidewall of pit of Fluoride lift pump/Acid #32 lift pump at column B19.
2/22/2016	310	61	B/310 LS IW	ACID#91-1	5.5		Inside bottom of lift tank to Acid #91 lift pump at column B20
2/22/2016	310	61	B/310 LS IW	ACID#91-2	5.5		Inside bottom of catch pan to Acid #91 lift pump at column B20.
2/22/2016	310	61	B/310 LS IW	ACID#91-3	5.5		Top of lift tank to Acid #91 lift pump at column B20.
2/22/2016	310	61	B/310 LS IW	ACID#91-4	5.5		Inside drain pipe coming off of lift tank to Acid #91 lift pump at column B20
2/22/2016	310	61	B/310 LS IW	ACID#91-5	5.5		Inside drain pipe coming off of lift tank to Acid #91 lift pump at column B20

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/22/2016	310	61	B/310 LS IW	ACID#91-6	5.5		Inside drain pipe coming off of lift tank to Acid #91 lift pump at column B20
2/22/2016	310	61	B/310 LS IW	ACID#91-7	5.5		Inside drain pipe coming off of lift tank to Acid #91 lift pump at column B20
2/22/2016	310	61	B/310 LS IW	ACID#91-8	5.5		Inside drain pipe coming off of lift tank to Acid #91 lift pump at column B20

6.5

Total Number of Samples 14

Maximum pH

Minimum pH

5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Duilding	Aree	SWMU ID#	Samula #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SWIND ID#	Sample #	(pri resi)	(pri rest)	Description
1/20/2016	310	13	B/310 LS FL	FL#28-1	5.5		Outside of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-2	5.5		Inside pipe coming out of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-3	5.5		Inside pipe coming out of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-4	5.5		Inside pipe coming out of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-5	5.5		Inside pipe coming out of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-6	5.5		Inside pipe coming out of Fluoride lift pump #28 (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-7	5.5		Inside bottom of Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-8	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-9	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-10	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-11	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Duilding	Aree	SWMU ID#	Samula #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area	3WWO ID#	Sample #	(ph lest)	(pri rest)	Description
1/20/2016	310	13	B/310 LS FL	FL#28-12	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-13	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-14	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-15	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-16	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-17	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-18	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-19	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-20	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-21	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-22	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

1/22/2016

Dete	Duilding		SWMU ID#	Ogenerale #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri lest)	(pH Test)	Description
1/20/2016	310	13	B/310 LS FL	FL#28-23	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-24	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-25	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-26	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-27	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-28	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-29	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-30	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-31	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-32	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-33	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Building	Aroo	SWMU ID#	Sampla #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area	SWIND ID#	Sample #	(pri resi)	(pri rest)	Description
1/20/2016	310	13	B/310 LS FL	FL#28-34	5.5		Inside 2" PVC pipe from trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-35	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-36	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-37	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-38	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-39	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-40	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-41	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-42	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-43	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-44	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Building	Aroo	SWMU ID#	Sampla #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area	3WW01D#	Sample #	(ph lest)	(pri rest)	Description
1/20/2016	310	13	B/310 LS FL	FL#28-45	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-46	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/20/2016	310	13	B/310 LS FL	FL#28-47	5.5		Inside decontaminated trench that went to Fluoride lift pump #28 tank (ECOL#2278) at column B2.
1/21/2016	310	13	B/310 LS SO	SO#11-1	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-2	5.5		Inside steel solvent pipe removed from trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-3	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-4	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-5	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-6	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-7	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-8	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Building	Aroo	SWMU ID#	Sampla #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area	3001010#	Sample #	(pri rest)	(pri rest)	Description
1/21/2016	310	13	B/310 LS SO	SO#11-9	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-10	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-11	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-12	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-13	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-14	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-15	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-16	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-17	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-18	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-19	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
1/21/2016	310	13	B/310 LS SO	SO#11-20	5.5		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-21	6.0		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-22	6.0		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-23	6.0		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-24	6.0		Inside bottom of trench that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-25	5.5		Bottom of pit that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#11-26	5.5		Bottom of pit that went to solvent sump #11 at column A2.5.
1/21/2016	310	13	B/310 LS SO	SO#13-1	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-2	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-3	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-4	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Ruilding	Aroa	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Dale	Building	Alea	3WW01D#	Sample #	(pri resi)	(pri rest)	Description
1/21/2016	310	13	B/310 LS SO	SO#13-5	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-6	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-7	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-8	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-9	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-10	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-11	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-12	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-13	5.5		Inside steel drain pipe removed from trench that went from sink to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-14	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13_	B/310 LS SO	SO#13-15	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data			CWMU ID#	O a sector #	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWINU ID#	Sample #	(pH Test)	(pH Test)	Description
1/21/2016	310	13	B/310 LS SO	SO#13-16	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-17	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-18	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-19	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-20	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-21	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-22	5.5		Inside bottom of trench that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-23	5.5		Bottom of pit that went to solvent sump #13 at column A1.
1/21/2016	310	13	B/310 LS SO	SO#13-24	5.5		Bottom of pit that went to solvent sump #13 at column A1.
Tota	I Number of	Samples	97	Maximum pH	6.0	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
Table 14 Building 310 Area 4 SWMU Component Verification Data DCAP EOL ARO Project

Dete	Duilding	A	SWMLLID#	Oceando #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri lest)	(pH Test)	Description
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-1	5.5		Bottom of trench that goes to pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-2	5.5		Bottom of pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-3	5.5		Bottom of pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-4	5.5		Bottom of pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-5	5.5		Sidewall of trench that goes to pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-6	5.5		Sidewall of trench that goes to pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-7	5.5		Sidewall of trench that goes to pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4	B/310 LS IW B/310 LS FL	ACID#64/FL#22-8	5.5		Sidewall of trench that goes to pit associated with Acid lift pump #64 and Fluoride lift pump #22 at column G4.5.
1/20/2016	310	4/24	B/310 LS IW B/310 LS FL	ACID#65/FL23#23-1	5.5		Bottom of trench that goes to pit associated with Acid lift pump #65 and Fluoride lift pump #23 at column G5.
1/20/2016	310	4/24	B/310 LS IW B/310 LS FL	ACID#65/FL23#23-2	5.5		Bottom of pit associated with Acid lift pump #64 and Fluoride lift pump #23 at column G5.
1/20/2016	310	4/24	B/310 LS IW B/310 LS FL	ACID#65/FL23#23-3	5.5		Bottom of pit associated with Acid lift pump #64 and Fluoride lift pump #23 at column G5.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 14 Building 310 Area 4 SWMU Component Verification Data DCAP EOL ARO Project

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
			B/310 LS IW				Bottom of pit associated with Acid lift pump #64 and Fluoride
1/20/2016	310	4/24	B/310 LS FL	ACID#65/FL23#23-4	5.5		lift pump #23 at column G5.
			B/310 LS IW				Sidewall of pit associated with Acid lift pump #64 and
1/20/2016	310	4/24	B/310 LS FL	ACID#65/FL23#23-5	5.5		Fluoride lift pump #23 at column G5.
			B/310 LS IW				Sidewall of pit associated with Acid lift pump #64 and
1/20/2016	310	4/24	B/310 LS FL	ACID#65/FL23#23-6	5.5		Fluoride lift pump #23 at column G5.
			B/310 LS IW				Sidewall of pit associated with Acid lift pump #64 and
1/20/2016	310	4/24	B/310 LS FL	ACID#65/FL23#23-7	5.5		Fluoride lift pump #23 at column G5.
			B/310 LS IW				Sidewall of pit associated with Acid lift pump #64 and
1/20/2016	310	4/24	B/310 LS FL	ACID#65/FL23#23-8	5.5		Fluoride lift pump #23 at column G5.
Toto	l Number of	Complee	16	Maximum al-	F F		5.5
Tota	I Number of	Samples	16	Maximum pH	5.5	Minimum pH	5.5

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 15 Building 310 Area 29 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
					u /	u /	
1/21/2016	310	29	B/310 LS IW	ACID#16-1	5.5		Bottom of pit to Acid #16 lift pump near column U7.
1/21/2016	310	29	B/310 LS IW	ACID#16-2	5.5		Bottom of pit to Acid #16 lift pump near column U7.
Tota	I Number of	Samples	2	Maximum pH	5.5	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-443	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-444	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-445	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-446	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-447	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-448	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-449	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-450	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-451	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	39	B310-FL (2)	B310-FL (2)-452	5.5		PVC fluoride pipe from conference room in Area 39 after being flushed by Stryker.
6/29/2016	310	56/57	B310-FL (2)	B310-FL(2)-454	5.5		PVC fluoride drain pipe from Area 56/57 after being flushed by Stryker.
6/29/2016	310	56/57	B310-FL (2)	B310-FL(2)-455	5.5		PVC fluoride drain pipe from Area 56/57 after being flushed by Stryker.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
6/29/2016	310	56/57	B310-FL (2)	B310-FL(2)-456	5.5		PVC fluoride drain pipe from Area 56/57 after being flushed by Stryker.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-452	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-453	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-454	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-455	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-456	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-457	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-458	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-459	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-460	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-461	6.5		PVC fluoride pipe from B310 cleaned by Techtron.
7/28/2016	310	310	B310-FL (2)	B310-FL (2)-462	6.5		PVC fluoride pipe from B310 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	Aree	SWALL ID#	Somalo #	Hydrion ¹	colorpHast ²	Description
Dale	Бинану	Area		Sample #	(pri test)	(pri test)	Description
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-463	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-464	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-465	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-466	6.0		PVC fluoride nine from Area 68 cleaned by Techtron
1120/2010	010	00		D01012(2)400	0.0		
7/00/0040	210	60			C O		D) (C flueride nine from Area C0 cleaned by Techtron
//28/2016	310	68	B310-FL (2)	B310-FL (2)-467	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-468	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-469	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-470	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-471	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron.
7/28/2016	310	68	B310-FL (2)	B310-FL (2)-472	6.0		PVC fluoride pipe from Area 68 cleaned by Techtron
1,20,2010		00			0.0		
7/20/2040	210	60			6.0		D)/C flueride nine from Area 69 cleaned by Techtron
1/28/2016	310	60	B310-FL (2)	B310-FL (2)-473	b.U		PVC illuoride pipe from Area 68 cleaned by Lechtron.
							8" green secondary fluoride steel pipe from MER cleaned by
8/9/2016	310	MER	B310-FL (2)	B310-FL (2)-474	5.5		Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Building	Aroo	CIMINAL ID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SWWU ID#	Sample #	(pri iesi)	(pri rest)	Description
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-475	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-476	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-477	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-478	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-479	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-480	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-481	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-482	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-483	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-484	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-485	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-486	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

5.4			0.47411.15.4		Hydrion ¹	colorpHast ²	–
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-487	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-488	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-489	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-490	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-491	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-492	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-493	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-494	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	MER	B310-FL (2)	B310-FL (2)-495	5.5		Gray inner PVC fluoride pipe from MER cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-496	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-497	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-498	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-499	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-500	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-501	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-502	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-503	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-504	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-505	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-506	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-507	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-508	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-509	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-510	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

5.4			0.47411.15.4		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-511	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-512	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-513	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-514	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-515	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-516	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-517	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-518	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-519	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-520	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-521	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-522	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-523	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-524	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-525	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-526	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-527	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-528	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-529	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-530	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-531	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-532	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-533	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-534	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/10/2016	310	70	B310-FL (2)	B310-FL (2)-535	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-536	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-537	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-538	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-539	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-540	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-541	5.5		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-542	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-543	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-544	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-545	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-546	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		-			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-547	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-548	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-549	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-550	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-551	6.0		Black 5 1/2 inch ID PVC secondary fluoride pipe from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-552	6.0		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-553	6.0		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-554	5.5		Black 2 3/4 inch ID PVC fluoride wasteline from Area 70 cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-555	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
8/11/2016	310	70	B310-FL (2)	B310-FL (2)-556	5.5		8" green secondary fluoride steel pipe from MER cleaned by Techtron.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-1	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-2	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

			_		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-3	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-4	5.5		Fluoride pipe above the ceiling in Area 79 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-5	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-6	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-7	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-8	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-9	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/9/2016	310	13	B310-FL(2)	B310-FL(2)-10	5.5		Fluoride pipe above the ceiling in Area 13 between columns A1 and C3.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-11	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-12	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-13	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-14	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-15	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-16	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-17	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-18	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-19	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-20	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-21	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	79	B310-FL(2)	B310-FL(2)-22	5.5		Fluoride pipe above the ceiling in Area 79 between columns C3 and C5.
2/10/2016	310	4	B310-FL(2)	B310-FL(2)-23	5.0		Fluoride drop pipe in Area 4
2/10/2016	310	4	B310-FL(2)	B310-FL(2)-24	5.0		Fluoride drop pipe in Area 4
2/10/2016	310	4	B310-FL(2)	B310-FL(2)-25	5.0		Fluoride drop pipe in Area 4
2/10/2016	310	4	B310-FL(2)	B310-FL(2)-26	5.0		Fluoride drop pipe in Area 4

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # 310 B310-FL(2) B310-FL(2)-27 2/10/2016 4 5.0 Fluoride drop pipe in Area 4 2/10/2016 310 4 B310-FL(2) B310-FL(2)-28 5.0 Fluoride drop pipe in Area 4 B310-FL(2) B310-FL(2)-29 2/10/2016 310 4 5.0 Fluoride drop pipe in Area 4 2/10/2016 310 B310-FL(2)-30 5.0 4 B310-FL(2) Fluoride drop pipe in Area 4 310 4 B310-FL(2) B310-FL(2)-31 5.0 Fluoride drop pipe in Area 4 2/10/2016 2/10/2016 310 4 B310-FL(2) B310-FL(2)-32 5.0 Fluoride drop pipe in Area 4 2/10/2016 310 4 B310-FL(2) B310-FL(2)-33 5.0 Fluoride drop pipe in Area 4 2/10/2016 310 B310-FL(2) B310-FL(2)-34 5.0 Fluoride drop pipe in Area 4 4 B310-FL(2) B310-FL(2)-35 2/10/2016 310 4 5.0 Fluoride drop pipe in Area 4 310 B310-FL(2) B310-FL(2)-36 5.0 2/10/2016 4 Fluoride drop pipe in Area 4 310 B310-FL(2) B310-FL(2)-37 5.0 2/10/2016 4 Fluoride drop pipe in Area 4 2/10/2016 310 4 B310-FL(2) B310-FL(2)-38 5.0 Fluoride drop pipe in Area 4

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

colorpHast²

Hydrion¹

5.5

SWMU ID# (pH Test) (pH Test) Date Building Area Sample # Description Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2)-39 C4 to G4 and G4 to F7. 2/10/2016 310 4 B310-FL(2) 5.5 Fluoride pipe above the ceiling in Area 4 between columns 2/10/2016 310 4 B310-FL(2) B310-FL(2)-40 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) | B310-FL(2)-41 2/10/2016 310 4 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns 5.5 C4 to G4 and G4 to F7. 2/10/2016 310 4 B310-FL(2) B310-FL(2)-42 Fluoride pipe above the ceiling in Area 4 between columns 310 5.5 C4 to G4 and G4 to F7. 2/10/2016 4 B310-FL(2) B310-FL(2)-43 Fluoride pipe above the ceiling in Area 4 between columns 2/10/2016 310 4 B310-FL(2) B310-FL(2)-44 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns 2/10/2016 310 4 B310-FL(2) B310-FL(2)-45 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns 310 B310-FL(2) B310-FL(2)-46 5.5 2/10/2016 4 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-47 2/10/2016 310 4 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-48 5.5 2/10/2016 310 4 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-49 5.5 2/10/2016 310 4 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns

C4 to G4 and G4 to F7.

Notes:

2/10/2016

1 - HYDRION pH test strips with range from 5.0 to 9.0

4

310

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

B310-FL(2) B310-FL(2)-50

9/16/2016

Hydrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2)-51 C4 to G4 and G4 to F7. 2/10/2016 310 4 B310-FL(2) 5.5 Fluoride pipe above the ceiling in Area 4 between columns 2/10/2016 310 4 B310-FL(2) B310-FL(2)-52 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2)-53 C4 to G4 and G4 to F7. 2/10/2016 310 4 B310-FL(2) 5.5 Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2)-54 310 5.5 C4 to G4 and G4 to F7. 2/10/2016 4 B310-FL(2) Fluoride pipe above the ceiling in Area 4 between columns 2/10/2016 310 4 B310-FL(2) B310-FL(2)-55 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-56 2/10/2016 310 4 5.5 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-57 5.5 2/10/2016 310 4 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns 310 4 B310-FL(2) B310-FL(2)-58 5.5 C4 to G4 and G4 to F7. 2/10/2016 Fluoride pipe above the ceiling in Area 4 between columns 4 5.5 2/10/2016 310 B310-FL(2) B310-FL(2)-59 C4 to G4 and G4 to F7. Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-60 5.5 C4 to G4 and G4 to F7. 2/10/2016 310 4 Fluoride pipe above the ceiling in Area 4 between columns B310-FL(2) B310-FL(2)-61 2/10/2016 310 5.5 C4 to G4 and G4 to F7. 4 Fluoride pipe above the ceiling in Area 4 between columns 5.5 B310-FL(2) B310-FL(2)-62 2/10/2016 310 4 C4 to G4 and G4 to F7.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMIT ID#	Sample #	Hydrion ¹	colorpHast ²	Description
Dale	Building	Alea	3001010#	Sample #	(pri rest)	(pri rest)	Description
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-63	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-64	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-65	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-66	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-67	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-68	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-69	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-70	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-71	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-72	5.0		Fluoride pipe above the ceiling in Area 4.
2/11/2016	310	4	B310-FL(2)	B310-FL(2)-73	5.0		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-74	5.5		Fluoride pipe above the ceiling in Area 4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

5.4				• · · "	Hydrion ¹	colorpHast ²	-
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-75	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	210	4	D210 EL (2)	D210 EL (2) 76	5 5		Eluarida nina abaya tha aciling in Area 4
2/13/2010	310	4	D310-FL(2)	D310-FL(2)-70	5.5		Fluoride pipe above the centring in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-77	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-78	5.5		Fluoride pipe above the ceiling in Area 4.
0/45/0046	210	4			F F		Elucride zine chove the esiling in Area 4
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-79	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-80	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-81	5.5		Fluoride pipe above the ceiling in Area 4.
0/45/0040	010	4					Electrical size shows the setting is Area 4
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-82	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-83	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-84	5.5		Fluoride pipe above the ceiling in Area 4.
		•			0.0		
0/45/0040	010						
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-85	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-86	5.5		Fluoride pipe above the ceiling in Area 4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	D		00//01/10/	0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-87	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	210	4	D210 EL (2)	D210 EL (2) 99	5 5		Eluarida nina abaya tha aciling in Area 4
2/13/2010	510	4	B310-FL(2)	B310-FL(2)-00	5.5		
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-89	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-90	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	210	4	D210 EL (2)	P210 EL (2) 01	5 5		Eluarida pina abaya tha aciling in Area 4
2/13/2010	310	4	D310-FL(2)	D310-FL(2)-91	5.5		Fluoride pipe above the celling in Alea 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-92	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-93	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	210	4		P210 EL (2) 04	5 5		Eluarida pina abaya tha aciling in Area 4
2/13/2010	310	4	D310-FL(2)	D310-FL(2)-94	5.5		
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-95	5.5		Fluoride pipe above the ceiling in Area 4.
2/15/2016	310	4	B310-FL(2)	B310-FL(2)-96	5.5		Fluoride pipe above the ceiling in Area 4.
2/17/2016	210	30	D210 EL (2)	P310 EL (2) 07	5 5		Elugrido pipo abovo the coiling in Area 20
2/17/2010	510	- 50	D310-FL(Z)	D310-FL(2)-91	0.0		
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-98	5.5		Fluoride pipe above the ceiling in Area 30.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Building	Aree	CIA/MILLID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(ph test)	(pri test)	Description
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-99	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310_EL(2)	B310_EL(2)_100	55		Eluoride nine above the ceiling in Area 30
2/17/2010	510	00	D010-1 L(Z)	D010-1 L(2)-100	0.0		
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-101	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-102	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FL(2)	B310-FI (2)-103	5.5		Fluoride pipe above the ceiling in Area 30
2/11/2010	010	00	201012(2)		0.0		
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-104	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-105	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FI (2)	B310-FI (2)-106	5 5		Fluoride pipe above the ceiling in Area 30
2/11/2010	010		201012(2)		0.0		
0/47/0040	040	00					
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-107	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-108	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	30	B310-FL(2)	B310-FL(2)-109	5.5		Fluoride pipe above the ceiling in Area 30.
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-110	5.5		Fluoride pipe above the ceiling in Area 1.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Desilations	A	0)4/41110#	Osmanla #	Hydrion ¹	colorpHast ²	Decerizátion
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-111	5.5		Fluoride pipe above the ceiling in Area 1.
			, , , , , , , , , , , , , , , , , , ,				
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-112	5.5		Fluoride pipe above the ceiling in Area 1.
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-113	5.5		Fluoride pipe above the ceiling in Area 1.
2/17/2016	210	1	D210 EL (2)	D210 EL (2) 114	5 5		Elucrido nino obovo the soliling in Area 1
2/1//2010	310	I	D310-FL(2)	D310-FL(2)-114	5.5		
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-115	5.5		Fluoride pipe above the ceiling in Area 1.
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-116	55		Fluoride nine above the ceiling in Area 1
2/11/2010	0.0		201012(2)		0.0		
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-117	5.5		Fluoride pipe above the ceiling in Area 1.
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-118	5.5		Fluoride pipe above the ceiling in Area 1.
0/47/0040	24.0	4					Electrical wine allows the estimatic Area 4
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-119	5.5		Fluoride pipe above the ceiling in Area 1.
2/17/2016	310	1	B310-FL(2)	B310-FL(2)-120	5.5		Fluoride pipe above the ceiling in Area 1.
2/18/2016	310	23	B310-EL(2)	B310_EL(2)_121	55		Fluoride nine above the ceiling in Area 23
2110/2010	510	20		D010-1 L(2)-121	0.0		
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-122	5.5		Fluoride pipe above the ceiling in Area 23.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Desilations	A	014/04/10/#	Osmanla #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri rest)	(pri rest)	Description
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-123	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	210	22	D210 EL (2)	P310 EL (2) 124	5 5		Elugrido pipo abovo the coiling in Area 23
2/10/2010	510	23	D310-1 L(Z)	D310-1 L(2)-124	5.5		i luonde pipe above the centing in Alea 25.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-125	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-126	5.5		Fluoride pipe above the ceiling in Area 23.
2/19/2016	210	22	D210 EL (2)	P310 EL (2) 127	5 5		Elugrido pipo abovo the coiling in Area 23
2/10/2010	510	23	D310-1 L(Z)	D310-1 L(2)-121	5.5		i luonde pipe above the centing in Alea 25.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-128	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-129	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	310	23	B310 EL (2)	B310 EL (2) 130	55		Eluoride nine above the ceiling in Area 23
2/10/2010	510	20	D310-1 L(Z)	D310-1 L(2)-130	5.5		i luonde pipe above the centry in Alea 25.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-131	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	310	23	B310-FL(2)	B310-FL(2)-132	5.5		Fluoride pipe above the ceiling in Area 23.
2/18/2016	310	Hallway	B310-FL(2)	B310-FI (2)-133	55		C21 and B21
2,10,2010	010	Tanway			0.0		
							Fluoride pipe above the ceiling in Hallway between columns
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-134	5.5		C21 and B21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-135	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-136	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-137	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-138	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-139	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-140	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	Hallway	B310-FL(2)	B310-FL(2)-141	5.5		Fluoride pipe above the ceiling in Hallway between columns C21 and B21.
2/18/2016	310	62	B310-FL(2)	B310-FL(2)-142	5.5		Fluoride pipe above the ceiling in Area 62.
2/18/2016	310	62	B310-FL(2)	B310-FL(2)-143	5.5		Fluoride pipe above the ceiling in Area 62.
2/18/2016	310	62	B310-FL(2)	B310-FL(2)-144	5.5		Fluoride pipe above the ceiling in Area 62.
2/18/2016	310	62	B310-FL(2)	B310-FL(2)-145	5.5		Fluoride pipe above the ceiling in Area 62.
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-146	5.5		Fluoride pipe above the ceiling in Area 61.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	D. 11.11.1	• · · · ·	0000000	0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(ph lest)	(pH Test)	Description
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-147	5.5		Fluoride pipe above the ceiling in Area 61.
				(/			J
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-148	5.5		Fluoride pipe above the ceiling in Area 61.
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-149	5.5		Fluoride pipe above the ceiling in Area 61.
2/10/2016	210	61	D210 EL (2)	D210 EL (2) 150	5 5		Elucrido nino obovo the sciling in Area 61
2/10/2010	310	01	B310-FL(2)	B310-FL(2)-150	5.5		
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-151	5.5		Fluoride pipe above the ceiling in Area 61.
2/18/2016	310	61	B310-FL(2)	B310-FI (2)-152	55		Fluoride nine above the ceiling in Area 61
2/10/2010	010	01	201012(2)		0.0		
2/18/2016	310	61	B310-FL(2)	B310-FL(2)-153	5.5		Fluoride pipe above the ceiling in Area 61.
2/18/2016	310	22	B310-FL(2)	B310-FL(2)-154	5.5		Fluoride pipe above the ceiling in Area 22.
0/40/0040	010	00					
2/18/2016	310	22	B310-FL(2)	B310-FL(2)-155	5.5		Fluoride pipe above the ceiling in Area 22.
2/18/2016	310	22	B310-FL(2)	B310-FL(2)-156	5.5		Fluoride pipe above the ceiling in Area 22.
2/18/2016	310	22	B310 EL (2)	R310 EL (2) 157	5 5		Eluoride nine above the ceiling in Area 22
2/10/2010	510	22	D310-FL(Z)	D310-FL(Z)-137	0.0		
2/18/2016	310	22	B310-FL(2)	B310-FL(2)-158	5.5		Fluoride pipe above the ceiling in Area 22.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/18/2016	310	22	B310-FL(2)	B310-FL(2)-159	5.5		Fluoride pipe above the ceiling in Area 22.
	0.0				0.0		
2/18/2016	310	5	B310-FL(2)	B310-FL(2)-160	5.5		Fluoride pipe above the ceiling in Area 5.
2/18/2016	310	5	B310-FL(2)	B310-FL(2)-161	5.5		Fluoride pipe above the ceiling in Area 5.
		-					Jerry Presses Jerry Jerry
		_					
2/18/2016	310	5	B310-FL(2)	B310-FL(2)-162	5.5		Fluoride pipe above the ceiling in Area 5.
2/18/2016	310	5	B310-FL(2)	B310-FL(2)-163	5.5		Fluoride pipe above the ceiling in Area 5.
2/10/2016	210	F	D210 EL (2)	D210 EL (2) 164	5 5		Elucrido nino obovo the sciling in Area 5
2/10/2010	310	5	D310-FL(2)	D310-FL(2)-104	5.5		Fluonde pipe above the centry in Area 5.
2/18/2016	310	5	B310-FL(2)	B310-FL(2)-165	5.5		Fluoride pipe above the ceiling in Area 5.
2/18/2016	310	5	B310-EL(2)	B310-EL(2)-166	55		Fluoride nine above the ceiling in Area 5
2/10/2010	010	0	D010-1 L(2)	D010-1 L(2)-100	0.0		
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-167	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-168	5.5		Fluoride pipe above the ceiling in Area 6.
		-	····-(-)				
0/10/00/20							
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-169	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-170	5.5		Fluoride pipe above the ceiling in Area 6.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A	CIMINITI 104	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area		Sample #	(ph lest)	(pri test)	Description
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-171	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-172	5.5		Fluoride pipe above the ceiling in Area 6.
	0.0	•			0.0		
0/40/0040	010	0					
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-173	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-174	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-175	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310 EL (2)	B310 EL (2) 176	5 5		Eluoride nine above the ceiling in Area 6
2/10/2010	510	0	D310-1 L(2)	D310-1 L(2)-170	0.0		
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-177	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-178	5.5		Fluoride pipe above the ceiling in Area 6.
2/18/2016	310	6	B310-FL(2)	B310-FL(2)-179	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	210	6		D210 EL (2) 190	E		Flueride nine chave the spiling in Area 6
212212016	310	Ö	D310-FL(2)	БЭ 10-FL(Z)-180	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-181	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-182	5.5		Fluoride pipe above the ceiling in Area 6.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	Aree	CIMINITID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Бинанд	Area		Sample #	(ph lest)	(pri test)	Description
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-183	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FI (2)	B310-FI (2)-184	55		Fluoride pipe above the ceiling in Area 6
2/22/2010	010	Ū	201012(2)		0.0		
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-185	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-186	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-187	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2010	010	Ū	201012(2)		0.0		
0/00/0040	24.0	0					Electrical size shows the setting is Area C
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-188	5.5		Fluoride pipe above the celling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-189	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-190	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	210	C			F F		Elucride nine chouse the spilling in Area C
2/22/2016	310	0	B310-FL(2)	B310-FL(2)-191	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-192	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-193	5.5		Fluoride pipe above the ceiling in Area 6.
		-					
2/22/2040	240	c			E		Elugride ning should the spilling in Area C
212212016	310	Ø	B310-FL(2)	D310-FL(2)-194	D.D		Fluonde pipe above the ceiling in Area 6.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A		Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(ph test)	(pri rest)	Description
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-195	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310_EL(2)	B310_EL(2)_106	5 5		Fluoride nine above the ceiling in Area 6
2/22/2010	510	0	D310-1 L(Z)	D310-1 L(2)-190	0.0		
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-197	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-198	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-EL(2)	B310-FI (2)-199	55		Fluoride nine above the ceiling in Area 6
LILLILOTO	010	0	D0101E(2)		0.0		
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-200	5.5		Fluoride pipe above the ceiling in Area 6.
2/22/2016	310	6	B310-FL(2)	B310-FL(2)-201	6.0		Fluoride pipe above the ceiling in Area 6.
2/23/2016	310	70	B310-FL(2)	B310-FI (2)-202	6.0		Fluoride pipe above the ceiling in Area 70
2/20/2010	010		201012(2)		0.0		
0/00/0040	010	70					
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-203	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-204	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-205	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-206	6.0		Fluoride pipe above the ceiling in Area 70.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_		• • • •	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-207	6.0		Fluoride pipe above the ceiling in Area 70.
2/22/2016	210	70	D210 EL (2)	D210 EL (2) 200	6.0		Elucrido pino obovo the sciling in Area 70
2/23/2010	310	70	D310-FL(2)	D310-FL(2)-200	0.0		Fluoride pipe above the celling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-209	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-210	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310_EL(2)	B310_EL(2)_211	6.0		Fluoride nine above the ceiling in Area 70
2/23/2010	510	70	D310-1 L(Z)	D310-1 L(2)-211	0.0		
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-212	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-213	6.0		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	70	B310-FI (2)	B310-FI (2)-214	7.0		Fluoride drop nine in Area 70
2/20/2010	010	10	D0101 L(2)	D01012(2)214	1.0		
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-215	7.0		Fluoride drop pipe in Area 70.
2/23/2016	310	70	B310-FL(2)	B310-FL(2)-216	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-217	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FI (2)-218	55		Fluoride pipe above the ceiling in Area 70

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-219	5.5		Fluoride pipe above the ceiling in Area 70.
2/22/2016	210	60			F F		Flueride nine chours the solition in Area 70
2/23/2010	310	60	B310-FL(2)	D310-FL(2)-220	5.5		Fluoride pipe above the celling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-221	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-222	5.5		Fluoride pipe above the ceiling in Area 70.
0/00/0040	010	00					
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-223	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-224	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FI (2)	B310-FI (2)-225	55		Fluoride pipe above the ceiling in Area 70
2/20/2010	010		201012(2)	201012(2)220	0.0		
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-226	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310-FL(2)	B310-FL(2)-227	5.5		Fluoride pipe above the ceiling in Area 70.
2/23/2016	310	60	B310_EL(2)	B310_EL(2)_228	55		Eluoride nine above the ceiling in Area 70
212312010	510	00	D310-1 L(Z)	D310-1 L(2)-220	0.0		
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-229	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-230	5.5		Fluoride pipe above the ceiling in Area 52.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Desilations	A	0)4/41110#	0	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIU ID#	Sample #	(pri rest)	(pri rest)	Description
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-231	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310 EL(2)	B310 EL (2) 232	55		Eluoride nine above the ceiling in Area 52
2/20/2010	510	52	D310-1 L(Z)	D310-1 L(2)-232	0.0		
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-233	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-234	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-EL(2)	B310-FI (2)-235	55		Fluoride nine above the ceiling in Area 52
2/20/2010	010	02	D01012(2)	D0101 E(2) 200	0.0		
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-236	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-237	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FI (2)	B310-FI (2)-238	55		Fluoride pipe above the ceiling in Area 52
2/20/2010	010		201012(2)	201012(2)200	0.0		
0/00/0040	010	50					
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-239	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-240	5.5		Fluoride pipe above the ceiling in Area 52.
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-241	5.5		Fluoride pipe above the ceiling in Area 52.
				, , , , , , , , , , , , , , , , , , ,			
2/23/2016	310	52	B310-FL(2)	B310-FL(2)-242	5.5		Fluoride pipe above the ceiling in Area 52.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

			_		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	52	B310-FL(2)	B310-FI (2)-243	6.0		Fluoride nine above the ceiling in Area 52
2/2 1/2010	010	02	201012(2)		0.0		
2/24/2016	310	52	B310-FL(2)	B310-FL(2)-244	6.0		Fluoride pipe above the ceiling in Area 52.
2/24/2016	310	52	B310-FL(2)	B310-FI (2)-245	6.0		Fluoride nine above the ceiling in Area 52
2/2 //2010	010		201012(2)		0.0		
2/24/2016	310	52	B310-FL(2)	B310-FL(2)-246	6.0		Fluoride pipe above the ceiling in Area 52.
2/24/2016	310	52	B310-FL(2)	B310-FL(2)-247	6.0		Fluoride pipe above the ceiling in Area 52.
				· · · · · · · · · · · · · · · · · · ·			
	0.4.0	-0					
2/24/2016	310	52	B310-FL(2)	B310-FL(2)-248	6.0		Fluoride pipe above the ceiling in Area 52.
2/24/2016	310	52	B310-FL(2)	B310-FL(2)-249	6.0		Fluoride pipe above the ceiling in Area 52.
2/24/2016	240	10/15			F F		Fluoride pipe above the ceiling in Area 15 and 16 between
2/24/2016	310	10/15	B310-FL(2)	B310-FL(2)-250	5.5		
							Fluoride pipe above the ceiling in Area 15 and 16 between
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-251	5.5		columns V8 and V4.
2/24/2016	210	16/15	P210 EL (2)	P310 EL (2) 252	5 5		Fluoride pipe above the ceiling in Area 15 and 16 between
212412010	310	10/13	D310-FL(2)	D310-FL(2)-232	5.5		
							Fluoride pipe above the ceiling in Area 15 and 16 between
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-253	5.5		columns V8 and V4.
							Elugride ning above the spiling in Area 15 and 16 between
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-254	5.5		columns V8 and V4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-255	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-256	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-257	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-258	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-259	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-260	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-261	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-262	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-263	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-264	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-265	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-266	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-267	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-268	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/24/2016	310	16/15	B310-FL(2)	B310-FL(2)-269	5.5		Fluoride pipe above the ceiling in Area 15 and 16 between columns V8 and V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-270	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-271	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-272	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-273	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-274	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-275	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-276	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-277	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-278	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
9/16/2016

			_		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-279	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-280	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-281	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-282	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	16	B310-FL(2)	B310-FL(2)-283	5.5		Fluoride Pipe above the ceiling in Area 16 between columns V5 to V4.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-284	5.5		Fluoride Pipe above the ceiling in Area 30.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-285	5.5		Fluoride Pipe above the ceiling in Area 30.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-286	5.5		Fluoride Pipe above the ceiling in Area 30.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-287	5.5		Fluoride Pipe above the ceiling in Area 30.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-288	5.5		Fluoride Pipe above the ceiling in Area 30.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-289	5.5		Fluoride Pipe above the ceiling in Area 52.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-290	5.5		Fluoride Pipe above the ceiling in Area 52.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

5.4				• • • •	Hydrion ¹	colorpHast ²	-
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-291	5.5		Fluoride Pipe above the ceiling in Area 52.
							· · · · ·
2/25/2016	210	20		D210 EL (2) 202	E E		Eluarida Dina abaya tha aciling in Area 52
2/23/2010	310	30	D310-FL(2)	D310-FL(2)-292	5.5		
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-293	5.5		Fluoride Pipe above the ceiling in Area 52.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-294	5.5		Fluoride Pipe above the ceiling in Area 52.
2/25/2046	210	20			F F		Elucride Dine chours the spilling in Area 52
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-295	5.5		Fluonde Pipe above the ceiling in Area 52.
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-296	5.5		Fluoride Pipe above the ceiling in Area 52.
							Eluoride Pine above the ceiling in Area 10 between columns
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-297	5.5		R4 to R5.
							Fluoride Pipe above the ceiling in Area 19 between columns
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-298	5.5		R4 to R5.
							Fluoride Pipe above the ceiling in Area 19 between columns
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-299	5.5		R4 to R5.
							Electida Dire about the estimatic Area 40 between solution
2/25/2016	310	30	B310-EL(2)	B310-EL(2)-300	55		Fluoride Pipe above the ceiling in Area 19 between columns
2/20/2010	510	50	D310-1 L(2)	D310-1 L(2)-300	0.0		
							Fluoride Pipe above the ceiling in Area 19 between columns
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-301	5.5		R4 to R5.
							Fluoride Pipe above the ceiling in Area 19 between columns
2/25/2016	310	30	B310-FL(2)	B310-FL(2)-302	5.5		R4 to R5.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-303	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J24 to J23.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-304	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J24 to J23.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-305	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J24 to J23.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-306	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J24 to J23.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-307	5.5		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J24 to J23.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-308	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J23 to J22.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-309	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J23 to J22.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-310	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J23 to J22.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-311	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J23 to J22.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-312	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J23 to J22.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-313	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J22 to J21.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-314	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J22 to J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

-		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-315	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J22 to J21.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-316	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-317	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-318	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-319	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-320	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-321	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-322	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J21 to J19.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-323	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J19 to J18.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-324	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J19 to J18.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-325	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J19 to J18.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-326	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-327	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-328	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-329	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-330	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-331	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-332	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-333	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	Hallway	B310-FL(2)	B310-FL(2)-334	5.0		Fluoride Pipe above the ceiling in Aisle J Hallway between columns J18 to J15.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-335	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-336	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-337	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-338	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data			0.000	0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-339	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-340	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-341	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-342	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-343	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-344	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-345	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-346	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
2/29/2016	310	19	B310-FL(2)	B310-FL(2)-347	5.5		Fluoride Pipe above the ceiling in Area 19 between columns R5 to R7.
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-348	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-349	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-350	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data		•	0.000	0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWWU ID#	Sample #	(pH Test)	(pH Test)	Description
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-351	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-352	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.
3/1/2016	310	MER	B310-FL(2)	B310-FL(2)-353	5.5		Fluoride Pipe above the ceiling in MER Area between columns R7 to R8.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-354	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-355	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-356	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-357	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-358	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-359	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-360	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-361	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-362	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-363	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-364	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-365	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-366	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-367	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/2/2016	310	37	B310-FL(2)	B310-FL(2)-368	5.5		Fluoride Pipe above the ceiling in Area 37 between columns R9 to R11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-369	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-370	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-371	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-372	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-373	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-374	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

-		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-375	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-376	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-377	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-378	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/3/2016	310	78	B310-FL(2)	B310-FL(2)-379	5.5		Fluoride Pipe above the ceiling in Area 78 between columns F11 to H11.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-380	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-381	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-382	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-383	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-384	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/7/2016	310	78	B310-FL(2)	B310-FL(2)-385	5.5		Fluoride Pipe above the ceiling in Area 78 between columns G12 to K12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-386	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-387	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-388	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-389	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-390	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-391	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-392	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-393	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-394	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-395	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-396	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/8/2016	310	44&45	B310-FL(2)	B310-FL(2)-397	5.5		Fluoride Pipe above the ceiling in Areas 44 & 45 between columns K12 to M12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-398	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-399	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-400	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-401	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-402	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-403	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-404	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-405	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-406	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-407	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-408	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-409	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.
3/9/2016	310	offices	B310-FL(2)	B310-FL(2)-410	5.5		Fluoride Pipe above the ceiling of offices between columns M12 to T12.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
							Elucride Dine above the spiling of offices between columns
3/0/2016	310	offices	P210 EL (2)	P310 EL (2) 411	5 5		M12 to T12
3/9/2010	510	Hallway	D310-FL(2)	D310-FL(2)-411	5.5		
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-412	5.0		12 Hallway between columns F12 to F12 to F16.
0.10.2010		Hallway			0.0		
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-413	5.0		12 Hallway between columns F12 to E12 to E16.
		Hallway					
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-414	5.0		12 Hallway between columns F12 to E12 to E16.
		Hallway					
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-415	5.0		12 Hallway between columns F12 to E12 to E16.
		naliway 40					Elucride Dine above the coiling from Area 40, 53 and Aisle
3/15/2016	310	49 53	B310 EL (2)	B310 EL (2) 416	5.0		12 Hallway between columns E12 to E12 to E16
3/13/2010	510	Hallway	D310-1 L(2)	D310-1 L(2)-410	5.0		
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-417	5.0		12 Hallway between columns F12 to E12 to E16.
		Hallway					
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-418	5.0		12 Hallway between columns F12 to E12 to E16.
		Hallway					
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-419	5.5		12 Hallway between columns F12 to E12 to E16.
		Hallway					
0/45/0040	040	49					Fluoride Pipe above the ceiling from Area 49, 53 and Alsie
3/15/2016	310	53 Hallway	B310-FL(2)	B310-FL(2)-420	5.5		12 Hallway between columns F12 to E12 to E16.
		1 anway 40					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310		B310-FL(2)	B310-FI (2)-421	55		12 Hallway between columns F12 to F12 to F16
5/15/2010	510	Hallwav		D010-1 L(2)-421	0.0		
		49					Fluoride Pipe above the ceiling from Area 49, 53 and Aisle
3/15/2016	310	53	B310-FL(2)	B310-FL(2)-422	5.5		12 Hallway between columns F12 to E12 to E16.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Ruilding	Aroa	SWMIT ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Dale	Building	Area		Sample #	(pri rest)	(pri rest)	Description
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-422	5.5		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-423	5.5		Lab.
		6					Eluoride Dine above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FI (2)-424	55		I ab
4/10/2010	010	IOO LUD	D01012(2)		0.0		
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-425	5.5		Lab.
		0					Elucride Dire chaus the scilling from Area C100 Mersury
4/10/2016	210		D210 EL (2)	D210 EL (2) 426	5 5		Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2010	310	ISC Lab	D310-FL(2)	D310-FL(2)-420	5.5		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-427	5.5		Lab.
		•					
4/40/2040	240	6 100 Lah		D240 EL (2) 400	F F		Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-428	5.5		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-429	5.5		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-430	6.0		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-431	6.0		Lab.
			(_/				
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-432	6.0		Lab.
		6					Fluoride Pine above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-433	6.0		Lab.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A		Comple #	Hydrion ¹	colorpHast ²	Decerintian
Date	Building	Area	SVVIVIU ID#	Sample #	(pri test)	(pri test)	Description
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FI (2)	B310-FI (2)-434	6.0		I ab
4/10/2010	010	100 Lub	D01012(2)	D0101 E(2) 404	0.0		
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-435	6.0		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-436	6.0		Lab.
		6					Elucrido Dino abovo the coiling from Area 6 ISC Moreury
1/19/2016	310	de L D2L	B310_EL(2)	B310-EL(2)-437	6.0		I ab
4/13/2010	510		D310-1 L(Z)	D310-1 L(2)-437	0.0		
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-438	6.0		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-439	6.0		Lab.
		6					Eluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-EL(2)-440	6.0		I ab
4/10/2010	010		D010-1 L(2)	D010-1 L(2)-440	0.0		
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-441	6.0		Lab.
		6					Fluoride Pipe above the ceiling from Area 6 ISC Mercury
4/19/2016	310	ISC Lab	B310-FL(2)	B310-FL(2)-442	6.0		Lab.
		30					Acid Pine above the ceiling from Area 30, 4 and 24 between
3/15/2016	310	4 24	B310_IW/ (2)	B310_IW (2)_1	6.0		columns E4 to E11
3/13/2010	510	30	D310-100 (2)	D310-100 (2)-1	0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/15/2016	310	24	B310-IW (2)	B310-IW (2)-2	6.0		columns F4 to F11.
		30					
		4			_		Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/15/2016	310	24	B310-IW (2)	B310-IW (2)-3	6.0		columns F4 to F11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date

Table 18 Building 310 SWMU Piping Above Ceiling SWMU Component Verification Data DCAP EOL ARO Project

colorpHast²

Hydrion¹

6.0

Building SWMU ID# (pH Test) (pH Test) Description Area Sample # 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between 3/15/2016 310 24 B310-IW (2) B310-IW (2)-4 6.0 columns F4 to F11. 30 Acid Pipe above the ceiling from Area 30, 4 and 24 between 4 B310-IW (2) B310-IW (2)-5 6.0 3/15/2016 310 24 columns F4 to F11. 30 Acid Pipe above the ceiling from Area 30, 4 and 24 between 4 3/15/2016 310 24 B310-IW (2) B310-IW (2)-6 6.0 columns F4 to F11. 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between B310-IW (2) B310-IW (2)-7 3/15/2016 310 24 6.0 columns F4 to F11. Acid Pipe above the ceiling from Area 52 between columns 3/15/2016 310 52 B310-IW (2) B310-IW (2)-8 6.0 G16 to D16. Acid Pipe above the ceiling from Area 52 between columns 3/15/2016 310 52 B310-IW (2) B310-IW (2)-9 6.0 G16 to D16. Acid Pipe above the ceiling from Area 52 between columns B310-IW (2) B310-IW (2)-10 3/15/2016 310 52 6.0 G16 to D16. Acid Pipe above the ceiling from Area 52 between columns 3/15/2016 310 52 B310-IW (2) B310-IW (2)-11 6.0 G16 to D16. Acid Pipe above the ceiling from Area 52 between columns B310-IW (2) B310-IW (2)-12 3/15/2016 310 52 6.0 G16 to D16. Acid Pipe above the ceiling from Area 52 between columns B310-IW (2) B310-IW (2)-13 3/15/2016 310 6.0 G16 to D16. 52 Acid Pipe above the ceiling from Area 52 between columns B310-IW (2) B310-IW (2)-14 3/15/2016 310 6.0 G16 to D16. 52 Acid Pipe above the ceiling from Area 52 between columns

G16 to D16.

Notes:

3/15/2016

1 - HYDRION pH test strips with range from 5.0 to 9.0

52

310

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

B310-IW (2) B310-IW (2)-15

9/16/2016

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-16	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-17	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-18	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-19	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-20	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-21	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-22	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-23	6.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-24	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-25	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-26	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-27	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-28	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-29	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-30	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-31	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-32	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-33	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-34	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-35	6.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-36	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-37	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-38	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-39	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/15/2016	310	52	B310-IW (2)	B310-IW (2)-40	7.0		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-41	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-42	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-43	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-44	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-45	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-46	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-47	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-48	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-49	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-50	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-51	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-52	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-53	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-54	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-55	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-56	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-57	5.5		Acid Pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-58	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-59	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-60	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-61	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-62	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.
3/16/2016	310	52	B310-IW (2)	B310-IW (2)-63	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between columns G16 to D16.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² SWMU ID# (pH Test) (pH Test) Description Date Building Sample # Area Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between B310-IW (2) B310-IW (2)-64 3/16/2016 310 52 5.5 columns G16 to D16. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between B310-IW (2) B310-IW (2)-65 5.5 columns G16 to D16. 3/16/2016 310 52 Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between 3/16/2016 310 52 B310-IW (2) B310-IW (2)-66 5.5 columns G16 to D16. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between B310-IW (2) B310-IW (2)-67 3/16/2016 310 52 5.5 columns G16 to D16. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between 3/16/2016 310 52 B310-IW (2) B310-IW (2)-68 5.5 columns G16 to D16. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 52 between 3/16/2016 310 B310-IW (2) B310-IW (2)-69 7.0 columns G16 to D16. 52 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between B310-IW (2) B310-IW (2)-70 3/16/2016 310 24 6.0 columns F4 to F11. 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between 3/16/2016 310 24 B310-IW (2) B310-IW (2)-71 5.5 columns F4 to F11. 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between B310-IW (2) B310-IW (2)-72 3/16/2016 310 24 5.5 columns F4 to F11. 30 Acid Pipe above the ceiling from Area 30, 4 and 24 between 4 3/16/2016 B310-IW (2) B310-IW (2)-73 5.5 columns F4 to F11. 310 24 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between B310-IW (2) B310-IW (2)-74 24 5.5 columns F4 to F11. 3/16/2016 310 30 4 Acid Pipe above the ceiling from Area 30, 4 and 24 between 5.5 24 B310-IW (2) B310-IW (2)-75 3/16/2016 310 columns F4 to F11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		30					Acid Ding above the spilling from Area 20, 4 and 24 between
3/16/2016	210	4	P310 IV/ (2)	P310 IW (2) 76	5 5		Acid Fipe above the centring from Area 50, 4 and 24 between
3/10/2010	310	30	B310-IVV (2)	B310-IVV (2)-70	5.5		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-77	5.5		columns F4 to F11.
		30					
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-78	5.5		columns F4 to F11.
		30					
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-79	5.5		columns F4 to F11.
		30					Acid Dine above the spilling from Area 20, 4 and 24 between
2/16/2016	210	4			F		Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/10/2010	310	24	B310-IVV (2)	B310-IVV (2)-60	5.5		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-81	55		columns F4 to F11
0.10.20.10	0.0	30			0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-82	5.5		columns F4 to F11.
		30					
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-83	5.5		columns F4 to F11.
		30					
2/40/0040	210	4			. .		Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IVV (2)	B310-IVV (2)-84	5.5		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310		B310-IW (2)	B310-IW (2)-85	55		columns E4 to E11
5/10/2010	010	30	D010-100 (2)	D310-IVV (2)-03	0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-86	5.5		columns F4 to F11.
		30		, <i>, ,</i>			
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-87	5.5		columns F4 to F11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		30					Acid Dine shows the solling from Area 20, 4 and 24 between
2/16/2016	210	4		D210 IVV (2) 00	5 5		Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/10/2010	310	<u></u> 30	B310-IVV (2)	B310-IVV (2)-00	5.5		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-89	5.5		columns F4 to F11.
0.10.2010		30		2010111(2)00	0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-90	5.5		columns F4 to F11.
		30					
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-91	5.5		columns F4 to F11.
		30					
0/40/0040	040	4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IVV (2)	B310-IVV (2)-92	5.0		COlumns F4 to F11.
		1					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310		B310-IW (2)	B310-IW/ (2)-93	5.0		columns E4 to E11
5/10/2010	510	30	D010-100 (2)	D010-100 (2)-00	0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-94	5.0		columns F4 to F11.
		30	· · · · · · · · · · · · · · · · · · ·				
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-95	5.0		columns F4 to F11.
		30					
	0.4.0	4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-96	5.0		columns F4 to F11.
		3U 1					Acid Pine above the coiling from Area 20, 4 and 24 between
2/16/2016	210	4		B210 IV/ (2) 07	5.0		Acid Fipe above the centry from Area 50, 4 and 24 between
3/10/2010	310	30	D310-IVV (2)	D310-IVV (Z)-97	5.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-98	5.0		columns F4 to F11.
		30	(_)		0.0		
		4					Acid Pipe above the ceiling from Area 30, 4 and 24 between
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-99	5.0		columns F4 to F11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-100	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-101	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-102	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-103	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-104	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-105	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-106	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/16/2016	310	24	B310-IW (2)	B310-IW (2)-107	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/17/2016	310	24	B310-IW (2)	B310-IW (2)-108	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/17/2016	310	24	B310-IW (2)	B310-IW (2)-109	5.5		between columns F4 to F11.
		30					Secondary containment tray that was under acid and
		4					fluoride pipe above the ceiling from Area 30, 4 and 24
3/17/2016	310	24	B310-IW (2)	B310-IW (2)-110	5.5		between columns F4 to F11.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

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Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-111	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns E4 to E11
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-112	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns F4 to F11.
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-113	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns F4 to F11.
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-114	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns F4 to F11.
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-115	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns F4 to F11.
3/17/2016	310	30 4 24	B310-IW (2)	B310-IW (2)-116	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 30, 4 and 24 between columns F4 to F11.
3/17/2016	310	2 37	B310-IW (2)	B310-IW (2)-117	5.5		Acid Pipe above the ceiling from Area 2 and 37 between columns R11 to R9 on the R4 to R11 line.
3/17/2016	310	2 37	B310-IW (2)	B310-IW (2)-118	5.5		Acid Pipe above the ceiling from Area 2 and 37 between columns R11 to R9 on the R4 to R11 line.
3/17/2016	310	2 37	B310-IW (2)	B310-IW (2)-119	5.5		Acid Pipe above the ceiling from Area 2 and 37 between columns R11 to R9 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrion¹ colorpHast² SWMU ID# (pH Test) (pH Test) Description Date Building Sample # Area 2 Acid Pipe above the ceiling from Area 2 and 37 between columns R11 to R9 on the R4 to R11 line. 3/17/2016 310 37 B310-IW (2) B310-IW (2)-120 5.5 2 Acid Pipe above the ceiling from Area 2 and 37 between columns R11 to R9 on the R4 to R11 line. 3/17/2016 310 37 B310-IW (2) B310-IW (2)-121 5.5 Acid Pipe above the ceiling from Area 2 and 37 between 2 3/17/2016 310 37 B310-IW (2) B310-IW (2)-122 5.5 columns R11 to R9 on the R4 to R11 line. 2 Acid Pipe above the ceiling from Area 2 and 37 between 310 37 B310-IW (2) B310-IW (2)-123 5.5 columns R11 to R9 on the R4 to R11 line. 3/17/2016 2 Acid Pipe above the ceiling from Area 2 and 37 between 37 5.5 columns R11 to R9 on the R4 to R11 line. 3/17/2016 310 B310-IW (2) B310-IW (2)-124 2 Acid Pipe above the ceiling from Area 2 and 37 between 3/17/2016 310 37 B310-IW (2) B310-IW (2)-125 5.5 columns R11 to R9 on the R4 to R11 line. 2 Acid Pipe above the ceiling from Area 2 and 37 between 5.5 37 B310-IW (2) B310-IW (2)-126 3/17/2016 310 columns R11 to R9 on the R4 to R11 line. 2 Acid Pipe above the ceiling from Area 2 and 37 between B310-IW (2) B310-IW (2)-127 columns R11 to R9 on the R4 to R11 line. 3/17/2016 310 37 5.5 Acid Pipe above the ceiling from Area 2 and 37 between 2 B310-IW (2) B310-IW (2)-128 5.5 columns R11 to R9 on the R4 to R11 line. 3/17/2016 310 37 2 Acid Pipe above the ceiling from Area 2 and 37 between 3/17/2016 310 37 B310-IW (2) B310-IW (2)-129 5.5 columns R11 to R9 on the R4 to R11 line. 2 Acid Pipe above the ceiling from Area 2 and 37 between 3/17/2016 310 37 B310-IW (2) B310-IW (2)-130 5.5 columns R11 to R9 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		2					Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-131	5.5		columns R11 to R9 on the R4 to R11 line.
		0					Acid Dine choice the spilling from Area 2 and 27 between
3/17/2016	310	2 37	B310-IW/ (2)	B310_IW (2)_132	55		columns R11 to R9, on the R4 to R11 line
0/11/2010	010	01	D0101W(2)		0.0		
		2					Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-133	5.5		columns R11 to R9 on the R4 to R11 line.
		2					Acid Dine above the sciling from Area 2 and 27 between
3/17/2016	310	2 37	B310_IW/ (2)	B310_IW (2)_134	55		columns R11 to R9, on the R4 to R11 line
5/11/2010	510	51	D010-111 (2)	D010-100 (2)-104	0.0		
		2					Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-135	5.5		columns R11 to R9 on the R4 to R11 line.
		0					Acid Dine above the solling from Area 2 and 27 between
2/17/2016	210	2		R310 IW (2) 136	5 5		Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2010	510	51	B310-100 (2)	D310-IVV (2)-130	5.5		
		2					Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-137	5.5		columns R11 to R9 on the R4 to R11 line.
		0					
2/17/2016	210	2			E E		Acid Pipe above the ceiling from Area 2 and 37 between
3/17/2010	310	37	B310-IVV (Z)	B310-IVV (Z)-130	5.5		Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-139	5.5		columns R11 to R9 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		2		/ / / / / .			fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-140	5.5		columns R11 to R9 on the R4 to R11 line.
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-141	5.5		columns R11 to R9 on the R4 to R11 line.
	0.0		(_)				Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-142	5.5		columns R11 to R9 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
				_			Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-143	5.5		columns R11 to R9 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-144	5.5		columns R11 to R9 on the R4 to R11 line.
		_					Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-145	5.5		columns R11 to R9 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-146	5.5		columns R11 to R9 on the R4 to R11 line.
		0					Secondary containment tray that was under acid and
0/47/0040	210	2					nuonde pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IVV (2)	B310-IVV (2)-147	5.5		Columns R11 to R9 on the R4 to R11 line.
		2					flueride nine above the colling from Area 2 and 37 between
2/17/2016	210	27	D210 IM (2)	D210 IV/ (2) 149	5 5		columns B11 to B0, on the B4 to B11 line
3/17/2010	510	57	D310-1VV (2)	D310-IVV (2)-140	5.5		Secondary containment tray that was under acid and
		2					fluoride nine above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-149	55		columns R11 to R9 on the R4 to R11 line
0/11/2010	010	01	2010111(2)		0.0		Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-150	5.5		columns R11 to R9 on the R4 to R11 line.
		-					Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-151	5.5		columns R11 to R9 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		2					fluoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-152	5.5		columns R11 to R9 on the R4 to R11 line.
		0					Secondary containment tray that was under acid and
0/47/0040	0.40	2					illuoride pipe above the ceiling from Area 2 and 37 between
3/17/2016	310	37	B310-IW (2)	B310-IW (2)-153	5.5		columns R11 to R9 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # 18 Acid Pipe above the ceiling from Area 18 and MER between 3/21/2016 B310-IW (2) B310-IW (2)-154 5.5 columns R9 to R7 on the R4 to R11 line. 310 MER Acid Pipe above the ceiling from Area 18 and MER between 18 3/21/2016 310 MER B310-IW (2) B310-IW (2)-155 5.5 columns R9 to R7 on the R4 to R11 line. Acid Pipe above the ceiling from Area 18 and MER between 18 B310-IW (2) B310-IW (2)-156 columns R9 to R7 on the R4 to R11 line. MER 5.5 3/21/2016 310 Acid Pipe above the ceiling from Area 18 and MER between 18 3/21/2016 B310-IW (2) B310-IW (2)-157 5.5 columns R9 to R7 on the R4 to R11 line. 310 MER Acid Pipe above the ceiling from Area 18 and MER between 18 columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 MER B310-IW (2) B310-IW (2)-158 5.5 Acid Pipe above the ceiling from Area 18 and MER between 18 3/21/2016 310 B310-IW (2) B310-IW (2)-159 5.5 columns R9 to R7 on the R4 to R11 line. MER Acid Pipe above the ceiling from Area 18 and MER between 18 B310-IW (2) B310-IW (2)-160 columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 MER 5.5 Acid Pipe above the ceiling from Area 18 and MER between 18 3/21/2016 B310-IW (2) B310-IW (2)-161 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between 5.5 columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 MER B310-IW (2) B310-IW (2)-162

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-163 3/21/2016 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-164 3/21/2016 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-165 5.5 3/21/2016 310 MER columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-166 3/21/2016 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-167 columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 MER 5.5 Acid Pipe above the ceiling from Area 18 and MER between 18 MER 5.5 columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 B310-IW (2) B310-IW (2)-168 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-169 3/21/2016 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. 18 Acid Pipe above the ceiling from Area 18 and MER between B310-IW (2) B310-IW (2)-170 3/21/2016 310 MER 5.5 columns R9 to R7 on the R4 to R11 line. Acid Pipe above the ceiling from Area 18 and MER between 18 3/21/2016 310 MER B310-IW (2) B310-IW (2)-171 5.5 columns R9 to R7 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrian¹ colornHoot²

Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		10					Acid Disc above the colling from Area 10 and MED between
2/21/2016	210				E E		Acid Pipe above the ceiling from Area 18 and MER between
3/21/2016	310	INER	B310-IVV (2)	B310-1VV (Z)-17Z	5.5		
		18					Acid Pine above the ceiling from Area 18 and MER between
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-173	55		columns R9 to R7 on the R4 to R11 line
0/21/2010	010	MER			0.0		
		18					Acid Pipe above the ceiling from Area 18 and MER between
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-174	5.5		columns R9 to R7 on the R4 to R11 line.
		18					Acid Pipe above the ceiling from Area 18 and MER between
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-175	5.5		columns R9 to R7 on the R4 to R11 line.
		10					
0.004.0004.0	0.10	18					Acid Pipe above the ceiling from Area 18 and MER between
3/21/2016	310	MER	B310-IVV (2)	B310-IW (2)-176	5.5		Columns R9 to R7 on the R4 to R11 line.
		18					fluoride pipe above the ceiling from Area 18 and MED
3/21/2016	310	MED	B310 IW (2)	B310 IW (2) 177	5 5		hatween columns P0 to P7, on the P4 to P11 line
5/21/2010	510		D310-100 (2)	D310-IVV (2)-177	5.5		Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-178	5.5		between columns R9 to R7 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-179	5.5		between columns R9 to R7 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-180	5.5		between columns R9 to R7 on the R4 to R11 line.
		40					Secondary containment tray that was under acid and
2/24/2240	240	18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IVV (2)	B310-IVV (2)-181	5.5		Detween columns R9 to R7 on the R4 to R11 line.
		18					fluoride nine above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310_IW (2)	B310_IW/ (2)_182	5 5		between columns R0 to R7, on the R4 to R11 line
0,21,2010	010			2010-100 (2)-102	0.0		Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-183	55		between columns R9 to R7 on the R4 to R11 line

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

colorpHast² Hvdrion¹ SWMU ID# (pH Test) (pH Test) Description Building Sample # Date Area Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 310 MER B310-IW (2) B310-IW (2)-184 5.5 between columns R9 to R7 on the R4 to R11 line. Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER MER between columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 B310-IW (2) B310-IW (2)-185 5.5 Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 310 MER B310-IW (2) B310-IW (2)-186 5.5 between columns R9 to R7 on the R4 to R11 line. Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 310 MER B310-IW (2) B310-IW (2)-187 5.5 between columns R9 to R7 on the R4 to R11 line. Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 310 MER B310-IW (2) B310-IW (2)-188 5.5 between columns R9 to R7 on the R4 to R11 line. Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 MER B310-IW (2) B310-IW (2)-189 5.5 between columns R9 to R7 on the R4 to R11 line. 310 Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER B310-IW (2) B310-IW (2)-190 3/21/2016 310 MER 5.5 between columns R9 to R7 on the R4 to R11 line. Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER between columns R9 to R7 on the R4 to R11 line. 3/21/2016 310 MER B310-IW (2) B310-IW (2)-191 5.5 Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 18 and MER 18 3/21/2016 MER B310-IW (2) B310-IW (2)-192 5.5 between columns R9 to R7 on the R4 to R11 line. 310 Secondary containment tray that was under acid and 18 fluoride pipe above the ceiling from Area 18 and MER 3/21/2016 MER B310-IW (2) B310-IW (2)-193 5.5 between columns R9 to R7 on the R4 to R11 line. 310

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Bato	Banang	7404		Campio "	(p. 1000)	(p ,	Boochphon
							Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-194	5.5		between columns R9 to R7 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		18					fluoride pipe above the ceiling from Area 18 and MER
3/21/2016	310	MER	B310-IW (2)	B310-IW (2)-195	5.5		between columns R9 to R7 on the R4 to R11 line.
							Secondary containment tray that was under acid and
		18					fluoride nine above the ceiling from Area 18 and MEP
3/21/2016	310	MED	B310 IW (2)	B310 IW (2) 106	5 5		between columns P0 to P7, on the P4 to P11 line
5/21/2010	510		D310-100 (2)	D310-100 (2)-190	0.0		
							Acid Pipe above the ceiling from Area 19 between columns
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-197	5.5		R7 to R4 on the R4 to R11 line.
							Acid Pipe above the ceiling from Area 19 between columns
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-198	5.5		R7 to R4 on the R4 to R11 line.
							Asid Dina above the sailing from Area 10 between solumns
3/22/2016	210	10	P210 IW (2)	R310 IW (2) 100	5 5		P7 to P4, on the P4 to P11 line
3/23/2010	310	19	B310-IVV (2)	D310-IVV (2)-199	5.5		
							Acid Pipe above the ceiling from Area 19 between columns
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-200	5.5		R7 to R4 on the R4 to R11 line.
			. /				
0/00/00/0	010	40					Acid Pipe above the ceiling from Area 19 between columns
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-201	5.5		IR / to R4 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hydrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # Acid Pipe above the ceiling from Area 19 between columns 3/23/2016 310 19 B310-IW (2) B310-IW (2)-202 5.5 R7 to R4 on the R4 to R11 line. Acid Pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line. 3/23/2016 310 19 B310-IW (2) B310-IW (2)-203 5.5 Acid Pipe above the ceiling from Area 19 between columns B310-IW (2) B310-IW (2)-204 5.5 R7 to R4 on the R4 to R11 line. 3/23/2016 310 19 Acid Pipe above the ceiling from Area 19 between columns B310-IW (2) B310-IW (2)-205 5.5 3/23/2016 310 19 R7 to R4 on the R4 to R11 line. Acid Pipe above the ceiling from Area 19 between columns 3/23/2016 310 19 B310-IW (2) B310-IW (2)-206 5.5 R7 to R4 on the R4 to R11 line. Acid Pipe above the ceiling from Area 19 between columns 310 B310-IW (2) B310-IW (2)-207 R7 to R4 on the R4 to R11 line. 3/23/2016 19 5.5 Acid Pipe above the ceiling from Area 19 between columns B310-IW (2) B310-IW (2)-208 R7 to R4 on the R4 to R11 line. 3/23/2016 310 19 5.5 Acid Pipe above the ceiling from Area 19 between columns B310-IW (2) B310-IW (2)-209 5.5 3/23/2016 310 19 R7 to R4 on the R4 to R11 line. Acid Pipe above the ceiling from Area 19 between columns 5.5 3/23/2016 310 19 B310-IW (2) B310-IW (2)-210 R7 to R4 on the R4 to R11 line. Acid Pipe above the ceiling from Area 19 between columns B310-IW (2) B310-IW (2)-211 5.5 310 19 R7 to R4 on the R4 to R11 line. 3/23/2016

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Building	Area	SWMU ID#	Sample #	Hydrion' (pH Test)	colorpHast ² (pH Test)	Description
0.00.0040	040	40					Acid Pipe above the ceiling from Area 19 between columns
3/23/2016	310	19	B310-IVV (2)	B310-IW (2)-212	5.5		
							Acid Ding above the soliting from Area 10 between columns
2/22/2016	210	10		D240 IVV (2) 242	E		Acid Pipe above the celling from Area 19 between columns
3/23/2010	310	19	B310-IVV (2)	B310-IVV (Z)-Z13	5.5		
							Acid Pine above the ceiling from Area 10 between columns
3/22/2016	310	10	B310 IM (2)	P210 IM (2) 214	5 5		P7 to P4, on the P4 to P11 line
3/23/2010	510	19	B310-100 (2)	D310-IVV (2)-214	5.5		Secondary containment tray that was under acid and
							fluoride nine above the ceiling from Area 19 between
3/23/2016	310	10	B310_IW/ (2)	B310_IW/ (2)_215	55		columns R7 to R4, on the R4 to R11 line
5/25/2010	510	13		D310-100 (2)-213	0.0		Secondary containment tray that was under acid and
							fluoride nine above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-216	55		columns R7 to R4, on the R4 to R11 line
0/20/2010	010	10		0010111(2)210	0.0		Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-217	5.5		columns R7 to R4 on the R4 to R11 line.
0.20.20.0	0.0				0.0		Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-218	5.5		columns R7 to R4 on the R4 to R11 line.
							Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-219	5.5		columns R7 to R4 on the R4 to R11 line.
							Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-220	5.5		columns R7 to R4 on the R4 to R11 line.
							Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-221	5.5		columns R7 to R4 on the R4 to R11 line.
							Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-222	5.5		columns R7 to R4 on the R4 to R11 line.
							Secondary containment tray that was under acid and
							fluoride pipe above the ceiling from Area 19 between
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-223	5.5		columns R7 to R4 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² SWMU ID# (pH Test) (pH Test) Date Building Sample # Description Area Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 310 19 B310-IW (2) B310-IW (2)-224 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between B310-IW (2) B310-IW (2)-225 5.5 columns R7 to R4 on the R4 to R11 line. 3/23/2016 310 19 Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 310 19 B310-IW (2) B310-IW (2)-226 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between B310-IW (2) B310-IW (2)-227 3/23/2016 310 19 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 310 19 B310-IW (2) B310-IW (2)-228 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 310 19 B310-IW (2) B310-IW (2)-229 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 310 19 B310-IW (2) B310-IW (2)-230 5.5 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between B310-IW (2) B310-IW (2)-231 5.5 3/23/2016 310 19 columns R7 to R4 on the R4 to R11 line. Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 3/23/2016 5.5 columns R7 to R4 on the R4 to R11 line. 310 19 B310-IW (2) B310-IW (2)-232 Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between 5.5 3/23/2016 310 19 B310-IW (2) B310-IW (2)-233 columns R7 to R4 on the R4 to R11 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

9/16/2016

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-234	5.5	()	Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-235	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-236	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-237	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-238	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
3/23/2016	310	19	B310-IW (2)	B310-IW (2)-239	5.5		Secondary containment tray that was under acid and fluoride pipe above the ceiling from Area 19 between columns R7 to R4 on the R4 to R11 line.
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-240	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-241	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-242	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
		6					
4/19/2016	310	ISC Lab	B310-IW (2)	B310-IW (2)-243	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-244	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-245	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/10/2016	310	6 190 Lab	P310 IW (2)	P310 IW (2) 246	5.5		Acid Pipe above the spiling from Area 6 ISC Moreury Lab
4/19/2010	310	6	D210 IW (2)	D210 IW (2) 247	5.5		Asid Dine shows the spilling from Area C ISC Mercury Lab
4/19/2010	310	6	B310-IW (2)	B310-IW (2)-247	5.5		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6	B310-IVV (2)	B310-1W (2)-248	5.5		Acid Pipe above the celling from Area 6 ISC Mercury Lab
4/19/2016	310	ISC Lab	B310-IW (2)	B310-IW (2)-249	6.0		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-250	6.0		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab
4/19/2016	310	6 ISC Lab	B310-IW (2)	B310-IW (2)-251	6.0		Acid Pipe above the ceiling from Area 6 ISC Mercury Lab

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Sample # Area 6 ISC Lab | B310-IW (2) | B310-IW (2)-252 4/19/2016 310 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab | B310-IW (2) | B310-IW (2)-253 6.0 4/19/2016 310 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab | B310-IW (2) | B310-IW (2)-254 310 6.0 4/19/2016 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab B310-IW (2) B310-IW (2)-255 4/19/2016 310 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 4/19/2016 310 ISC Lab | B310-IW (2) | B310-IW (2)-256 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 4/19/2016 310 ISC Lab | B310-IW (2) | B310-IW (2)-257 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab | B310-IW (2) | B310-IW (2)-258 4/19/2016 310 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab | B310-IW (2) | B310-IW (2)-259 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 4/19/2016 310 6.0 6 ISC Lab | B310-IW (2) | B310-IW (2)-260 4/19/2016 310 6.0 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 6 ISC Lab | B310-IW (2) | B310-IW (2)-261 4/19/2016 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 310 6.0 6 ISC Lab B310-IW (2) B310-IW (2)-262 Acid Pipe above the ceiling from Area 6 ISC Mercury Lab 4/19/2016 6.0 310 310 5.0 5/4/2016 4 B310-IW (2) B310-IW (2)-263 Acid drain drop pipe from Area 4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

colorpHast²

Hydrion¹

Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # B310-IW (2) B310-IW (2)-264 5/4/2016 310 4 5.0 Acid drain drop pipe from Area 4. 5/4/2016 310 B310-IW (2) B310-IW (2)-265 5.0 Acid drain drop pipe from Area 4. 4 5/4/2016 310 4 B310-IW (2) B310-IW (2)-266 5.0 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-267 5/4/2016 310 4 5.0 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-268 5/4/2016 310 4 5.0 Acid drain drop pipe from Area 4. 5/4/2016 310 B310-IW (2) B310-IW (2)-269 5.0 4 Acid drain drop pipe from Area 4. 5/4/2016 B310-IW (2) B310-IW (2)-270 310 4 5.0 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-271 5/4/2016 310 4 5.0 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-272 5/4/2016 310 5.0 4 Acid drain drop pipe from Area 4. 5/4/2016 310 4 B310-IW (2) B310-IW (2)-273 5.5 Acid drain drop pipe from Area 4.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

Hydrion¹ colorpHast² Building SWMU ID# Sample # (pH Test) (pH Test) Description Date Area B310-IW (2) B310-IW (2)-274 5/4/2016 310 4 5.5 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-275 Acid drain drop pipe from Area 4. 5/4/2016 310 4 5.5 5/4/2016 310 4 B310-IW (2) B310-IW (2)-276 5.5 Acid drain drop pipe from Area 4. 5/4/2016 310 4 B310-IW (2) B310-IW (2)-277 5.5 Acid drain drop pipe from Area 4. Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-278 5/4/2016 310 4 5.5 5/4/2016 310 4 B310-IW (2) B310-IW (2)-279 5.5 Acid drain drop pipe from Area 4. B310-IW (2) B310-IW (2)-280 PVC acid drain pipe from MER. 6/13/2016 310 6.0 MER 6/13/2016 310 B310-IW (2) B310-IW (2)-281 PVC acid drain pipe from MER. MER 6.0

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

Data	Ruilding	Aroa	SWMILID#	Sampla #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Date	Bullulity	Alea	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-282	6.0		PVC acid drain nine from MER
0/10/2010	010	MER	2010 111 (2)	2010 111 (2) 202	0.0		
6/13/2016	310	MER	B310_IW/ (2)	B310-IW/ (2)-283	6.0		PVC acid drain nine from MER
0/13/2010	510		D310-100 (2)	D310-100 (2)-203	0.0		
6/12/2016	210	MED			6.0		DVC asid drain ning from MED
0/13/2010	310	MER	B310-IVV (2)	D310-IVV (Z)-Z04	0.0		
0/40/0040	0.4.0						
6/13/2016	310	MER	B310-IVV (2)	B310-IW (2)-285	6.0		PVC acid drain pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-286	6.0		PVC acid drain pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-287	6.0		PVC acid drain pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-288	6.0		PVC acid drain pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-289	6.0		PVC acid drain pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-290	6.0		PVC acid vent pipe from MER.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 18 Building 310 SWMU Piping Above Ceiling SWMU Component Verification Data DCAP EOL ARO Project

9/16/2016

Dete	Duilding	Aree	CIA/MILLID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIU ID#	Sample #	(pri test)	(pri rest)	Description
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-291	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-292	6.0		PVC acid vent nine from MER
0/10/2010	010		0010111(2)	0010111 (2) 202	0.0		
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-293	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-294	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-295	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-296	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-297	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-298	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-299	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-300	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-301	6.0		PVC acid vent pipe from MER.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Date	Dunung	Alca			(pri root)	(pri 1001)	Description
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-302	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-303	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-304	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-305	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-306	6.0		PVC acid vent pipe from MER.
				, <i>,</i>			· ·
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-307	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-308	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-309	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-310	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-311	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-312	6.0		PVC acid vent pipe from MER.
6/13/2016	310	MER	B310-IW (2)	B310-IW (2)-313	6.0		PVC acid vent pipe from MER.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	Aroo		Somalo #	Hydrion ¹	colorpHast ²	Description
Date	Бинанд	Area		Sample #	(ph test)	(ph test)	Description
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-314	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	q	B310-IW (2)	B310-IW (2)-315	6.0		PVC acid drain nine from Area 9
0/10/2010	010	0		B0101W(2)010	0.0		
		_					
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-316	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-317	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-318	6.0		PVC acid drain pipe from Area 9.
					010		
0/40/0040	040	0					
6/13/2016	310	9	B310-IVV (2)	B310-IVV (2)-319	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-320	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-321	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	٥	B310 IM (2)	B310 IW (2) 322	6.0		PVC acid drain nine from Area 9
0/13/2010	510	3		D510-100 (2)-522	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-323	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-324	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-325	6.0		PVC acid drain pipe from Area 9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Date	Building	Alea			(p111030)	(pri rest)	Description
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-326	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	q	B310-IW (2)	B310-IW (2)-327	6.0		PVC acid drain nine from Area 9
0/10/2010	010	0			0.0		
		-					
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-328	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-329	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	٩	B310-IW (2)	B310-IW (2)-330	6.0		PVC acid drain nine from Area 9
0/13/2010	510	3	D310-100 (2)	D310-100 (2)-330	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-331	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-332	6.0		PVC acid drain pipe from Area 9.
6/12/2016	210	0		D240 IVV (2) 222	6.0		\mathbf{D} /C and drain hims from Area 0
0/13/2010	310	9	B310-IVV (2)	B310-IVV (Z)-333	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-334	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-335	6.0		PVC acid drain pipe from Area 9.
	•						
	0.4.0	•					
6/13/2016	310	9	B310-IW (2)	B310-IVV (2)-336	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-337	6.0		PVC acid drain pipe from Area 9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMILID#	Sample #	Hydrion ¹ (nH Test)	colorpHast ² (pH Test)	Description
Date	Building	Alea					Description
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-338	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-339	6.0		PVC acid drain pipe from Area 9.
0/40/0040	240	0		D240 IV4 (0) 240	<u> </u>		
6/13/2016	310	9	B310-IVV (2)	B310-IVV (2)-340	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-341	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-342	6.0		PVC acid drain pipe from Area 9.
					0.0		
0/40/0040	040	•					
6/13/2016	310	9	B310-IW (2)	B310-IVV (2)-343	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-344	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-345	6.0		PVC acid drain nine from Area 9
0,10,2010	010	0			0.0		
0/40/0040	0.4.0	•					
6/13/2016	310	9	B310-IW (2)	B310-IVV (2)-346	6.0		PVC acid drain pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-347	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-348	6.0		PVC acid vent pipe from Area 9
0,10,2010	0.0	•			0.0		
		_					
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-349	6.0		PVC acid vent pipe from Area 9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

5.4				• • · · ·	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-350	6.0		PVC acid vent pipe from Area 9.
6/13/2016	210	0		P210 IV/ (2) 251	6.0		PVC acid yent pipe from Area 0
0/13/2010	510	9	B310-IVV (2)	B310-100 (2)-351	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-352	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-353	6.0		PVC acid vent pipe from Area 9.
6/13/2016	210	0		P210 IV/ (2) 254	6.0		PVC acid yent pipe from Area 0
0/13/2010	510	9	B310-IVV (2)	D310-100 (2)-304	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-355	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-356	6.0		PVC acid vent pipe from Area 9.
6/13/2016	210	0		P210 IV/ (2) 257	6.0		PVC acid yent pipe from Area 0
0/13/2010	510	9	B310-100 (2)	D310-100 (2)-337	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-358	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-359	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-360	6.0		PVC acid vent nine from Area 9
0,10,2010	010	0		2010-100 (2)-300	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-361	6.0		PVC acid vent pipe from Area 9.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-362	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	Q	B310 IW (2)	R310 IW (2) 363	6.0		PVC acid vent nine from Area 0
0/13/2010	510	3	D310-100 (2)	D310-100 (2)-303	0.0		
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-364	6.0		PVC acid vent pipe from Area 9.
6/13/2016	310	9	B310-IW (2)	B310-IW (2)-365	6.0		PVC acid vent pipe from Area 9.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-366	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	210	222 222			F F		2 inch DVC agid ning from D22, 122 staged in Area 64
1/20/2016	310	D23-J23	B310-IVV (2)	B310-IVV (2)-307	5.5		S Inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-368	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-369	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-370	55		3 inch PVC acid nine from D23-123 staged in Area 64
1120/2010	0.0	220 020	2010111(2)		0.0		
7/00/0040	040						
7/20/2016	310	D23-J23	B310-IVV (2)	B310-IVV (2)-371	5.5		3 Inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-372	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-373	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Date	Dunung	Alca			(p11100t)	(p11100t)	Description
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-374	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-375	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-376	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-377	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-378	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-379	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-380	5.5		3 inch PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-381	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-382	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-383	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-384	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-385	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Puilding	Aroo	SWMILID#	Sample #	Hydrion ¹	colorpHast ²	Description
Dale	Бинану	Alea	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-386	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-387	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-388	5.5		1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-389	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-390	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-391	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-392	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 64.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-393	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 64.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-394	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-395	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-396	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-397	5.5		3 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data			0.000	0	Hydrion ¹	colorpHast ²	
Date	Building	Area	SVVIVIU ID#	Sample #	(pri rest)	(pri rest)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-398	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-399	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW/ (2)	B310-IW (2)-400	55		3 inch PVC acid nine from D21-121
1120/2010	010	021021			0.0		
7/20/2016	210	D21 121	D210 IV/ (2)		5 5		2 inch DVC agid ning from D21, 121
1/20/2010	310	DZ I-JZ I	D310-1VV (Z)	D310-IVV (2)-401	5.5		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-402	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-403	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-404	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-405	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21_121	B310_I\\/ (2)	B310-IW (2)-406	5 5		$3 \text{ inch } \mathbb{P}/\mathbb{C}$ acid nine from \mathbb{D}^{21} 121
112012010	510	D21-321		D310-100 (2)-400	0.0		
7/00/0040	040	D04 104					
7/20/2016	310	D21-J21	B310-IW (2)	B310-IVV (2)-407	5.5		3 Inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-408	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-409	5.5		3 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMILID#	Sample #	Hydrion ¹	colorpHast ²	Description
Date	Dullullig	Area	SVVIVIO ID#	Sample #	(pri rest)	(pri lest)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-410	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-411	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-412	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-413	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-414	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-415	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-416	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-417	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-418	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-419	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-420	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-421	5.5		1 1/2 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Puilding	Aroo	SWMILID#	Sample #	Hydrion ¹	colorpHast ²	Description
Date	Dullullig	Alea	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-422	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-423	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-424	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-425	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-426	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-427	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-428	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-429	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-430	5.5		Acid drain drop pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-431	5.5		Acid vent pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-432	5.5		Acid vent pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-433	5.5		Acid vent pipe from Area 60.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMIT ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Dale	Building	Area	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-434	5.5		Acid vent pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-435	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-436	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-437	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-438	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-439	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-440	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-441	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-442	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-443	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-444	5.5		PVC acid pipe from Area 60.
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-445	5.5		PVC acid pipe from Area 60.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date

Building

Area

SWMU ID#

Sample #

Table 18 Building 310 SWMU Piping Above Ceiling SWMU Component Verification Data DCAP EOL ARO Project

colorpHast²

(pH Test)

Hydrion¹

(pH Test)

Description cid pipe from Area 60.

7/20/2016	310	60	B310-IW/ (2)	B310-IW (2)-446	5.5	PVC acid nine from Area 60
1120/2010	510	00	D010-100 (2)	D010-100 (2)-440	0.0	
7/20/2016	310	60	B310-IW (2)	B310-IW (2)-447	5.5	PVC acid pipe from Area 60.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-448	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-449	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-450	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-451	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-452	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-453	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-454	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-455	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-456	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-457	5.5	1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Area Sample # 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-458 7/20/2016 310 5.5 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-459 310 5.5 7/20/2016 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-460 7/20/2016 310 5.5 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 310 D23-J23 B310-IW (2) B310-IW (2)-461 5.5 7/20/2016 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 310 D23-J23 B310-IW (2) B310-IW (2)-462 5.5 7/20/2016 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-463 5.5 7/20/2016 310 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-464 5.5 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 310 D23-J23 B310-IW (2) B310-IW (2)-465 5.5 7/20/2016 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-466 5.5 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 | B310-IW (2) | B310-IW (2)-467 7/20/2016 310 5.5 1 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-468 6.0 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-469 7/20/2016 310 6.0 1

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² Building SWMU ID# (pH Test) (pH Test) Description Date Sample # Area 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-470 7/20/2016 310 6.0 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-471 310 6.0 7/20/2016 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-472 7/20/2016 310 6.0 1. 1 1/2 inch inner PVC acid pipe from D23-J23 staged in Area D23-J23 B310-IW (2) B310-IW (2)-473 7/20/2016 310 6.0 1. 310 D23-J23 B310-IW (2) B310-IW (2)-474 5.5 7/20/2016 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. D23-J23 B310-IW (2) B310-IW (2)-475 5.5 7/20/2016 310 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-476 5.5 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 310 D23-J23 B310-IW (2) B310-IW (2)-477 5.5 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 7/20/2016 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-478 5.5 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. D23-J23 B310-IW (2) B310-IW (2)-479 7/20/2016 310 5.5 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 7/20/2016 310 D23-J23 B310-IW (2) B310-IW (2)-480 5.5 D23-J23 B310-IW (2) B310-IW (2)-481 3 inch inner PVC acid pipe from D23-J23 staged in Area 1. 7/20/2016 310 5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

2 - colorpHast pH test strips with range from 0 to 14 (same used by Stryker DES)

9/16/2016

Dete	Duilding	A		Commis #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(ph Test)	(pri test)	Description
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-482	5.5		3 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-483	5.5		3 inch inner PVC acid pipe from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-484	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-485	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-486	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-487	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-488	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-489	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D23-J23	B310-IW (2)	B310-IW (2)-490	5.5		Acid/Fluoride secondary containment tray from D23-J23 staged in Area 1.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-491	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-492	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-493	6.0		3 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	Aroo	CIMMULID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Бинанд	Area		Sample #	(ph test)	(ph test)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-494	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-495	6.0		3 inch PVC acid pipe from D21-J21.
7/00/0040	210	D01 101		D240 IVA((2) 400	6.0		2 inch DV/C asid ning from D24, 124
//20/2016	310	DZI-JZI	B310-IVV (2)	B310-IVV (2)-490	6.0		3 Inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-497	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-498	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21_121	B310-IW/ (2)	B310-IW (2)-499	6.0		3 inch PV/C acid nine from D21-121
1120/2010	010	021021		2010111 (2) 400	0.0		
= 100 100 10							
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-500	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-501	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-502	6.0		3 inch PVC acid pipe from D21-J21.
7/20/2016	210	D21 121	P210 IW/ (2)		6.0		3 inch DVC acid ning from D21, 121
1/20/2010	510	DZ I-JZ I	B310-IVV (2)	B310-100 (2)-503	0.0		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-504	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-505	5.5		3 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	Aroo	CIMMULID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri rest)	(pri test)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-506	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW/ (2)	B310-IW (2)-507	55		3 inch PVC acid nine from D21-121
1120/2010	010	021021		2010111 (2) 001	0.0		
= 100 100 10							
//20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-508	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-509	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-510	5.5		3 inch PVC acid pipe from D21-J21.
7/00/0040	210	D01 101			F F		2 inch DV/C asid ning from D24, 124
1/20/2016	310	DZ1-JZ1	B310-IVV (2)	B310-IVV (2)-511	5.5		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-512	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-513	5.5		3 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW/ (2)	B310-IW (2)-514	5 5		1 1/2 inch PVC acid nine from D21-121
1120/2010	510	D21-021	D010-100 (2)	0010-100 (2)-014	0.0		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-515	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-516	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-517	5.5		1 1/2 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A		Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(ph test)	(pri test)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-518	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-519	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-520	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-521	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-522	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-523	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-524	5.5		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW (2)	B310-IW (2)-525	55		1 1/2 inch PVC acid nine from D21-121
1120/2010	010	021021		020	0.0		
7/20/2016	310	D21 121		P310 IW (2) 526	5 5		1 1/2 inch DVC acid ning from D21 121
1120/2010	510	D21-J21	D310-100 (2)	B310-100 (2)-320	0.0		
7/00/0040	240	D04 104			<i></i>		4.4/0 in the DV/O patiel size from D04, 104
7/20/2016	310	D21-J21	B310-IVV (2)	B310-IVV (2)-527	5.5		1 1/2 Inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-528	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-529	6.0		1 1/2 inch PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMILID#	Sample #	Hydrion ¹	colorpHast ²	Description
Date	Dullullig	Area	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-530	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-531	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-532	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-533	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-534	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-535	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-536	6.0		1 1/2 inch PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-537	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-538	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-539	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-540	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-541	5.5		1 inch inner PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duildin a	A		Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIU ID#	Sample #	(ph test)	(pri test)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-542	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-543	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-544	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-545	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21_121	B310-IW/ (2)	B310-IW (2)-546	5 5		1 inch inner PVC acid nine from D21-121
1120/2010	010	021-021		D310-100 (2)-340	0.0		
7/20/2016	210	D01 101			E		1 inch inner DVC sold nine from D21 121
//20/2016	310	DZI-JZI	B310-IVV (Z)	B310-IVV (2)-547	5.5		T inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-548	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-549	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-550	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-551	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW (2)	B310-IW (2)-552	5.5		1 inch inner PVC acid nine from D21-J21
1,20,2010	010	021021			0.0		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-553	5.5		1 inch inner PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A		Comple #	Hydrion ¹	colorpHast ²	Decerintian
Date	Building	Area		Sample #	(ph test)	(pri test)	Description
7/00/0040	0.4.0						
7/20/2016	310	D21-J21	B310-IW (2)	B310-IVV (2)-554	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-555	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-556	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	210	D21 121	D210 IV/ (2)		5 5		1 inch inner DVC acid nine from D21 121
1/20/2016	310	DZ1-JZ1	B310-IVV (2)	B310-IVV (2)-557	5.5		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-558	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-559	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21 121	P210 IV/ (2)		5 5		1 inch inner DVC acid nine from D21 121
1/20/2010	510	DZ I-JZ I	B310-IVV (2)	B310-100 (2)-500	5.5		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-561	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-562	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW (2)	B310-IW (2)-563	55		1 inch inner PVC acid nine from D21-J21
1720/2010		221021		2010 10 (2) 000	0.0		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-564	5.5		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-565	6.0		1 inch inner PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A	014/041110#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(ph test)	(pri test)	Description
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-566	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-567	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-568	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-121	B310-IW/ (2)	B310-IW (2)-569	6.0		1 inch inner PVC acid nine from D21-121
1120/2010	510	DZ I-JZ I	D310-100 (2)	D310-100 (2)-309	0.0		
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-570	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-571	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-572	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-573	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-574	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-575	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-576	6.0		1 inch inner PVC acid pipe from D21-J21.
7/20/2016	310	D21-J21	B310-IW (2)	B310-IW (2)-577	6.0		1 inch inner PVC acid pipe from D21-J21.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Hvdrion¹ colorpHast² SWMU ID# (pH Test) (pH Test) Description Date Building Sample # Area D21-J21 B310-IW (2) B310-IW (2)-578 7/20/2016 310 5.5 Acid/Fluoride secondary containment tray from D21-J21. D21-J21 B310-IW (2) B310-IW (2)-579 310 5.5 Acid/Fluoride secondary containment tray from D21-J21. 7/20/2016 D21-J21 B310-IW (2) B310-IW (2)-580 7/20/2016 310 5.5 Acid/Fluoride secondary containment tray from D21-J21. D21-J21 B310-IW (2) B310-IW (2)-581 5.5 7/20/2016 310 Acid/Fluoride secondary containment tray from D21-J21. 310 D21-J21 B310-IW (2) B310-IW (2)-582 5.5 7/20/2016 Acid/Fluoride secondary containment tray from D21-J21. 5.5 7/20/2016 310 D21-J21 B310-IW (2) B310-IW (2)-583 Acid/Fluoride secondary containment tray from D21-J21. 7/20/2016 310 D21-J21 B310-IW (2) B310-IW (2)-584 5.5 Acid/Fluoride secondary containment tray from D21-J21. 3 inch PVC acid pipe from B31- that had residue cleaned by 310 B310-IW (2) B310-IW (2)-585 5.5 7/28/2016 310 Techtron. 3 inch PVC acid pipe from B310 that had residue cleaned 7/28/2016 310 310 B310-IW (2) B310-IW (2)-586 5.5 by Techtron. 3 inch PVC acid pipe from B310 that had residue cleaned 7/28/2016 310 310 B310-IW (2) B310-IW (2)-587 5.5 by Techtron. 3 inch PVC acid pipe from B310 that had residue cleaned 7/28/2016 310 310 B310-IW (2) B310-IW (2)-588 5.5 by Techtron. 3 inch PVC acid pipe from B310 that had residue cleaned B310-IW (2) B310-IW (2)-589 7/28/2016 310 310 5.5 by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-590	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-591	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-592	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-593	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-594	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-595	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-596	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-597	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-598	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-599	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-600	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-601	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-602	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-603	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-604	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-605	5.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-606	6.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-607	6.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-608	6.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-609	6.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-610	6.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-611	6.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-612	6.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-613	6.5		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		-			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-614	7.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-615	7.0		3 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-616	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-617	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-618	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-619	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-620	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-621	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-622	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-623	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-624	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-625	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

			0.4/14/15//		Hydrion ¹	colorpHast ²	-
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-626	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-627	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-628	5.5		1 inch PVC acid pipe from B310 that had residue cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-629	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-630	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-631	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-632	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-633	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-634	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-635	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-636	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-637	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-638	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-639	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-640	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	310	B310-IW (2)	B310-IW (2)-641	5.5		Acid/Fluoride secondary containment tray from B310 cleaned by Techtron.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-642	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-643	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-644	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-645	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-646	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-647	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-648	5.5		Acid/Fluoride secondary containment tray from G16 to J16.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-649	5.5		PVC acid pipe from Area 70.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Buildina	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
					, , , , , , , , , , , , , , , , , , ,	<u> </u>	
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-650	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-651	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-652	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-653	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-654	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-655	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-656	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-657	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-658	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-659	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-660	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-661	5.5		PVC acid pipe from Area 70.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
9/16/2016

Dete	Duilding	A 110 0		Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SWMU ID#	Sample #	(pri rest)	(pri rest)	Description
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-662	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-663	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	R310 IW/ (2)	R310 JW (2) 664	5.5		PVC acid pipe from Area 70
1/20/2010	510	70	B310-IVV (2)	B310-100 (2)-004	5.5		
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-665	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-666	5.5		PVC acid pipe from Area 70.
1120/2010	010				0.0		
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-667	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-668	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-669	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-670	5.5		PVC acid pipe from Area 70.
7/00/0040	040	70					
//28/2016	310	70	B310-IW (2)	B310-IVV (2)-671	5.5		PVC acia pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-672	5.5		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-673	6.0		PVC acid pipe from Area 70.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-674	6.0		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-675	6.0		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-676	6.0		PVC acid pipe from Area 70.
			· · · ·				
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-677	6.0		PVC acid pipe from Area 70
1120/2010	010	, 0			0.0		
7/29/2016	310	70	P210 IV/ (2)		6.0		PVC acid pipe from Area 70
1/20/2010	510	70	D310-100 (Z)	B310-100 (2)-070	0.0		
7/00/0040	040	70			0.0		
7/28/2016	310	70	B310-IW (2)	B310-IVV (2)-679	6.0		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-680	6.0		PVC acid pipe from Area 70.
7/28/2016	310	70	B310-IW (2)	B310-IW (2)-681	6.0		PVC acid pipe from Area 70.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-682	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-683	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-684	5.5		PVC acid pipe from G16 to J16 line.
	0.0		<u></u>		0.0		
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-685	5.5		PVC acid pipe from G16 to J16 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Desilations		0)4/4/11/10/4	Osmala #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIU ID#	Sample #	(pri rest)	(pri rest)	Description
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-686	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-687	55		PVC acid pipe from G16 to J16 line
					010		
7/00/0040	040	040 140					DVO said size from O40 to 140 line
//28/2016	310	G10-J10	B310-IVV (2)	B310-IVV (2)-688	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-689	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-690	5.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-116	B310-IW/ (2)	B310-IW (2)-691	6.0		PVC acid nine from G16 to 116 line
1120/2010	010				0.0		
7/00/0040	040	040,140			0.0		
//28/2016	310	G16-J16	B310-IVV (2)	B310-IVV (2)-692	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-693	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-694	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-116	B310_I\\/ (2)	B310-IW (2)-695	6.0		PVC acid nine from G16 to 116 line
112012010	010	010-010		2010-100 (Z)-090	0.0		
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-696	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-697	6.0		PVC acid pipe from G16 to J16 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A		Comple#	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri rest)	(pri rest)	Description
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-698	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-116	B310_IW/ (2)	B310_IW (2)_600	6.0		PVC acid nine from G16 to 116 line
1120/2010	510	010-010		D310-100 (2)-000	0.0		
		.					
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-700	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-701	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-702	6.0		PVC acid pipe from G16 to J16 line.
7/20/2016	210	C16 116	D210 IV/ (2)		6.0		DVC asid ning from C16 to 116 ling
1/20/2010	310	G10-J10	D310-100 (2)	B310-100 (2)-703	0.0		
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-704	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-705	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-116	B310-IW/ (2)	B310-IW (2)-706	6.0		PVC acid nine from G16 to 116 line
1120/2010	010		2010 10 (2)	2010 111 (2) 700	0.0		
		.					
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-707	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-708	6.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-709	6.5		PVC acid pipe from G16 to J16 line.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Date	Dullullig	Alea	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-710	6.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-711	6.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-712	6.5		PVC acid pipe from G16 to J16 line.
					0.0		
7/28/2016	310	G16 116	B310 IW/ (2)	R310 IW (2) 713	65		PVC acid nine from C16 to 116 line
1120/2010	510	010-010	B310-100 (2)	D310-100 (2)-713	0.5		
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-714	6.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-715	6.5		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-716	6.5		PVC acid pipe from G16 to J16 line.
7/20/2016	210	016 116			6 5		$D_{\rm VC}$ and time from C16 to 116 line
//20/2010	310	G10-J10	B310-IVV (2)	B310-IVV (2)-717	0.5		
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-718	7.0		PVC acid pipe from G16 to J16 line.
7/28/2016	310	G16-J16	B310-IW (2)	B310-IW (2)-719	7.0		PVC acid pipe from G16 to J16 line.
9/7/2016	310	60	B310-IW (2)	B310-IW (2)-720	5.5		PVC acid drain pipe from Area 60.
9/7/2016	310	60	B310-IW (2)	B310-IW (2)-721	5.5		PVC acid drain pipe from Area 60.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Duto	Dunung	7404		oumpio #	(p. 1000)	(p	
9/7/2016	310	60	B310-IW (2)	B310-IW (2)-722	5.5		PVC acid drain pipe from Area 60.
9/7/2016	310	60	B310-IW (2)	B310-IW (2)-723	5.5		PVC acid drain pipe from Area 60.
9/7/2016	310	60	R310 IW/ (2)	R310 IW (2) 724	5 5		PV/C acid drain nine from Area 60
9/1/2010	510	00	D310-100 (Z)	B310-100 (2)-724	0.0		
9/7/2016	310	60	B310-IW (2)	B310-IW (2)-725	5.5		PVC acid drain pipe from Area 60.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-726	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-727	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-728	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-729	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-730	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-731	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-732	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-733	5.5		PVC acid drain pipe from Area 70.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Building	Aree	CIA/MILLID#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Бинанд	Area		Sample #	(ph lest)	(ph lest)	Description
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-734	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-735	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-736	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-737	5.5		PVC acid drain nine from Area 70
0/1/2010	010	10		2010 111 (2) 101	0.0		
0/7/0040	0.4.0	70					
9/7/2016	310	70	B310-IVV (2)	B310-IVV (2)-738	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-739	5.5		PVC acid drain pipe from Area 70.
9/7/2016	310	70	B310-IW (2)	B310-IW (2)-740	5.5		PVC acid drain pipe from Area 70.
0/7/2016	310	24	B310_IW/ (2)	B310-IW (2)-741	6.0		PVC acid drain nine from Area 24
3/1/2010	510	27		D310-100 (2)-741	0.0		
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-742	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-743	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-744	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-745	6.0		PVC acid drain pipe from Area 24.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroo	SVA/MILLID#	Sampla #	Hydrion ¹	colorpHast ²	Deparintion
Date	Бинанд	Area		Sample #	(ph lest)	(pri test)	Description
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-746	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-747	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-748	6.0		PVC acid drain pipe from Area 24.
					0.0		
0/7/2016	310	24	B310_IW/ (2)	B310-IW (2)-749	6.0		PVC acid drain nine from Area 24
3/1/2010	510	27	D310-100 (2)	D310-100 (2)-743	0.0		
9/7/2016	310	24	B310-IW (2)	B310-IW (2)-750	6.0		PVC acid drain pipe from Area 24.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-751	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-752	5.5		PVC acid drain pipe from Area 19.
0/7/2016	310	10	B310 IW/ (2)	R310 IW (2) 753	5 5		PVC acid drain nine from Area 19
9/1/2010	510	19	D310-100 (2)	B310-100 (2)-733	5.5		
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-754	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-755	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-756	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-757	5.5		PVC acid drain pipe from Area 19.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Δrea	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Duto	Dunung	Alu			(p11100t)	(p. 1000)	Description
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-758	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-759	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-760	5.5		PVC acid drain pipe from Area 19.
					0.0		
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-761	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	19	B310-IW (2)	B310-IW (2)-762	5.5		PVC acid drain pipe from Area 19.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-763	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW/ (2)	B310-IW (2)-764	5 5		PVC acid drain nine from Area 23
3/1/2010	510	20		D310-100 (2)-704	0.0		
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-765	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-766	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-767	5.5		PVC acid drain pipe from Area 23.
0/7/2010	210	00					$D_{\rm M}$ and drain nine from Area 22
9///2016	310	23	B310-IVV (2)	B310-IVV (2)-768	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-769	5.5		PVC acid drain pipe from Area 23.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Building	Aroa	SWMITID#	Samplo #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Date	Building	Alea		Sample #	(pri rest)	(pri rest)	Description
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-770	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-771	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-772	5.5		PVC acid drain nine from Area 23
3/1/2010	510	20	D010-100 (2)	D010-100(2)-112	0.0		
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-773	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-774	5.5		PVC acid drain pipe from Area 23.
9/7/2016	310	23	B310-IW (2)	B310-IW (2)-775	5.5		PVC acid drain pipe from Area 23.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-776	5.5		PVC acid vent pipe from Area 30.
					0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-777	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-778	5.5		PVC acid vent pipe from Area 30.
0/12/2016	310	30			5 5		PVC acid yent nine from Area 30
3/12/2010	510	50		$(2)^{-1/9}$	0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-780	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-781	5.5		PVC acid vent pipe from Area 30.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMILID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
Dute	Dunung	Alu			(p111000)	(p. 1000)	Description
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-782	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-783	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-784	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-785	5.5		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-786	6.0		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-787	6.0		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-788	6.0		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-789	6.0		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-790	6.0		PVC acid vent pipe from Area 30.
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-791	6.0		PVC acid vent pipe from Area 30.
0/12/2016	310	30		P310 IW (2) 702	5.5		PV/C acid drain pipe from Area 30
9/12/2010	510	30	D310-1VV (2)	D310-1VV (2)-792	0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-793	5.5		PVC acid drain pipe from Area 30

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
2410	Danang	7.004		Campie #	(1	(1	
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-794	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-795	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-796	55		PVC acid drain pipe from Area 30
0/12/2010	010				0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-797	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-798	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-799	5.5		PVC acid drain pipe from Area 30
0/12/2016	210	20			5 5		\mathbf{D} /C asid drain ning from Area 20
9/12/2010	310	30	B310-IVV (Z)	B310-IVV (2)-600	0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-801	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-802	5.5		PVC acid drain pipe from Area 30
					0.0		
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-803	5.5		PVC acid drain pipe from Area 30
0/40/0040	240	20					
9/12/2016	310	30	B310-IVV (2)	B310-IVV (2)-804	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-805	5.5		PVC acid drain pipe from Area 30

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dato	Building	Aroa	SWMILID#	Samplo #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Date	Bulluling	Alea	SVVIVIO ID#	Sample #	(pri rest)	(pri rest)	Description
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-806	5.5		PVC acid drain pipe from Area 30
-							
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-807	5.5		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-808	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-809	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-810	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-811	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-812	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-813	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-814	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-815	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-816	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-817	6.0		PVC acid drain pipe from Area 30

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Puilding	Aroo	SWMILID#	Somalo #	Hydrion ¹	colorpHast ²	Description
Dale	Building	Area		Sample #	(pri lest)	(pri rest)	Description
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-818	6.0		PVC acid drain pipe from Area 30
9/12/2016	310	30	B310-IW (2)	B310-IW (2)-819	6.0		PVC acid drain pipe from Area 30
0/12/2016	210	30		P310 IW (2) 820	6.0		PV/C acid drain pipe from Area 30
9/12/2010	310	- 30	D310-100 (Z)	D310-100 (2)-020	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-821	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW/ (2)	B310-IW (2)-822	55		PVC acid drain nine from Areas 29/36/33
5/14/2010	010	20/00/00		D310-100 (2)-022	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-823	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW/ (2)	B310-IW (2)-824	55		PVC acid drain nine from Areas 29/36/33
0/14/2010	010	20/00/00	0010111 (2)		0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-825	5.5		PVC acid drain pipe from Areas 29/36/33
0/14/2016	310	20/36/33	B310-IW/ (2)	B310-IW (2)-826	5 5		PVC acid drain nine from Areas 20/36/33
5/14/2010	010	20/00/00		2010-100 (2)-020	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-827	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-828	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-829	5.5		PVC acid drain pipe from Areas 29/36/33

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Dete	Duilding	A	C)4/8411 1D#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area		Sample #	(pri rest)	(pri rest)	Description
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-830	55		PVC acid drain pipe from Areas 29/36/33
					0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-831	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-832	55		PVC acid drain nine from Areas 29/36/33
0/11/2010	010	20/00/00			0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-833	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-834	55		PVC acid drain nine from Areas 29/36/33
0/11/2010	010	20/00/00	2010111(2)	2010 111 (2) 001	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-835	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-836	55		PVC acid drain nine from Areas 29/36/33
0/14/2010	010	20/00/00	2010 111 (2)	2010 111 (2) 000	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-837	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-838	55		PVC acid drain nine from Areas 29/36/33
0/11/2010	010	20/00/00		2010 111 (2) 000	0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-839	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-840	55		PVC acid drain pipe from Areas 29/36/33
0.11.2010	0.0	20,00,00			0.0		
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-841	5.5		PVC acid drain pipe from Areas 29/36/33

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

Data	Puilding	Aroo	SWMILID#	Sampla #	Hydrion ¹	colorpHast ²	Description
Date	Бинану	Area		Sample #	(ph test)	(ph test)	Description
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-842	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-843	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-844	5.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-845	6.5		PVC acid drain pipe from Areas 29/36/33
9/14/2016	310	29/36/33	B310-IW (2)	B310-IW (2)-846	7.0		PVC acid drain pipe from Areas 29/36/33
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-1	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-2	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-3	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-4	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-5	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-6	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-7	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-8	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-9	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-10	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-11	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-12	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-13	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-14	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-15	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-16	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-17	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-18	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-19	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-20	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-21	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-22	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-23	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-24	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-25	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-26	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-27	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-28	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-29	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-30	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-31	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

			0.4/1411.15 //	o	Hydrion ¹	colorpHast ²	-
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-32	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-33	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-34	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-35	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-36	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-37	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-38	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-39	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-40	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-41	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-42	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-43	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-44	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-45	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-46	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-47	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-48	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-49	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-50	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-51	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-52	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-53	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-54	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-55	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-56	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-57	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-58	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-59	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-60	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-61	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-62	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-63	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-64	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-65	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-66	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-67	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

			0.47411.15.4		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-68	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-69	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-70	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-71	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-72	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-73	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-74	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-75	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-76	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-77	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-78	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-79	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-80	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-81	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-82	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-83	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-84	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-85	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-86	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-87	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-88	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-89	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-90	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-91	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-92	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-93	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-94	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-95	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-96	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-97	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-98	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-99	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
2/24/2016	310	310	B310-SO(2)	B310-SO(2)-100	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-101	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-102	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-103	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-104	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-105	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-106	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-107	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-108	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-109	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-110	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-111	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-112	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-113	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-114	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-115	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-116	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-117	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-118	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-119	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-120	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-121	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-122	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-123	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-124	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-125	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-126	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-127	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-128	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-129	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-130	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-131	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-132	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-133	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-134	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-135	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-136	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-137	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-138	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-139	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-140	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-141	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-142	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-143	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-144	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-145	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-146	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-147	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-148	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-149	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-150	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-151	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-152	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-153	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-154	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-155	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-156	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-157	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-158	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-159	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-160	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-161	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-162	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-163	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-164	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-165	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-166	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-167	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-168	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-169	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/9/2016	310	310	B310-SO(2)	B310-SO(2)-170	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-171	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-172	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-173	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-174	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-175	6.0		Solvent Pipe above the ceiling between columns M14 to J12.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-176	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-177	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-178	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-179	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-180	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-181	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-182	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-183	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-184	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-185	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-186	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-187	6.0		Solvent Pipe above the ceiling between columns M14 to J12.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		-			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-188	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-189	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-190	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-191	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/10/2016	310	310	B310-SO(2)	B310-SO(2)-192	6.0		Solvent Pipe above the ceiling between columns M14 to J12.
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-193	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-194	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-195	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-196	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-197	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-198	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-199	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-200	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-201	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-202	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-203	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-204	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-205	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-206	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-207	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-208	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-209	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-210	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-211	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-212	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-213	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-214	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-215	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-216	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-217	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-218	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-219	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-220	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-221	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-222	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-223	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-224	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-225	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-226	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-227	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-228	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-229	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-230	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-231	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
3/31/2016	310	310	B310-SO(2)	B310-SO(2)-232	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-233	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-234	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-235	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-236	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-237	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-238	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-239	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-240	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-241	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-242	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-243	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-244	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-245	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-246	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-247	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
9/16/2016

		-			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-248	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-249	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-250	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-251	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-252	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-253	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-254	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-255	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-256	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-257	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-258	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-259	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-260	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-261	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-262	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-263	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-264	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-265	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-266	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-267	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-268	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-269	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-270	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-271	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
4/4/2016	310	310	B310-SO(2)	B310-SO(2)-272	6.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-273	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-274	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-275	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-276	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-277	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-278	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-279	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-280	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-281	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-282	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-283	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-284	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-285	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-286	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-287	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-288	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-289	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-290	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-291	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-292	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-293	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-294	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-295	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-296	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-297	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-298	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-299	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-300	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-301	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-302	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-303	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-304	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-305	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-306	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-307	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-308	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-309	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-310	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-311	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-312	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-313	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-314	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-315	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-316	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-317	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-318	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-319	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-320	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-321	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-322	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-323	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-324	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-325	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-326	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-327	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-328	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-329	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-330	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-331	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

_		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-332	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-333	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-334	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-335	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-336	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-337	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-338	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-339	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-340	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-341	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-342	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-343	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-344	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-345	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-346	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-347	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-348	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-349	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-350	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-351	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-352	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-353	5.0		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-354	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-355	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-356	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-357	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-358	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-359	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-360	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-361	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-362	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-363	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-364	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-365	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-366	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-367	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-368	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-369	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-370	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-371	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-372	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-373	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-374	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-375	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-376	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-377	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-378	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-379	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

		_			Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-380	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-381	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-382	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-383	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-384	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-385	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-386	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-387	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-388	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-389	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-390	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-391	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

9/16/2016

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-392	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-393	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-394	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-395	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-396	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-397	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
5/5/2016	310	310	B310-SO(2)	B310-SO(2)-398	5.5		Solvent pipe removed from above ceiling in B310 cleaned by Techtron
Total Was	stewater Pipe Total FL Pipe Total IW Pipe	e Samples e Samples e Samples	1805 561 846	Maximum pH Maximum pH Maximum pH	7.0 7.0 7.0	Minimum pH Minimum pH Minimum pH	5.0 5.0 5.0
I	otal SO Pipe	e Samples	398	iviaximum pH	6.0	iviinimum pH	5.0

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 19 Building 310 Area 52 SWMU Component Verification Data DCAP EOL ARO Project

_		_	014/14/15/		Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/22/2016	310	52	B/310 LS IW	ACID#61-1	5.5		Inside bottom of lift tank to Acid #61 lift pump at column F14
2/22/2016	210	50	R/2101 S IW/		5.5		Inside bottom of catch pan to Acid #61 lift pump at column
2/22/2010	310	52	D/310 L31W	ACID#01-2	5.5		
2/22/2016	310	52	B/310 LS IW	ACID#61-3	5.5		Top of lift tank to Acid #61 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#61-4	5.5		Inside pipe coming off of lift tank to Acid #61 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#61-5	5.5		column F14
2/22/2016	310	52	B/310 LS IW	ACID#61-6	5.5		Inside pipe coming off of lift tank to Acid #61 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#61-7	5.5		Inside pipe coming off of lift tank to Acid #61 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#61-8	5.5		Inside pipe coming off of lift tank to Acid #61 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-1	5.5		Inside bottom of lift tank to Acid #59 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-2	5.5		Inside bottom of catch pan to Acid #59 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-3	5.5		Top of lift tank to Acid #59 lift pump at column F14

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 19 Building 310 Area 52 SWMU Component Verification Data DCAP EOL ARO Project

					Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/22/2016	310	52	B/310 S IW/		5 5		Inside pipe coming off of lift tank to Acid #59 lift pump at
2/22/2010	510	52	D/310 L31W	ACID#39-4	5.5		
2/22/2016	310	52	B/310 LS IW	ACID#59-5	5.5		Inside pipe coming off of lift tank to Acid #59 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-6	5.5		Inside pipe coming off of lift tank to Acid #59 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-7	5.5		Inside pipe coming off of lift tank to Acid #59 lift pump at column F14
2/22/2016	310	52	B/310 LS IW	ACID#59-8	5.5		Inside pipe coming off of lift tank to Acid #59 lift pump at column F14
Tota	al Number of	Samples	16	Maximum pH	5.5	Minimum pH	I 5.5

Total Number of Samples

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 20 Building 310 Area 18 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
2/22/2016	310	18	B/310 I S IW/		6.0		Inside bottom of lift tank to Acid #97 lift pump between
2/22/2010	510	10	B/310 L3 1W	ACID#97-1	0.0		
							Inside bottom of catch pan to Acid #97 lift pump between
2/22/2016	310	18	B/310 LS IW	ACID#97-2	6.0		columns P8 and P9.
2/22/2016	310	18	B/310 LS IW	ACID#97-3	6.0		and P9
LILLILOIO	010	10	Dio to Lo tiv		0.0		
							Inside drain pipe coming off of lift tank to Acid #97 lift pump
2/22/2016	310	18	B/310 LS IW	ACID#97-4	6.0		between columns P8 and P9.
							Inside drain nine coming off of lift tank to Apid #07 lift nump
2/22/2016	310	18	B/310 LS IW	ACID#97-5	6.0		between columns P8 and P9.
							Inside drain pipe coming off of lift tank to Acid #97 lift pump
2/22/2016	310	18	B/310 LS IW	ACID#97-6	6.0		between columns P8 and P9.
							Inside drain nine coming off of lift tank to Acid #97 lift num
2/22/2016	310	18	B/310 LS IW	ACID#97-7	6.0		between columns P8 and P9.
0,00,00,40	0.1.0	10					Inside drain pipe coming off of lift tank to Acid #97 lift pump
2/22/2016	310	18	B/310 LS IW	ACID#97-8	6.0		between columns P8 and P9.
							Inside vent pipe coming off of lift tank to Acid #97 lift pump
2/22/2016	310	18	B/310 LS IW	ACID#97-9	5.5		between columns P8 and P9.
2/22/2016	210	10			5 5		Inside vent pipe coming off of lift tank to Acid #97 lift pump
2/22/2010	310	١ŏ	D/310 LS 100	AUID#97-10	5.5		Detween columns P8 and P9.
Tota	I Number of	Samples	10	Maximum pH	6.0	Minimum pH	5.5

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 21 Building 310 Area 57 SWMU Component Verification Data DCAP EOL ARO Project

Data	Puilding	Aroo	SWMU ID#	Sampla #	Hydrion ¹ (pH Test)	colorpHast ²	Description
Date	Бинану	Area	SVVIVIO ID#	Sample #	(pri resi)	(pri resi)	Description
2/24/2016	310	57	B/310 LS IW	ECOL#2376-1	6.0		Inside pump tank of acid lift tank ECOL #2376 at column G17.
2/24/2016	310	57	B/310 LS IW	ECOL#2376-2	5.5		Inside vent pipe to acid lift tank ECOL #2376 at column G17.
2/24/2016	310	57	B/310 LS IW	ECOL#2376-3	6.0		Inside drain pipe to acid lift tank ECOL #2376 at column G17.
2/24/2016	310	57	B/310 LS IW	ECOL#2376-4	6.0		Inside drain pipe to acid lift tank ECOL #2376 at column G17.
2/24/2016	310	57	B/310 LS IW	ECOL#2263-1	6.0		Inside pump tank of acid lift tank ECOL #2263 at column F17.
2/24/2016	310	57	B/310 LS IW	ECOL#2263-2	5.5		Inside vent pipe to acid lift tank ECOL #2263 at column F17.
2/24/2016	310	57	B/310 LS IW	ECOL#2263-3	5.5		Inside drain pipe to acid lift tank ECOL #2263 at column F17.
2/24/2016	310	57	B/310 LS IW	ECOL#2263-4	6.0		Inside drain pipe to acid lift tank ECOL #2263 at column F17.
2/24/2016	310	57	B/310 LS IW	ECOL#2263-5	6.0		Inside drain pipe to acid lift tank ECOL #2263 at column F17.
Tota	I Number of	Samples	9	Maximum pH	6.0	Minimum pH	5.5

Total Number of Samples

Maximum pH

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 22 Building 310 Area 49 SWMU Component Verification Data DCAP EOL ARO Project

		_	000000	• • •	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWMU ID#	Sample #	(pH Test)	(pH Test)	Description
2/24/2016	310	49	B/310 LS IW	ACID#12-1	6.0		Inside bottom of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-2	7.0		Inside bottom of catch pan to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-3	6.0		Top of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-4	6.0		Inside vent pipe coming off of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-5	6.0		Inside drain pipe coming off of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-6	6.0		Inside drain pipe coming off of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-7	6.0		Inside drain pipe coming off of lift tank to Acid #12 lift pump at column E13.
2/24/2016	310	49	B/310 LS IW	ACID#12-8	6.5		Inside drain pipe coming off of lift tank to Acid #12 lift pump at column E13.
Tota	I Number of	Samples	8	Maximum pH	7.0	Minimum pH	6.0

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 23 Building 310 Area 23 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
	ŭ			•			·
2/24/2016	310	23	B/310 LS IW	ACID#73-1	5.5		Inside bottom of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-2	5.5		Inside bottom of catch pan to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-3	5.5		Top of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-4	5.5		Inside vent pipe coming off of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-5	5.5		Inside vent pipe coming off of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-6	5.5		Inside drain pipe coming off of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-7	5.5		Inside drain pipe coming off of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-8	5.5		Inside drain pipe coming off of lift tank to Acid #73 lift pump at column M6.
2/24/2016	310	23	B/310 LS IW	ACID#73-9	5.5		Inside drain pipe coming off of lift tank to Acid #73 lift pump at column M6.
Tota	I Number of	Samples	9	Maximum pH	5.5	Minimum pH	5.5

Total Number of Samples

Maximum pH

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 24 Building 310 Area 24 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
	ŭ			•			•
2/24/2016	310	21	B/310 LS IW	ACID#2-1	6.0		Inside bottom of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-2	5.5		Inside bottom of catch pan to Acid #2 lift pump at column P6.
2/24/2016	210	21	R/2101 S IW/		5.5		Top of lift tank to Acid #2 lift nump at column P6
2/24/2010	310	21	D/310 L310	ACID#2-3	5.5		
2/24/2016	310	21	B/310 LS IW	ACID#2-4	5.5		Inside vent pipe coming off of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-5	5.5		Inside vent pipe coming off of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-6	5.5		Inside drain pipe coming off of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-7	5.5		Inside drain pipe coming off of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-8	5.5		Inside drain pipe coming off of lift tank to Acid #2 lift pump at column P6.
2/24/2016	310	21	B/310 LS IW	ACID#2-9	5.5		Inside drain pipe coming off of lift tank to Acid #2 lift pump at column P6.
Tota	I Number of	Samples	9	Maximum pH	6.0	Minimum pH	5.5

Total Number of Samples

Maximum pH

Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
					•		
5/5/2016	14:59, 15:00	2	310	B310-SO(2)	B310-SO(2)-CAM-1	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/12/2016	15:34	3	310	B310-SO(2)	B310-SO(2)-CAM-2	Passed	Passed inspection after being re-cleaned by Techtron. 3 in. ID outer steel solvent containment pipe
5/5/2016	15:37, 15:40	2	310	B310-SO(2)	B310-SO(2)-CAM-3	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/6/2016	10:13	2	310	B310-SO(2)	B310-SO(2)-CAM-4	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:14, 10:15	5	310	B310-SO(2)	B310-SO(2)-CAM-5	Failed	3 in. ID outer steel solvent containment pipe, with black shinny staining.
5/6/2016	10:17	3	310	B310-SO(2)	B310-SO(2)-CAM-6	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:19	3	310	B310-SO(2)	B310-SO(2)-CAM-7	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:21, 10:22	3	310	B310-SO(2)	B310-SO(2)-CAM-8	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:23	3	310	B310-SO(2)	B310-SO(2)-CAM-9	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:25	3	310	B310-SO(2)	B310-SO(2)-CAM-10	Passed	3 in. ID outer steel solvent containment pipe, with rusty scale.
5/6/2016	10:26	2	310	B310-SO(2)	B310-SO(2)-CAM-11	Passed	3 in. ID outer steel solvent containment pipe

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
2000							
5/6/2016	10:32	2	310	B310-SO(2)	B310-SO(2)-CAM-12	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:33	2	310	B310-SO(2)	B310-SO(2)-CAM-13	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	10:34	2	310	B310-SO(2)	B310-SO(2)-CAM-14	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	11:43	2	310	B310-SO(2)	B310-SO(2)-CAM-15	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	11.11	2	210	B210 SO(2)	D210 CO(2) CAM 16	Depend	2 in ID outer steel solvent containment nine
5/0/2010	11.44	2	310	<u>БЗТО-SO(2)</u>	B310-30(2)-CAIVI-10	Passeu	
5/6/2016	11:46	2	310	B310-SO(2)	B310-SO(2)-CAM-17	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	11.47	2	310	B310-SO(2)	B310-SO(2)-CAM-18	Passed	3 in ID outer steel solvent containment nine
5/0/2010	11.47	2	510	D310-00(2)	B310-00(2)-0AW-10	1 83500	
5/6/2016	11:48	2	310	B310-SO(2)	B310-SO(2)-CAM-19	Passed	3 in. ID outer steel solvent containment pipe
							Desced inspection offer being to alconed by Techtron 2 in
5/12/2016	15:38	3	310	B310-SO(2)	B310-SO(2)-CAM-20	Passed	ID outer steel solvent containment pipe.
0			0.0				
5/6/2016	11:51	2	310	B310-SO(2)	B310-SO(2)-CAM-21	Passed	3 in. ID outer steel solvent containment pipe
							3 in ID outer steel solvent containment nine, with scale and
5/6/2016	11:52	2	310	B310-SO(2)	B310-SO(2)-CAM-22	Passed	mineral build up.

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	-	# of		014/4411 10#	0	Inspection	Description
Date	lime	Photos	Building	SWMU ID#	Sample #	Pass/Fall	Description
5/6/2016	11:53	2	310	B310-SO(2)	B310-SO(2)-CAM-23	Passed	3 in. ID outer steel solvent containment pipe, with rusty scale.
5/6/2016	11:54	2	310	B310-SO(2)	B310-SO(2)-CAM-24	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	15:14	3	310	B310-SO(2)	B310-SO(2)-CAM-25	Passed	Passed inspection after being re-cleaned by Techtron. 3 in. ID outer steel solvent containment pipe.
5/6/2016	11:56	2	310	B310-SO(2)	B310-SO(2)-CAM-26	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	11:57	2	310	B310-SO(2)	B310-SO(2)-CAM-27	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:28, 12:29	2	310	B310-SO(2)	B310-SO(2)-CAM-28	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:30	2	310	B310-SO(2)	B310-SO(2)-CAM-29	Passed	3 in. ID outer steel solvent containment pipe, with rusty scale.
E/6/2016	10.21	2	310	P210 SO(2)	P210 SO(2) CAM 20	Decod	2 in ID outer steel solvent containment nine
5/0/2010	12.31	2	310	Б310-SO(2)	B310-30(2)-CAIVI-30	Passeu	
5/6/2016	12:33	3	310	B310-SO(2)	B310-SO(2)-CAM-31	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/6/2016	12:34	2	310	B310-SO(2)	B310-SO(2)-CAM-32	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/6/2016	12:35	2	310	B310-SO(2)	B310-SO(2)-CAM-33	Passed	3 in. ID outer steel solvent containment pipe

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
			0		•		•
5/6/2016	12:41	1	310	B310-SO(2)	B310-SO(2)-CAM-34	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:41, 12:42	3	310	B310-SO(2)	B310-SO(2)-CAM-35	Failed	3 in. ID outer steel solvent containment pipe, with shinny staining material.
5/6/2016	12:43	2	310	B310-SO(2)	B310-SO(2)-CAM-36	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	15:13	3	310	B310-SO(2)	B310-SO(2)-CAM-37	Passed	Passed inspection after being re-cleaned by Techtron. 3 in. ID reduced to 2 in. ID outer steel solvent containment pipe.
5/6/2016	12:47	3	310	B310-SO(2)	B310-SO(2)-CAM-38	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:49	2	310	B310-SO(2)	B310-SO(2)-CAM-39	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:50	1	310	B310-SO(2)	B310-SO(2)-CAM-40	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:51	2	310	B310-SO(2)	B310-SO(2)-CAM-41	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:51	2	310	B310-SO(2)	B310-SO(2)-CAM-42	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:52	2	310	B310-SO(2)	B310-SO(2)-CAM-43	Passed	3 in. ID outer steel solvent containment pipe
5/6/2016	12:53	2	310	B310-SO(2)	B310-SO(2)-CAM-44	Passed	3 in. ID outer steel solvent containment pipe

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
5/12/2016	13:47	2	310	B310-SO(2)	B310-SO(2)-CAM-45	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	13:49	2	310	B310-SO(2)	B310-SO(2)-CAM-46	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	13:50	2	310	B310-SO(2)	B310-SO(2)-CAM-47	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	13:51	2	310	B310-SO(2)	B310-SO(2)-CAM-48	Failed	1 3/4 in. ID steel solvent waste pipe (Video)
5/12/2016	13:53	2	310	B310-SO(2)	B310-SO(2)-CAM-49	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	13:54	2	310	B310-SO(2)	B310-SO(2)-CAM-50	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	13:55	2	310	B310-SO(2)	B310-SO(2)-CAM-51	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	13:56	2	310	B310-SO(2)	B310-SO(2)-CAM-52	Failed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	13:57	2	310	B310-SO(2)	B310-SO(2)-CAM-53	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:00	2	310	B310-SO(2)	B310-SO(2)-CAM-54	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:01	2	310	B310-SO(2)	B310-SO(2)-CAM-55	Passed	3 in. ID outer steel solvent containment pipe

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Timo	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
Date	THIE	1 110103	Dunung			1 435/1 41	Description
5/12/2016	14:02	2	310	B310-SO(2)	B310-SO(2)-CAM-56	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/12/2016	14:04	2	310	B310-SO(2)	B310-SO(2)-CAM-57	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:05	3	310	B310-SO(2)	B310-SO(2)-CAM-58	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	14·06	2	310	B310-SO(2)	B310-SO(2)-CAM-59	Passed	1.3/4 in ID inner stainless steel solvent waste nine
0,12,2010	11.00	_	010	2010 00(2)	2010 00(2) 0/ 11/ 00	1 00000	
5/12/2016	14:07	2	310	B310-SO(2)	B310-SO(2)-CAM-60	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:08	2	310	B310-SO(2)	B310-SO(2)-CAM-61	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	14:09	3	310	B310-SO(2)	B310-SO(2)-CAM-62	Failed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14.10	2	310	B310-SO(2)	B310-SO(2)-CAM-63	Passed	3 in ID outer steel solvent containment pipe
0/12/2010	1110	-	010	2010 00(2)	Borro 66(2) 6/ 10/ 60	1 40004	
5/12/2016	14:11	3	310	B310-SO(2)	B310-SO(2)-CAM-64	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:12	3	310	B310-SO(2)	B310-SO(2)-CAM-65	Failed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	14:13	3	310	B310-SO(2)	B310-SO(2)-CAM-66	Passed	3 in. ID outer steel solvent containment pipe

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
5/12/2016	14:14 14:15	3	310	B310-SO(2)	B310-SO(2)-CAM-67	Passed	3 in. ID outer steel solvent containment pipe
		-					
5/10/2016	15:07	2	210		B310 50(2) CAM 69	Tailed	3 in. ID outer steel solvent containment pipe with valve
5/12/2010	15.06	2	310	B310-SU(Z)	B310-30(2)-CAIVI-00	Falled	
5/12/2016	15:09	2	310	B310-SO(2)	B310-SO(2)-CAM-69	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15:11	2	310	B310-SO(2)	B310-SO(2)-CAM-70	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	15:15	3	310	B310-SO(2)	B310-SO(2)-CAM-71	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15.22	2	310	B310-SO(2)	B310-SO(2)-CAM-72	Passed	1.3/4 in ID steel solvent waste nine
0,12,2010	10.22	_	010	2010 00(2)		1 00000	
5/40/0040	15:22	2	240	D240.00(0)	D040 00/0) 04M 70	Deserd	4 2/4 in JD start schurt weste ning
5/12/2016	15:23	3	310	B310-SO(2)	B310-SO(2)-CAM-73	Passed	1 3/4 In. ID steel solvent waste pipe
5/12/2016	15:24	3	310	B310-SO(2)	B310-SO(2)-CAM-74	Failed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15:25	3	310	B310-SO(2)	B310-SO(2)-CAM-75	Passed	3 in. ID outer steel solvent containment pipe
5/12/2016	15:26	3	310	B310-SO(2)	B310-SO(2)-CAM-76	Passed	3 in. ID outer steel solvent containment pipe
		_		· \-/	()		
5/12/2016	15:27	3	310	B310-SO(2)	B310-SO(2)-CAM-77	Failed	1 3/4 in. ID steel solvent waste pipe

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Data	Timo	# of	Puilding	SWMU ID#	Samala #	Inspection	Description
Date	Time	FIIOLOS	Building		Sample #	F 435/1 all	Description
5/12/2016	15:32	3	310	B310-SO(2)	B310-SO(2)-CAM-78	Failed	1 3/4 in. ID steel solvent waste pipe with flange at end.
E/10/2016	15.11	2	210	D210 CO(2)	D210 CO(2) CAM 70	Failed	1.2/4 in ID steel askent waste ning
5/12/2010	10.41	3	310	B310-30(2)	B310-30(2)-CAIVI-79	Falleu	1 3/4 III. ID steel solvent waste pipe
5/12/2016	15:46	3	310	B310-SO(2)	B310-SO(2)-CAM-80	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15.47	з	310	B310-SO(2)	B310-SO(2)-CAM-81	Failed	1.3// in ID steel solvent waste nine
5/12/2010	10.47	0	510	D310-00(2)	D310-00(2)-0AW-01	T alled	
5/12/2016	15:48	3	310	B310-SO(2)	B310-SO(2)-CAM-82	Failed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15.49	3	310	B310-SO(2)	B310-SO(2)-CAM-83	Failed	1.3/4 in ID steel solvent waste nine
0/12/2010	10.40	0	010	0010 00(2)	D010 00(2) 0/ (W 00	1 diled	
							3 in. ID outer steel solvent containment pipe, with rusty
5/12/2016	15:50	2	310	B310-SO(2)	B310-SO(2)-CAM-84	Passed	scale.
5/12/2016	15:51	4	310	B310-SO(2)	B310-SO(2)-CAM-85	Failed	1 3/4 in. ID steel solvent waste pipe
0.12.2010			0.0				
	15:54						
5/12/2016	15:55	3	310	B310-SO(2)	B310-SO(2)-CAM-86	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	15:56	3	310	B310-SO(2)	B310-SO(2)-CAM-87	Passed	1 3/4 in. ID steel solvent waste pipe, with rustv scale.
			0.0	(L)			
							1 3/4 in. ID steel solvent waste pipe with flange at end.
5/12/2016	15:58	3	310	B310-SO(2)	B310-SO(2)-CAM-88	Passed	Rusty scale observed inside.

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Timo	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
Date	TIME	1 110103	Dunung		Odnipie #	1 433/1 411	Description
5/12/2016	16:00	3	310	B310-SO(2)	B310-SO(2)-CAM-89	Passed	1 3/4 in. ID steel solvent waste pipe with slight build up of rusty scale and mineral deposit.
				· · · ·			
5/12/2016	16:01	3	310	B310-SO(2)	B310-SO(2)-CAM-90	Passed	1 3/4 in. ID steel solvent waste pipe
5/12/2016	16:02 16:03	3	310	B310-SO(2)	B310-SO(2)-CAM-91	Failed	1.3/4 in, ID steel solvent waste pipe with flange in middle.
0.12.20.0			0.0	2010 00(2)			
5/16/2016	9:32	2	310	B310-SO(2)	B310-SO(2)-CAM-92	Passed	1 3/4 in. ID steel solvent waste pipe with 90 degree angle with flange at end.
					(/		
5/16/2016	9:34	3	310	B310-SO(2)	B310-SO(2)-CAM-93	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	9:35	2	310	B310-SO(2)	B310-SO(2)-CAM-94	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	9:36 9:37	3	310	B310-SO(2)	B310-SO(2)-CAM-95	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	9:38	2	310	B310-SO(2)	B310-SO(2)-CAM-96	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	9:39	3	310	B310-SO(2)	B310-SO(2)-CAM-97	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	9:40	3	310	B310-SO(2)	B310-SO(2)-CAM-98	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	9:41	4	310	B310-SO(2)	B310-SO(2)-CAM-99	Passed	3 in. ID outer steel solvent containment pipe

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
5/16/2016	9:43	3	310	B310-SO(2)	B310-SO(2)-CAM-100	Failed	1 3/4 in. ID steel solvent waste pipe with black shinny residue.
5/16/2016	9:45	3	310	B310-SO(2)	B310-SO(2)-CAM-101	Passed	3 in. ID outer steel solvent containment pipe with rusty scale.
5/16/2016	9:46	3	310	B310-SO(2)	B310-SO(2)-CAM-102	Failed	3 in. ID outer steel solvent containment pipe, with black residual build up.
5/16/2016	9:48	3	310	B310-SO(2)	B310-SO(2)-CAM-103	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	9:49	3	310	B310-SO(2)	B310-SO(2)-CAM-104	Failed	1 3/4 in. ID steel solvent waste pipe with flange at end that has black shinny residue build up.
5/16/2016	9:50	3	310	B310-SO(2)	B310-SO(2)-CAM-105	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	9:51 9:52	3	310	B310-SO(2)	B310-SO(2)-CAM-106	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	9:54 9:55	3	310	B310-SO(2)	B310-SO(2)-CAM-107	Failed	1 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	9:57	4	310	B310-SO(2)	B310-SO(2)-CAM-108	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	9:58	3	310	B310-SO(2)	B310-SO(2)-CAM-109	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	10:02	3	310	B310-SO(2)	B310-SO(2)-CAM-110	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
5/16/2016	10:03	2	310	B310-SO(2)	B310-SO(2)-CAM-111	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	10:04	2	310	B310-SO(2)	B310-SO(2)-CAM-112	Failed	1 3/4 in. ID steel solvent waste pipe with excessive residual build up.
5/16/2016	10:05	3	310	B310-SO(2)	B310-SO(2)-CAM-113	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	10:09	2	310	B310-SO(2)	B310-SO(2)-CAM-114	Passed	3 in. ID outer steel solvent containment pipe with rusty scale.
5/16/2016	10:10 10:11	3	310	B310-SO(2)	B310-SO(2)-CAM-115	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:12	2	310	B310-SO(2)	B310-SO(2)-CAM-116	Passed	3 in. ID outer steel solvent containment pipe with rusty scale.
5/16/2016	10:13	3	310	B310-SO(2)	B310-SO(2)-CAM-117	Passed	1 3/4 in. ID steel solvent waste pipe with flange in the middle that has rusty scale and mineral deposit.
5/16/2016	10:15	3	310	B310-SO(2)	B310-SO(2)-CAM-118	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:16	3	310	B310-SO(2)	B310-SO(2)-CAM-119	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:18	3	310	B310-SO(2)	B310-SO(2)-CAM-120	Passed	3 in. ID outer steel solvent containment pipe.
5/16/2016	10:19	3	310	B310-SO(2)	B310-SO(2)-CAM-121	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
5/16/2016	10:19	3	310	B310-SO(2)	B310-SO(2)-CAM-122	Failed	1 3/4 in. ID steel solvent waste pipe with rusty scale and black residual build up.
5/16/2016	10::25	3	310	B310-SO(2)	B310-SO(2)-CAM-123	Passed	3 in. ID outer steel solvent containment pipe.
5/16/2016	10:25 10:26	2	310	B310-SO(2)	B310-SO(2)-CAM-124	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	10:26	2	310	B310-SO(2)	B310-SO(2)-CAM-125	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	10:27 10:28	2	310	B310-SO(2)	B310-SO(2)-CAM-126	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:32	3	310	B310-SO(2)	B310-SO(2)-CAM-127	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:32 10:33	4	310	B310-SO(2)	B310-SO(2)-CAM-128	Failed	1 3/4 in. ID steel solvent waste pipe with rusty scale and black residual build up.
5/16/2016	10:35	4	310	B310-SO(2)	B310-SO(2)-CAM-129	Passed	1 3/4 in. ID steel solvent waste pipe with flange in the middle that has rusty scale and mineral deposit.
5/16/2016	10:37	3	310	B310-SO(2)	B310-SO(2)-CAM-130	Passed	1 3/4 in. ID steel solvent waste pipe with open flange at end.
5/16/2016	10:38	3	310	B310-SO(2)	B310-SO(2)-CAM-131	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.
5/16/2016	10:39	3	310	B310-SO(2)	B310-SO(2)-CAM-132	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

		# of				Inspection	
Date	Time	Photos	Building	SWMU ID#	Sample #	Pass/Fail	Description
5/16/2016	10:40	3	310	B310-SO(2)	B310-SO(2)-CAM-133	Failed	1 3/4 in. ID steel solvent waste pipe with residual build up.
5/16/2016	10:41	3	310	B310-SO(2)	B310-SO(2)-CAM-134	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	10:43	2	310	B310-SO(2)	B310-SO(2)-CAM-135	Passed	1 3/4 in. ID steel solvent waste flange connection.
5/16/2016	10:44	2	310	B310-SO(2)	B310-SO(2)-CAM-136	Passed	1 3/4 in. ID stainless steel solvent waste pipe T shaped with one closed end.
5/16/2016	10:45	2	310	B310-SO(2)	B310-SO(2)-CAM-137	Failed	1 3/4 in. ID steel solvent waste pipe with flange that has a 90 degree turn with residual build up.
5/16/2016	10:47	2	310	B310-SO(2)	B310-SO(2)-CAM-138	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	10:48	2	310	B310-SO(2)	B310-SO(2)-CAM-139	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	10:49	2	310	B310-SO(2)	B310-SO(2)-CAM-140	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	10:50 10:51	2	310	B310-SO(2)	B310-SO(2)-CAM-141	Passed	1 3/4 in. ID steel solvent waste pipe with 90 degree angle.
5/16/2016	11:01	2	310	B310-SO(2)	B310-SO(2)-CAM-142	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	11:02 11:03	4	310	B310-SO(2)	B310-SO(2)-CAM-143	Failed	1 3/4 in. ID steel solvent waste pipe with flange and angles that has rusty scale and black residue.

1 - HYDRION pH test strips with range from 5.0 to 9.0

Date	Time	# of Photos	Building	SWMU ID#	Sample #	Inspection Pass/Fail	Description
					-		· · · · · · · · · · · · · · · · · · ·
	11:04						
5/16/2016	11:05	3	310	B310-SO(2)	B310-SO(2)-CAM-144	Passed	1 3/4 in. ID steel solvent waste pipe
5/16/2016	11:05 11:06	3	310	B310-SO(2)	B310-SO(2)-CAM-145	Failed	1 3/4 in. ID steel solvent waste flange connection with residual build up.
5/16/2016	11:06	2	310	B310-SO(2)	B310-SO(2)-CAM-146	Passed	1 3/4 in. ID inner stainless steel solvent waste pipe
5/16/2016	12:07	2	310	B310-SO(2)	B310-SO(2)-CAM-147	Failed	1 3/4 in. ID steel solvent waste pipe with black shinny residue.
5/16/2016	12:09	2	310	B310-SO(2)	B310-SO(2)-CAM-148	Failed	1 3/4 in. ID steel solvent waste pipe with black residue build up.
5/16/2016	12:10	2	310	B310-SO(2)	B310-SO(2)-CAM-149	Passed	1 3/4 in. ID steel solvent waste pipe with rusty scale.

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 27 Building 310 Area 66 SWMU Component Verification Data DCAP EOL ARO Project

			000/001110#	0 1 4	Hydrion ¹	colorpHast ²	
Date	Building	Area	SWWU ID#	Sample #	(pH Test)	(pH Test)	Description
7/19/2016	310	66	B/310 LS IW	ECOL#2468-1	5.5		Inside poly tank to ECOL #2468 lift pump at column C21.
							Inside of pipe coming out of poly tank to ECOL #2468 lift
7/19/2016	310	66	B/310 LS IW	ECOL#2468-2	5.5		pump at column C21.
							Inside of nine coming out of poly tank to ECOL #2468 lift
7/10/2016	310	66	B/3101SIW		55		nump at column C21
1/13/2010	510	00	D/310 L31W	LUUL#2400-3	5.5	1	

5.5

Total Number of Samples 3

Maximum pH

Minimum pH

5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 28 Building 310 Area 56 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
7/19/2016	310	56	B/310 LS IW	ECOL#2377-1	6.0		Inside tank to ECOL #2377 lift pump at column H17.
7/19/2016	310	56	B/310 LS IW	ECOL#2377-2	6.0		Inside of pipe coming out of tank to ECOL #2377 lift pump at column H17.
7/19/2016	310	56	B/310 LS IW	ECOL#2377-3	6.0		Inside of pipe coming out of tank to ECOL #2377 lift pump at column H17.

6.0

Total Number of Samples3Maximum pH6.0Minimum pH

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0
Table 29 Building 310 Area 72 SWMU Component Verification Data DCAP EOL ARO Project

Date	Building	Area	SWMU ID#	Sample #	Hydrion ¹ (pH Test)	colorpHast ² (pH Test)	Description
				-			· · · · · ·
							Inside of pipe coming out of tank to ECOL #2477 lift pump at
7/19/2016	310	72	B/310 LS IW	ECOL#2477-1	5.5		column E25.
							Inside of pipe coming out of tank to ECOL #2477 lift pump at
7/19/2016	310	72	B/310 LS IW	ECOL#2477-2	5.5		column E25.
Tota	al Number of	Samples	2	Maximum nH	55	Minimum nH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 30 Building 310 Area 65 SWMU Component Verification Data DCAP EOL ARO Project

Dete	Desideding of		SWMILID#	Oomenia #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SWIND ID#	Sample #	(pri resi)	(pri resi)	Description
7/28/20	16 310	65	B/310 LS IW	ACID#90-1	6.5		Inside of discharge pipe coming out of tank to Acid #90 lift pump at column B19.
7/28/20	16 310	65	B/310 LS IW	ACID#90-2	6.0		Inside of discharge pipe coming out of tank to Acid #90 lift pump at column B19.
7/28/20	16 310	65	B/310 LS IW	ACID#90-3	5.5		Inside of intake pipe coming out of tank to Acid #90 lift pump at column B19.

6.5

Total Number of Samples 3

Maximum pH

Minimum pH

5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Table 31 Building 310 Area 68 SWMU Component Verification Data DCAP EOL ARO Project

Data	Building	Aroa	SWMILID#	Sample #	Hydrion ¹	colorpHast ²	Description
Dale	Building	Alea		Sample #	(pri rest)	(pri rest)	Description
8/18/2016	310	68	B/310 LS IW	ACID#24-1	6.0		Inside bottom of tank to Acid #24 lift pump at column E-23.
8/18/2016	310	68	B/310 I S IW	ACID#24-2	6.0		Inside sidewall of tank to Acid #24 lift pump at column E-23
0/10/2010	010	00	B/010 LO IV	//OID#212	0.0		
							Inside of discharge pipe coming out of tank to Acid #24 lift
8/18/2016	310	68	B/310 LS IW	ACID#24-3	6.0		pump at column E-23.
8/18/2016	310	68	B/310 LS IW	ACID#24-4	6.0		Top of lid of tank to Acid #24 lift pump at column E-23.
8/18/2016	310	68	B/310 LS IW	ACID#24-5	6.0		Bottom of lid of tank to Acid #24 lift pump at column E-23.
-			_				
Tota	al Number of	Samples	5	Maximum pH	6.0	Minimum pH	6.0

Table 32 Building 310 Area 26 SWMU Component Verification Data DCAP EOL ARO Project

2/26/2016	ò
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Dete	Duildin	A	SW/MUUD#	Comple #	Hydrion ¹	colorpHast ²	Description
Date	Building	Area	SVVIVIO ID#	Sample #	(pri rest)	(pri resi)	Description
2/23/2016	310	26	B/310 LS IW	ACID#17-1	6.0		Inside bottom of lift tank to Acid #17 lift pump between columns D6 and D7
2/23/2016	310	26	B/310 LS IW	ACID#17-2	6.0		Inside bottom of catch pan to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-3	6.0		Top of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-4	6.0		Inside drain pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-5	6.0		Inside drain pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-6	6.0		Inside drain pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-7	6.0		Inside drain pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-8	6.0		Inside drain pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-9	5.5		Inside copper pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
2/23/2016	310	26	B/310 LS IW	ACID#17-10	5.5		Inside copper pipe coming off of lift tank to Acid #17 lift pump between columns D6 and D7.
Tota	I Number of	Samples	10	Maximum pH	6.0	Minimum pH	5.5

Notes:

1 - HYDRION pH test strips with range from 5.0 to 9.0

Attachment C

Analytical Data Tables and Reports For Trenches in Solvent Room and Corrosives Room – SWMU Lift Stations



Attachment C Table C-1 Area 13 Solvent Room Concrete Trench Sample Results DCAP SWMU Closure Report GLOBALFOUNDRIES US 2 LLC FAB 10 Hopewell Junction, NY

	DATE	7/27/2016			7/27/2016			7/27/2016			7/27/2016			7/27/2016		
	SAMPLE	SRT-1			SRT-2			SRT-3			SRT-4			SRT-5		
ANALYTE	UNITS	RESULT	Q	MRL												
2-Propanol (Isopropyl Alcohol)	µg/kg	1700		10000	10000	U	10000									
n-Butyl Acetate	µg/kg	10000	U	10000												
2-Ethoxyethyl Acetate	µg/kg	10000	U	10000												
gamma-Butyrolactone (GBL)	µg/kg	5000	U	5000												

	DATE	7/27/2016			7/27/2016			8/17/2016			8/17/2016		
	SAMPLE	SRT-6			SRT-Back			SRT-7			SRT-8		
ANALYTE	UNITS	RESULT	Q	MRL									
2-Propanol (Isopropyl Alcohol)	µg/kg	10000	U	10000	10000	U	10000	4500	U	10000	10000	U	10000
n-Butyl Acetate	µg/kg	10000	U	10000									
2-Ethoxyethyl Acetate	µg/kg	10000	U	10000									
gamma-Butyrolactone (GBL)	µg/kg	5000	U	5000									

Notes:

Detected concentrations are in bold.

Units in µg/kg are equivalent to parts-per-billion by volume.

U- Undetected at the specified method reporting limit.

MRL= Method Reporting Limit.

SRT-1 through 6 are pulverized concrete core samples of trench bottom (0-3 inch interval).

SRT-7 and 8 are pulverized concrete core samples of slab beneath trench liner at and adjacent to the SRT-1 location (0-3 inch interval in underlying slab).

SRT-BACK is the designated background slab sample obtained from adjacent room.

Attachment C Table C-2 Area 13 Corrosives Room Concrete Trench Sample Results DCAP SWMU Closure Report GLOBALFOUNDRIES US 2 LLC FAB 10 Hopewell Junction, NY

	DATE SAMPLE	7/28/2016 CRT-1			7/28/2016 CRT-2			7/28/2016 CRT-3			7/28/2016 CRT-4			7/27/2016 CRT-BACK		
ANALYTE	UNITS	RESULT	Q	MRL	RESULT	Q	MRL									
Arsenic, Total	mg/kg	3.59		0.99	4.4		1.0	2.86		0.99	4.4		0.98	3.62		0.99
Barium, Total	mg/kg	34.3		2.0	58.6		2.0	27.9		2.0	34.6		2.0	40.8		2.0
Cadmium, Total	mg/kg	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.49	U	0.49	0.50	U	0.50
Chromium, Total	mg/kg	8.03		0.99	9.2		1.0	7.89		0.99	10.6		0.98	9.74		0.99
Lead, Total	mg/kg	5.0	U	5.0	5.0		5.0	5.0	υ	5.0	6.5		4.9	8.6		5.0
Mercury, Total	mg/kg	0.032	U	0.032	0.033	U	0.033									
Potassium, Total	mg/kg	990		200	1320		200	950		200	1230		200	1430		200
Selenium, Total	mg/kg	2.30		0.99	2.8		1.0	1.75		0.99	2.50		0.98	1.88		0.99
Silver, Total	mg/kg	0.99	U	0.99	1.0	U	1.0	0.99	U	0.99	0.98	U	0.98	0.99	U	0.99
Sodium, Total	mg/kg	339		99	370		100	308		99	414		98	569		99
Ammonia as Nitrogen	mg/kg	5.0	U	5.0	5.0	U	5.0	5.0	υ	5.0	5.0	U	5.0	5.0	U	5.0
Chloride	mg/kg	38		30	56		30	41		30	71		30	361		30
Nitrate as Nitrogen	mg/kg	10	U	10	10	U	10	10	υ	10	10	U	10	10	U	10
Nitrite as Nitrogen	mg/kg	10	U	10	10	U	10	10	υ	10	10	U	10	10	U	10
рН	pH Units	12.06		-	12.05		-	11.98		-	12.0		-	11.93		-
Sulfate	mg/kg	1130		120	1210		120	955		30	1300		120	1100		120

Notes:

Detected concentrations are in bold.

Units in mg/kg are equivalent to parts-per-million by volume.

U- Undetected at the specified method reporting limit.

MRL= Method Reporting Limit.

CRT-1 through 4 are pulverized concrete core samples of trench bottom (0-3 inch interval).

CRT-BACK is the designated background slab sample obtained from adjacent room.

Attachment C Table C-3 Area 13 Corrosives Room Concrete Trench Sample Results Compared to Indicator Values DCAP SWMU Closure Report GLOBALFOUNDRIES US 2 LLC FAB 10 Hopewell Junction, NY

																		Samples	Unrestricted	Samples
	DATE	7/28/2016			7/28/2016			7/28/2016			7/28/2016			7/27/2016			RCRA	Above RCRA	Soil Use	Above Soil
	SAMPLE	CRT-1			CRT-2			CRT-3			CRT-4			CRT-BACK			Indicator	Indicator	Indicator	Indicator
ANALYTE	UNITS	RESULT	Q	MRL	Values	Values	Values	Values												
Arsenic, Total	mg/kg	3.59		0.99	4.4		1.0	2.86		0.99	4.4		0.98	3.62		0.99	100.0	0	13	0
Barium, Total	mg/kg	34.3		2.0	58.6		2.0	27.9		2.0	34.6		2.0	40.8		2.0	2000.0	0	350	0
Cadmium, Total	mg/kg	0.50	U	0.50	0.50	U	0.50	0.50	U	0.50	0.49	U	0.49	0.50	U	0.50	20.0	0	2.5	0
Chromium, Total	mg/kg	8.03		0.99	9.2		1.0	7.89		0.99	10.6		0.98	9.74		0.99	100.0	0	30	0
Lead, Total	mg/kg	5.0	U	5.0	5.0		5.0	5.0	U	5.0	6.5	i	4.9	8.6		5.0	100.0	0	63	0
Mercury, Total	mg/kg	0.032	U	0.032	0.033	U	0.033	4.0	0	0.18	0									
Potassium, Total	mg/kg	990		200	1320		200	950		200	1230		200	1430		200	NA	NA	NA	NA
Selenium, Total	mg/kg	2.30		0.99	2.8		1.0	1.75		0.99	2.50		0.98	1.88		0.99	20.0	0	3.9	0
Silver, Total	mg/kg	0.99	U	0.99	1.0	U	1.0	0.99	U	0.99	0.98	U	0.98	0.99	U	0.99	100.0	0	2	0
Sodium, Total	mg/kg	339		99	370		100	308		99	414		98	569		99	NA	NA	NA	NA
Ammonia as Nitrogen	mg/kg	5.0	U	5.0	NA	NA	NA	NA												
Chloride	mg/kg	38		30	56		30	41		30	71		30	361		30	NA	NA	NA	NA
Nitrate as Nitrogen	mg/kg	10	U	10	NA	NA	NA	NA												
Nitrite as Nitrogen	mg/kg	10	U	10	NA	NA	NA	NA												
pH	pH Units	12.06		-	12.05		-	11.98		-	12.0		-	11.93		-	≥12.5	0	NA	NA
Sulfate	mg/kg	1130		120	1210		120	955		30	1300		120	1100		120	NA	NA	NA	NA

Notes:

Detected concentrations are in bold.

Units in mg/kg are equivalent to parts-per-million by volume.

U- Undetected at the specified method reporting limit

MRL= Method Reporting Limit.

CRT-1 through 4 are pulverized concrete samples of trench bottom (0-3 inch interval).

CRT-BACK is the designated background slab sample obtained from adjacent room.

RCRA Indicator Value for TCLP metals, analyzed as total metals, is 20 X TCLP limit in the extract to indicate a potential RCRA Characteristic Waste for Toxicity.

RCRA Indicator Value for pH is ≥12.5 to indicate a potential RCRA Characteristic Waste for Corrosivity.

Unrestricted Soil Use Indicator Value: 6NYCRR Part 375-6.8, Table 375-6.8(a) Unrestricted Use Soil Cleanup Objectives, used as a reference value for comparison to pulverized concrete.

Service Request No:R1607928



Raymond Kapp ARCADIS U.S., Inc. 17-17 Route 208 North 2nd Floor Fair Lawn, NJ 07410

Laboratory Results for: DCAP

Dear Raymond,

Enclosed are the results of the sample(s) submitted to our laboratory July 29, 2016 For your reference, these analyses have been assigned our service request number **R1607928**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Lisa.Reyes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

1 Reges

Lisa Reyes Project Manager



Narrative Documents

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com

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Client: ARCADIS U.S., Inc. Project: DCAP/B000130.0001 Sample Matrix: Solid Service Request:R1607928 Date Received:7/29/16

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Nineteen solid, wipe and water samples were received for analysis at ALS Environmental on 07/29/2016. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at \leq 6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Semi-Volatile Organic Analyses:

Method 8015 08/02/16: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8082, 08/03/16: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Metals Analyses:

No significant anomalies were noted with this analysis.

General Chemistry Analyses:

No significant anomalies were noted with this analysis.

Sample Receiving Notes:

pH was not performed in the field as recommended by the EPA to meet an "immediate" or 15 minute Holding Time. In addition, pH is a temperature dependent analysis. The temperature of the sample during pH measurement is included as required by the method. Samples analyzed in the laboratory have been flagged with an "H" to indicate the "immediate" holding time has been exceeded.

Approved by

JReger	Date	9/13/2016



SAMPLE DETECTION SUMMARY

CLIENT ID: CRT-4	Lab ID: R1	Lab ID: R1607928-001										
Analyte	Results	Flag	MDL	PQL	Units	Method						
Chloride	71		6	30	mg/Kg	9056A						
рН	12.00				pH Units	9045D						
Sulfate	1300		50	120	mg/Kg	9056A						
Arsenic, Total	4.40		0.24	0.98	mg/Kg	6010C						
Barium, Total	34.6		0.2	2.0	mg/Kg	6010C						
Chromium, Total	10.6		0.13	0.98	mg/Kg	6010C						
Lead, Total	6.5		0.3	4.9	mg/Kg	6010C						
Potassium, Total	1230		5	200	mg/Kg	6010C						
Selenium, Total	2.50		0.60	0.98	mg/Kg	6010C						
Sodium, Total	414		11	98	mg/Kg	6010C						
CLIENT ID: CRT-3	Lab ID: R1	607928-	002									
Analyte	Results	Flag	MDL	PQL	Units	Method						
Chloride	41		6	30	mg/Kg	9056A						
рН	11.98				pH Units	9045D						
Sulfate	955		11	30	mg/Kg	9056A						

Arsenic, Total	2.86	0.24	0.99	mg/Kg	6010C
Barium, Total	27.9	0.2	2.0	mg/Kg	6010C
Chromium, Total	7.89	0.13	0.99	mg/Kg	6010C
Potassium, Total	950	5	200	mg/Kg	6010C
Selenium, Total	1.75	0.60	0.99	mg/Kg	6010C
Sodium, Total	308	11	99	mg/Kg	6010C

CLIENT ID: CRT-2	Lab ID: R1607928-003								
Analyte	Results Fla	ag MDL	PQL	Units	Method				
Chloride	56	6	30	mg/Kg	9056A				
рН	12.05			pH Units	9045D				
Sulfate	1210	50	120	mg/Kg	9056A				
Arsenic, Total	4.4	0.3	1.0	mg/Kg	6010C				
Barium, Total	58.6	0.2	2.0	mg/Kg	6010C				
Chromium, Total	9.2	0.2	1.0	mg/Kg	6010C				
Lead, Total	5.0	0.3	5.0	mg/Kg	6010C				
Potassium, Total	1320	5	200	mg/Kg	6010C				
Selenium, Total	2.8	0.6	1.0	mg/Kg	6010C				
Sodium, Total	370	20	100	mg/Kg	6010C				

CLIENT ID: CRT-1	Lab ID:	R1607928-	004			
Analyte	Results	s Flag	MDL	PQL	Units	Method
Chloride	38		6	30	mg/Kg	9056A
рН	12.06				pH Units	9045D
Sulfate	1130		50	120	mg/Kg	9056A
Arsenic, Total	3.59		0.24	0.99	mg/Kg	6010C
Barium, Total	4 of 72 34.3		0.2	2.0	mg/Kg	6010C



SAMPLE DETECTION SUMMARY

CLIENT ID: CRT-1	Lab ID: R1	607928-	004			
Analyte	Results	Flag	MDL	PQL	Units	Method
Chromium, Total	8.03		0.13	0.99	mg/Kg	6010C
Potassium, Total	990		5	200	mg/Kg	6010C
Selenium, Total	2.30		0.60	0.99	mg/Kg	6010C
Sodium, Total	339		11	99	mg/Kg	6010C
CLIENT ID: CRT-BACK	Lab ID: R1	607928-	005			
Analyte	Results	Flag	MDL	PQL	Units	Method
Chloride	361		6	30	mg/Kg	9056A
рН	11.93				pH Units	9045D
Sulfate	1100		50	120	mg/Kg	9056A
Arsenic, Total	3.62		0.24	0.99	mg/Kg	6010C
Barium, Total	40.8		0.2	2.0	mg/Kg	6010C
Chromium, Total	9.74		0.13	0.99	mg/Kg	6010C
Lead, Total	8.6		0.3	5.0	mg/Kg	6010C
Potassium, Total	1430		5	200	mg/Kg	6010C
Selenium, Total	1.88		0.60	0.99	mg/Kg	6010C
Sodium, Total	569		11	99	mg/Kg	6010C
CLIENT ID: SRT-1	Lab ID: R1	607928-	011			
Analyte	Results	Flag	MDL	PQL	Units	Method
2-Propanol (Isopropyl Alcohol)	17000			10000	ug/Kg	8015C
CLIENT ID: RINSE BLANK	Lab ID: R1	607928-	018			
Analyte	Results	Flag	MDL	PQL	Units	Method
рН	6.68				pH Units	9040C



Sample Receipt Information

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Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	CLIENT SAMPLE ID	DATE	<u>TIME</u>
R1607928-001	CRT-4	7/28/2016	1015
R1607928-002	CRT-3	7/28/2016	1002
R1607928-003	CRT-2	7/28/2016	0943
R1607928-004	CRT-1	7/28/2016	0908
R1607928-005	CRT-BACK	7/27/2016	1640
R1607928-006	A30-HYD1B	7/28/2016	1420
R1607928-007	A30-HYD1S	7/28/2016	1425
R1607928-008	A30-HYD2B	7/28/2016	1440
R1607928-009	A30-HYD2S	7/28/2016	1445
R1607928-011	SRT-1	7/27/2016	1355
R1607928-012	SRT-2	7/27/2016	1419
R1607928-013	SRT-6	7/27/2016	1614
R1607928-014	SRT-5	7/27/2016	1608
R1607928-015	SRT-3	7/27/2016	1435
R1607928-016	SRT-4	7/27/2016	1549
R1607928-017	SRT-BACK	7/28/2016	1029
R1607928-018	RINSE BLANK	7/28/2016	1505
R1607928-019	TRAVEL BLANK	7/28/2016	1516

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SR#_____ PAGE 1 OF 2

Project Name: DCAP	Project Numb	er: <u>B0</u> (0130.001	······································					Analysi	s Request	tet		
Project Manager: Ray Ka	рр Сотрану: А	rcadi	S		iners	オゴ	anon i	in S		5,10,			
Company/Address: 17-17 R+ 2	USN Phone: 84	5-340	6-6454		Onta	the second	A	al s		1200	τ γ		
City, State, Zip: Fair Lawn,	AN Email: Say	monde	Kopparan	lis. Com	of (2'S	400	m. M		020	28		
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CRT-2	7/28/16	0943		S	1	X	4	\checkmark	×				
CRT-1	7/28/16	0908		8	1	X	×.	×	\prec				
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🗡 Standard (15 BD)			(Surrogate, as req	uired)									
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SR# ______ OF _____

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SRT-3	7/27/16	14:35		S		X					
SRT- 4	7/27/16	1545		S	1	X					
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CRT-BACK	7/27/16	1640	·····	Ś		*	*	\mathbf{X}	\checkmark		
A30-HYD 1B	7/28/14	1420		wife				/		X	
A20-HYD 15	7/28/16	1425		wipe							
AJD-HYD 2B	7/28/16	1440		Dipe						X	
A3D-HYD 2S	7/28/16	1445		W.Pe				· · · · · · · · · · · · · · · · · · ·		X	
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SR# PAGE 2 OF 2

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1 Were Cu	stody seals o	n outsic	le of co	ooler?	B	N	5a	Percl	hlorate	samples	have require	1 headspa	ce?	YN	(NA)
2 Custody	papers prop	erly con	apletec	l (ink, s	igned)? Y		5b	Did V	/OA vi	als, Alk,	or Sulfide hav	e sig* bu	bbles?	Y N	(NA)
3 Did all bo	ottles arrive in	n good d	conditi	ion (unl	broken)?Y)	N	6	Wher	e did t	he bottles	originate?	ALS	ROC	CLIE	NT
4 Circle:	Wet lee Dr	y Ice (Gel pa	cks]	present?	N	7	Soil V	VOA re	eceived a	s: Bulk	Encore	5035	set (N	Ά)
. Temperatur	e Readings	Da	ıte:	1/29/16		09.37	1	ID:	(R#3) IR#6	Fre	m: Tem	p Blank	Samp	le Bottl
Observed Te	mp (°C)		3.	3							_				
Correction F	actor (°C)		rl	1.2									·····		
Within 0-6°	7?		2.3	<u>50</u>	V N	<u> </u>	¥7 ·			- >7	X7 X1				
If <0°C, were	e samples fro	zen?	$\frac{U}{V}$	N N	Y N		v v	N N		N N	Y N V N	$\frac{\mathbf{Y}}{\mathbf{V}}$	N N		<u>N</u>
If out of T	emperature	. note r	 Dackin	g/ice co	ndition:		 T	ce mel	ted 1	Poor	I IN	<u>1</u> Sa	me Dav	Rule	11
&Client A	Approval to 1	Run Sa	mples	:	Standing	g Appr	oval	Clien	t awar	e at drop-	off Client	notified b	v:	Tuie	
All samples	held in stora	ge loca	tion		2	bv	ā		on	1/10	/. at	1916		·	
5035 sample	a placed in s	torage	locatic	 m:	K-002	by -	ω		on -	-1/29/	<u>at</u>	0138			
2. D 3. W	vid all bottle l Vere correct o	abels ar	id tags	agree v l for the	with custody p tests indicate	apers? apers?	on, etc. ?	.):		$\begin{cases} Y \\ Y \\ Y \end{cases}$	ES N ES N	\$ }*:			
4. A Explain an	ir Samples: (Cassette	s/Tul	oes Inta	ct	Ca	nisters	Pressu	rized		Tedlar® Bag	s Inflated	(N/A	
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PC Secondary Review: P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r11.doc

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*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

7/11/16



Miscellaneous Forms

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REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the õNotesö column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an õimmediateö hold time criteria.
- # Spike was diluted out.

- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester I	ab ID.	# for State	Certifica	ation	IS ¹	
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Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratoryø NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

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ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
Μ	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a
	substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but
	greater than or equal to the MDL.

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001

Service Request: R1607928

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Water	2-Ethoxyethyl Acetate
8015C	Water	Isopropyl Alcohol
8015C	Water	gamma-Butyrolactone (GBL)
8015C	Water	n-Butyl Acetate
8015C	Solid	2-Ethoxyethyl Acetate
8015C	Solid	2-Propanol (Isopropyl Alcohol)
8015C	Solid	gamma-Butyrolactone (GBL)
8015C	Solid	n-Butyl Acetate
8082A	Wipe	Aroclor 1016
8082A	Wipe	Aroclor 1221
8082A	Wipe	Aroclor 1232
8082A	Wipe	Aroclor 1242
8082A	Wipe	Aroclor 1248
8082A	Wipe	Aroclor 1254
8082A	Wipe	Aroclor 1260
8082A	Wipe	Aroclor 1262
8082A	Wipe	Aroclor 1268
9040C	Water	pH
ASTM D6919-09	Solid	Ammonia as Nitrogen, undistilled

Analyst Summary report

Client:	ARCADIS U.S., Inc.	Service Request:	R1607928
Project:	DCAP/B000130.0001		

Sample Name:	CRT-4	Date Collected:	07/28/16
Lab Code:	R1607928-001	Date Received:	07/29/16
Sample Matrix:	Solid		

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CGILDAY	AMESSUR
7471B	CGILDAY	CGILDAY
9045D		MSTONE
9056A	CWOODS	CWOODS
ASTM D6919-09	NMANSEN	TSABO

Sample Name:	CRT-3
Lab Code:	R1607928-002
Sample Matrix:	Solid

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CGILDAY	AMESSUR
7471B	CGILDAY	CGILDAY
9045D		MSTONE
9056A	CWOODS	CWOODS
ASTM D6919-09	NMANSEN	TSABO

Sample Name:	CRT-2
Lab Code:	R1607928-003
Sample Matrix:	Solid

Date Collected: 07/28/16 **Date Received:** 07/29/16

Date Collected: 07/28/16

Date Received: 07/29/16

Analysis Method	Extracted/Digested By	Analyzed By
6010C	CGILDAY	AMESSUR
7471B	CGILDAY	CGILDAY
9045D		MSTONE
9056A	CWOODS	CWOODS
ASTM D6919-09	NMANSEN	TSABO

Analyst Summary report

Project:	DCAP/B000130.0001		
Sample Name:	CRT-1		Date Collected: 07/28/16
Lab Code:	R1607928-004		Date Received: 07/29/16
Sample Matrix:	Solid		
Analysis Method		Extracted/Digested By	Analyzed By
6010C		CGILDAY	AMESSUR
7471B		CGILDAY	CGILDAY
9045D			MSTONE
9056A		CWOODS	CWOODS
ASTM D6919-09		NMANSEN	TSABO
Sample Name:	CRT-BACK		Date Collected: 07/27/16
Lab Code:	R1607928-005		Date Received: 07/29/16
Sample Matrix:	Solid		
Analysis Method		Extracted/Digested By	Analyzed By
6010C		CGILDAY	AMESSUR
7471B		CGILDAY	CGILDAY
9045D			MSTONE
9056A		CWOODS	CWOODS
ASTM D6919-09		NMANSEN	TSABO
Sample Name:	A30-HYD1B		Date Collected: 07/28/16
Lab Code:	R1607928-006		Date Received: 07/29/16
Sample Matrix:	Wipe		
Analysis Method		Extracted/Digested By	Analyzed By
8082A		DMURPHY	MPEDRO
Sample Name:	A30-HYD1S		Date Collected: 07/28/16
Lab Code:	R1607928-007		Date Received: 07/29/16
Sample Matrix:	Wipe		
Analysis Method		Extracted/Digested Ry	Analyzed By
8082A		DMURPHY	
0002A		DWORFHI	

Client:

ARCADIS U.S., Inc.

Service Request: R1607928

Analyst Summary report

Client: Project:	ARCADIS U.S., Inc. DCAP/B000130.0001		Service Request: R1607928
Sample Name: Lab Code: Sample Matrix:	A30-HYD2B R1607928-008 Wipe		Date Collected: 07/28/16 Date Received: 07/29/16
Analysis Method 8082A		Extracted/Digested By DMURPHY	Analyzed By MPEDRO
Sample Name: Lab Code: Sample Matrix:	A30-HYD2S R1607928-009 Wipe		Date Collected: 07/28/16 Date Received: 07/29/16
Analysis Method 8082A		Extracted/Digested By DMURPHY	Analyzed By MPEDRO
Sample Name: Lab Code: Sample Matrix:	SRT-1 R1607928-011 Solid		Date Collected: 07/27/16 Date Received: 07/29/16
Analysis Method 8015C		Extracted/Digested By AMOSES	Analyzed By AMOSES
Sample Name: Lab Code: Sample Matrix:	SRT-2 R1607928-012 Solid		Date Collected: 07/27/16 Date Received: 07/29/16
Analysis Method 8015C		Extracted/Digested By AMOSES	Analyzed By AMOSES
Sample Name: Lab Code: Sample Matrix:	SRT-6 R1607928-013 Solid		Date Collected: 07/27/16 Date Received: 07/29/16

Analysis Method 8015C

Analyzed By

AMOSES

AMOSES

Extracted/Digested By

Superset Reference:16-0000387150 rev 00

Analyst Summary report

Client:	ARCADIS U.S., Inc.
Project:	DCAP/B000130.0001

SRT-5

Solid

R1607928-014

Service Request: R1607928

Date Collected: 07/27/16 **Date Received:** 07/29/16

Analysis Method	Extracted/Digested By	Analyzed B
8015C	AMOSES	AMOSES
		a

Sample Name:	SRT-3
Lab Code:	R1607928-015
Sample Matrix:	Solid

Analysis Method 8015C

Sample Name:

Sample Matrix:

Lab Code:

Sample Name:	SRT-4
Lab Code:	R1607928-016
Sample Matrix:	Solid

Analysis Method 8015C

Sample Name:	SRT-BACK			
Lab Code:	R1607928-017			
Sample Matrix:	Solid			

Analysis Method 8015C

Sample Name:	RINSE BLANK
Lab Code:	R1607928-018
Sample Matrix:	Water

Analysis Method 6010C

y

Date Collected: 07/27/16 **Date Received:** 07/29/16

Extracted/Digested By AMOSES

Analyzed By AMOSES

Date Collected: 07/27/16 **Date Received: 07/29/16**

Extracted/Digested By AMOSES

Analyzed By AMOSES

Date Collected: 07/28/16 **Date Received:** 07/29/16

Extracted/Digested By AMOSES

Analyzed By AMOSES

Date Collected: 07/28/16 **Date Received:** 07/29/16

Extracted/Digested By CGILDAY

Analyzed By AMESSUR

Analyst Summary report

Client:	ARCADIS U.S., Inc.	Service Request:	R1607928
Project:	DCAP/B000130.0001		

Sample Name:	RINSE BLANK	Date Collected:	07/28/16
Lab Code:	R1607928-018	Date Received:	07/29/16
Sample Matrix:	Water		

Analysis Method		Extracted/Digested By	Analyzed By
7470A		CGILDAY	CGILDAY
8015C			AMOSES
9040C			MSTONE
9056A			CWOODS
ASTM D6919-09			NMANSEN
Sample Name:	TRAVEL BLANK]	Date Collected: 07/28/16
Lab Code:	R1607928-019		Date Received: 07/29/16
Sample Matrix:	Wipe		
Analysis Method		Extracted/Digested By	Analyzed By

8082A

DMURPHY

Analyzed By MPEDRO



The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid	9030B
Soluble	
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation
	Method
6010C	3050B
6020A	3050B
6010C TCLP (1311)	3005A/3010A
extract	
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
-	
300.0 Anions/ 350.1/	DI extraction
353.2/ SM 2320B/ SM	
5210B/ 9056A Anions	

For analytical methods not listed, the preparation method is the same as the analytical method reference.

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Sample Results

ALS Environmental—Rochester Laboratory 1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623 Phone (585) 288-5380 Fax (585) 288-8475 www.alsglobal.com

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Semivolatile Organic Compounds by GC

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Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 13:55
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-1	Units: ug/Kg
Lab Code:	R1607928-011	Basis: As Received

Analysis Method:	8015C		
Prep Method:	Method		

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	17000	10000	1	08/08/16 15:00	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 15:00	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 15:00	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 15:00	8/8/16	
Surrogate Name		% Rec	Control L	imits Date Ana	alyzed Q	
2-Hexanone		94	70 - 13	30 08/08/16	15:00	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 14:19
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-2	Units: ug/Kg
Lab Code:	R1607928-012	Basis: As Received

Analysis Method:	8015C		
Prep Method:	Method		

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	10000 U	10000	1	08/08/16 15:31	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 15:31	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 15:31	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 15:31	8/8/16	
Surrogate Name		% Rec	Control L	imits Date Ana	alyzed Q	
2-Hexanone		92	70 - 13	30 08/08/16	5 15:31	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 16:14
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-6	Units: ug/Kg
Lab Code:	R1607928-013	Basis: As Received

Analysis Method:	8015C		
Prep Method:	Method		

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	10000 U	10000	1	08/08/16 16:01	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 16:01	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 16:01	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 16:01	8/8/16	
Surrogate Name		% Rec	Control L	imits Date Ana	alyzed Q	
2-Hexanone		98	70 - 1	30 08/08/16	16:01	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 16:08
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-5	Units: ug/Kg
Lab Code:	R1607928-014	Basis: As Received

Analysis Method:	8015C		
Prep Method:	Method		

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	10000 U	10000	1	08/08/16 16:32	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 16:32	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 16:32	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 16:32	8/8/16	
Surrogate Name		% Rec	Control L	imits Date Ana	alyzed Q	
2-Hexanone		96	70 - 13	30 08/08/16	16:32	
Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 14:35
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-3	Units: ug/Kg
Lab Code:	R1607928-015	Basis: As Received
	Nonhalogenated Semi Vo	latile Organics by GC

MRL Analyte Name Result Dil. **Date Analyzed Date Extracted** Q 10000 U 10000 1 08/08/16 17:02 8/8/16 2-Propanol (Isopropyl Alcohol) 10000 U 10000 1 08/08/16 17:02 8/8/16 n-Butyl Acetate 10000 U 10000 1 08/08/16 17:02 8/8/16 2-Ethoxyethyl Acetate 50000 1 08/08/16 17:02 8/8/16 gamma-Butyrolactone (GBL) 50000 U Surrogate Name % Rec Q **Control Limits Date Analyzed** 2-Hexanone 97 70 - 130 08/08/16 17:02

Analysis Method:

Prep Method:

8015C

Method

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/27/16 15:49
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-4	Units: ug/Kg
Lab Code:	R1607928-016	Basis: As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	10000 U	10000	1	08/08/16 17:33	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 17:33	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 17:33	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 17:33	8/8/16	
Surrogate Name		% Rec	Control L	imits Date Ana	alyzed Q	
2-Hexanone		95	70 - 13	30 08/08/16	17:33	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/28/16 10:29
Sample Matrix:	Solid	Date Received: 07/29/16 09:05
Sample Name:	SRT-BACK	Units: ug/Kg
Lab Code:	R1607928-017	Basis: As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	10000 U	10000	1	08/08/16 18:03	8/8/16	
n-Butyl Acetate	10000 U	10000	1	08/08/16 18:03	8/8/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/08/16 18:03	8/8/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/08/16 18:03	8/8/16	
Surrogate Name		% Rec	Control L	Limits Date A	nalyzed Q	
2-Hexanone		94	70 - 1	30 08/08/1	6 18:03	

Analytical Report **Client:** Service Request: R1607928 ARCADIS U.S., Inc. Date Collected: 07/28/16 15:05 **Project:** DCAP/B000130.0001 Sample Matrix: Water Date Received: 07/29/16 09:05 Units: Sample Name: **RINSE BLANK** Lab Code: R1607928-018 Basis: NA

Alcohols using GC/FID

Analysis Method: 8015C

Analyte Name	Result		MRL	Dil.	Date Analyz	ed	Q
2-Ethoxyethyl Acetate	U		-	1	08/04/16 18:	44	
gamma-Butyrolactone (GBL)	U		-	1	08/04/16 18:	44	
Isopropyl Alcohol	1000 U		1000	1	08/04/16 18:	44	
n-Butyl Acetate	1000 U		1000	1	08/04/16 18:	44	
Surrogate Name		% Rec	Control I	Limits	Date Analyzed	Q	
2-Hexanone		96	85 - 1	21	08/04/16 18:44		

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/28/16 14:20
Sample Matrix:	Wipe	Date Received: 07/29/16 09:05
Sample Name:	A30-HYD1B	Units: ug/WIPE
Lab Code:	R1607928-006	Basis: As Received

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A
Prep Method:	EPA 3550C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 18:14	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 18:14	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 18:14	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	96	47 - 125	08/03/16 18:14	
Tetrachloro-m-xylene	91	65 - 143	08/03/16 18:14	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: 07/28/16 14:25
Sample Matrix:	Wipe	Date Received: 07/29/16 09:05
Sample Name:	A30-HYD1S	Units: ug/WIPE
Lab Code:	R1607928-007	Basis: As Received

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A
Prep Method:	EPA 3550C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 18:40	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 18:40	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 18:40	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q	
Decachlorobiphenyl	84	47 - 125	08/03/16 18:40		
Tetrachloro-m-xylene	86	65 - 143	08/03/16 18:40		

Analytical Report **Client:** Service Request: R1607928 ARCADIS U.S., Inc. Date Collected: 07/28/16 14:40 **Project:** DCAP/B000130.0001 Date Received: 07/29/16 09:05 Sample Matrix: Wipe Units: ug/WIPE Sample Name: A30-HYD2B Lab Code: R1607928-008 Basis: As Received

Polychlorinated Biphenyls (PCBs) by GC

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 19:05	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 19:05	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 19:05	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	96	47 - 125	08/03/16 19:05	
Tetrachloro-m-xylene	92	65 - 143	08/03/16 19:05	

Analytical Report **Client:** Service Request: R1607928 ARCADIS U.S., Inc. **Date Collected:** 07/28/16 14:45 **Project:** DCAP/B000130.0001 Date Received: 07/29/16 09:05 Sample Matrix: Wipe Units: ug/WIPE Sample Name: A30-HYD2S Lab Code: R1607928-009 Basis: As Received

Polychlorinated Biphenyls (PCBs) by GC

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 19:31	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 19:31	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 19:31	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	88	47 - 125	08/03/16 19:31	
Tetrachloro-m-xylene	85	65 - 143	08/03/16 19:31	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 15:16Sample Matrix:WipeDate Received:07/29/16 09:05Sample Name:TRAVEL BLANKUnits:ug/WIPELab Code:R1607928-019Basis:As Received

Polychlorinated Biphenyls (PCBs) by GC

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 19:57	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 19:57	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 19:57	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	84	47 - 125	08/03/16 19:57	
Tetrachloro-m-xylene	83	65 - 143	08/03/16 19:57	



Metals

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Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 10:15Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-4Basis:As ReceivedLab Code:R1607928-001As ReceivedAs Received

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	4.40	mg/Kg	0.98	1	08/02/16 20:36	08/01/16	
Barium, Total	6010C	34.6	mg/Kg	2.0	1	08/02/16 20:36	08/01/16	
Cadmium, Total	6010C	0.49 U	mg/Kg	0.49	1	08/02/16 20:36	08/01/16	
Chromium, Total	6010C	10.6	mg/Kg	0.98	1	08/02/16 20:36	08/01/16	
Lead, Total	6010C	6.5	mg/Kg	4.9	1	08/02/16 20:36	08/01/16	
Mercury, Total	7471B	0.032 U	mg/Kg	0.032	1	08/05/16 14:09	08/05/16	
Potassium, Total	6010C	1230	mg/Kg	200	1	08/02/16 20:36	08/01/16	
Selenium, Total	6010C	2.50	mg/Kg	0.98	1	08/03/16 17:14	08/01/16	
Silver, Total	6010C	0.98 U	mg/Kg	0.98	1	08/02/16 20:36	08/01/16	
Sodium, Total	6010C	414	mg/Kg	98	1	08/02/16 20:36	08/01/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 10:02Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-3Basis:As ReceivedLab Code:R1607928-002As ReceivedAs Received

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	2.86	mg/Kg	0.99	1	08/02/16 20:40	08/01/16	
Barium, Total	6010C	27.9	mg/Kg	2.0	1	08/02/16 20:40	08/01/16	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	08/02/16 20:40	08/01/16	
Chromium, Total	6010C	7.89	mg/Kg	0.99	1	08/02/16 20:40	08/01/16	
Lead, Total	6010C	5.0 U	mg/Kg	5.0	1	08/02/16 20:40	08/01/16	
Mercury, Total	7471B	0.032 U	mg/Kg	0.032	1	08/05/16 14:14	08/05/16	
Potassium, Total	6010C	950	mg/Kg	200	1	08/02/16 20:40	08/01/16	
Selenium, Total	6010C	1.75	mg/Kg	0.99	1	08/03/16 17:18	08/01/16	
Silver, Total	6010C	0.99 U	mg/Kg	0.99	1	08/02/16 20:40	08/01/16	
Sodium, Total	6010C	308	mg/Kg	99	1	08/02/16 20:40	08/01/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 09:43Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-2Basis:As ReceivedLab Code:R1607928-003As ReceivedAs Received

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	4.4	mg/Kg	1.0	1	08/02/16 20:44	08/01/16	
Barium, Total	6010C	58.6	mg/Kg	2.0	1	08/02/16 20:44	08/01/16	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	08/02/16 20:44	08/01/16	
Chromium, Total	6010C	9.2	mg/Kg	1.0	1	08/02/16 20:44	08/01/16	
Lead, Total	6010C	5.0	mg/Kg	5.0	1	08/02/16 20:44	08/01/16	
Mercury, Total	7471B	0.032 U	mg/Kg	0.032	1	08/05/16 14:15	08/05/16	
Potassium, Total	6010C	1320	mg/Kg	200	1	08/02/16 20:44	08/01/16	
Selenium, Total	6010C	2.8	mg/Kg	1.0	1	08/02/16 20:44	08/01/16	
Silver, Total	6010C	1.0 U	mg/Kg	1.0	1	08/02/16 20:44	08/01/16	
Sodium, Total	6010C	370	mg/Kg	100	1	08/02/16 20:44	08/01/16	

Analytical Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:SolidSample Name:CRT-1Lab Code:R1607928-004

Service Request: R1607928 Date Collected: 07/28/16 09:08 Date Received: 07/29/16 09:05

Basis: As Received

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	3.59	mg/Kg	0.99	1	08/02/16 20:48	08/01/16	<u> </u>
Barium, Total	6010C	34.3	mg/Kg	2.0	1	08/02/16 20:48	08/01/16	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	08/02/16 20:48	08/01/16	
Chromium, Total	6010C	8.03	mg/Kg	0.99	1	08/02/16 20:48	08/01/16	
Lead, Total	6010C	5.0 U	mg/Kg	5.0	1	08/02/16 20:48	08/01/16	
Mercury, Total	7471B	0.032 U	mg/Kg	0.032	1	08/05/16 14:17	08/05/16	
Potassium, Total	6010C	990	mg/Kg	200	1	08/02/16 20:48	08/01/16	
Selenium, Total	6010C	2.30	mg/Kg	0.99	1	08/02/16 20:48	08/01/16	
Silver, Total	6010C	0.99 U	mg/Kg	0.99	1	08/02/16 20:48	08/01/16	
Sodium, Total	6010C	339	mg/Kg	99	1	08/02/16 20:48	08/01/16	

Analytical Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:SolidSample Name:CRT-BACKLab Code:R1607928-005

Service Request: R1607928 Date Collected: 07/27/16 16:40 Date Received: 07/29/16 09:05

Basis: As Received

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	3.62	mg/Kg	0.99	1	08/02/16 20:52	08/01/16	
Barium, Total	6010C	40.8	mg/Kg	2.0	1	08/02/16 20:52	08/01/16	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	08/02/16 20:52	08/01/16	
Chromium, Total	6010C	9.74	mg/Kg	0.99	1	08/02/16 20:52	08/01/16	
Lead, Total	6010C	8.6	mg/Kg	5.0	1	08/02/16 20:52	08/01/16	
Mercury, Total	7471B	0.033 U	mg/Kg	0.033	1	08/05/16 14:19	08/05/16	
Potassium, Total	6010C	1430	mg/Kg	200	1	08/02/16 20:52	08/01/16	
Selenium, Total	6010C	1.88	mg/Kg	0.99	1	08/02/16 20:52	08/01/16	
Silver, Total	6010C	0.99 U	mg/Kg	0.99	1	08/02/16 20:52	08/01/16	
Sodium, Total	6010C	569	mg/Kg	99	1	08/02/16 20:52	08/01/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 15:05Sample Matrix:WaterDate Received:07/29/16 09:05Sample Name:RINSE BLANKBasis:NALab Code:R1607928-018Collected:NA

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	10 U	ug/L	10	1	08/02/16 19:00	08/01/16	
Barium, Total	6010C	20 U	ug/L	20	1	08/02/16 19:00	08/01/16	
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	08/02/16 19:00	08/01/16	
Chromium, Total	6010C	10 U	ug/L	10	1	08/02/16 19:00	08/01/16	
Lead, Total	6010C	50 U	ug/L	50	1	08/02/16 19:00	08/01/16	
Mercury, Total	7470A	0.20 U	ug/L	0.20	1	08/09/16 11:11	08/05/16	
Potassium, Total	6010C	2000 U	ug/L	2000	1	08/02/16 19:00	08/01/16	
Selenium, Total	6010C	10 U	ug/L	10	1	08/02/16 19:00	08/01/16	
Silver, Total	6010C	10 U	ug/L	10	1	08/02/16 19:00	08/01/16	
Sodium, Total	6010C	1000 U	ug/L	1000	1	08/02/16 19:00	08/01/16	



General Chemistry

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Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 10:15Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-4Basis:As ReceivedLab Code:R1607928-001As ReceivedAs Received

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.0 U	mg/Kg	5.0	10	08/04/16 12:04	08/03/16	
Chloride	9056A	71	mg/Kg	30	1	08/11/16 05:57	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 05:57	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 05:57	08/10/16	
pH	9045D	12.00	pH Units	-	1	08/03/16 18:50	NA	Η
Sulfate	9056A	1300	mg/Kg	120	4	08/11/16 15:43	08/10/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 10:02Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-3Basis:As ReceivedLab Code:R1607928-002As ReceivedAs Received

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.0 U	mg/Kg	5.0	10	08/04/16 13:01	08/03/16	
Chloride	9056A	41	mg/Kg	30	1	08/11/16 06:11	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:11	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:11	08/10/16	
pH	9045D	11.98	pH Units	-	1	08/03/16 18:50	NA	Η
Sulfate	9056A	955	mg/Kg	30	1	08/11/16 06:11	08/10/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 09:43Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-2Basis:As ReceivedLab Code:R1607928-003As ReceivedAs Received

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.0 U	mg/Kg	5.0	10	08/04/16 13:20	08/03/16	
Chloride	9056A	56	mg/Kg	30	1	08/11/16 06:22	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:22	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:22	08/10/16	
рН	9045D	12.05	pH Units	-	1	08/03/16 18:50	NA	Η
Sulfate	9056A	1210	mg/Kg	120	4	08/11/16 15:57	08/10/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 09:08Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-1Basis:As ReceivedLab Code:R1607928-004CRT-1CRT-1

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.0 U	mg/Kg	5.0	10	08/04/16 13:39	08/03/16	
Chloride	9056A	38	mg/Kg	30	1	08/11/16 06:36	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:36	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:36	08/10/16	
pH	9045D	12.06	pH Units	-	1	08/03/16 18:50	NA	Η
Sulfate	9056A	1130	mg/Kg	120	4	08/11/16 16:52	08/10/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/27/16 16:40Sample Matrix:SolidDate Received:07/29/16 09:05Sample Name:CRT-BACKBasis:As ReceivedLab Code:R1607928-005As ReceivedAs Received

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	5.0 U	mg/Kg	5.0	10	08/04/16 13:58	08/03/16	
Chloride	9056A	361	mg/Kg	30	1	08/11/16 06:49	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:49	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/11/16 06:49	08/10/16	
рН	9045D	11.93	pH Units	-	1	08/03/16 18:50	NA	Η
Sulfate	9056A	1100	mg/Kg	120	4	08/11/16 17:07	08/10/16	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:07/28/16 15:05Sample Matrix:WaterDate Received:07/29/16 09:05Sample Name:RINSE BLANKBasis:NALab Code:R1607928-018Content of the section of

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.050 U	mg/L	0.050	10	07/31/16 00:56	
Chloride	9056A	2.0 U	mg/L	2.0	10	08/02/16 16:49	
Nitrate as Nitrogen	9056A	1.0 U	mg/L	1.0	10	08/02/16 16:49	*
Nitrite as Nitrogen	9056A	1.0 U	mg/L	1.0	10	08/02/16 16:49	*
pH	9040C	6.68	pH Units	-	1	08/02/16 15:46	Н
Sulfate	9056A	2.0 U	mg/L	2.0	10	08/04/16 00:53	



QC Summary Forms

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Semivolatile Organic Compounds by GC

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QA/QC Report

Service Request: R1607928

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Solid

SURROGATE RECOVERY SUMMARY

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:8015CExtraction Method:Method

		2-Hexanone	
Sample Name	Lab Code	70 - 130	
SRT-1	R1607928-011	94	
SRT-2	R1607928-012	92	
SRT-6	R1607928-013	98	
SRT-5	R1607928-014	96	
SRT-3	R1607928-015	97	
SRT-4	R1607928-016	95	
SRT-BACK	R1607928-017	94	
Method Blank	RQ1609204-01	97	
Lab Control Sample	RQ1609204-02	101	
Duplicate Lab Control Sample	RQ1609204-03	106	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:NASample Matrix:SolidDate Received:NASample Name:Method BlankUnits:ug/KgRu1609204-01Basis:As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol (Isopropyl Alcohol)	1000 U	1000	1	08/08/16 10:55	8/8/16	
n-Butyl Acetate	1000 U	1000	1	08/08/16 10:55	8/8/16	
2-Ethoxyethyl Acetate	1000 U	1000	1	08/08/16 10:55	8/8/16	
gamma-Butyrolactone (GBL)	5000 U	5000	1	08/08/16 10:55	8/8/16	
Surrogate Name		% Rec	Control L	imits Date An	alyzed Q	
2-Hexanone		97	70 - 13	30 08/08/10	5 10:55	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Solid

Service Request: R1607928 **Date Analyzed:** 08/08/16

Duplicate Lab Control Sample Summary Nonhalogenated Semi Volatile Organics by GC

Units:ug/Kg Basis:As Received

			Lab Control RQ160920	Sample 04-02	Dupli	cate Lab Con RQ160920	ntrol Sam 4-03	ple		
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
2-Propanol (Isopropyl Alcohol)	8015C	18400	20000	92	20200	20000	101	43-156	10	30
n-Butyl Acetate	8015C	16000	20000	80	19300	20000	96	56-102	18	30
2-Ethoxyethyl Acetate	8015C	18700	20000	94	21000	20000	105	80-120	12	30
gamma-Butyrolactone (GBL)	8015C	20200	20000	101	20800	20000	104	80-120	3	30

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Water

Service Request: R1607928

SURROGATE RECOVERY SUMMARY

Alcohols using GC/FID

Analysis Method: 8015C

		2-Hexanone
Sample Name	Lab Code	85 - 121
RINSE BLANK	R1607928-018	96
Method Blank	RQ1609286-01	93
Lab Control Sample	RQ1609286-02	100
Duplicate Lab Control Sample	RQ1609286-03	99

Analytical Report **Client:** Service Request: R1607928 ARCADIS U.S., Inc. Date Collected: NA **Project:** DCAP/B000130.0001 Sample Matrix: Water Date Received: NA Units: Sample Name: Method Blank Lab Code: RQ1609286-01 Basis: NA

Alcohols using GC/FID

Analysis Method: 8015C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Isopropyl Alcohol n-Butyl Acetate	1000 U 1000 U	1000 1000	1 1	08/04/16 13:37 08/04/16 13:37	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Hexanone	93	85 - 121	08/04/16 13:37	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Water

Service Request: R1607928 Date Analyzed: 08/04/16

Duplicate Lab Control Sample Summary Alcohols using GC/FID

Units:ug/L Basis:NA

			Lab Contro	ol Sample	Dup	licate Lab Co	ontrol San	nple		
			RQ16092	286-02		RQ160928	86-03			
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Isopropyl Alcohol	8015C	9890	10000	99	10300	10000	103	81-116	4	30
n-Butyl Acetate	8015C	10100	10000	100	9750	10000	98	33-129	3	30

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Wipe

Service Request: R1607928

SURROGATE RECOVERY SUMMARY

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method:	8082A
Extraction Method:	EPA 3550C

		Decachlorobiphenyl	Tetrachloro-m-xylene	
Sample Name	Lab Code	47 - 125	65 - 143	
A30-HYD1B	R1607928-006	96	91	
A30-HYD1S	R1607928-007	84	86	
A30-HYD2B	R1607928-008	96	92	
A30-HYD2S	R1607928-009	88	85	
TRAVEL BLANK	R1607928-019	84	83	
Method Blank	RQ1609054-01	103	97	
Lab Control Sample	RQ1609054-02	101	95	
Duplicate Lab Control Sample	RQ1609054-03	104	97	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:NASample Matrix:WipeDate Received:NASample Name:Method BlankUnits:ug/WIPERQ1609054-01Basis:As Received

Polychlorinated Biphenyls (PCBs) by GC

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1221	4.0 U	4.0	1	08/03/16 16:57	8/3/16	
Aroclor 1232	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1242	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1248	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1254	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1260	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1262	2.0 U	2.0	1	08/03/16 16:57	8/3/16	
Aroclor 1268	2.0 U	2.0	1	08/03/16 16:57	8/3/16	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	103	47 - 125	08/03/16 16:57	
Tetrachloro-m-xylene	97	65 - 143	08/03/16 16:57	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Wipe

Service Request: R1607928 **Date Analyzed:** 08/03/16

Duplicate Lab Control Sample Summary Polychlorinated Biphenyls (PCBs) by GC

> Units:ug/WIPE Basis:As Received

			Lab R	Control Sa Q1609054-	mple 02	Duplicate La RQ16	b Control S 09054-03	Sample		
Analyte Name	Analytical Method	Result	Spike Amount	% Rec	Result	Spike Amount	% Rec	% Rec Limits	RPD	RPD Limit
Aroclor 1016	8082A	6.27	5.00	125	6.54	5.00	131 *	70-130	4	30
Aroclor 1260	8082A	5.47	5.00	109	5.78	5.00	116	70-130	5	30



Metals

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Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1607928
Project:	DCAP/B000130.0001	Date Collected: NA
Sample Matrix:	Water	Date Received: NA
Sample Name:	Method Blank	Basis: NA
Lab Code:	R1607928-MB1	

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	10 U	ug/L	10	1	08/02/16 17:59	08/01/16	
Barium, Total	6010C	20 U	ug/L	20	1	08/02/16 17:59	08/01/16	
Cadmium, Total	6010C	5.0 U	ug/L	5.0	1	08/02/16 17:59	08/01/16	
Chromium, Total	6010C	10 U	ug/L	10	1	08/02/16 17:59	08/01/16	
Lead, Total	6010C	50 U	ug/L	50	1	08/02/16 17:59	08/01/16	
Mercury, Total	7470A	0.20 U	ug/L	0.20	1	08/09/16 10:45	08/05/16	
Potassium, Total	6010C	2000 U	ug/L	2000	1	08/02/16 17:59	08/01/16	
Selenium, Total	6010C	10 U	ug/L	10	1	08/02/16 17:59	08/01/16	
Silver, Total	6010C	10 U	ug/L	10	1	08/02/16 17:59	08/01/16	
Sodium, Total	6010C	1000 U	ug/L	1000	1	08/02/16 17:59	08/01/16	
Analytical Report

Service Request: R1607928 Date Collected: NA Date Received: NA

Basis: As Received

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:SolidSample Name:Method BlankLab Code:R1607928-MB2

Inorganic Parameters

	Analysis							
Analyte Name	Method	Result	Units	MRL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total	6010C	1.0 U	mg/Kg	1.0	1	08/02/16 19:31	08/01/16	
Barium, Total	6010C	2.0 U	mg/Kg	2.0	1	08/02/16 19:31	08/01/16	
Cadmium, Total	6010C	0.50 U	mg/Kg	0.50	1	08/02/16 19:31	08/01/16	
Chromium, Total	6010C	1.0 U	mg/Kg	1.0	1	08/02/16 19:31	08/01/16	
Lead, Total	6010C	5.0 U	mg/Kg	5.0	1	08/02/16 19:31	08/01/16	
Mercury, Total	7471B	0.033 U	mg/Kg	0.033	1	08/05/16 13:49	08/05/16	
Potassium, Total	6010C	200 U	mg/Kg	200	1	08/02/16 19:31	08/01/16	
Selenium, Total	6010C	1.0 U	mg/Kg	1.0	1	08/02/16 19:31	08/01/16	
Silver, Total	6010C	1.0 U	mg/Kg	1.0	1	08/02/16 19:31	08/01/16	
Sodium, Total	6010C	100 U	mg/Kg	100	1	08/02/16 19:31	08/01/16	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Solid

Service Request: R1607928 Date Analyzed: 08/02/16 - 08/05/16

Lab Control Sample Summary Inorganic Parameters

Units:mg/Kg Basis:As Received

Lab Control Sample R1607928-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total	6010C	3.59	4.0	90	80-120
Barium, Total	6010C	194	200	97	80-120
Cadmium, Total	6010C	4.70	5.00	94	80-120
Chromium, Total	6010C	19.2	20.0	96	80-120
Lead, Total	6010C	47.4	50.0	95	80-120
Mercury, Total	7471B	0.145	0.167	87	80-120
Potassium, Total	6010C	1820	2000	91	80-120
Selenium, Total	6010C	85.7	101	85	80-120
Silver, Total	6010C	4.54	5.0	91	80-120
Sodium, Total	6010C	1850	2000	93	80-120

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Water

Service Request: R1607928 Date Analyzed: 08/02/16 - 08/09/16

Lab Control Sample Summary Inorganic Parameters

Units:ug/L Basis:NA

Lab Control Sample R1607928-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total	6010C	36.9	40	92	80-120
Barium, Total	6010C	1920	2000	96	80-120
Cadmium, Total	6010C	47.4	50.0	95	80-120
Chromium, Total	6010C	188	200	94	80-120
Lead, Total	6010C	475	500	95	80-120
Mercury, Total	7470A	0.984	1.00	98	80-120
Potassium, Total	6010C	17900	20000	90	80-120
Selenium, Total	6010C	929	1010	92	80-120
Silver, Total	6010C	45.5	50	91	80-120
Sodium, Total	6010C	18200	20000	91	80-120



General Chemistry

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Analytical Report **Client:** ARCADIS U.S., Inc. **Project:** DCAP/B000130.0001 Sample Matrix: Water Sample Name: Method Blank Lab Code: R1607928-MB1

Inorganic Parameters

Service Request: R1607928 Date Collected: NA Date Received: NA

Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.0050 U	mg/L	0.0050	1	07/30/16 22:24	
Chloride	9056A	0.20 U	mg/L	0.20	1	08/02/16 16:18	
Nitrate as Nitrogen	9056A	0.10 U	mg/L	0.10	1	08/02/16 16:18	
Nitrite as Nitrogen	9056A	0.10 U	mg/L	0.10	1	08/02/16 16:18	
Sulfate	9056A	0.20 U	mg/L	0.20	1	08/03/16 17:37	

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1607928Project:DCAP/B000130.0001Date Collected:NASample Matrix:SolidDate Received:NASample Name:Method BlankBasis:As ReceivedLab Code:R1607928-MB2As ReceivedAs Received

Inorganic Parameters

							Date	
Analyte Name	Analysis Method	Result	Units	MRL	Dil.	Date Analyzed	Extracted	Q
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.96	mg/Kg	0.50	1	08/04/16 10:47	08/03/16	
Chloride	9056A	30 U	mg/Kg	30	1	08/10/16 23:20	08/10/16	
Nitrate as Nitrogen	9056A	10 U	mg/Kg	10	1	08/10/16 23:20	08/10/16	
Nitrite as Nitrogen	9056A	10 U	mg/Kg	10	1	08/10/16 23:20	08/10/16	
Sulfate	9056A	30 U	mg/Kg	30	1	08/10/16 23:20	08/10/16	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Solid

Service Request: R1607928 Date Analyzed: 08/04/16 - 08/10/16

Lab Control Sample Summary General Chemistry Parameters

Units:mg/Kg Basis:As Received

Lab Control Sample R1607928-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	48.5	50.0	97	69-142
Chloride	9056A	198	200	99	80-120
Nitrate as Nitrogen	9056A	98.3	100	98	80-120
Nitrite as Nitrogen	9056A	90.8	100	91	80-120
Sulfate	9056A	192	200	96	80-120

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0001Sample Matrix:Water

Service Request: R1607928 Date Analyzed: 07/31/16 - 08/03/16

Lab Control Sample Summary General Chemistry Parameters

Units:mg/L Basis:NA

Lab Control Sample R1607928-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Ammonia as Nitrogen, undistilled	ASTM D6919-09	0.468	0.500	94	90-110
Chloride	9056A	2.04	2.00	102	80-120
Nitrate as Nitrogen	9056A	0.974	1.00	97	80-120
Nitrite as Nitrogen	9056A	1.02	1.00	102	80-120
Sulfate	9056A	1.94	2.00	97	80-120

Service Request No:R1608759



Raymond Kapp ARCADIS U.S., Inc. 17-17 Route 208 North 2nd Floor Fair Lawn, NJ 07410

Laboratory Results for: DCAP

Dear Raymond,

Enclosed are the results of the sample(s) submitted to our laboratory August 18, 2016 For your reference, these analyses have been assigned our service request number **R1608759**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and ALS Environmental is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s) for analysis of these samples, and represented by Laboratory Control Sample control limits. Any events, such as QC failures, which may add to the uncertainty are explained in the report narrative.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Lisa.Reyes@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

1 Reges

Lisa Reyes Project Manager



Narrative Documents

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Client: ARCADIS U.S., Inc. Project: DCAP/B000130.0004 Sample Matrix: Solid Service Request:R1608759 Date Received:8/18/16

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples designated for Tier IV, validation deliverables including all summary forms and associated raw data. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Any parameters that are not included in the lab's NELAC accreditation are identified on a "Non-Certified Analytes" report in the Miscellaneous Forms Section of this report. Individual analytical results requiring further explanation are flagged with qualifiers and/or discussed below. The flags are explained in the Report Qualifiers and Definitions page in the Miscellaneous Forms section of this report.

Sample Receipt

Two solid samples were received for analysis at ALS Environmental on 08/18/2016. Any discrepancies noted upon initial sample inspection are noted on the cooler receipt and preservation form included in this data package. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq 6^{\circ}$ C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Semi-Volatile Organic Analyses:

No significant anomalies were noted with this analysis.

Lkey Approved by Date 9/13/2016 \sim



SAMPLE DETECTION SUMMARY

CLIENT ID: SRT-7	Lab ID: R1	608759-	001			
Analyte	Results	Flag	MDL	PQL	Units	Method
2-Propanol	45000			10000	ug/Kg	8015C



Sample Receipt Information

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SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	CLIENT SAMPLE ID	<u>DATE</u>	TIME
R1608759-001	SRT-7	8/17/2016	1350
R1608759-002	SRT-8	8/17/2016	1410

ALS Environmental

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City, State, Zip: FAIRLAWN,	NJ Empail: ray	mond, E	Kapp@arcoc	lis, com	r of	hai					
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If out of Te &Client A All samples b 5035 samples Cooler Brea 1. W 2. D 3. W 4. W 5. A Explain an pH ≥12 ≤2 ≤2 <4 Residual	emperature, pproval to R heid in storag s placed in storag s placed in storag akdown: Dat /ere all bottle la /ere correct cc /ere 5035 vial. ir Samples: C y discrepanci Reagent NaOH HNO ₃ H ₂ SO4 NaHSO4 For CN	note pa un San e locati orage lo labels c bels ano ntainer s accep assettes es: Yes	ncking/ nples: on: ocation omplet d tags a s used : table (n s / Tube	/ice cond /ice cond /ice // // // // // // // // // // // // //	Lition:	Appr by by ervation aperson d? cation Exp	oval	Lee me Clier 2) te.)?	Ited nt awar on on wrized ID	Poor re at drop	Tedlar	ked Client n at at nC NC NC B Bags Added	Sotified b	Final	N/A N/A Yes= samp No=! were preso The listed	All les OK Samples rved at ab as
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If out of Te &Client A All samples b 5035 samples Cooler Brea 1. W 2. D 3. W 4. W 5. A Explain an pH ≥12 ≤2 <4 Residual Chlorine (-)	emperature, pproval to R heid in storag s placed in storag akdown: Dat /ere all bottle la /ere correct cc /ere 5035 vial. ir Samples: C y discrepanci Reagent NaOH HNO ₃ H ₂ SO ₄ NaHSO ₄ For CN Phenol and 522 Na ₂ S ₂ O ₃ ZnAcetate	note pa un San e locati orage lo labels c bels ano ntainer s accep assettes es: Yes	ncking/ nples: on: ocation omplet d tags a s used : table (n s / Tube No	/ice cond /ice cond // // // // // // // // // // // // //	Lition:	Appr by by ervation apers d? cation Exp	oval	Icc me Clier 2) tc.)? s Press ample 1 *Not to	Ited Ited on on on wrized ID b be tes	Poor re at drop	re analy	ked Client n at at NC NC B Bags Added	Sotified b	ame Da y: Final pH and	N/A N/A Yes= samp No=! were prese The listed PM (Adju	All les OK Samples rved at ab as l DK to st:

Other Comments:

CLRESBULKDOFLDTHPRODHGFBHTRLL3541PHSUBSO3MARRSALSREV

FCS . PC Secondary Review:

*significant air bubbles: VOA > 5-6 mm : WC >1 in. diameter

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P:\INTRANET\QAQC\Forms Controlled\Cooler Receipt r12.doc



Miscellaneous Forms

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S Environmental

REPORT QUALIFIERS AND DEFINITIONS

- U Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.
- J Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Arclors).
- B Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.
- E Inorganics- Concentration is estimated due to the serial dilution was outside control limits.
- E Organics- Concentration has exceeded the calibration range for that specific analysis.
- D Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.
- * Indicates that a quality control parameter has exceeded laboratory limits. Under the õNotesö column of the Form I, this qualifier denotes analysis was performed out of Holding Time.
- H Analysis was performed out of hold time for tests that have an õimmediateö hold time criteria.
- # Spike was diluted out.

- + Correlation coefficient for MSA is <0.995.
- N Inorganics- Matrix spike recovery was outside laboratory limits.
- N Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
- S Concentration has been determined using Method of Standard Additions (MSA).
- W Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
- P Concentration >40% (25% for CLP) difference between the two GC columns.
- C Confirmed by GC/MS
- Q DoD reports: indicates a pesticide/Aroclor is not confirmed (×100% Difference between two GC columns).
- X See Case Narrative for discussion.
- MRL Method Reporting Limit. Also known as:
- LOQ Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
- MDL Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
- LOD Limit of Detection. A value at or above the MDL which has been verified to be detectable.
- ND Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester I	Lab ID	# for State	Certifica	ation	S^1	
	14.) T	тт	

Connecticut ID # PH0556	Maine ID #NY0032	New Hampshire ID #
Delaware Accredited	Nebraska Accredited	294100 A/B
DoD ELAP #65817	New Jersey ID # NY004	Pennsylvania ID# 68-786
Florida ID # E87674	New York ID # 10145	Rhode Island ID # 158
Illinois ID #200047	North Carolina #676	Virginia #460167

¹ Analyses were performed according to our laboratoryø NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to http://www.alsglobal.com/en/Our-Services/Life-Sciences/Environmental/Downloads/North-America-Downloads

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
М	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a
	substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but
	greater than or equal to the MDL.

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0004

Non-Certified Analytes

Certifying Agency: New York Department of Health

Method	Matrix	Analyte
8015C	Solid	2-Ethoxyethyl Acetate
8015C	Solid	2-Propanol
8015C	Solid	gamma-Butyrolactone (GBL)
8015C	Solid	n-Butyl Acetate

Analyst Summary report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0004

Service Request: R1608759

Sample Name:SRT-7Lab Code:R1608759-001Sample Matrix:Solid

Date Collected: 08/17/16 **Date Received:** 08/18/16

Date Received: 08/18/16

Analysis Method		Extracted/Digested By	Analyzed By
8015C		AMOSES	AMOSES
Sample Name:	SRT-8	Dat	e Collected: 08/17/16

Sample Name:SK1-8Lab Code:R1608759-002Sample Matrix:Solid

Extracted/Digested By AMOSES

Analyzed By AMOSES

Analysis Method 8015C



The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9014 Cyanide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Reactivity	SW846 Ch7, 7.3.4.2
9034 Sulfide Acid	9030B
Soluble	
9056A Bomb (Halogens)	5050A
9066 Manual Distillation	9065
SM 4500-CN-E Residual	SM 4500-CN-G
Cyanide	
SM 4500-CN-E WAD	SM 4500-CN-I
Cyanide	

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation
	Method
6010C	3050B
6020A	3050B
6010C TCLP (1311)	3005A/3010A
extract	
6010 SPLP (1312) extract	3005A/3010A
7196A	3060A
7199	3060A
9056A Halogens/Halides	5050
-	
300.0 Anions/ 350.1/	DI extraction
353.2/ SM 2320B/ SM	
5210B/ 9056A Anions	

For analytical methods not listed, the preparation method is the same as the analytical method reference.

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Sample Results

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Semivolatile Organic Compounds by GC

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Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1608759
Project:	DCAP/B000130.0004	Date Collected: 08/17/16 13:50
Sample Matrix:	Solid	Date Received: 08/18/16 09:20
Sample Name:	SRT-7	Units: ug/Kg
Lab Code:	R1608759-001	Basis: As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol	45000	10000	1	08/22/16 21:23	8/22/16	
n-Butyl Acetate	10000 U	10000	1	08/22/16 21:23	8/22/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/22/16 21:23	8/22/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/22/16 21:23	8/22/16	
Surrogate Name		% Rec	Control	Limits Date An	alyzed Q	
2-Hexanone		94	70 - 1	130 08/22/10	5 21:23	

Analytical Report

Client:	ARCADIS U.S., Inc.	Service Request: R1608759
Project:	DCAP/B000130.0004	Date Collected: 08/17/16 14:10
Sample Matrix:	Solid	Date Received: 08/18/16 09:20
Sample Name:	SRT-8	Units: ug/Kg
Lab Code:	R1608759-002	Basis: As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol	10000 U	10000	1	08/22/16 21:54	8/22/16	
n-Butyl Acetate	10000 U	10000	1	08/22/16 21:54	8/22/16	
2-Ethoxyethyl Acetate	10000 U	10000	1	08/22/16 21:54	8/22/16	
gamma-Butyrolactone (GBL)	50000 U	50000	1	08/22/16 21:54	8/22/16	
Surrogate Name		% Rec	Control	Limits Date Ar	nalyzed Q	
2-Hexanone		94	70 - 1	130 08/22/1	6 21:54	



QC Summary Forms

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Semivolatile Organic Compounds by GC

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ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Service Request: R1608759

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0004Sample Matrix:Solid

SURROGATE RECOVERY SUMMARY

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:8015CExtraction Method:Method

2-Hexanone						
Sample Name	Lab Code	70 - 130				
SRT-7	R1608759-001	94				
SRT-8	R1608759-002	94				
Method Blank	RQ1609908-01	96				
Lab Control Sample	RQ1609908-02	93				
Duplicate Lab Control Sample	RQ1609908-03	96				

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0004Sample Matrix:Solid

Service Request: R1608759 Date Analyzed: 08/22/16 19:51 Date Extracted: 08/22/16

Method Blank Summary

Nonhalogenated Semi Volatile Organics by GC

Sample Name:	Method Blank	Instrument ID:R-GC-60
Lab Code:	RQ1609908-01	File ID:I:\ACQUDATA\6890J\Data\082216\AM769.D\
Analysis Method:	8015C	Analysis Lot:511064
Prep Method:	Method	Extraction Lot:269187

This Method Blank applies to the following analyses.

Sample Name	Lab Code	File ID	Date Analyzed
Lab Control Sample	RQ1609908-02	I:\ACQUDATA\6890J\Data\082216\AM770.D\	08/22/16 20:22
Duplicate Lab Control Sample	RQ1609908-03	I:\ACQUDATA\6890J\Data\082216\AM771.D\	08/22/16 20:52
SRT-7	R1608759-001	I:\ACQUDATA\6890J\Data\082216\AM772.D\	08/22/16 21:23
SRT-8	R1608759-002	I:\ACQUDATA\6890J\Data\082216\AM773.D\	08/22/16 21:54

Analytical Report

Client:ARCADIS U.S., Inc.Service Request:R1608759Project:DCAP/B000130.0004Date Collected:NASample Matrix:SolidDate Received:NASample Name:Method BlankUnits:ug/KgRufe09908-01Basis:As Received

Nonhalogenated Semi Volatile Organics by GC

Analysis Method:	8015C
Prep Method:	Method

Prep Method: Method						
Analyte Name	Result	MRL	Dil.	Date Analyzed	Date Extracted	Q
2-Propanol	1000 U	1000	1	08/22/16 19:51	8/22/16	
n-Butyl Acetate	1000 U	1000	1 1	08/22/16 19:51	8/22/16	
2-Ethoxyethyl Acetate	1000 U	1000		08/22/16 19:51	8/22/16	
gamma-Butyrolactone (GBL)	5000 U	5000	1	08/22/16 19:51	8/22/16	
Surrogate Name		% Rec	Control 1	Limits Date A	nalyzed Q	
2-Hexanone		96	70 - 1	130 08/22/2	16 19:51	

QA/QC Report

Client:ARCADIS U.S., Inc.Project:DCAP/B000130.0004Sample Matrix:Solid

Service Request: R1608759 Date Analyzed: 08/22/16

Duplicate Lab Control Sample Summary Nonhalogenated Semi Volatile Organics by GC

Units:ug/Kg Basis:As Received

Analyte Name			Lab Control Sample RQ1609908-02		Duplicate Lab Control Sample					
					KQ1609908-03					
	Analytical Method	Result	Spike Amount	% Rec	Result	Spike ult Amount 9		% Rec % Rec Limits		RPD Limit
2-Propanol	8015C	8240	10000	82	7920	10000	79	43-156	4	30
n-Butyl Acetate	8015C	8810	10000	88	8660	10000	87	56-102	2	30
2-Ethoxyethyl Acetate	8015C	8490	10000	85	8110	10000	81	80-120	5	30
gamma-Butyrolactone (GBL)	8015C	8120	10000	81	8420	10000	84	80-120	4	30