AECOM Environment

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Schatz Federal Bearings
Poughkeepsie, New York
Periodic Review Report
(March 30, 2014 to March 30, 2017)
NYSDEC Site Number: 3-14-003

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Engineering Certification

I, Michael L. Spera, certify that I am currently a NYS registered professional engineer and that this Periodic Review Report covering the period of March 30, 2014 to March 30, 2017 for the Schatz Federal Bearings Site was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

Respectfully submitted,
AECOM Technical Services Northeast, Inc.

April 27, 2017

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Date

1.0 Executive Summary

1.1 Site History and Remedial Program

The Schatz Federal Bearings site (site) is located at 223-247 Van Wagner Road, approximately two miles northeast of downtown Poughkeepsie, Dutchess County, New York (Figure 1). The site was a wetland that was filled with approximately 125,000 cubic yards of municipal solid waste and industrial waste during the period of 1935 to 1973.

The capped area covers about five acres of a 22 acre site. The site rises from Van Wagner Road to a plateau surrounded by small hills leading to forested uplands and steep slopes leading to wetlands (Figure 2). Abandoned railroad tracks run along the southwest border of the property, which have been redeveloped by the Rails-to-Trails Conservancy program into a paved bicycle/pedestrian path. The surrounding area is sparsely developed with mixed residential and commercial use. Three residences are adjacent to the site, the nearest being approximately 100-feet east of the site boundary. All businesses and homes adjacent to the site are served by public water.

Results of sampling performed by the Dutchess County Health Department (DCHD) and the New York State Department of Environmental Conservation (NYSDEC) found groundwater, soil, sediment, and surface water to have measurable concentrations of contaminants, including chlorinated solvents, volatile organic compounds (VOCs), polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs), and metals in excess of background samples present on the site. NYSDEC documented that the landfill contained hazardous waste that presented a significant threat. The landfill was then classified as an inactive hazardous waste disposal site, and remedial activities began in 1973.

The following remedies are called for in a Record of Decision (ROD) that was amended in March of 1994:

- Removal of wastes with PCB concentrations exceeding 500 parts per million (ppm);
- Stabilization/solidification of slag waste;
- Waste consolidation of contaminated pond sediment, stabilized slag waste, and other outlying waste generated by Schatz to the central waste areas;
- Construction of an engineered cap and cover system that complies with NYSDEC 6 NYCRR Part 373 design requirements for a hazardous waste management facility;
- Installation of perimeter fencing and institutional controls; and
- Monitoring of on-site and off-site groundwater and stream sediments.

The Standards, Criteria and Goals (SCGs) as established in the ROD include groundwater and soil remediation to less than applicable state and federal guidelines and removal of wastes with PCB

concentrations exceeding 500 ppm. The remedial activities were conducted in conformance with the ROD, and the primary sources of contamination were removed or contained within the landfill.

1.2 Remedy Evaluation

The periodic review process is used for determining if a remedy continues to be properly managed as required by the approved guidance documents (Site Management Plan [SMP]), the operation, maintenance, and monitoring [OM&M] plans, and ROD) and is protective of human health and the environment. This Periodic Review Report (PRR) covers the certification period between March 30, 2014 and March 30, 2017. Metals remain distributed across the site in groundwater at concentrations exceeding the applicable standards; although the more recent sampling in 2016 suggests many of the exceedances may be due to the high turbidity in the monitoring wells.

Overall, the remedy is performing properly and is effective; however, monitoring of the site should continue to verify that the decreasing contaminant trends continue until site cleanup goals are met.

Total costs for performing the required monitoring and reporting is approximately $24,000 per year.

Due to continuing exceedances of New York State Ambient Water Quality Standards (AWQS) for select contaminants in the site groundwater, groundwater monitoring should continue. Both unfiltered and filtered samples should be collected from each monitoring well going forward. Due to the issue with the turbidity of the monitoring wells, the SMP will be updated to require low-flow sampling per EPA's Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures (EPA/540/S-95/504). Additionally, during the next site visit, a site reconnaissance will be completed in the area of the ponds to further evaluate the results of the March 2016 surface water and sediment sampling. This will include locating likely areas of surface runoff from the nearby rail trail as well as locations and sources of drain pipes.

2.0 Site Overview

The Schatz Federal Bearings site (site) is located on Van Wagner Road, approximately two miles northeast of downtown Poughkeepsie, Dutchess County, New York (Figure 1). The capped waste covers about five acres of a 22 acre site that includes forested uplands and wetlands (Figure 2). Abandoned railroad tracks run along the southwest border of the property, which have been redeveloped by the Rails-to-Trails Conservancy program into a paved bicycle/pedestrian path. The surrounding area is sparsely developed with residential and commercial usage. Three residences are adjacent to the site, the nearest being approximately 100-feet east of the site boundary. All businesses and homes adjacent to the site are served by public water. The Dutchess County Sanitation (FICA) landfill, a Class 2 Inactive Hazardous Waste Site, is located approximately 0.5 miles northeast of the site.

The site was originally a wetland that was filled by waste disposal and transfer of soils from surrounding upland areas. Disposal occurred from 1935 to 1973 and includes approximately 125,000 cubic yards of mixed industrial and municipal waste. A major contributor of the waste was Schatz Federal Bearing Co., operators of the site from 1949 until 1973. The wastes included grinding sludge, metal filings, broken grinding wheels, metal washers, twine, burlap, solvents, coolants, and saw dust mixed with oils. On the western/northern portion of the site, bedrock was stripped and exposed along access roads. Portions of rusted drums were visible in ponds. PCBs were detected in both the landfill and in ponds.

After disposal was discontinued and the site area was covered in 1973, personnel from the Dutchess County Health Department and the NYSDEC periodically inspected the site and collected samples. Concern was raised over potential for migration of contaminants into nearby groundwater wells and into Casper Creek, which eventually discharges into the Hudson River.

The site is generally covered in a veneer of soils deposited in association with the retreating glaciers and subsequent depositional processes. The soils range in thickness from absent in areas of the bedrock outcrop to depths reaching greater than 100 feet below ground surface (bgs). Soil and sediments range from clay and silt to gravel, but little information is available regarding their deposition into beds or discrete deposits. Post glacial alteration and deposition has been significant in portions of the site, mainly low lying areas which contain ponds, or stream channels. Bedrock outcrop is present on both the north and south portions of the site. Bedrock is present in low slopes of highly weathered, moderately competent Phyllite with two knobs of more competent outcrop forming low hills on the north side of the site. Available data and records suggest that groundwater flow is to the southwest.

VOCs, PAHs, PCBs, and metals including arsenic, cadmium, lead, barium, chromium, and zinc were detected at elevated concentrations in the site soil and sediment from ponded areas. The shallow groundwater from wells completed in the soil was found to be contaminated with elevated concentrations of VOCs, PCBs, and metals including barium, chromium, and zinc. The deep groundwater sampled from wells completed in bedrock was found to be contaminated with VOCs and low concentrations of PCBs and metals including barium, cadmium, chromium, lead, mercury, and zinc. The primary contaminants identified at the site were benzo(a)pyrene, bis(2-ethylhexyl)phthalate,

1,1-dichloroethene, 1,1-dichloroethane, 1,1,1-trichloroethane, PCBs, vinyl chloride, arsenic, barium, cadmium, chromium, lead, mercury, and zinc.

According to the ROD, the remedial investigation (RI) indicated little or no impact to human health or the environment beyond the site boundaries at that time; however, contamination on-site and the threat of off-site contaminant migration did create the potential for adverse effects. The primary exposure routes associated with the contaminants have been identified as inhalation, ingestion, and dermal contact of groundwater contamination through private and public water supplies.

In March 2009, the NYSDEC reclassified the Schatz Federal Bearings Site, ID No. 3-14-003, from a Class 2 site to a Class 4 site meaning that the site has been properly closed but requires continued site management consisting of OM&M.

AECOM Technical Services Northeast, Inc. (AECOM) has prepared this PRR, covering the certification period from March 30, 2014 to March 30, 2017, in order to evaluate the overall effectiveness of the remedies chosen and implemented at the site.

2.1 Objectives of the Periodic Review

The periodic review process is used for determining if a remedy continues to be properly managed, as set forth in the Site Management Plan (SMP), and continues to protect human health and the environment. The objectives of the periodic review (PR) for sites in the State Superfund Program (SSF) are as follows:

- Evaluate compliance with the decision document(s) and, if available, the SMP.
- Evaluate all treatment units, and recommend repairs or changes, if necessary.
- Evaluate the condition of the remedy.
- Evaluate whether mandated Institutional Controls (ICs) are in place, and that required Engineering Controls (ECs) are working and effective.
- Evaluate costs.

2.2 Remedial History

A Remedial Investigation/Feasibility Study (RI/FS) was completed between July 1986 and September 1988 to identify the sources of contamination and determine the nature and extent of the contamination. The RI/FS includes assessment of the risks to the public and to the environment, as well as an evaluation of alternatives for reducing and/or eliminating those risks. The RI included examination of available background information and extensive field investigation to determine the current conditions at the site. The field investigation program included collection and analysis of surface soil, surface water, pond sediments, test pits, and groundwater samples. Glacial soil and bedrock aquifer monitoring wells were installed to analyze site groundwater. Private wells located offsite were sampled both up-gradient and down-gradient from the site. The results of the RI identified several contamination problems.

- The site contained an estimated 124,000 yd^3 of waste material from four primary waste areas including manufacturing waste (90,000 yd^3), municipal waste (24,000 yd^3), slag waste (5,000 yd^3), and sediment in on-site ponds (5,000 yd^3).

- Soil and on-site pond sediments were contaminated with VOCs, PAHs, PCBs, and metals including arsenic, cadmium, lead, barium, chromium, and zinc.

- The glacial soil aquifer was found to be contaminated with VOCs and metals including barium, chromium, and zinc.

- The bedrock aquifer was found to be contaminated with VOCs, PCBs, and metals including barium, cadmium, chromium, lead, mercury, and zinc.

- Contaminants may have migrated off-site via the bedrock aquifer and surface runoff. Groundwater movement is in a southerly direction, and some private wells both up-gradient and down-gradient of the site were found to contain detectable concentrations of contaminants, possibly emanating from the site.

A ROD was issued in March 1989 calling for extraction and treatment of contaminated groundwater using air stripping, carbon adsorption, and chemical precipitation treatment, with reinjection of treated water into the source aquifer; excavation of the municipal waste, backfilling the excavated area with clean fill to above the water table, installation of a liner system, returning the waste above the liner and capping with an impermeable landfill cap and cover system; excavation of the Schatz and slag waste and on-site sediments, stabilization/solidification of these wastes, backfilling of the treated waste to the excavated area, and installation of a low permeability soil cap and cover system. Additional design support activities were called for to assess the feasibility and effectiveness of the selected remedies including further definition of the waste areas, additional groundwater monitoring, and treatability studies.

After the ROD was issued, a Remedial Design Study began in October 1989. In order to address design support testing, nine groundwater testing/monitoring wells were installed to provide sampling points for further characterization of the soil and bedrock aquifers. The wells were constructed as two extraction wells, one recharge well, and six observation wells used to conduct two aquifer pumping tests; one in the bedrock aquifer and one at the bedrock/soil interface.

Six new bedrock monitoring wells were installed both up-gradient and down-gradient of the site to provide monitoring points for analysis of contaminant migration from the site. Ten on-site soil borings were completed to further define the vertical and lateral extent of the waste material.

A total of 24 samples were collected from wells and analyzed for target compound list (TCL) and/or water quality parameters to assess the nature and extent of contamination and assist in the design processes for groundwater treatment. In addition, water quality data were compared to previous sampling events to assess contaminant trends through time.

A total of 163 surficial soil samples (0 to 14 inches) were collected outside of the delineated waste area to verify the limits of contamination. The samples were analyzed for lead and chromium which were determined to be indicative of Schatz waste.

A total of 25 test pits were excavated on-site. Thirteen test pits were excavated up to 12-feet in depth within various waste areas. Twelve additional test pits were excavated up to a depth of seven feet to further define the lateral and vertical extent of the Schatz waste area. Composite samples were collected of each waste type and used to conduct treatability studies for the stabilization/solidification process.

A Remedial Design Support Report for Task 1 was issued in July 1992 summarizing the results from the activities described above. Based in part on this supplemental design data, NYSDEC recommended an amendment to the 1989 ROD. The major conclusions of the 1992 report include the following:

- Concentrations of contaminants detected in the groundwater samples collected during the Remedial Design Study were generally significantly less than those concentrations detected during the 1988 RI. The remedial design study results for VOC concentrations indicate a 33% reduction compared to the 1988 RI results.

- ROD cleanup goals were exceeded only by a relatively small number of surficial soil samples for lead and chromium and by groundwater samples from six of the wells for 1,1-dichloroethane, 1,1,1-trichloroethane, 1,1-dichloroethene, and vinyl chloride. These monitoring wells are located in the central waste area or in the southern (down-gradient) portion of the site.

- No contaminants were detected in samples collected from off-site groundwater monitoring wells.

- Aquifer testing indicated that additional recharge and extraction wells would be required to effectively capture the contamination due to lower than predicted well yields.

- Groundwater modeling studies estimated between 7 and 10 years would be required to remove the most widespread site contaminant, 1,1-dichloroethane, and as much as 30 years to remove 1,1,1-trichloroethane to health-based levels from the aquifer.

- Groundwater treatability data indicated that the use of activated carbon alone, rather than combined air stripping and carbon adsorption, will remediate organic groundwater contaminants associated with the site.

- Surficial soil and soil boring data confirmed the waste boundaries delineated in the 1988 RI. Data from soil borings and surface soil samples confirmed an additional 4,000 cubic yards of Schatz waste was present east of the municipal waste area adjacent to an onsite pond.

- Based on solidification and stabilization treatability testing of the three waste types present at the site, only inorganics, including cadmium, chromium, lead, and zinc, showed a reduction in leachable contaminants when subjected to this process. Lead, however, was the only inorganic of concern since it was the only contaminant, when left untreated, leached at levels exceeding regulatory criteria. Organic contaminants did not leach from any waste samples at concentrations exceeding regulatory levels, treated or untreated.

- Although elevated concentrations of several contaminants existed in on-site soils, these contaminants were determined to not pose a significant threat to terrestrial organisms.

However, sediment data indicated that significant bioaccumulation of PCBs was occurring. Based on those data, it was recommended that sediments be remediated in the two small ponds along the southwestern edge of the site to concentrations that are protective of wildlife.

An amendment to the 1989 ROD was issued in March 1994 indicating that solidification and stabilization of the Schatz waste and landfilling of the municipal wastes would no longer be applicable. This eliminated the need for most waste excavation and handling activities. The groundwater pump and treat alternatives as proposed in the 1989 ROD were determined to be unnecessary because VOC concentrations were decreasing with time, and off-site migration was not evident. The following remedial activities were set forth in the March 1994 amendment to the ROD:

- Removal and off-site disposal of wastes with PCB concentrations exceeding 500 ppm.
- Stabilization/solidification of metal-bearing slag wastes.
- Consolidation of the various waste types (pond sediments, stabilized slag waste, municipal waste, and outlying Schatz waste) to the central waste area, including waste material with PCB concentrations between 1 and 50 ppm.
- Construction of an engineered cap and cover system for the waste mass which conforms to the hazardous waste landfill requirements.
- Site access control (perimeter fencing) and institutional controls.
- Long-term groundwater monitoring; on-site groundwater had levels of VOCs and metals which exceeded regulatory limits; however, data showed that groundwater outside the site boundary showed no contaminants associated with the site. All businesses and homes adjacent to the site are served by public water. As part of the long-term environmental monitoring, additional monitoring wells were installed. Monitoring wells and stream sediments were to be monitored annually to ensure that off-site contaminant migration is not occurring. The following cleanup concentrations or standards, criteria, and guidelines (SCGs) were identified in the 1994 ROD amendment based on 6 NYCRR Part 703.5 and 10 NYCRR Part 5 groundwater quality standards.
    - Benzo(a)pyrene – Non-detect
    - Bis(2-ethylhexyl)phthalate – 50 µg/L
    - 1,1-Dichloroethene – 5 µg/L
    - 1,1-Dichloroethane – 5 µg/L
    - 1,1,1-Trichloroethane – 5 µg/L
    - Polychlorinated biphenyls – 0.1 µg/L
    - Vinyl Chloride – 2 µg/L
    - Arsenic – 25 µg/L
    - Barium – 1,000 µg/L
    - Cadmium – 10 µg/L
    - Chromium – 50 µg/L
    - Lead – 25 µg/L
    - Mercury – 2 µg/L
    - Zinc – 300 µg/L

Remediation was performed pursuant to the NYSDEC 1994 ROD amendment. PCB waste identified with concentrations in excess of 500 ppm was excavated and removed from the site for disposal. Remaining waste materials were placed under an engineered cap and cover system and stabilized for on-site disposal. A lime stabilization process was utilized to minimize the potential for contaminant leaching, and an engineered cap and cover system was constructed to eliminate contact with the waste. The cap and cover system was designed to control infiltration by promoting runoff and diverting storm water through a system of ditches and drains. The remedial action was completed in 1997. According to Site records, in 1997 twelve monitoring wells located on and off-site were decommissioned. NYSDEC Region 3 Operations in New Paltz periodically brush hogs the landfill cap to prevent deep rooted plants from penetrating the cap, repairs the perimeter fence, and performs other maintenance. NYSDEC had been maintaining the site and performed monitoring events (2000 through 2003) following completion of the remedial activities. In 2004, NYSDEC contracted Earth Tech Northeast, Inc. (now AECOM) to perform site maintenance and monitoring.

3.0 Evaluate Remedy Performance, Effectiveness, and Protectiveness

The site has been maintained, and monitoring events have been performed (2000 through 2016) following completion of the remedial activities. A Long-Term Monitoring Plan for the site completed by NYSDEC in December 2004 was located during a site record search; however, it does not appear to have been implemented. In 2004, Earth Tech (now AECOM) completed an OM&M Plan while accepting responsibility to perform site inspections and monitoring. The 2004 OM&M Plan was the most recent implemented for the site. In 2008, AECOM submitted a draft SMP to NYSDEC that defined the objectives for site monitoring requirements and outlined site maintenance requirements. The site inspections and groundwater monitoring performed at the site between 2008 and 2011 were completed in general accordance with the 2008 SMP. An updated SMP was submitted to NYSDEC in February 2012 then later revised in January and April 2014. The site inspections and groundwater monitoring performed at the site in 2013 and subsequent years were completed in general accordance with the updated SMP.

Some of the parameters identified in the ROD for monitoring differ from those identified in the NYSDEC authored 2004 Long-Term Monitoring Plan. Table 1 summarizes the chemicals of concern (COCs) from each of these documents as well as the parameters analyzed during each of the monitoring events between 2000 and 2016.

3.1 Operation, Maintenance, and Monitoring Plan Compliance Report

3.1.1 Confirm Compliance with the OM&M Plan

The 2004 OM&M Plan was developed for multiple sites and did not address required site maintenance for the Schatz Federal Bearings site, but the 2008 and 2014 SMPs outline recommendations for site maintenance requirements. The 2008 SMP indicated a site inspection to be conducted quarterly for a period of three years with a landfill inspection form completed detailing the observations. The 2014 SMP requires a site inspection to be conducted semi-annually. It was recommended that specific areas of the inspection include the following at a minimum:

- Site security and restrictions to access (e.g., site fencing, perimeter signs, berms, and gates);
- Cap integrity (e.g., standing water, deep rooting vegetation, stressed vegetation, settling, erosion, leachate outbreaks, burrowing animals);
- Perimeter ditch condition (e.g., erosion, ponding, damming, sedimentation, breaches);
- Monitoring well network condition (e.g., identification, accessibility, physical damage, missing components, security, and infestation); and
- Groundwater interceptor trench condition (e.g., flow at outlet and physical integrity).

Site inspections completed between August 2014 and March 2016 verified that the cap was well maintained, and the perimeter fencing and signage was intact. The inspection scheduled for winter 2016/2017 was delayed on several occasions due to poor weather conditions including significant snow cover, prohibiting inspection of cap integrity. This inspection will be completed during spring 2017 when wet site conditions are expected. No issues were found with the monitoring well network during the site inspections. All wells were found to be in good condition. Site and monitoring well inspection logs are included as Appendix A as well as a photo logs from the site inspections.

Pursuant to the 2008 and subsequent SMPs, groundwater quality at each of the site monitoring wells is to be monitored until concentrations of contaminants are less than the established remedial goals. Groundwater sampling of the site's monitoring well network for metals and VOCs was completed in December 2014 and March 2016 during this certification period. A Groundwater Monitoring Report evaluating the results of the site monitoring from these two events and assessing whether this remedy is performing effectively was submitted in November 2016. Results of this monitoring performed to date are discussed in Section 3.1.2, and data are presented in Tables 2 and 3.

As summarized in Table 1, the groundwater monitoring has not always been consistent with the COCs identified in the ROD. Many of the exceedances of the New York State Ambient Water Quality Standards (NYS AWQS) or Guidance Values (GVs) have been for iron, manganese, and sodium, which were not identified as COCs in the ROD. These have not been reported in this PRR.

Activity	Required Frequency		Compliance Dates
	Semi-Annual	15 Months	
Groundwater Sampling		X	December 2014, March 2016
Cap Inspection	X		August 2014; April 2015; December 2015; March 2016
Security Verification	X		August 2014; April 2015; December 2015; March 2016
Perimeter Ditch and Interceptor Trench Inspection	X		August 2014; April 2015; December 2015; March 2016
Monitoring Well Network Inspection	X		August 2014; April 2015; December 2015; March 2016

3.1.2 Confirm that Performance Standards are Being Met

3.1.2.1 Groundwater

Monitoring Wells S-4 and S-5 were not sampled during the 2014 or 2016 sampling events because of insufficient water in the wells, supporting that the cover continues to effectively prevent water seepage into the landfilled waste.

Concentrations of site metals are generally consistent with previous sample results (see Figure 4 through Figure 10 and Table 2), although a peak was observed for several of these metals in the monitoring wells after the 2010 monitoring event. These elevated levels may be attributed to higher turbidity levels in some of the samples. With the exception of lead in monitoring wells S-2 and S-3, all had declined to below or near the respective New York State (NYS) Ambient Water Quality Standards (AWQS) (TOGS 1.1.1) during the 2016 monitoring event.

Consistent with previous sampling results, there were no exceedances of the respective AWQS for monitoring wells B-1, B-2, B-3, S-8, and S-9 during the 2014 or 2016 sampling events for the site metals. Metals that were found to exceed the AWQS in the other monitoring wells include the following:

- Arsenic was detected in site groundwater at concentrations exceeding the AWQS (25 µg/L) at three of the wells in 2014: B-4 (42.5 µg/L); S-1 (31.7 µg/L); and S-7 (33.1 µg/L). Arsenic was not detected at concentrations exceeding the AWQS in the 2016 samples.

- Cadmium was detected in site groundwater at concentrations exceeding the AWQS (5 µg/L) at three of the wells in 2014: B-4 (19.3 µg/L); S-1 (5.1 µg/L); and S-10 (13.4 µg/L). In 2016, cadmium was detected at a concentration exceeding the AWQS at S-10 (8.9 µg/L).

- Chromium was detected in site groundwater at concentrations exceeding the AWQS (50 µg/L) at three of the wells in 2014: B-4 (121 µg/L); B-5 (59.9 µg/L); and S-1 (55.8 µg/L). Chromium was not detected at concentrations exceeding the AWQS in the 2016 samples.

- Lead was detected in site groundwater at concentrations exceeding the AWQS (25 µg/L) at three of the wells in 2014: B-4 (133 µg/L); S-1 (88.3 µg/L); and S-7 (70.4 µg/L). In 2016, lead was detected at a concentration exceeding the AWQS at S-1 (25.8 µg/L).

The VOCs monitored in the site groundwater include vinyl chloride, chloroethane, 1,1-dichloroethane, 1,1-dichloroethene, and 1,1,1-trichloroethane. Concentrations of VOCs are generally consistent with previous sample results (see Table 3). Monitoring well B-3 was the only well with detectable levels of VOCs, with chloroethane detected at a concentration of 18 µg/L, exceeding the AWQS of 5 µg/L. 1,1-Dichloroethane was also detected in monitoring well B-3 at an estimated concentration of 2 µg/L (less than the AWQS of 5 µg/L).

3.1.2.2 Sediment and Surface Water from Ponded Areas

In March 2016, surface water and sediment samples were collected at six locations in the ponded areas along the west-southwest side of the landfill. Locations of these samples are shown on Figure 3. Sediment samples were collected and analyzed for TAL metals including mercury (Methods 6010B/7471A), polychlorinated biphenyls (PCBs) by Method 8082, and total organic carbon (Method 415.1/SM5310B). Surface water samples were collected and analyzed for TCL VOCs (Method 8260C) and TAL metals including mercury (Methods 6010B/7471A). Results of the surface water and sediment samples are provided in Tables 4 and 5, respectively.

The only VOC detected in the surface water samples was acetone, which is a common lab contaminant and was detected at low levels (estimated concentrations of 3 and 5 µg/L) in SW-3A and SW-3B. No other VOCs were detected above the method detection limit (MDL) of 10 µg/L.

For the site metals, arsenic and chromium were detected at estimated concentrations of 6.1 and 54.3 µg/L at SW-2A, respectively. All other samples were below the MDL for these analytes. Cadmium, lead, and zinc were detected at elevated concentrations in SW-2A, with other locations either being detected at lower levels or below the MDL (Table 4).

For the sediment samples, there is no clear spatial trend for the metals results, with the following maximum results for the site metals:

- Arsenic – maximum concentration of 54.2 mg/kg was detected in SED-3B.
- Cadmium – maximum concentration of 11.3 mg/kg was detected in SED-2B.
- Chromium – maximum concentration of 53.2 mg/kg was detected in SED-1A.
- Lead – maximum concentration of 628 mg/kg was detected in SED-1A.
- Mercury – maximum concentration of 0.33 mg/kg was detected in SED-2B
- Zinc – maximum concentration of 654 mg/kg was detected in SED-2B.

PCBs were detected above the MDL in one of the sediment samples, with an estimated concentration of 45 µg/kg detected in SED-3A for Aroclor 1254.

3.2 IC / EC Certification Plan Report

Institutional and engineering controls at the site currently consist of:

- Long-term monitoring of negatively impacted environmental media to provide the necessary data to determine the effectiveness of the remedy.
- Maintaining restricted access to the site through fencing and signage.
- An engineered cap and cover system to prevent contaminant migration from the landfill.
- A system of drainage ditches to control storm water and promote runoff.
- Land use restrictions.

3.2.1 IC / EC Requirements and Compliance

Determination of compliance with the IC\EC at the site is made based on the following criteria:

- The IC/EC(s) applied at the site are in place and as prescribed in the ROD. For the certification period from March 30, 2014 through March 30, 2017, the site conditions were as designed.

- Nothing has occurred that would impair the ability of such controls to protect the public health and the environment, or constitute a violation or failure to comply with any element of the SMP for such controls.

3.2.2 IC / EC Certification Forms

See Appendix B.

4.0 Evaluate Costs

4.1 Summary of Costs

The total annual costs for completion of all the required monitoring and reporting is approximately $24,000. Major cost components are allocated as follows:

- Long-term monitoring and reporting.....$16,200 (with analytical costs)
- Semi-Annual Inspections and associated reporting $7,300

These figures include all costs associated with the completion of monitoring including sampling, maintenance, reporting, and lab fees.

5.0 Conclusions and Recommendations

5.1 Conclusions

The PR process is used for determining if a remedy continues to be properly managed, as set forth in the SMP or the OM&M plans, and continues to be protective of human health and the environment. Metals remain detected on the site in groundwater at concentrations exceeding the applicable standards. Recent monitoring of groundwater suggests a decreasing trend for some of the metals and for the VOCs monitored on the site. PCBs have not been detected in the site groundwater or surface water however, and was only detected (at a low estimated concentration) in one of the six sediment samples collected in 2016. The estimated concentration (45 J µg/kg of Aroclor 1254 at SED-3A) is considered to be of low risk to aquatic life (Class A, less than 100 µg/kg; NYSDEC's 2014 *Screening and Assessment of Contaminated Sediment*). Therefore, PCBs will not be analyzed in the next round of sediment sampling.

The SCGs as established in the ROD include groundwater and soil remediation to less than applicable state and federal guidelines and removal of wastes with PCB concentrations exceeding 500 ppm. The remedial activities were conducted in conformance with the ROD, and the primary sources of contamination were removed or contained within the landfill.

The following ROD remedial elements were included in the March 1994 amendment.

5.1.1 Removal of PCB Wastes above 500 ppm

Soils with PCB concentrations exceeding 500 ppm were excavated and removed from the site as part of the remediation in 1997. PCBs were disposed of at a secure facility approved to receive this type of waste.

5.1.2 Stabilization/Solidification of Slag Waste

Treatability testing of the various waste types present at Schatz showed that only the untreated slag waste, shown to have high metals content, leached lead at levels which exceed TCLP regulatory limits. Lead was successfully treated using stabilization/solidification technology. Based on this data, the slag waste was stabilized prior to consolidation with the other waste types as part of the remediation in 1997.

5.1.3 Waste Consolidation

Prior to implementing the cover system for the site, the various waste types were consolidated into the central Schatz waste area as part of the remediation. Pond sediments, stabilized slag waste, municipal and other outlying Schatz waste were excavated and moved to the central waste area before the final cover application in June 1997.

5.1.4 Construction of a Landfill Cover

Once the waste was consolidated into a single contiguous area, an impermeable barrier was constructed over the waste mass to minimize infiltration of precipitation or surface water, thus

reducing the likelihood for leaching of contaminants into the groundwater. This was constructed in June 1997 as part of the remediation and complies with NYSDEC design requirements for a hazardous waste management facility (6 NYCRR Part 373). Long-term monitoring and maintenance as well as institutional controls, as discussed in the sections below, were required. Inspection of the cap integrity is discussed above in Section 3.1.1.

5.1.4.1 Perimeter Fencing and Institutional Controls

A fence was constructed around the perimeter of the Schatz Federal Bearing site to restrict access to contaminated areas following site remediation. A warning sign was posted during this reporting period along the perimeter fence to identify the nature of the hazard. All access points have locked gates. An institutional control in the form of an Environmental Notice was implemented on April 17, 2014 to ensure that contact with site-related contaminants does not occur. Section 3.1.1 discusses the inspection of the perimeter fencing, cap integrity, and conditions of drainage ditches that have been completed to address this during the current certification period.

5.1.4.2 Groundwater Monitoring

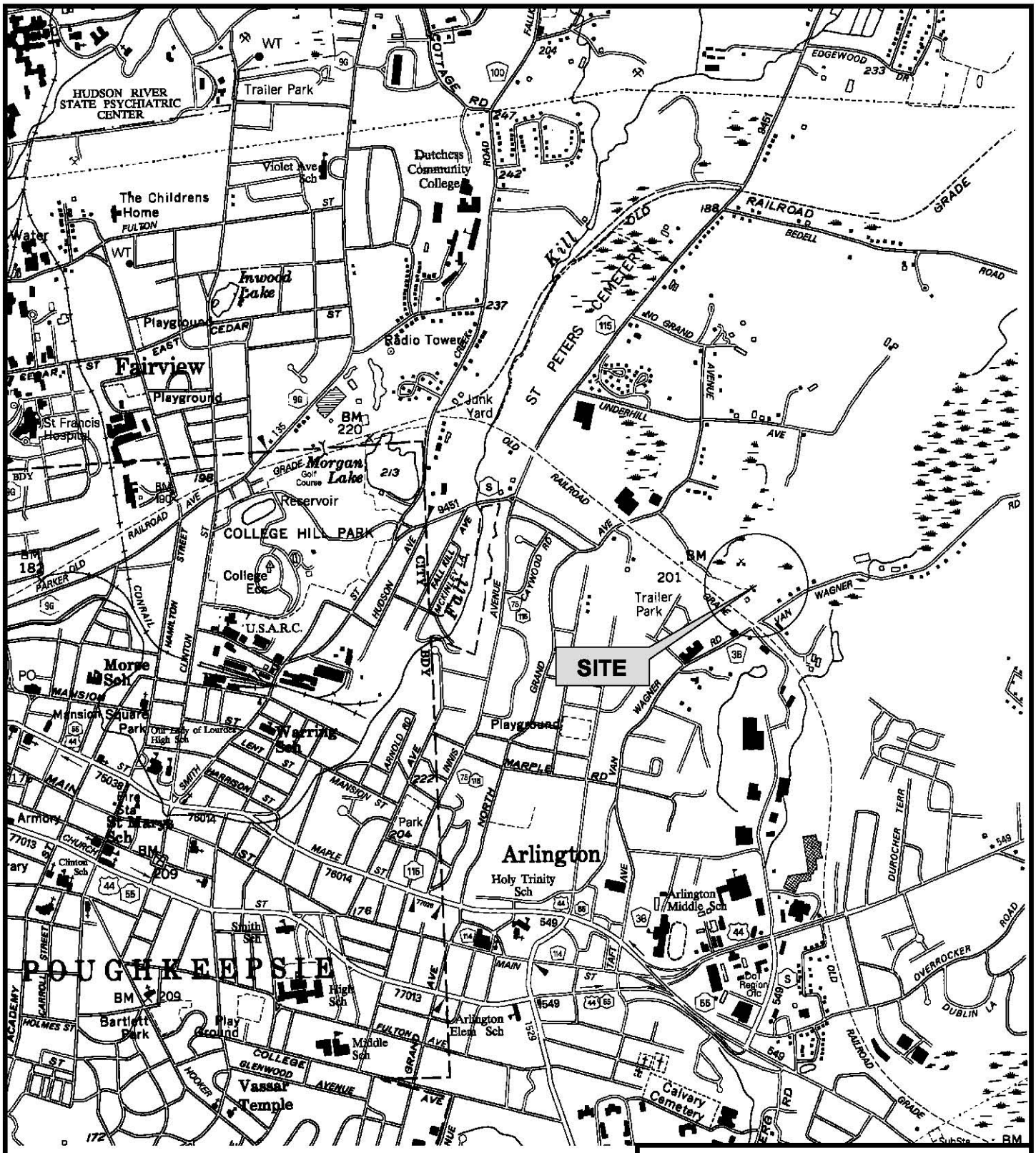
The SMP calls for sampling of groundwater monitoring wells every 15 months to ensure that off-site impacts are not occurring. Pond sediment is also to be monitored to evaluate any possible impacts. Section 3.1.2 discusses the monitoring that has been completed to address this during the current certification period. On-site groundwater has levels of VOCs and metals which still exceed regulatory limits. All businesses and homes adjacent to the site are served by public water.

5.2 Recommendations

Based on the PR, recommendations for the Schatz Federal Bearings site include the following:

- Continuing semi-annual site inspections including the drainage ditches, cap integrity, and site security;
- Continuing groundwater monitoring on a five-quarter basis from the current monitoring well network using low-flow sampling method;
- Laboratory analysis of filtered metals concentrations from the monitoring well network to account for elevated turbidity levels in the groundwater;
- Analyzing and reporting of the analytes as recommended in Table 1, which includes VOCs, cadmium, mercury, zinc, lead, arsenic, and chromium; and
- Monitoring sediment and surface water in ponded areas on a five-quarter basis;

Figures



UNITED STATES GEOLOGIC SURVEY
POUGHKEEPSIE QUADRANGLE
NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHY)

0' 1000' 2000' 4000'

AECOM

GROUNDWATER SAMPLING REPORT

FIGURE 1 - SITE LOCATION MAP

FORMER SCHATZ FEDERAL BEARINGS SITE

NYSDEC SITE No. 3-14-003

POUGHKEEPSIE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
	KAM	60133957	8-11-2010	1

Plotted By: MeisterK
Layout--Sheet Name: LAYOUT1
Plot File Date Created: Aug/11/2010 1:52 PM

Filename: L:\WORK\105988\CADD\2010\SCHATZ-SITE.DWG

Plotted By: Bookasr
Layout–Sheet Name: MW
Plot File Date Created: Sep/22/2016 8:56 AM

Filename: N:\MARKETING\PROPOSALS\NYSDEC – SCHATZ\SCHATZ-SITE.DWG

REFERENCE:
BASE MAPPING PHOTOGRAPH FROM NYS CLEARINGHOUSE. WELL LOCATIONS ARE APPROXIMATE.

0' 100' 200' 400'

AECOM

MONITORING WELL LOCATION MAP

FORMER SCHATZ FEDERAL BEARINGS SITE

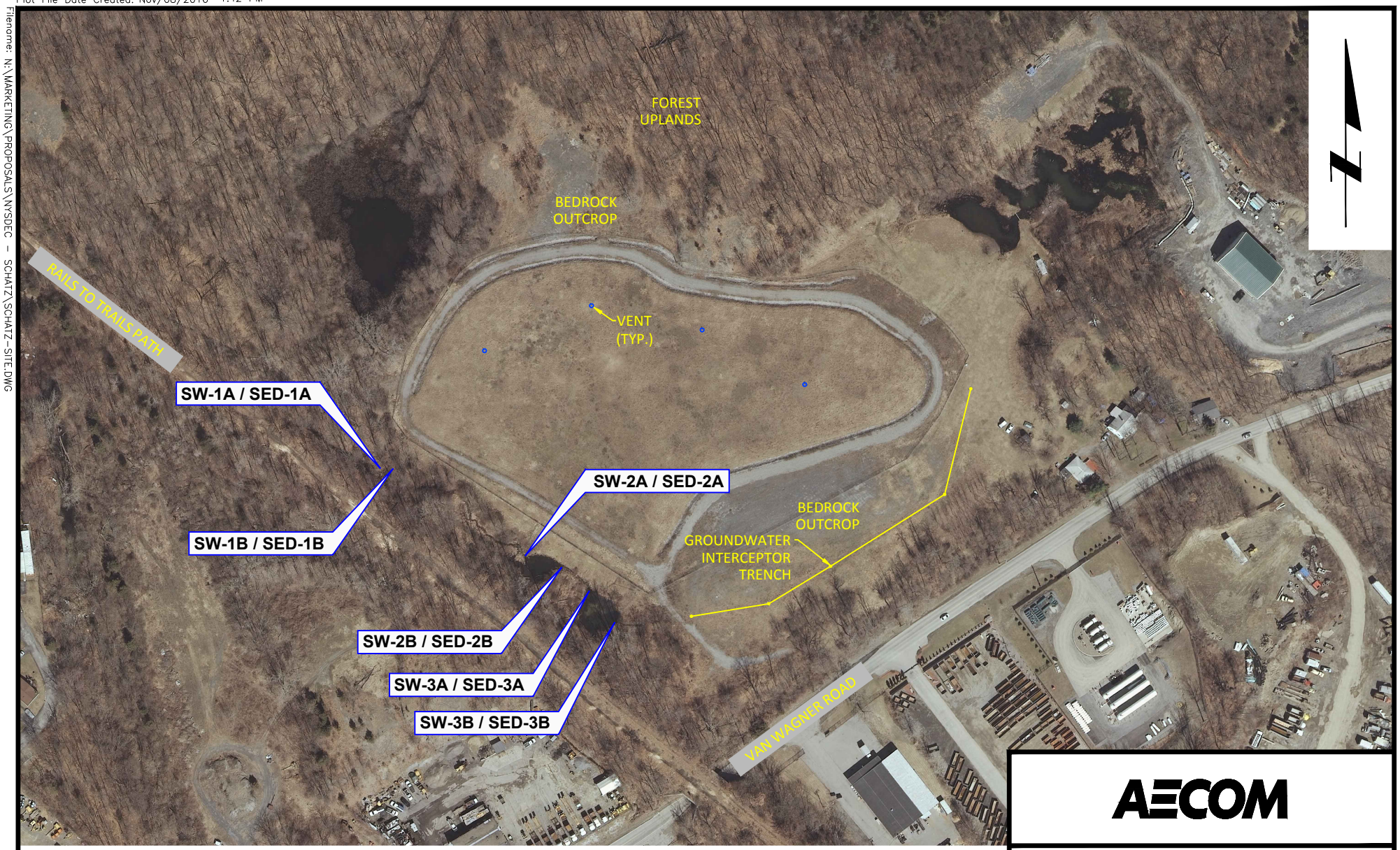
NYSDEC SITE No. 3-14-003

POUGHKEEPSIE, NEW YORK

FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
SCHATZ-SITE.dwg	RNB	60299644	9 - 2016	2

Plotted By: bookasr
Layout-Sheet Name: SURFACE WATER SAMPLES 2016
Plot File Date Created: Nov/08/2016 1:42 PM

Filename: N:\MARKETING\PROPOSALS\NYSDEC - SCHATZ\SCHATZ-SITE.DWG



REFERENCE:
BASE MAPPING PHOTOGRAPH FROM NYS CLEARINGHOUSE.

0' 100' 200' 400'

AECOM

APPROXIMATE SURFACE WATER
AND SEDIMENT SAMPLE LOCATIONS
(MARCH 2016)

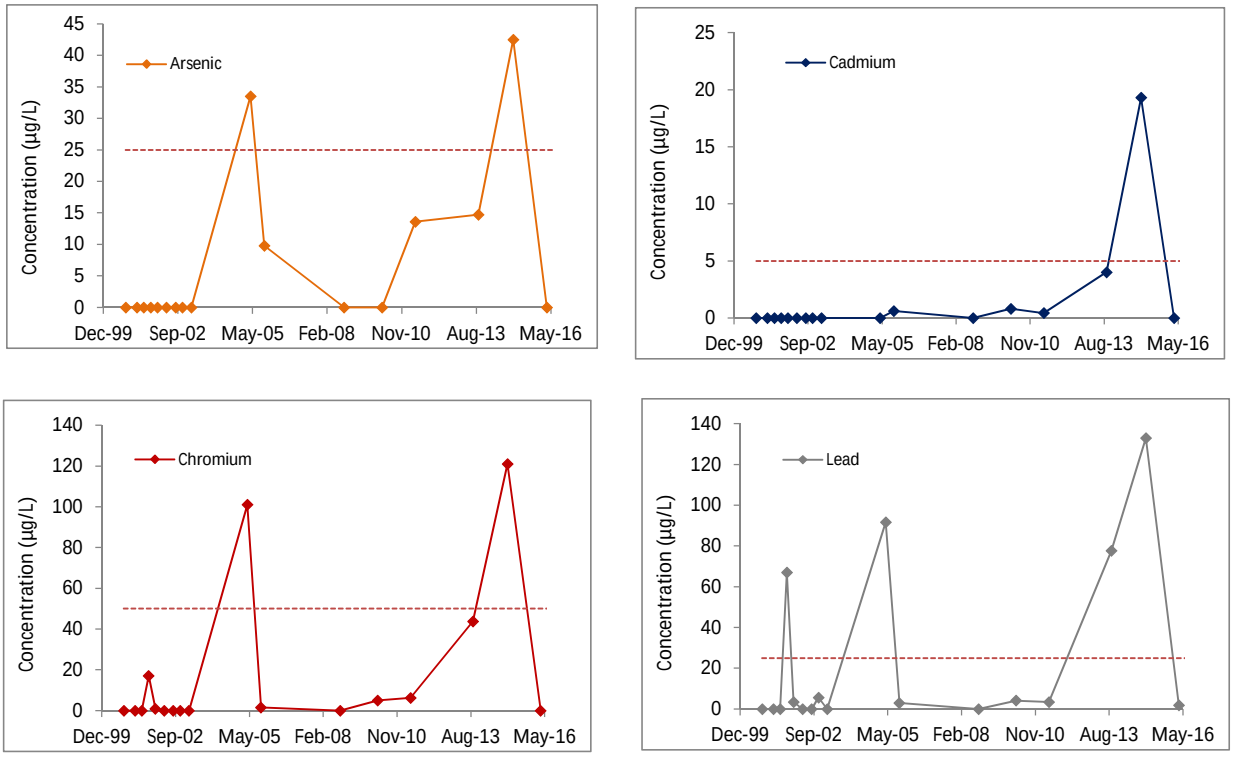
FORMER SCHATZ FEDERAL BEARINGS SITE

NYSDEC SITE No. 3-14-003

POUGHKEEPSIE, NEW YORK

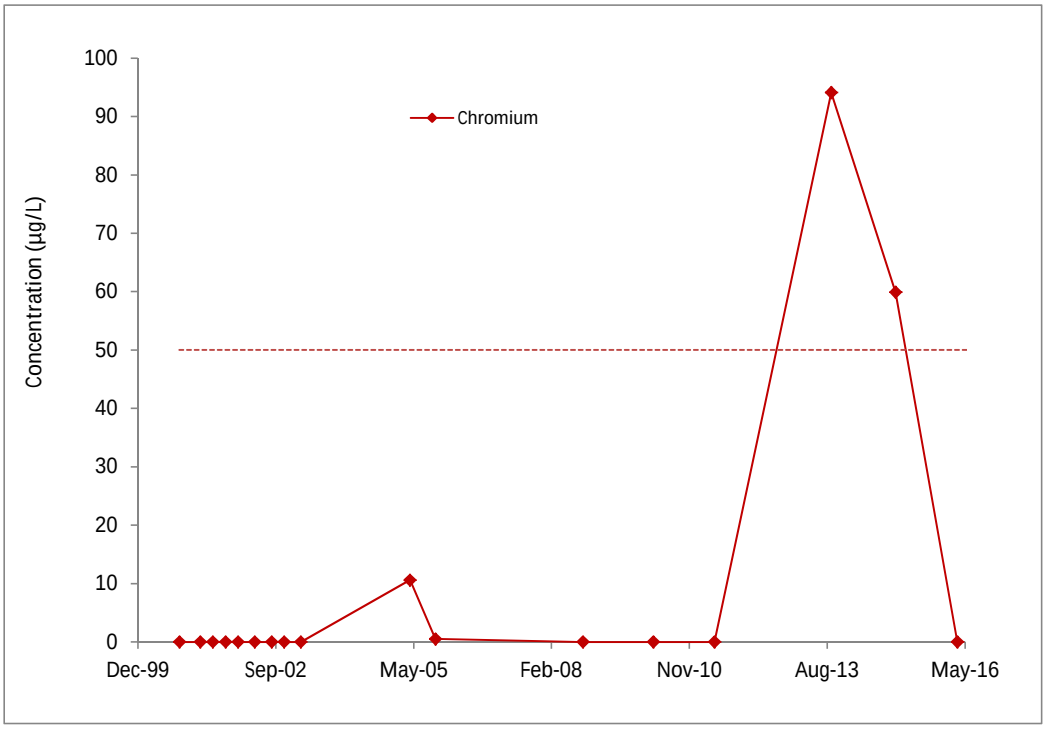
FILE NAME:	DRN	PROJECT NO.	DATE	FIGURE NO.
SCHATZ-SITE.dwg	RNB	60299644	11 / 2016	3

Figure 4
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well B-4
Schatz Federal Bearings Site
Poughkeepsie, New York



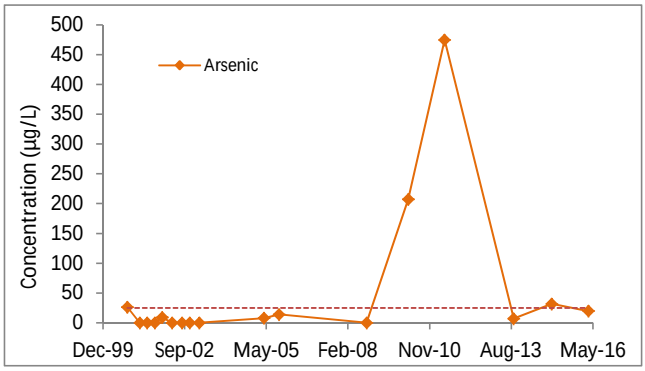
Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

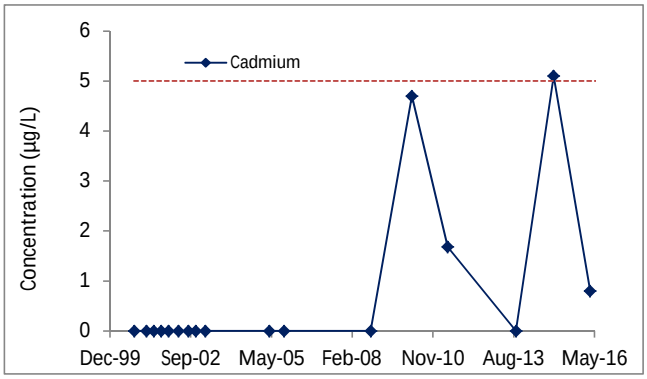
Figure 5
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well B-5
Schatz Federal Bearings Site
Poughkeepsie, New York

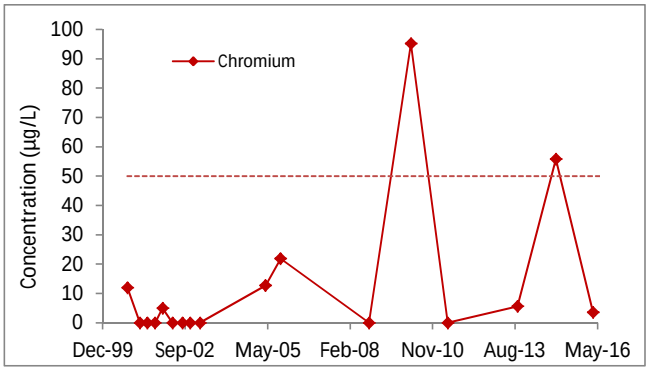


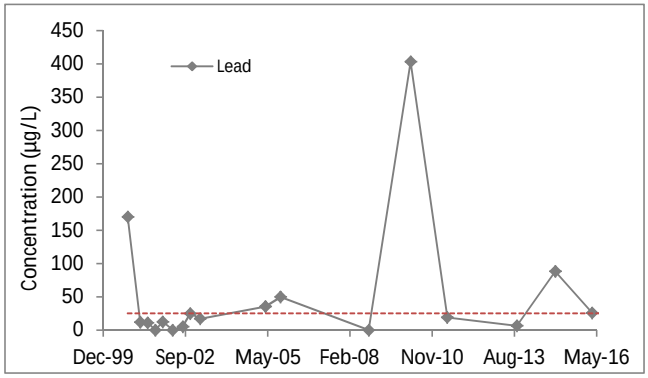
Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

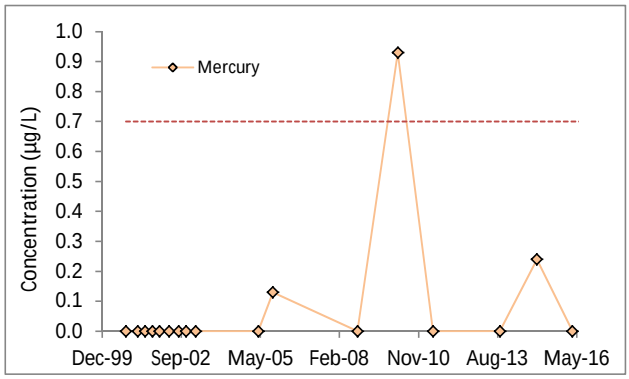
Figure 6
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well S-1
Schatz Federal Bearings Site
Poughkeepsie, New York





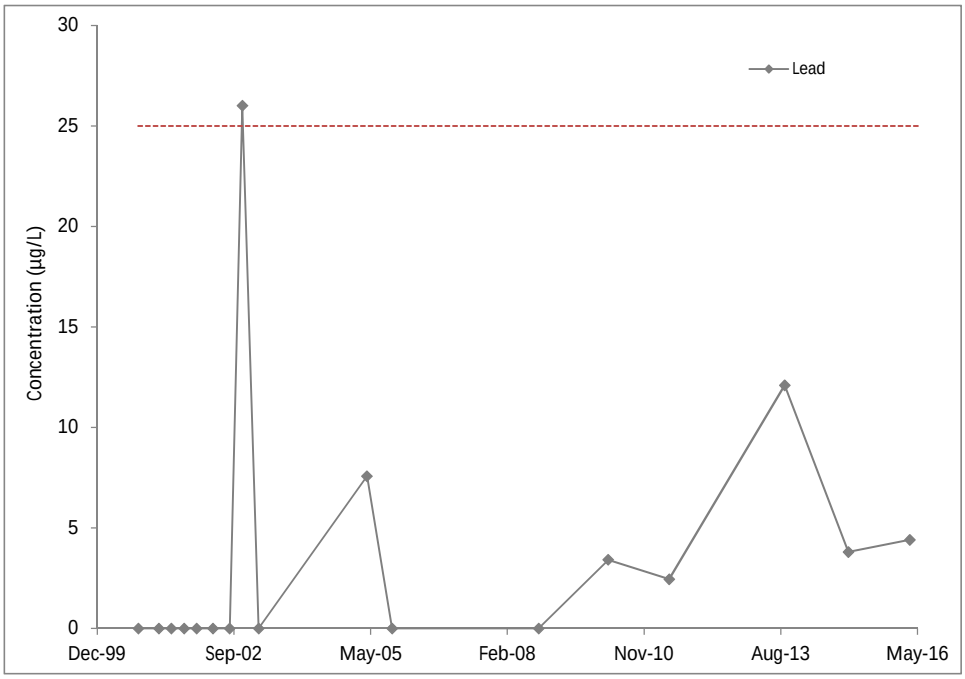






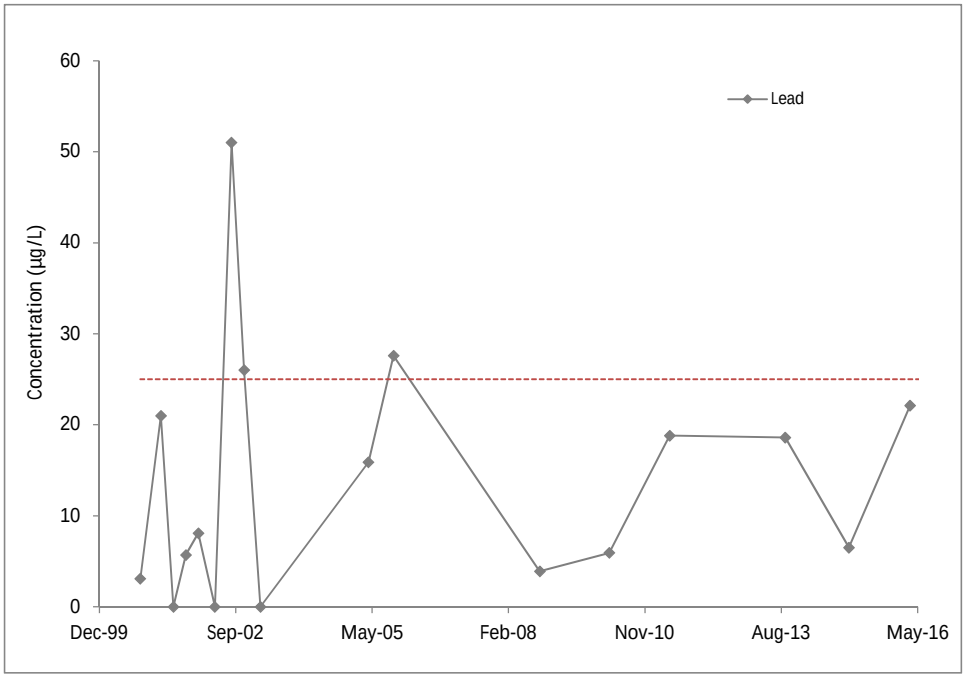
Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

Figure 7
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well S-2
Schatz Federal Bearings Site
Poughkeepsie, New York



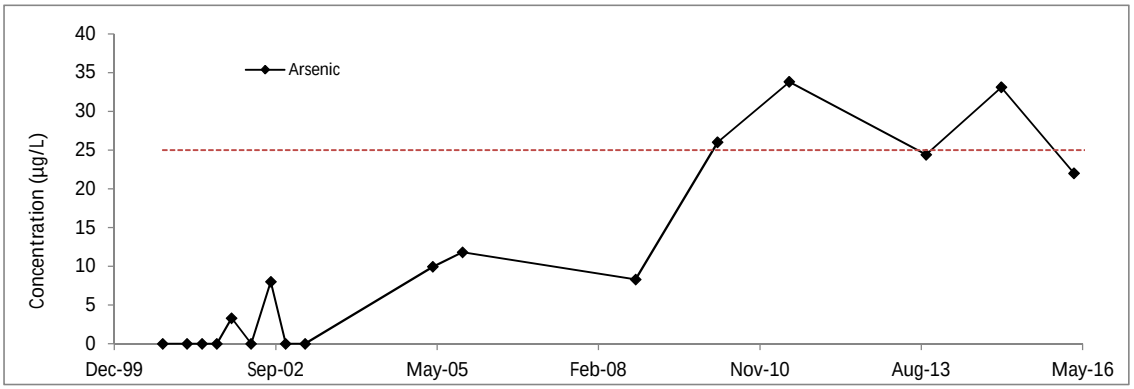
Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

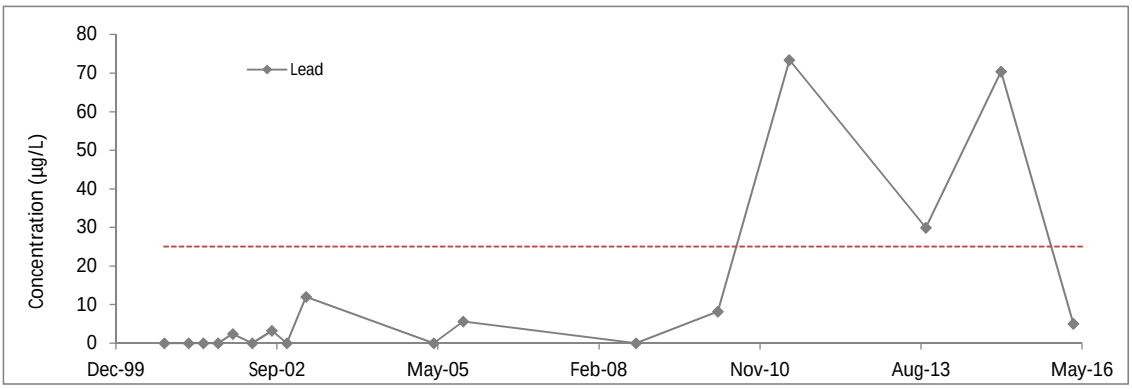
Figure 8
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well S-3
Schatz Federal Bearings Site
Poughkeepsie, New York



Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

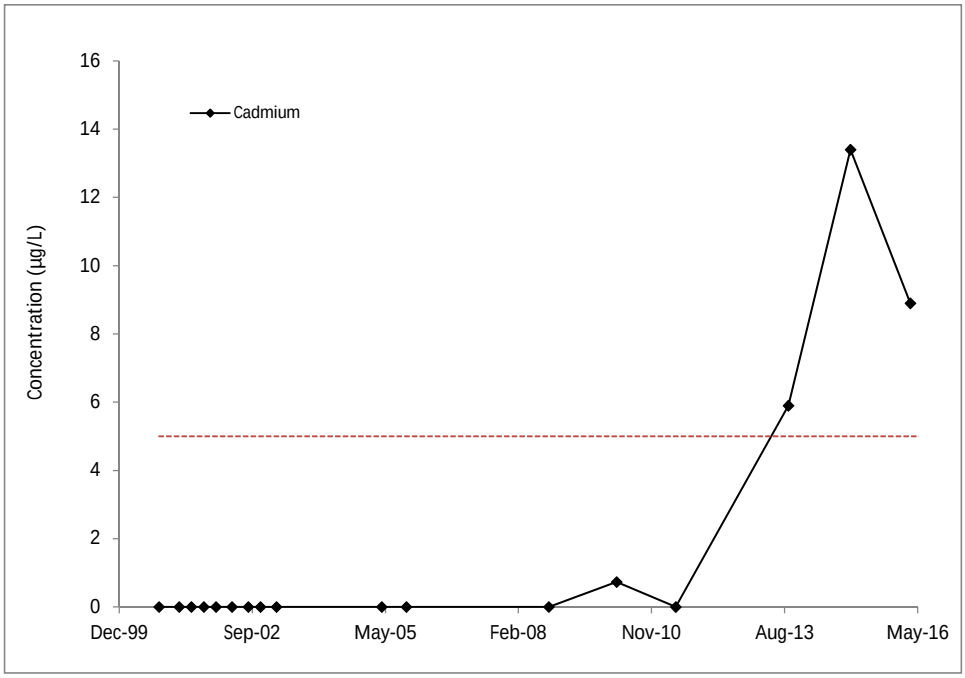
Figure 9
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well S-7
Schatz Federal Bearings Site
Poughkeepsie, New York





Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

Figure 10
Analytical Results for Metals Exceeding NYS AWQS in Monitoring Well S-10
Schatz Federal Bearings Site
Poughkeepsie, New York



Notes:
1. The New York State Ambient Water Quality Standards (NYS AWQS 6 NYCRR Part 703.5) are represented by a red dashed line.
2. Only metals that exceeded in at least one of the sampling events in this well are plotted.
3. Samples not detected above the laboratory method detection limits are included in the plots as 0.

Tables

Table 1
Groundwater Contaminants of Concern
Schatz Federal Bearings
Poughkeepsie, New York

Chemicals of Concern	Identified in ROD	Identified in DEC 2004 Monitoring Plan	Sampled Between 2000 and 2003 *	Sampled in 2005	Sampled and/or Reported in 2008	Sampled and/or Reported in 2010	Sampled and/or Reported in 2011	Sampled and/or Reported in 2013	Sampled and/or Reported in 2014	Sampled and/or Reported in 2016	Exceeded since 2005?	Continue Monitoring?
1,1,-Dichloroethene	X	X	X	X	X	X	X	X	X	X	No	Yes, with other VOCs
1,1-Dichloroethane	X		X	X	X	X	X	X	X	X	No	Yes, with other VOCs
1,1,1-Trichloroethane	X	X	X	X	X	X	X	X	X	X	No	Yes, with other VOCs
Vinyl Chloride	X	X	X	X	X	X	X	X	X	X	No	Yes, with other VOCs
Chloroethane		X	X	X	X	X	X	X	X	X	Yes	Yes
Cadmium	X		X	X		X	X	X	X	X	Not consistently reported	Yes
Mercury	X			X		X	X	X	X	X	Not consistently reported	Yes
Zinc	X	X	X	X		X	X		X	X	Not consistently reported	Yes
Lead	X	X	X	X	X	X	X	X	X	X	Yes	Yes
Arsenic	X	X	X	X	X	X	X	X	X	X	Yes	Yes
Chromium	X	X	X	X	X	X	X	X	X	X	Yes	Yes
Antimony					X	X	X	X			No	No; not identified in ROD
Potassium		X	X	X		X	X	X			Not consistently reported	No; not identified in ROD
Trichlorethene		X	X			X	X				Not consistently reported	No; not identified in ROD
Copper		X	X	X		X	X	X			Not consistently reported	No; not identified in ROD
Aluminum		X	X	X		X	X				Not consistently reported	No; not identified in ROD
Iron		X	X	X	X	X	X	X			Yes	No; not identified in ROD
Sodium		X	X	X	X	X	X	X			Yes	No; not identified in ROD
Manganese		X	X	X	X	X	X	X			Yes	No; not identified in ROD
Benzo(a)pyrene	X										No; already dropped from sampling and reporting	No
Bis(2-ethylhexyl)phthalate	X										No; already dropped from sampling and reporting	No
PCBs	X	X	X								No; already dropped from sampling and reporting	No
Barium	X		X	X	X	X	X	X			No	No
Magnesium			X	X	X	X	X	X			No	No

* X indicates that parameter was analyzed in at least one sample from at least one sampling event between 2000 and 2003.

Table 2
Groundwater Analytical Results for Metals
Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Arsenic		Cadmium		Chromium		Lead		Mercury		Zinc	
AWQS*		*25*		*5*		*50*		*25*		*0.7*		*300 (as reported in ROD)*	
B-1	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	2.6	B	0.3	U	1.2	B	2.4	B	0.20	U	3.8	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	14	B
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	210	U
	May-05		U	-	-	1.43	J		U	-	-	-	-
	Nov-05	7.8	J	0.33	U	1	J	2.8	U	0.03	U	9.8	
	Oct-08	10	U	-	-	1.61	J	6	U	-	-	-	-
	Mar-10	10	U	3	U	4.93	J	3.16	J	0.20	U	34.8	
	May-11	11.8		3	U	5	U	6	U	0.20	U	11.5	J
	Sep-13	1.0	U	0.15	U	2.3	B	7.3		0.10	U	7.3	B
	Dec-14	3.3	U	0.20	U	4.2	B	4.2		0.10	U	7.1	B
	Mar-16	10	U	2.5	U	10	U	4.5	J	0.20	UN	11.2	J
B-2	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	30	
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	57	
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	21	
	Dec-01	2.2	U	0.3	U	0.9	U	2	U	0.20	U	1.4	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	17	B
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	75	
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	17	B
	May-05	5.4	J	-	-	7	J	5.38		-	-	-	-
	Nov-05	13.7		0	U	6	J	13.9		0.16	J	82.4	
	Oct-08	10	U	-	-	4.55	J	11.3		-	-	-	-
	Mar-10	10	U	3	U	5	U	5.25	J	0.20	U	33.6	
	May-11	7.17	J	3	U	5	U	3.57	J	0.20	U	7	J
	Sep-13	1.0	U	0.15	U	3.7	B	4.0		0.10	U	19	B
	Dec-14	3.3	U	0.40	B	2.2	B	2.2	B	0.10	U	11.8	B
	Mar-16	10	U	2.5	U	0.50	J	5.9		0.20	UN	16.5	J
B-3	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	57	
	Mar-01	8.0	U	5	U	12		3	U	0.2	U	18	B
	Jun-01	8.0	U	5	U	13		10		0.20	U	330	
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	2.2	U	0.3	U	0.9	U	2	U	0.20	U	6	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	13	B
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	44	
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	210	U
	May-05		U	-	-	7.57	J		U	-	-	-	-
	Nov-05	3.3	U	0.33	U	9.1	J	6.8		0.03	U	33.4	
	Oct-08	10	U	-	-	3.21	J	6	U	-	-	-	-
	Mar-10	10	U	3	U	2.33	J	7.33		0.20	U	41.4	
	May-11	9.06	J	3	U	46.5		3.86	J	0.20	U	5.68	J
	Sep-13	1.0	U	0.15	U	33.8		4.2		0.10	U	19.1	B
	Dec-14	3.3	U	0.30	B	30.4		4.8		0.10	U	22.9	
	Mar-16	10	U	2.5	U	4.4	J	5.0		0.20	UN	17.5	J

Table 2
Groundwater Analytical Results for Metals
Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Arsenic		Cadmium		Chromium		Lead		Mercury		Zinc	
AWQS*		*25*		*5*		*50*		*25*		*0.7*		*300 (as reported in ROD)*	
B-4	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	32	
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	B
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	48	
	Sep-01	8.0	U	5	U	17		**67**		0.20	U	190	
	Dec-01	2.2	U	0.3	U	0.9		3.4	B	0.20	U	4.5	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	49	
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	5.6		0.20	U	24	
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	210	U
	May-05	**34**		-	-	**101**		**91.7**		**-**	-	**-**	-
	Nov-05	10	J	1	J	1.5		3	J	0.03	U	9	J
	Oct-08	-	-	-	-	-		-	-	-	-	-	-
	Mar-10	10	U	0.8	J	5		4.11	J	0.20	U	40.1	
	May-11	13.6		0.43	J	6.23		3.41	J	0.20	U	18	J
	Sep-13	14.7		4	B	43.7		**77.6**		0.10	U	196	
	Dec-14	**42.5**		**19.3**		**121**		**133**		0.61		489	
	Mar-16	10	U	2.5	U	10	U	1.8	J	0.20	UN	13.9	J
B-5	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	2.2	U	0.3	U	0.9	U	2.2	B	0.20	U	0.8	U
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	U	5	U	10	U	5.1		0.20	U	12	B
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	210	U
	May-05		U	-	-	10.6	6		U	-	-	-	-
	Nov-05	4.6	J	0.33	U	0.51	J	2.8	U	0.03	U	8.3	J
	Oct-08	10	U	-	-	10	U	6	U	-	-	-	-
	Mar-10	6.2	J	3	U	5	U	7.45		0.20	U	34.2	
	May-11	7.73	J	3	U	5	U	5.05	J	0.20	U	16.5	J
	Sep-13	1.0	U	0.15	U	**94.1**		4.7		0.10	U	12.1	B
	Dec-14	3.3	U	0.70	B	**59.9**		5.2		0.10	U	13.6	B
	Mar-16	10	U	2.5	U	10	U	4.5	J	0.20	UN	8.1	J
S-1	Oct-00	**26**		5	U	12		**170**		0.20	U	140	
	Mar-01	8.0	U	5	U	10	U	12		0.20	U	10	U
	Jun-01	8.0	U	5	U	10	U	11		0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	8.9	B	0.3	U	5	B	12.6		0.20	U	206	
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	U	5	U	10	U	5.4		0.20	U	10	B
	Nov-02	8.0	U	5	U	10	U	25		0.20	U	26	
	Mar-03	8.0	U	5	U	10	U	17		0.20	U	210	U
	May-05	7.92	J	-	-	12.7		**35.4**		**-**	-	**-**	-
	Nov-05	14		0.33	U	21.9		**49.8**		0.13	J	71.5	
	Oct-08	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-10	**207**		4.7		**95.2**		**403**		**0.93**		467	
	May-11	**475**		1.68	J	5	U	19.1		0.20	U	32.3	
	Sep-13	7.0	B	0.15	U	5.6	B	6.6		0.10	U	15.5	B
	Dec-14	**31.7**		**5.1**		**55.8**		**88.3**		0.24		125	
	Mar-16	19.6		0.80	J	3.6	J	**25.8**		0.20	UN	28.0	

Table 2
Groundwater Analytical Results for Metals
Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Arsenic		Cadmium		Chromium		Lead		Mercury		Zinc	
AWQS*		*25*		*5*		*50*		*25*		*0.7*		*300 (as reported in ROD)*	
S-2	Oct-00	-	-			-	-	-	-	-	-	-	-
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	-	-	-	-	-	-	-	-	-	-	-	-
	Dec-01	-	-	-	-	-	-	-	-	-	-	-	-
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	-	-	-	-	-	-	-	-	-	-	-	-
	Nov-02	8.0	U	5	U	10	U	**26**		0.20	U	11	B
	Mar-03	8.0	U	5	U	10	U	3	U	0.2	U	210	U
	May-05		U	-	-	13.9		7.57		-	-	-	-
	Nov-05	3.3	U	0.33	U	0.66	J	6.0	U	0.03	U	16.4	J
	Oct-08	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-10	10	U	0.48	J	5	U	3.41	J	0.20	U	33	
	May-11	9.76	J	0.48	J	5	U	2.45	J	0.20	U	6.59	
	Sep-13	1.0	U	3.6	B	9.2	B	12.1		0.10	U	35.7	
	Dec-14	3.3	U	2.5	B	6.2	B	3.8		0.10	U	11.8	B
	Mar-16	10	U	0.20	J	10	U	4.4	J	0.20	UN	9.2	J
S-3	Oct-00	8.0	U	5	U	10	U	3.1		0.20	U	10	U
	Mar-01	8.1	B	5	U	10	U	21		0.20	U	30	
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	5.7		0.20	U	10	U
	Dec-01	9.3	B	0.3	U	6.9	B	8.1		0.20	U	17	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	12	B
	Aug-02	8.0	U	5	U	10	U	**51**		0.20	U	35	
	Nov-02	8.0	U	5	U	14		**26**		0.20	U	41	
	Mar-03	8.0	U	5	U	10	U	3	U	0.20	U	210	U
	May-05	11		-	-	35.1		16		**-**	-	**-**	-
	Nov-05	18.9		0	U	25.3		**27.6**		0.04	J	88.9	
	Oct-08	10	U	-	-	2	J	3.92	J	**-**	-	**-**	-
	Mar-10	8.37	J	3	U	5	U	5.93	J	0.08	J	35.5	
	May-11	15.8		0.41	J	12.1		18.8		0.20	U	40.8	
	Sep-13	9.4	B	0.15	U	19		18.6		0.10	U	55.7	
	Dec-14	8.3	B	1.3	B	10.3		6.5		0.10	U	24.8	
	Mar-16	21.3		0.50	J	3.7	J	22.1		0.20	UN	87.0	
S-7	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	12	B
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	3.3	B	0.3	U	0.9	U	2.4	B	0.20	U	4	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	B	5	U	10	U	3.2		0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-03	8.0	U	5	U	10	U	12		0.20	U	71	B
	May-05	9.92	J	-	-	0.785	J		U	**-**	-	**-**	-
	Nov-05	11.8		0.33	U	0.88	J	5.6		0.03	U	7	J
	Oct-08	8.28	J	-	-	10	U	6	U	**-**	-	**-**	-
	Mar-10	**26**		3	U	5	U	8.17		0.20	U	46.6	
	May-11	**33.8**		1.1	J	5	U	**73.4**		0.20	U	28.1	
	Sep-13	24.4		0.15	U	7.6	B	**29.9**		0.10	U	33.9	
	Dec-14	**33.1**		3.5	B	24.5		**70.4**		0.10	U	78.1	
	Mar-16	22.0		0.20	J	10	U	5.0		0.20	UN	17.1	J

Table 2
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Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Arsenic		Cadmium		Chromium		Lead		Mercury		Zinc	
AWQS*		*25*		*5*		*50*		*25*		*0.7*		*300 (as reported in ROD)*	
S-8	Oct-00	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-01	-	-	-	-	-	-	-	-	-	-	-	-
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	B
	Dec-01	2.2	U	0.5	B	0.9	U	3.1	B	0.20	U	7	B
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	23	
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-03	-	-	-	-	-	-	-	-	-	-	-	-
	May-05	3.48	J	-	-	0.86	J		U	-	-	-	-
	Nov-05	4.4	J	0.76	J	2	J	6.9		0.03	U	35.1	
	Oct-08	10	U	-	-	10	U	6	U	-	-	-	-
	Mar-10	10	U	0.41	J	5	U	4.2	J	0.20	U	39.3	
	May-11	8.78	J	0.78	J	5	U	2.33	J	0.20	U	18.4	J
	Sep-13	1.0	U	0.15	U	2.3	B	1.3	B	0.10	U	10.1	B
	Dec-14	3.3	U	1.3	B	2.5	B	4.0		0.10	U	21.4	
	Mar-16	10	U	2.5	U	10	U	2.5	J	0.20	UN	9.2	J
S-9	Oct-00	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Jun-01	8.0	U	5.0	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5.0	U	10	U	3	U	0.20	U	10	U
	Dec-01	2.2	U	0.30	U	0.9	U	2	U	0.20	U	0.80	U
	Apr-02	8.0	U	5.0	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	U	5.0	U	5	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	19		0.20	U	10	U
	Mar-03	8.0	U	5	U	10	U	3		0.20	U	210	U
	May-05		U	-	-	3.48	J	3	J	-	-	-	-
	Nov-05	4.6	J	0.33	U	1.2	J	4	J	0.03	U	12	J
	Oct-08	10	U	-	-	5.82	J	3.91	J	-	-	-	-
	Mar-10	10	U	0.59	J	5	U	6.89		0.20	U	36.3	
	May-11	6.5	J	3	U	48.6		6	U	0.20	U	6.19	J
	Sep-13	1.0	U	0.15	U	2.4	B	2.9	B	0.10	U	8.1	B
	Dec-14	3.3	U	0.80	B	4.9	B	4.4		0.10	U	19.3	B
	Mar-16	10	U	2.5	U	10	U	4.4	J	0.20	UN	15.2	J
S-10	Oct-00	-	-	-	-	-	-	-	-	-	-	-	-
	Mar-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Jun-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Sep-01	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Dec-01	3.1	B	0.3	U	0.9	U	2	U	0.20	U	0.80	U
	Apr-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Aug-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Nov-02	8.0	U	5	U	10	U	3	U	0.20	U	10	U
	Mar-03	8.0	U	5	U	10	U	2	B	0.20	U	210	U
	May-05	3.56	J	-	-	4.03	J	2.76	J	-	-	-	-
	Nov-05	6.20	J	0	U	2.2	J	3.3	J	0.03	U	43.8	
	Oct-08	9.67	J	-	-	3.49	J	10.6		-	-	-	-
	Mar-10	10	U	0.73	J	2.69	J	5.23	J	0.20	U	33.6	
	May-11	6.83	J	3	U	46.5		3.13		0.20	U	20	U
	Sep-13	2.2	B	**5.9**		4.8	B	4.4		0.10	U	16	B
	Dec-14	4.0	B	**13.4**		16.3		14.6		0.10	U	56.3	
	Mar-16	5.6	J	**8.9**		5.2	J	13.1		0.20	U	56.8	

All data presented in micrograms per Liter (µg/L).
* New York State Ambient Water Quality Standards (TOGs 1.1.1).
U - Concentration not detected in excess of the method detection limit (MDL).
J - Estimated concentration greater than the MDL but less than the reporting limit (RL).
D - Results from a dilution of the original sample due to original sample results falling outside the linear range.
B - Analyte detected in associated method blank.
E - Value exceeds calibration range.
- not sampled
BOLD font in shaded cell indicates exceedances of AWQS.

Table 3
Groundwater Analytical Results for Volatile Organic Compounds
Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Vinyl Chloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane
AWQS*		*2*	*5*	*5*	*5*	*5*
B-1	Oct-00	U	U	U	U	U
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	U	U	U
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
B-2	Oct-00	U	U	U	U	U
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	U	U	U
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
B-3	Oct-00	**6**	**120D**	**330ED**	4	**40D**
	Mar-01	2	**65ED**	**83ED**	1	**7**
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	2	**60E**	**35E**	0.6J	U
	Dec-01	0.97J	**32**	**18**	U	U
	Apr-02	1	**49D**	**40D**	0.6J	1J
	Aug-02	2	**46E**	**38E**	0.6J	3
	Nov-02	**4**	**120D**	**130D**	3	**8**
	Mar-03	U	**63E**	**38E**	0.8J	4
	May-05	**10**	**160**	**94**	**6.9**	4.2J
	Nov-05	**2.1J**	**81**	**59**	3.1J	2.9J
	Oct-08	U	**47**	U	U	U
	Mar-10	U	3	2.3	U	U
	May-11	U	U	0.99J	U	U
	Sep-13	U	**10Z**	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	**18**	2J	10 U	10 U
B-4	Oct-00	U	U	U	U	U
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	-	-	-	-	-
	Mar-10	U	U	U	U	U
	May-11	U	U	1.7	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U

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Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Vinyl Chloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane
AWQS*		*2*	*5*	*5*	*5*	*5*
B-5	Oct-00	U	U	U	U	U
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	0.56J	1.1	**52**
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
S-1	Oct-00	U	U	U	U	U
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	-	-	-	-	-
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
S-2	Oct-00	-	-	-	-	-
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	-	-	-	-	-
	Dec-01	-	-	-	-	-
	Apr-02	U	U	U	U	U
	Aug-02	-	-	-	-	-
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	-	-	-	-	-
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
S-3	Oct-00	2	**53D**	4	U	U
	Mar-01	1	**24D**	5	0.7J	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	2	**24D**	**11**	0.9J	2
	Dec-01	U	**25**	**13**	1.1	4.8
	Apr-02	2	**30D**	**11**	0.9J	5D
	Aug-02	U	**18**	**13**	0.9J	4
	Nov-02	U	**12**	**9**	U	2
	Mar-03	U	**13**	5	0.6J	0.5J
	May-05	U	U	U	U	U
	Nov-05	U	**15**	3.8J	U	U
	Oct-08	U	U	2	U	U
	Mar-10	U	U	1.3	U	U
	May-11	U	U	1.5	U	U
	Sep-13	U	1JZ	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U

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October 2000 to March 2016

Analyte		Vinyl Chloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane
AWQS*		*2*	*5*	*5*	*5*	*5*
S-7	Oct-00	U	U	U	U	U
	Mar-01	2	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	1	U	U	U	U
	Aug-02	0.9J	U	U	U	U
	Nov-02	0.7J	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	2.8J
	Nov-05	1.0J	U	U	U	1.9J
	Oct-08	U	U	1.9	1.6	**81**
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
S-8	Oct-00	U	U	U	U	U
	Mar-01	-	-	-	-	-
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	-	-	-	-	-
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	U	U	**33**
	Mar-10	U	U	U	U	U
	May-11	U	U	U	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U
S-9	Oct-00	-	-	-	-	-
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	U	U	U
	Mar-10	U	U	U	U	U
	May-11	U	1.5	0.86J	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U

Table 3
Groundwater Analytical Results for Volatile Organic Compounds
Schatz Federal Bearings
Poughkeepsie, New York
October 2000 to March 2016

Analyte		Vinyl Chloride	Chloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,1,1-Trichloroethane
AWQS*		*2*	*5*	*5*	*5*	*5*
S-10	Oct-00	-	-	-	-	-
	Mar-01	U	U	U	U	U
	Jun-01	NA	NA	NA	NA	NA
	Sep-01	U	U	U	U	U
	Dec-01	U	U	U	U	U
	Apr-02	U	U	U	U	U
	Aug-02	U	U	U	U	U
	Nov-02	U	U	U	U	U
	Mar-03	U	U	U	U	U
	May-05	U	U	U	U	U
	Nov-05	U	U	U	U	U
	Oct-08	U	U	U	U	U
	Mar-10	U	U	U	U	U
	May-11	U	U	0.88J	U	U
	Sep-13	U	U	U	U	U
	Dec-14	10 U	10 U	10 U	10 U	10 U
	Mar-16	10 U	10 U	10 U	10 U	10 U

All data presented in micrograms per Liter (µg/L).
* New York State Ambient Water Quality Standards (TOGs 1.1.1)
U - Concentration not detected in excess of the method detection limit (MDL).
J - Estimated concentration greater than the MDL but less than the reporting limit (RL).
D - Results from a dilution of the original sample due to original sample results falling outside the linear range.
Z - Estimated concentration due to %Ds exceeding 15% in the continuing calibration verifications.
E - Value exceeds calibration range.
NA - No data encountered during review.
- not sampled
BOLD font in shaded cell indicates exceedances of AWQS+GV.

Table 4
Surface Water Analytical Results for Volatile Organic Compounds and Metals
Schatz Federal Bearings
Poughkeepsie, New York
March 2016

	SW-1A		SW-1B		SW-2A		SW-2B		SW-3A		SW-3B	
	3/25/2016		3/25/2016		3/25/2016		3/25/2016		3/25/2016		3/25/2016	
Metals												
Aluminum	48.9	J	1110		35200		38.5	J	68.9	J	200	U
Antimony	60	U	5.3	J	3.9	J	60	U	60	U	60	U
Arsenic	10	U	10	U	6.1	J	10	U	10	U	10	U
Barium	200	U	26.1	J	480		200	U	194	J	200	U
Beryllium	1	J	0.6	J	2	J	0.6	J	0.5	J	0.6	J
Cadmium	0.5	J	0.9	J	6.2		2.5	U	2.5	U	2.5	U
Calcium	17700	E	19600	E	62200	E	24800	E	33400	E	32700	E
Chromium, Total	10	U	10	U	54.3		10	U	10	U	10	U
Cobalt	50	U	1.3	J	37.4	J	50	U	50	U	50	U
Copper	8.2	J	21.2	J	207		4.3	J	3.3	J	25	U
Iron	85.5	J	1740		67100		256		2040		207	
Lead	5.9		37.4		315		3.6	J	3.3	J	5	U
Magnesium	3690	E	4160	E	18500	E	5100	E	7470	E	8260	E
Manganese	30.9		498		5990		246		380		75.3	
Mercury	0.2	UN	0.2	UN	0.2	UN	0.2	UN	0.2	UN	0.2	UN
Nickel	40	U	6.1	J	69.5		40	U	40	U	40	U
Potassium	1240	J	1030	J	9710		1110	J	1950	J	1250	J
Selenium	10	U	10	U	10	U	10	U	10	U	10	U
Silver	3	J	3.7	J	12.5		3	J	3.2	J	3.3	J
Sodium	6950	E	7610	E	10600	E	10400	E	10400	E	72600	E
Thallium	10	U	10	U	10	U	10	U	10	U	10	U
Vanadium	50	U	50	U	31	J	50	U	50	U	50	U
Zinc	16.8	J	46.6		499		15.3	J	18.4	J	7	J
Volatile Organic Compounds												
1,1,1-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2,2-Tetrachloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1,2-Trichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,1-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
1,2,4-Trichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dibromo-3-Chloropropane	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dibromoethane (Ethylene Dibromide)	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloroethane	10	U	10	U	10	U	10	U	10	U	10	U
1,2-Dichloropropane	10	U	10	U	10	U	10	U	10	U	10	U
1,3-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
1,4-Dichlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
2-Hexanone	10	U	10	U	10	U	10	U	10	U	10	U
Acetone	10	U	10	U	10	U	10	U	5	J	3	J
Benzene	10	U	10	U	10	U	10	U	10	U	10	U
Bromodichloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Bromoform	10	U	10	U	10	U	10	U	10	U	10	U
Bromomethane	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Disulfide	10	U	10	U	10	U	10	U	10	U	10	U
Carbon Tetrachloride	10	U	10	U	10	U	10	U	10	U	10	U
Chlorobenzene	10	U	10	U	10	U	10	U	10	U	10	U
Chlorodibromomethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroethane	10	U	10	U	10	U	10	U	10	U	10	U
Chloroform	10	U	10	U	10	U	10	U	10	U	10	U
Chloromethane	10	U	10	U	10	U	10	U	10	U	10	U
Cis-1,2-Dichloroethylene	10	U	10	U	10	U	10	U	10	U	10	U
Cis-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Cyclohexane	10	U	10	U	10	U	10	U	10	U	10	U
Dichlorodifluoromethane	10	U	10	U	10	U	10	U	10	U	10	U
Ethylbenzene	10	U	10	U	10	U	10	U	10	U	10	U
Isopropylbenzene (Cumene)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl Acetate	10	U	10	U	10	U	10	U	10	U	10	U
Methyl Ethyl Ketone (2-Butanone)	10	U	10	U	10	U	10	U	10	U	10	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	10	U	10	U	10	U	10	U	10	U	10	U
Methylcyclohexane	10	U	10	U	10	U	10	U	10	U	10	U
Methylene Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Styrene	10	U	10	U	10	U	10	U	10	U	10	U
Tert-Butyl Methyl Ether	10	U	10	U	10	U	10	U	10	U	10	U
Tetrachloroethylene(Pce)	10	U	10	U	10	U	10	U	10	U	10	U
Toluene	10	U	10	U	10	U	10	U	10	U	10	U
Trans-1,2-Dichloroethene	10	U	10	U	10	U	10	U	10	U	10	U
Trans-1,3-Dichloropropene	10	U	10	U	10	U	10	U	10	U	10	U
Trichloroethylene (Tce)	10	U	10	U	10	U	10	U	10	U	10	U
Trichlorofluoromethane	10	U	10	U	10	U	10	U	10	U	10	U
Vinyl Chloride	10	U	10	U	10	U	10	U	10	U	10	U
Xylenes, Total	10	U	10	U	10	U	10	U	10	U	10	U

All data presented in micrograms per Liter (µg/L).

U - Concentration not detected in excess of the method detection limit (MDL).

J - Estimated concentration greater than the MDL but less than the reporting limit (RL).

D - Results from a dilution of the original sample due to original sample results falling outside the linear range.

E - Value exceeds calibration range

N - Matrix spike sample recovery not within control limits.

Table 5
Sediment Analytical Results for Polychlorinated Biphenyls and Metals
Schatz Federal Bearings
Poughkeepsie, New York
March 2016

		SED-1A		SED-1B		SED-2A		SED-2B		SED-3A		SED-3B	
		3/25/2016		3/25/2016		3/25/2016		3/25/2016		3/25/2016		3/25/2016	
Metals													
Aluminum	mg/kg	14100		32900		14900		12100		7160		9590	
Antimony	mg/kg	0.9	JN	0.34	JN	4	U	1.1	JN	0.23	JN	0.73	JN
Arsenic	mg/kg	13		1.4		2.1		9.7		1.3		54.2	
Barium	mg/kg	185		183		57.5		345		87.4		1820	
Beryllium	mg/kg	0.59		1.8		0.5		2.2	U	0.17	J	0.86	J
Cadmium	mg/kg	6		1.4		1.2		11.3		1.8		5.2	
Calcium	mg/kg	10100		4930		1480		10900		147000		32200	
Chromium, Total	mg/kg	53.2		32.7		27.3		24.3		10.8		14.3	
Cobalt	mg/kg	24.6		13.7		15		22.2		6.6		97.4	
Copper	mg/kg	127		21.5		33.4		193		37.1		44.4	
Iron	mg/kg	44600	D	25100	D	32100		41400		15800		106000	D
Lead	mg/kg	628		26.8		40.2		313		28.7		65	
Magnesium	mg/kg	5370		6730		7100		3920		79200		3700	
Manganese	mg/kg	4800	E	1070	E	471	E	18600	E	745	E	171000	E
Mercury	mg/kg	0.12	J	0.049	J	0.046	J	0.33	J	0.077		0.12	
Nickel	mg/kg	53.2		30.5		28.7		58.6		15.4		50.5	
Potassium	mg/kg	719		1310		799		2750		447		2050	
Selenium	mg/kg	1.1	U	1.8	N	0.66	UN	4.4	UN	1.2	N	51.1	N
Silver	mg/kg	6.6		4.3	N	3.6	N	10.2	N	2	N	68.2	N
Sodium	mg/kg	570	U	68.2	J	330	U	2210	U	440	U	831	J
Thallium	mg/kg	5.7	U	1.1	UN	0.66	UN	22.1	UN	0.87	UN	130	UN
Vanadium	mg/kg	30.7		35.7		18.5	J	21.3	J	11.1		29.9	
Zinc	mg/kg	308		112		112		654		218		310	
Polychlorinated Biphenyls													
PCB-1260 (Aroclor 1260)	µg/kg	73	U	73	U	280	U	280	U	59	U	170	U
PCB-1254 (Aroclor 1254)	µg/kg	73	U	73	U	280	U	280	U	45	J	170	U
PCB-1221 (Aroclor 1221)	µg/kg	150	U	150	U	570	U	570	U	120	U	350	U
PCB-1232 (Aroclor 1232)	µg/kg	73	U	73	U	280	U	280	U	59	U	170	U
PCB-1248 (Aroclor 1248)	µg/kg	73	U	73	U	280	U	280	U	59	U	170	U
PCB-1016 (Aroclor 1016)	µg/kg	73	U	73	U	280	U	280	U	59	U	170	U
PCB-1242 (Aroclor 1242)	µg/kg	73	U	73	U	47	U	280	U	59	U	83	U
Conventional Parameters													
Total Organic Carbon	mg/kg	150000		49000		69000		Not Analyzed		26000		150000	
Moisture, Percent	%	55		55		29.7		88.3		44.4		60.4	

U - Concentration not detected in excess of the method detection limit (MDL).

J - Estimated concentration greater than the MDL but less than the reporting limit (RL).

D - Results from a dilution of the original sample due to original sample results falling outside the linear range.

E - Value exceeds calibration range

N - Matrix spike sample recovery not within control limits.

Appendix A

Site-Wide Semi-Annual Inspection Form

Schatz Federal Bearing
Van Wagner Road
Poughkeepsie, New York

Engineering Control (s): cap; fence; ditches Inspection Date: 8/29/14

Item	Yes	No	N/A	Comments
Does the Engineering Control continue to perform as designed?	X			
Does the Engineering Control continue to protect human health and the environment?	X			
Does the Engineering Control comply with requirements established in the SMP?	X			Should put signs on fence - included in current scope of work.
Has remedial performance criteria been achieved or maintained?	X			Still monitoring wells
Has sampling and analysis of appropriate media been performed during the monitoring event?		X		Not during this site inspection.
Have there been any modifications made to the remedial or monitoring system?	X			added locks to outside wells where needed; Cable ties to wells inside fence.
Does the remedial or monitoring system need to be changed or altered at this time?	X			* Some well caps and/or locks needed - See well inspection logs.
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		
In case a new occupied structure is constructed or the use of the current building changed, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?			X	
Were the groundwater wells in the monitoring network inspected during this site inspection? If so, were the Monitoring Well Field Inspection Logs Completed?	X			See well inspection logs for 14 monitoring wells.

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: Kelly Lurie
Inspector's Company: AECOM

Signature of Inspector: Kelly Lurie
Date: 8/29/14

IMMEDIATELY REPORT ANY FAILURE OR DEFECT TO THE PROJECT MANAGER SO A COUNTERMEASURE PLAN CAN BE IMPLEMENTED.

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: B1

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B1

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 4' stick up

PROTECTIVE CASING MATERIAL TYPE: steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	* See remarks	X
LOCK FUNCTIONAL?	NA	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 4"

WELL CASING MATERIAL: steel

PHYSICAL CONDITION OF VISIBLE WELL CASING: good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

good; on landfill; inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Good; on landfill; inside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Did not use cable tie - would not have helped for this well. Should replace lock.

Photo #16

Sketch

SITE NAME: _____ SITE ID.: 3-14-003

MONITORING WELL FIELD INSPECTION LOG

INSPECTOR: KAL
DATE/TIME: 8/29/14
WELL ID.: B2

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) Need to switch B2 and S2 on map	✓	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B2		

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2' stickup
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"	

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL? ** See Remarks		X
DID YOU REPLACE THE LOCK?	X	~~X~~ KAL
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA
MEASURE WELL DIAMETER (Inches):	6"
WELL CASING MATERIAL:	Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
OK by foot; area around wells accessible by vehicle - difficult to reach area by vehicle.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clear area in woods; Some tree cover

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
On Site landfill - but wells are upgradient

REMARKS:
** ~~No way to lock protective casing~~

Sketch

Can put lock through hole in screw - photo 4

Need lock — added lock on 8/29 before leaving site - Combo # 4003

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: B3

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B3		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2.5' Stick up	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"		
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK? * See remarks		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches): 4"		
WELL CASING MATERIAL:	PVC w/ Steel Cap	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

good; inside fence, clear, outside perimeter of landfill

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

field; outside perimeter of landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

on-site landfill

REMARKS:

Used cable ties on wells inside fence to ensure they remain secure between sampling.

Sketch

Photo # 10

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAC

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: B4

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B4		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stickup

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?	X	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 4"

WELL CASING MATERIAL: Steel

PHYSICAL CONDITION OF VISIBLE WELL CASING: See Remarks* Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: ~30-50'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good - Clearing in woods - small slope

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Clearing in woods; some trees overhead.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Upgradient on-site landfill, nearby roadway + recycling center (construction + demolition debris) → these are downgradient.

REMARKS:

* No cover for steel well casing

Sketch

→ Replaced lock (combo # 4003) before leaving the site 8/29/14.

* Need lock photo #8

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

DATE/TIME: 8/29/14

WELL ID.: MW-B5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B5		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) NA		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) See Remarks	X	X
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2.5' Stickup	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"		
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	4"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

God by foot - but on slope and tight against fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

just outside fence - Grassy area - on Steep Slope

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

On-site Contamination - from landfill

REMARKS:

missing Steel Cover - Cannot lock

Photo #1

Sketch

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: 31

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 31

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 4' Stick up

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?	※ See Remark	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 2"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good; Clear; inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Good; Clear; inside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

※ using cable ties on wires inside fence.

Sketch

photo #15

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: S2

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) Switch w/ B2 on Map	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S2		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2' Stickup	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"		
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?	X	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING: See Remarks - Good		
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

OK by foot - OK by vehicle around wells - may be difficult to reach this area.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

- open area in woods - Some overhead trees

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Upgradient of on-Site landfill

REMARKS:

* Well casing missing cap

Sketch

→ replaced lock (combo # 4003) before leaving the Site)

Need lock - photo #5.

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: S3

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S3

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stickup

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK? See Remarks		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 2"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good - inside fence ; clear; outside Perimeter of landfill

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

field - outside Perimeter of ~~landfill~~ landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

On-Site landfill

REMARKS:

Using Cable ties on wells inside fence to ensure they remain sealed between Sampling.

Sketch

Photo #9

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: S4

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S4

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 3' Stickup

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?	NA	
DID YOU REPLACE THE LOCK? * See Remarks		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 2"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: * See Remarks — Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good - Clear - inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

on landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Using cable ties on wells inside fence; PVC well casing missing cap.

Sketch

Photo #13 - looking from S4 across landfill

SITE NAME: _____ SITE ID.: 3-14-003

MONITORING WELL FIELD INSPECTION LOG

INSPECTOR: KAL
DATE/TIME: 8/29/14
WELL ID.: S5

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S5

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	N/A	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) ~~X~~ See remarks	X	X

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK? ~~X~~ See remarks		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good - on landfill inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Good - on landfill inside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
~~X~~ Steel protective casing - cover bent - Cannot lock or Seal Cable tie.

Sketch

Photo #14

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: MW-S7

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S7

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		X NA
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) See Remarks	X	X

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 12" Stickup

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): approx 2"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: OK - warped edges inside

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

OK by foot - about 5' from edge of fence but on steep slope.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

edge of woods

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

On-Site Contamination from landfill

REMARKS:

* Missing Protective Casing Cover - Cannot lock

Sketch

Photo # 2

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: MW-58

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: 58

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)		
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below) ..... NA

HEADSPACE READING (ppm) AND INSTRUMENT USED ..... NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable) 2.5' Stick up

PROTECTIVE CASING MATERIAL TYPE: ..... Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): ..... 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): _____

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): _____

MEASURE WELL DIAMETER (Inches): _____

WELL CASING MATERIAL: _____

PHYSICAL CONDITION OF VISIBLE WELL CASING: _____

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE _____

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES _____

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

OK - only by foot.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Slightly wooded area - about 20' outside of fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

On-Site Landfill

REMARKS:

Sketch

Need lock
Photo #3

SITE NAME: _____ SITE ID.: 3-14-003

INSPECTOR: KAL

MONITORING WELL FIELD INSPECTION LOG

DATE/TIME: 8/29/14

WELL ID.: S9

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S9

	YES	NO
SURFACE SEAL PRESENT?	X	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): NA 2.5' Stickup

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 2"

WELL CASING MATERIAL: PVC

PHYSICAL CONDITION OF VISIBLE WELL CASING: good KAL ~~X See remarks~~

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Good - clearing in woods; about 20' from overhead power lines

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

clearing in woods; downgrad. ext from landfill about 20' from roadway; trees/brush between well + roadway

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

on-site landfill; about 20' from roadway, access road from recycling center accepting construction + demolition debris

REMARKS:

~~A~~ ~~###~~

Sketch

Need lock

photo #7

SITE NAME: _____ SITE ID.: 3-14-003

MONITORING WELL FIELD INSPECTION LOG

INSPECTOR: KAL
DATE/TIME: 8/29/14
WELL ID.: S10

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S10

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: * See remarks — Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: about 20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
good - clearing in woods - ~20' from overhead powerlines

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
clearing in woods downgradient of fence - outside fence; trees/brush between well and roadway

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-site landfill; about 20' from roadway

REMARKS:
* PVC well casing - Cap missing

Sketch

* need lock - photo #6

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
1	8/29/14

Description:
Monitoring Well B-1; could not add zip tie or lock, but this monitoring well is inside locked fence.

Photo No.	Date:
2	8/29/14

Description:
Monitoring Well B-2; added lock to secure well cap.

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
3	8/29/14

Description:
Monitoring Well B-5; missing steel cover – was replaced following this inspection.

Photo No.	Date:
4	8/29/14

Description:
Monitoring Well S-1

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
5	8/29/14

Description:
Monitoring Well S-2

Photo No.	Date:
6	8/29/14

Description:
Monitoring Wells S-3 and B-3

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
7	8/29/14

Description:
Monitoring Well S-5; steel protective casing bent so could not be locked, but this well is inside a locked site fence.

Photo No.	Date:
8	8/29/14

Description:
Monitoring Wells S-7; missing steel cover – was replaced following this inspection.

Site-Wide Semi-Annual Inspection Form

Schatz Federal Bearing
Van Wagner Road
Poughkeepsie, New York

Cap, fence;

Engineering Control (s): ditches

Inspection Date: 4/22/15 — returned to site on 4/30 to further investigate potential seep

Item	Yes	No	N/A	Comments
Does the Engineering Control continue to perform as designed?	X			
Does the Engineering Control continue to protect human health and the environment?	X			* woodchuck hole on west slope - above what appeared to be a seep - likely drainage from burrows
Does the Engineering Control comply with requirements established in the SMP?	X			Should put sign on fence - included in current scope of work.
Has remedial performance criteria been achieved or maintained?	X			Still monitoring wells - every 15 MO.
Has sampling and analysis of appropriate media been performed during the monitoring event?		X		Not during this inspection
Have there been any modifications made to the remedial or monitoring system?		X		
Does the remedial or monitoring system need to be changed or altered at this time?	X			Some well caps and/or locks needed; See well inspection logs.
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?			X	
Was there a change in the use of the site or were there new structures constructed on the site?		X		
In case a new occupied structure is constructed or the use of the current building changed, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?			X	
Were the groundwater wells in the monitoring network inspected during this site inspection? If so, were the Monitoring Well Field Inspection Logs Completed?	X			See well inspection logs for 14 monitoring wells.

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: Kelly Lurie
Inspector's Company: AECOM

Signature of Inspector: Kelly Lurie
Date: 4/22/15

IMMEDIATELY REPORT ANY FAILURE OR DEFECT TO THE PROJECT MANAGER SO A COUNTERMEASURE PLAN CAN BE IMPLEMENTED.

3-14-003

SITE NAME: Schatz Federal Bearing

SITE ID.: 8
INSPECTOR: KAL
DATE/TIME: 4/22/15
WELL ID.: B-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B1

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 4' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; on landfill, inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Good; on landfill; inside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
lock was replaced since last site inspection.

Sketch

SITE NAME: Schatz Federal Beanry

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 4/22/15
WELL ID.: B2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

Need to switch B2 + S2 on map.

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2' Stick up
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA
MEASURE WELL DIAMETER (Inches):	6"
WELL CASING MATERIAL:	Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easy by foot; area around wells difficult to reach by vehicle.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clear areas in woods; some tree cover

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-site landfill - but wells are upgradient

REMARKS:

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: B3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B3

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: PVC w/ Steel Cap
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; inside fence; clear; outside perimeter of landfill.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field; outside perimeter of landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-site

REMARKS:
lock had been placed on well since last visit - by PEC?
Combo lock consistent w/others on site (# 4003)

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: B4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B4

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' stick up
PROTECTIVE CASING MATERIAL TYPE: steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: ~ 30-50'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; cleary in woods; small slope

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Cleary in woods; some trees overhead.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Upgradient on-site landfill, nearby roadway + recycling center for construction + demolition debris → these are downgradient

REMARKS:

Sketch

SITE NAME: Shatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: BS.

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	Y	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: BS

	YES	NO
SURFACE SEAL PRESENT?		Y
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: PVC.
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
good by foot; on steep slope and right against fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
just outside fence, grassy area, slope

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-site. Contamination: from landfill

REMARKS:
* Protective cover replaced since last visit by DEC. ~~needs lock if possible.~~ Kal

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S1

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 4' Stickup
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT? * See remarks		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; Clear; inside fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Good; Clear; inside fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
* using Cable tie on well - inside fence.

Sketch

SITE NAME: Schatz Federal Brany

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back) Switch w/ B2 on map	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S2		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Stickup
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

OK by foot; OK by vehicles around wells — may be difficult to reach area w/ larger equipment

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

open area in woods, some overhead trees.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Upgradient of on-site landfill

REMARKS:

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S3

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; inside fence; Clear, outside perimeter of landfill.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
field - outside perimeter of landfill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-Site landfill

REMARKS:
* lock was replaced recently. - by DEC?

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 4/22/15
WELL ID.: S4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S4

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 3' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good, clear, inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
on knoll

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
lock was replaced since last visit – by DEC?

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S5

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) * See remarks		

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stickup
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
on landfill; inside fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Underlying landfill

REMARKS:
* Cover closes but bent so cannot lock; inside locked fence.

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S7

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below) See remarks	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Stick UP
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: OK - Warped inside edges
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
OK by foot; on Steep Slope about 5' from fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
edge of Woods; Steep Slope

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-Site Contamination.

REMARKS:
* Protective casing cover was replaced since last inspection by REC regional → should determine if it can be locked.

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4/22/15
WELL ID.: S8

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S8

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
OK - only by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Slightly wooded area; about 20' outside of fence.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
On Site Landfill

REMARKS:

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: KaO
DATE/TIME: 4/22/15
WELL ID.: S9

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S9

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick UP
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: ~~NA~~ about 20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily accessible; Clearing in woods; about 20' from overhead power lines

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clearing in woods; downgradient from landfill about 20' from roadway; trees & brush between well and roadway

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
on-site landfill; about 20' from roadway; across road from recycling center accepting construction & demolition debris.

REMARKS:

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 4-22-15
WELL ID.: S10

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S10

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Stick Up
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: * See remarks. Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: about 20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Good; clearing in woods; ~ 20' from overhead power lines

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clearing in woods - outside fence; trees/brush between well and roadway.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
On-Site landfill; about 20' from roadway.

REMARKS:
* PVC well cap missing - well casing - Steel protective casing is intact and in good condition.

Sketch

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
1	4/22/15

Description: Drain pipe downgradient from landfill, on SW side of landfill.

Photo No.	Date:
2	4/22/15

Description: Discharge from drain pipe into pond on SW side of landfill.

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
3	4/22/15

Description: Fallen trees tangled in site fence. NYSDEC was notified, and the fence was cleared.

Photo No.	Date:
4	4/22/15

Description: Area below apparent woodchuck burrow. This area will continue to be monitored for seeps, etc.

Site-Wide Semi-Annual Inspection Form

Schatz Federal Bearing
Van Wagner Road
Poughkeepsie, New York

Engineering Control (s): cap; fence; ditches; Monitoring Wells Inspection Date: 12/8/15

Item	Yes	No	N/A	Comments
Does the Engineering Control continue to perform as designed?	X			
Does the Engineering Control continue to protect human health and the environment?	X			
Does the Engineering Control comply with requirements established in the SMP?	X			
Has remedial performance criteria been achieved or maintained?	X			Monitoring wells every 15 months.
Has sampling and analysis of appropriate media been performed during the monitoring event?		X		Not during this inspection
Have there been any modifications made to the remedial or monitoring system?		X		
Does the remedial or monitoring system need to be changed or altered at this time?		X		
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		
In case a new occupied structure is constructed or the use of the current building changed, was a vapor intrusion evaluation done?			X	
Were new mitigation systems installed based on monitoring results?			X	
Were the groundwater wells in the monitoring network inspected during this site inspection? If so, were the Monitoring Well Field Inspection Logs Completed?	X			See attached well inspection logs.

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: Kelly Lurie
Inspector's Company: AECOM

Signature of Inspector: Kelly Lurie
Date: 12/8/15

IMMEDIATELY REPORT ANY FAILURE OR DEFECT TO THE PROJECT MANAGER SO A COUNTERMEASURE PLAN CAN BE IMPLEMENTED.

SITE NAME: Schatz Federal Reang

SITE ID.: 3-14-003

INSPECTOR: Kal

DATE/TIME: 12/8/15

WELL ID.: B-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____

PDOP Reading from Trimble Pathfinder:_____ Satelites:_____

GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B1

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA

TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 4' nSer

PROTECTIVE CASING MATERIAL TYPE: Steel

MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA

MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA

MEASURE WELL DIAMETER (Inches): 4"

WELL CASING MATERIAL: Steel

PHYSICAL CONDITION OF VISIBLE WELL CASING: Good

ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA

PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

inside fence on landfill — easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WELL ID.: B2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)		X

need to switch B2 and S2 on map - but they are labeled and next to each other.

	YES	NO
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		X
SURFACE SEAL PRESENT?	NA	
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	X	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' NSer
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): ~~6"~~ 4" (tal)
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easy by foot; may be difficult and require clearing for vehicles

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clear area in wooded area; some tree cover

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz Federal

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WELL ID.: B3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	Y	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): Stick up - 2.5'
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: PVC / Steel cap
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Inside fence, Clearing - on landfill

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clearing - landfill - grassy area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Site Contamination

REMARKS:
—

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: KAC
DATE/TIME: 12/8/15
WELL ID.: B4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B4

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' riser
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4 in.
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: ~ 50'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Small clearing in woods

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Some trees/canopy overhead

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Site Contaminants, roadway

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WEll ID.: B5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B5

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2.5' riser
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA
MEASURE WELL DIAMETER (Inches):	4"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Steep Slope - against fence, accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Slope, grassy

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Sit contaminants

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 12/8/15
WELL ID.: S1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S1		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	4' riser	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"		
LOCK PRESENT? Inside locked fence - using Zip ties		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	2 in.	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

inside fence, clear

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

Accessible - easily

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

On-Site Contaminant

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 12/8/15
WELL ID.: S-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED	NAT
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2' riser
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA
MEASURE WELL DIAMETER (Inches):	~~4"~~ 2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Maybe difficult for rigs w/out clearing trees - otherwise easily accessible

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clearing in woods

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Sit Contaminant

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WELL ID.: S3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S3

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	N/A	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Riser
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Inside fence, Clear

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Site Contaminants

REMARKS:

Sketch

SITE NAME: Shatz

SITE ID.: 3-14-003
INSPECTOR: KAC
DATE/TIME: 12/8/15
Well ID.: S4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S4

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 3 inSer
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Inside fence - Clear

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Clear → in fence

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
@ Site Contaminants

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WELL ID.: S5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S5		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED	NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2.5' riser
PROTECTIVE CASING MATERIAL TYPE:	Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):	

	YES	NO
LOCK PRESENT?		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA
MEASURE WELL DIAMETER (Inches):	2"
WELL CASING MATERIAL:	PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

- Good, clear, inside fence.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Sit Contaminants

REMARKS:

Casing/cover bent but will close

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 12/8/15
WELL ID.: S7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	✓	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S7

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Steel riser
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT? * bring lock next Site Visit		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2 in
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Close to fence - Steep Slope

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Slope, adjacent to wooded area

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.): Site Contamination

REMARKS:

Sketch

SITE NAME: Shatz

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12/8/15
WELL ID.: S-8

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S8		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2' Steel Ser	
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"		
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

good by foot - not by vehicle - wooded area - very wet

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

Site Contamination

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: kal
DATE/TIME: 12/8/15
WELL ID.: S9

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S9

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Steel Sor
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: Overhead ~25'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.), ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Clearing in Woods - but overhead lines nearby.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Roadway, Silt Contaminants

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: KAL
DATE/TIME: 12-8-15
WELL ID.: S10

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: S10

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Steel riser
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 4"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 20'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Clearing in Woods - overhead lines nearby

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):
Roadway & Site Contaminants

REMARKS:

Sketch

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
1	12/8/15

Description: Signage added to the site fence by NYSDEC.

Photo No.	Date:
2	12/8/15

Description: Monitoring wells S-3 and B-3

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
3	12/8/15

Description:
Monitoring well S8

Photo No.	Date:
4	12/8/15

Description:
Monitoring wells S-2 and B-2

Site-Wide Semi-Annual Inspection Form

Schatz Federal Bearing
Van Wagner Road
Poughkeepsie, New York

Engineering Control (s): Monitoring wells, fence, Perimeter ditches

Inspection Date: 3/25/16

Item	Yes	No	N/A	Comments
Does the Engineering Control continue to perform as designed?	X			
Does the Engineering Control continue to protect human health and the environment?	X			
Does the Engineering Control comply with requirements established in the SMP?	X			
Has remedial performance criteria been achieved or maintained?	X			Sample wells every 15 Months
Has sampling and analysis of appropriate media been performed during the monitoring event?	X			
Have there been any modifications made to the remedial or monitoring system?		X		
Does the remedial or monitoring system need to be changed or altered at this time?		X		
Has there been any intrusive activity, excavation, or construction occurred at the site?		X		
Were the activities mentioned above, performed in accordance with the SMP?	X			
Was there a change in the use of the site or were there new structures constructed on the site?		X		
In case a new occupied structure is constructed or the use of the current building changed, was a vapor intrusion evaluation done?		X		
Were new mitigation systems installed based on monitoring results?		X		
Were the groundwater wells in the monitoring network inspected during this site inspection? If so, were the Monitoring Well Field Inspection Logs Completed?	X			See attached well inspection logs

Note: Upon completion of the form any non-conforming items warranting corrective action should be identified here within.

Name of Inspector: Kelly Lunt
Inspector's Company: AECOM

Signature of Inspector: Kelly Lunt
Date: 3/25/16

IMMEDIATELY REPORT ANY FAILURE OR DEFECT TO THE PROJECT MANAGER SO A COUNTERMEASURE PLAN CAN BE IMPLEMENTED.

SITE NAME: Schatz Federal Bearing

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: B-1

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B1		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	4' riser	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"		
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	4"	
WELL CASING MATERIAL:	Steel	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: kal
DATE/TIME: 3/25/10
WELL ID.: B2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B2

	YES	NO
SURFACE SEAL PRESENT?		✓
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	^	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Steel riser
PROTECTIVE CASING MATERIAL TYPE: _____
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
easily Accessible by foot - Clear area in Woods - overhead trees

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: B3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B3

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' riser
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: Steel Cap / PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
good - easy - inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
On Land fill

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 8/25/16
WELL ID.: B-4

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B4

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5' Steel nsr
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6.11

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: Steel
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 50'

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
In Woods - Small clearing

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Overhead trees. - See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: B5

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: B5

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): 6"

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 4"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Against fence - outside - Steep slope

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT
(e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Keil
DATE/TIME: 3/25/16
WELL ID.: 51

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	4' Steel riser	
PROTECTIVE CASING MATERIAL TYPE:		
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT? inside fence		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	NA	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

See previous inspection form

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

SAA

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: S-2

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	~	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Steel riser
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Clearing in woods

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
Some overhead trees.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: S-3

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Steel riser
PROTECTIVE CASING MATERIAL TYPE: .....
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
inside fence on backflow

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.
See above

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Shultz

SITE ID.: 3-14-003
INSPECTOR: Karl
DATE/TIME: 3/25/16
WELL ID.: S-9

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 3' Steel nser
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: SS

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)		X

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): ~~NA~~ 2.5' Steel nse
PROTECTIVE CASING MATERIAL TYPE:
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT? inside locked fence		X
LOCK FUNCTIONAL?		X
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
inside fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:
Casing Cover bent - but well can still be closed.

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: S7

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL: .....

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	N/A	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: N/A
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2' Steel riser
PROTECTIVE CASING MATERIAL TYPE: .....
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): .....

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?	X	
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): N/A
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): N/A
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE ..... N/A
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES.....

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
On Steep Slope – Close to fence-line – Outside of fence

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schot 2

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: S-8

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2'
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches): _____

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?	X	

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2"
WELL CASING MATERIAL: PVC
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE: NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: NA

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Very wet area - Accessible by foot

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kal
DATE/TIME: 3/25/16
WELL ID.: S-9

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	

WELL COORDINATES? NYTM X_____ NYTM Y_____
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____
GPS Method (circle) Trimble And/Or Magellan

	YES	NO
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	

WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:

	YES	NO
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	A	

HEADSPACE READING (ppm) AND INSTRUMENT USED: NA,
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable): 2.5'
PROTECTIVE CASING MATERIAL TYPE: Steel
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):

	YES	NO
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X

MEASURE WELL DEPTH FROM MEASURING POINT (Feet): NA
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet): NA
MEASURE WELL DIAMETER (Inches): 2" PVC
WELL CASING MATERIAL:
PHYSICAL CONDITION OF VISIBLE WELL CASING: Good
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE NA
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES: 25'-OH

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.
Overhead Lines - Clearing in Woods.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

SITE NAME: Schatz

SITE ID.: 3-14-003
INSPECTOR: Kml
DATE/TIME: 3/25/16
WELL ID.: S-10

MONITORING WELL FIELD INSPECTION LOG

	YES	NO
WELL VISIBLE? (If not, provide directions below)	X	
WELL COORDINATES? NYTM X_____ NYTM Y_____		
PDOP Reading from Trimble Pathfinder:_____ Satelites:_____		
GPS Method (circle) Trimble And/Or Magellan		
WELL I.D. VISIBLE?	X	
WELL LOCATION MATCH SITE MAP? (if not, sketch actual location on back)	X	
WELL I.D. AS IT APPEARS ON PROTECTIVE CASING OR WELL:		
SURFACE SEAL PRESENT?		X
SURFACE SEAL COMPETENT? (If cracked, heaved etc., describe below)	NA	
PROTECTIVE CASING IN GOOD CONDITION? (If damaged, describe below)	X	
HEADSPACE READING (ppm) AND INSTRUMENT USED	NA	
TYPE OF PROTECTIVE CASING AND HEIGHT OF STICKUP IN FEET (If applicable)	2'	
PROTECTIVE CASING MATERIAL TYPE:	Steel	
MEASURE PROTECTIVE CASING INSIDE DIAMETER (Inches):		
LOCK PRESENT?	X	
LOCK FUNCTIONAL?	X	
DID YOU REPLACE THE LOCK?		X
IS THERE EVIDENCE THAT THE WELL IS DOUBLE CASED? (If yes,describe below)		X
WELL MEASURING POINT VISIBLE?		X
MEASURE WELL DEPTH FROM MEASURING POINT (Feet):	NA	
MEASURE DEPTH TO WATER FROM MEASURING POINT (Feet):	NA	
MEASURE WELL DIAMETER (Inches):	2"	
WELL CASING MATERIAL:	PVC	
PHYSICAL CONDITION OF VISIBLE WELL CASING:	Good	
ATTACH ID MARKER (if well ID is confirmed) and IDENTIFY MARKER TYPE	NA	
PROXIMITY TO UNDERGROUND OR OVERHEAD UTILITIES	25' -OH	

DESCRIBE ACCESS TO WELL: (Include accessibility to truck mounted rig, natural obstructions, overhead power lines, proximity to permanent structures, etc.); ADD SKETCH OF LOCATION ON BACK, IF NECESSARY.

Clearing in woods - Overhead Lines Nearby.

DESCRIBE WELL SETTING (For example, located in a field, in a playground, on pavement, in a garden, etc.) AND ASSESS THE TYPE OF RESTORATION REQUIRED.

IDENTIFY ANY NEARBY POTENTIAL SOURCES OF CONTAMINATION, IF PRESENT (e.g. Gas station, salt pile, etc.):

REMARKS:

Sketch

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
1	3/25/16

Description: Discharge at drain pipe at SW side of site.

Photo No.	Date:
2	3/25/16

Description: Discharge from drain pipe at southwest side of site. Surface water and sediment samples SW-3B and SED-3B were collected near where this discharge runs into the pond.

AECOM

PHOTOGRAPH LOG

Facility Name:	Site Location:	Project No.
Schatz Federal Bearings	Poughkeepsie, New York	60299644

Photo No.	Date:
3	3/25/16

Description: Drain pipe at northwest side of site. Surface water and sediment samples SW-1A, SED-1A, SW-1B, and SED-1B were collected in this vicinity.

Photo No.	Date:
4	3/25/16

Description: Drainage along west side of site. Surface water and sediment samples SW-1A, SED-1A, SW-1B, and SED-1B were collected in this area.

Appendix B

Enclosure 1
Engineering Controls - Standby Consultant/Contractor Certification Form

Site Details **Box 1**

Site No. **314003**

Site Name Schatz Federal Bearings

Site Address: 223-47 Van Wagner Road Zip Code: 12602
City/Town: Poughkeepsie
County: Dutchess
Site Acreage: 5.0

Reporting Period: March 30, 2014 to March 30, 2017

	YES	NO
1. Is the information above correct?	X	☐
If NO, include handwritten above or on a separate sheet.		
2. To your knowledge has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?	☐	X
3. To your knowledge has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?	☐	X
4. To your knowledge have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?	☐	X
If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.		
5. To your knowledge is the site currently undergoing development?	☐	X

Box 2

	YES	NO
6. Is the current site use consistent with the use(s) listed below? Commercial and Industrial	X	☐
7. Are all ICs/ECs in place and functioning as designed?	X	☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

Signature of Standby Consultant/Contractor Date

SITE NO. 314003 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
134689-6262-03-101380-000	MC KEBE CORPORATION	
		Monitoring Plan
		Monitoring Plan Ground Water Use Restriction Soil Management Plan Landuse Restriction Site Management Plan O&M Plan IC/EC Plan

Environmental Notice requires:
Compliance with the site management plan (SMP;
groundwater use restriction;
land-use resitciton for industrial use only;
No interference with the engineering controls;
Excavations or disturbance of soils must be done in accordance with the SMP.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
134689-6262-03-101380-0000	
	Fencing/Access Control Cover System Cover System Fencing/Access Control

Cap, monitoring wells, fencing.

Annual inspection of fencing perimeter control and integrity of cap done by DER PM.

Additional inspections to be done if a major weather event should take place.

Box 5

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

   a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the certification, including data and material prepared by previous contractors for the current certifying period, if any;

   b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and compete.

YES	NO
X	☐

2. If this site has an IC/EC Plan (or equivalent as required in the Decision Document), for each Institutional or Engineering control listed in Boxes 3 and/or 4, I certify by checking "YES" below that all of the following statements are true:

   (a) the Institutional Control and/or Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;

   (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;

   (c) nothing has occurred that would constitute a failure to comply with the Site Management Plan, or equivalent if no Site Management Plan exists.

YES	NO
X	☐

IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and contact the DEC PM regarding the development of a Corrective Measures Work Plan to address these issues.

_____ _____

Signature of Standby Consultant/Contractor Date

Box 6

IC/EC CERTIFICATIONS

Professional Engineer Signature

I certify that all information in Boxes 2 through 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Michael L. Spera at AECOM
print name

40 British American Blvd.
Latham, NY 12110
(print business address)

am certifying as a Professional Engineer.

Michael L Spera
Signature of Professional Engineer

STATE OF NEW YORK
MICHAEL L. SPERA
073731
LICENSED PROFESSIONAL ENGINEER
Stamp (Required for PE)

4/27/17
Date