

3.19.1 SCHWEITZER LANDFILL

Facility Name: Schweitzer

A.K.A.: None

Location: 325 Clark Street

Parcel(s): 60100020235

Lat/Long: 39.213912 -84.451534

Region: Arlington Heights

Owner: RA Hermes Family Partnership
Possibly State of Ohio and/or Schweitzer Construction Company dependent on extent of placed waste

Operation (yrs): 1970 – 1978



FACILITY OVERVIEW

The site is bordered by the West Fork of the Mill Creek on the east and south. The site is south of Clark Street and east of I-75N. According to a May 13, 1970, letter the site was originally a gravel pit of approximately 12 acres and was approximately 30 ft. deep. After review of aeriels the site appears to have been mined starting in the 1950's and continuing into the 1960's. In 1963 the site exists as a "lake", however in 1969 the "lake" has been filled in and I-75 has been constructed.

The fill was approved by Arlington Heights zoning in a letter dated June 11, 1970, by ODH in a July 15, 1970 letter, and in a letter dated July 24, 1970 Schweitzer Construction made application for a license with Hamilton County Board of Health. The fill was used for disposal of Philip Carey Corporation and later Celotex. Materials include asphalt, asphalt impregnated paper, roofing shingles, and asbestos-cement slurry. This material was then covered daily with onsite material and construction materials from Schweitzer Construction. Detail plans for proposed modifications to the landfill along with an application for permit to install was received by the OEPA December 20, 1974, and approved in a March 6, 1975, letter. Figure 3.19.1-A shows aerials from 1973 and 1974 when the landfill was in operation.

FIGURE 3.19.1-A



According to a September 14, 1984, letter from the OEPA the site had a record of "poor operational compliance". Review of inspections performed from 1971 through 1977 indicated inadequate cover, improper grading, and waste in the Mill Creek. In a letter dated December 21, 1977, the Village of Arlington Heights notified the landfill that they must cease acceptance of waste by the end of the year due to complaints and violations. During a January 10, 1978, meeting Schweitzer landfill, Arlington Heights, Hamilton County Board of Health, and the OEPA agreed that no waste would be disposed of after July 15, 1979 (*this is probably a typo and should be July 15, 1978*) and that no asbestos material could be accepted. In a January 12, 1978, letter to Mr. Schweitzer HCGHD indicated that asbestos material had been found in the landfill. Two additional inspections of the landfill were made in August and September of 1978 during which the operator was told to place additional cover and to grade certain areas of the landfill. Figure 3.19.1-B shows an aerial photo from 1980 after the facility had been closed. Figure 3.19.1-C shows the present-day topography of the site.

FIGURE 3.19.1-B



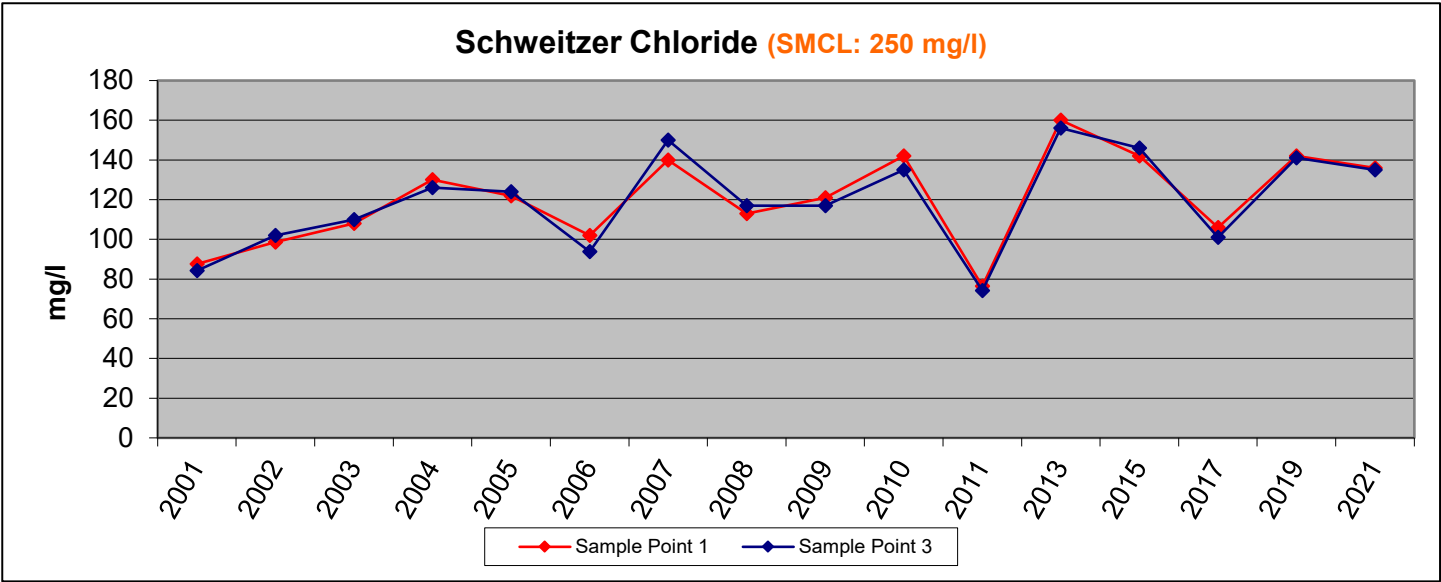
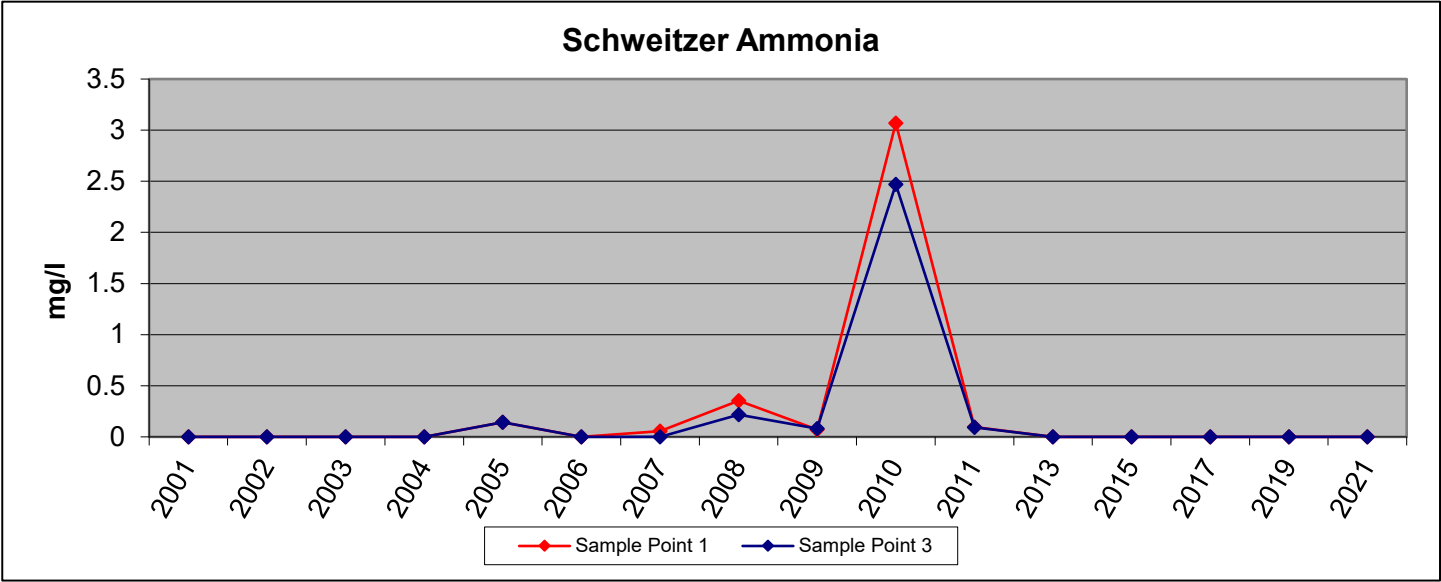
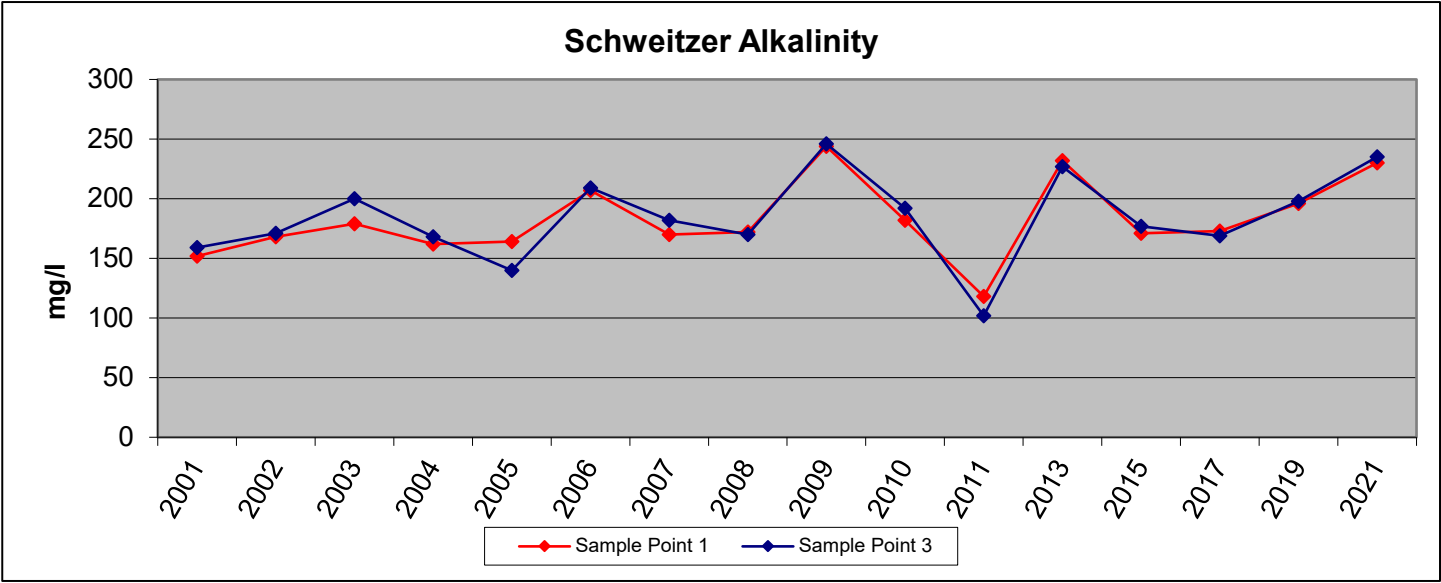
FIGURE 3.19.1-C

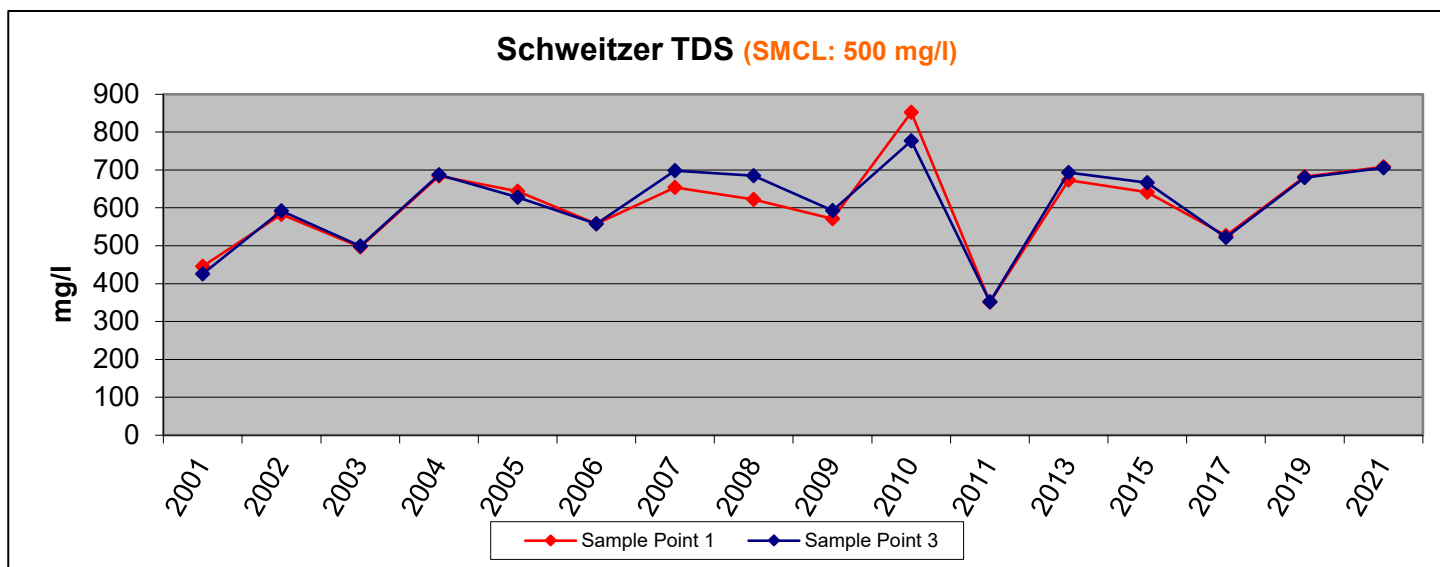
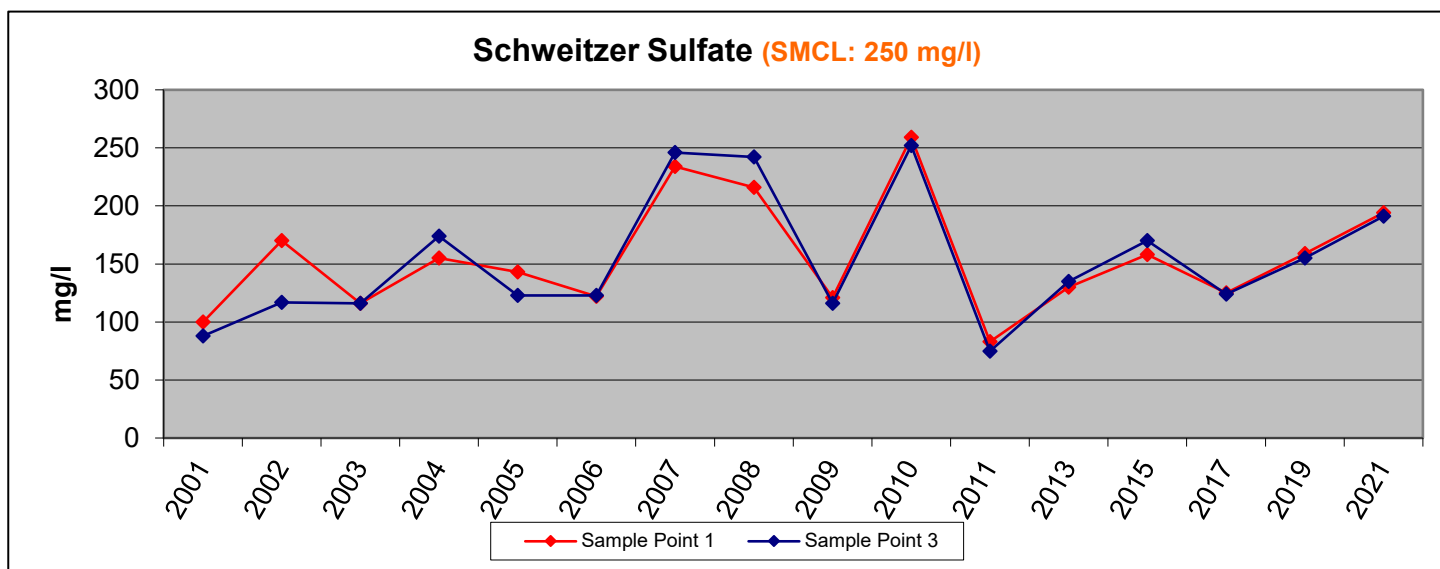
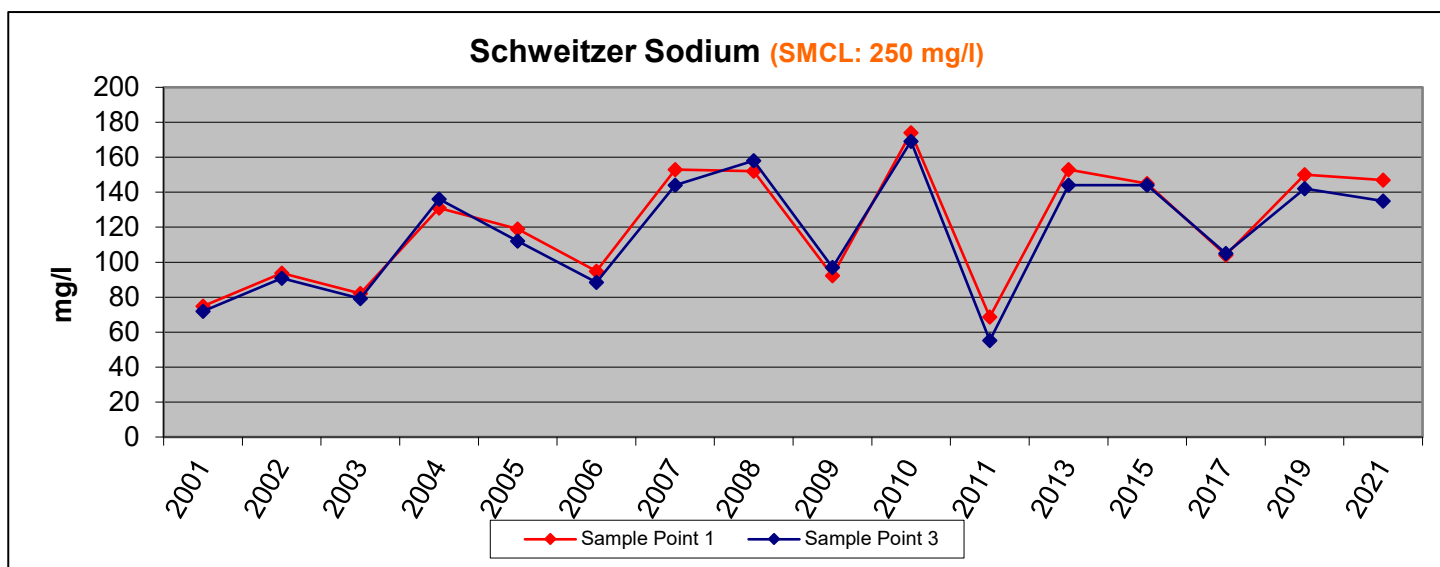


SAMPLING RESULTS

The Mill Creek flows along the east and south side of Schweitzer Landfill from north to south. Steep banks border each side of the creek in this area. The creek was sampled above and below the landfill. The sample location (S-1) upstream and north of the landfill is located near the Clark Road Bridge. The sample site is characterized as a pool, just north of a spillway, with a rocky bottom. The mid-landfill sample location (S-2) has not been sampled since 2001. S-3 is below the landfill, under and south of Galbraith Road, and below a spillway. The southern sample site (S-3), is an area with both shallow, rocky riffle areas and 2-4 foot deep pools. Access to the shallow riffle areas is occasionally not possible depending on stream conditions (flow volume, depth of pools, etc). Samples around Schweitzer Landfill were collected on October 13, 2021 (Appendix A). The samples were collected during normal flow as the area had received approximately 1.5 inches of rain during the previous 14 days, none of which occurred over the 5 days prior to sampling. The referenced locations are shown on Figure 3.19.1-D.

For 2021, TDS again exceeded the SMCL (500 mg/L) in both the upstream and downstream sample. TDS has exceeded the SMCL at both sample locations during the vast majority of sampling events. Manganese concentrations exceeded the SMCL of 0.05 mg/L at sample locations 1 (0.0878 mg/L) and 3 (0.0632mg/L). Prior to 2021 sampling, manganese concentrations had not exceeded the SMCL at either location since 2015. Iron concentrations have increased at both sampling locations during each of the last three sampling events (2017, 2019, 2021) and remain above the SMCL of 0.3 mg/L. However, concentrations show an obvious decrease when comparing upstream to downstream over these same sampling events. All other parameters were below their respective MCL's, SMCL's, and Action Levels as well as within the ranges historically observed at the site. Prior to this year's sampling, boron concentrations had increased at both sampling locations during each sampling event from 2013 to 2019. Results of 2021 monitoring revealed decreasing concentrations at both locations to the lowest levels observed at each location. Alkalinity and sulfate continued the recent, 2 sampling event, trend upwards but remain within historic ranges for the site. Conversely, chloride and sodium concentrations both showed a slight decreasing trend in 2021 after increases in 2019 at both sample locations. Surface water chemical data is illustrated for Schweitzer Landfill in the graphs on the subsequent pages.





The Schweitzer Closed Landfill is bordered by the Mill Creek from north to south along the eastern boundary. I-75 borders the western edge of the landfill also from north to south. Between the landfill and I-75 is a drainage ditch, which drains to the Mill Creek. The nearest occupied structure to the landfill lies on the other side of I-75 approximately 500 feet away. Access to this area is impractical at this time. Therefore, no gas monitoring is performed at this landfill.

SITE INSPECTIONS

The site was inspected by HCPH on December 6, 2021. Due to the site's location and current use (restricted access storage facility) most areas of the landfill cannot be accessed. No violations or nuisance conditions were observed on the site.

SITE PRESENT DAY

Today the property has a storage facility on top of the former landfill. Commercial buildings and equipment/material storage areas occupy the eastern portions of the property.

Storage Facility



Sample Point 1



Figure 3.19.1-D

Schweitzer Closed Landfill 325 Clark Road

◆ = Surface Water Sampling Location

— = Approximate Limits of Waste

