

6.22 **Unit Type:** SWMU-22 - George Road Sewage Treatment Plant.

Regulatory Status: SWMU, active. The site is operated under Ohio permit #3I000000BD.

A. **Unit Description:** The treatment plant consists of two Imhof tanks, two trickling filters, and a clarifier. Sludge is dried in a "greenhouse" type structure and spread over land.

B. **Age:** 48 years.
Period of Operation: 1941 to present.

C. **Waste Type:** NPDES regulated wastewater.

Waste Volume/Capacity: The design capacity is 350,000 gallons per day. The present normal operation is 150,000 to 200,000 gallons per day. Approximately 1,200 cubic feet of sludge is land spread every 3 years.

Waste Constituents: Domestic sewage.

D. **Release Controls:** Sludge is dried in a "greenhouse" type structure and then spread over land.

E. **Release History:** None documented.

F. **Conclusions**

Soil/Groundwater: There is a low potential for releases to soil and groundwater from this unit. Unit is a sewage treatment plant.

Surface Water: Effluent from this treatment plant is discharged to a receiving stream. Unit has an NPDES permit.

Air: There is a low potential for releases to air from this unit.

Subsurface Gas: There is no potential for the generation of subsurface gases.

G. **VSI Observations:** The following observations were made by M&E (See Photographs 32 and 33):

- Design of the unit is of the gravity-fed type.

According to Mr. Chanda, the beds have needed cleaning only twice in the last 10 years.

H. Sample Results: This unit has an NPDES permit with the following daily effluent limitations: BOD, 15 mg/l; TSS, 18 mg/l; Nitrogen, 3 mg/l; and coliforms, 2000 mg/l.

I. Suggested Further Actions: No further actions are needed at this time.

References: 32, 40