

Removal of PCB Contaminated Soil

City of Ironton – Ironton, OH - \$2.3 million

Overview: Water Quality Systems, Inc. was hired to demolish, remove, transport, and dispose of PCB contaminated soil at the 25 acre former Ironton Iron and Metals facility. Low level PCB waste was sent to a local landfill and the PCB soil above 50 ppm went to Heritage Landfill. WQS wrote the approved Site Health and Safety Plan and Work Plan. Over 1,000,000 sf of concrete was removed, crushed, and used as backfill. All equipment used onsite, including concrete crushing equipment is owned by WQS. There were three buildings on site to be removed. WQS coordinated all trucking and disposal of contaminated materials.

WQS utilized three tracked excavators, concrete crusher, radial stacker, track loader, hoe ram, 2nd member shear, dozer, compaction equipment, and a skid steer.

Scope:

- Grading, cut/fill
- Demolition of 3 structures
- Removal of PCB Waste
- Import of Fill Materials
- Crushing of 1,000,000 sf of concrete slab
- 20,000 cy removal and crushing of concrete foundation
- Erosion Control Management

Key Issues:

- Relocation of waste

Contaminates:

- Heavy Metals
- PCB's
- VOCs

Permit Requirements:

- Local demolition Permits
- Utility Clearances
- Disposal Permit

Regulatory Agencies:

- Ohio EPA
- USEPA Region V
- Ohio VAP
- TSCA

