Department of Toxic Substances Control

Quemetco Corrective Action Overview

Dot Lofstrom, Division Chief
Phil Chandler, Senior Engineering Geologist (Supervisor)
Department of Toxic Substances
Control Offices

- Sacramento Field Office
  - 170 staff
- Clovis Satellite Office
  - 10 staff
- Berkeley Field Office
- Chatsworth Field Office
  - 40 staff
- Cypress Field Office
  - 80 staff
We Clean Up Sites Using Many Programs

- RCRA sites
- Federal Facility sites
- Superfund sites
- Brownfield sites
- Underground Storage Tank sites
- State sites

REUSE
Primary Federal Statutes

CERCLA
Superfund
Past releases
Defines cleanup
Process

RCRA
Hazardous waste management
Corrective Action (but managed under Cleanup at DTSC)
Department of Toxic Substances Control

Quemetco Corrective Action

Phil Chandler, Senior Engineering Geologist (Supervisor)
Quemetco

Project Description

- Located at 720 South 7th Ave. City of Industry, CA
- Approximately 15 acres of land in industrial and residential mixed use area
- Quemetco has been in operation since 1959.
BACKGROUND

- 2004: sampled soil, dust, and sediment
- Results: elevated lead concentrations (up to 52,000 mg/kg).

- 2005: Emergency interim measures to remove or cover lead-contaminated soil, dust, and sediment.

- 2012: Re-sampled; found recontamination
- Required emergency interim measures (IM) to remove lead-contaminated soil, dust, and sediment
Quemetco Aerial Photographs
DEPOSITION RATE CONTOURS
1991 ENFORCEMENT SAMPLING MAP
NEXT STEPS - QUEMETCO

- Expand airborne deposition/accumulation sampling to one mile radius
- San Jose Creek sediment and hardscape sampling
- Gutterbox sediment sampling
- On-going ground water monitoring
One mile radius
Department of Toxic Substances Control

Quemetco Permit Renewal Overview

Rizgar Ghazi, Division Chief
Farshad Vakili, P.E. Project Manager
Permitting and CEQA Process

- Permit Application Review
- Preparation of California Environmental Quality Act (CEQA) Document
- Public Review
- Final Permit Decision
- Final CEQA Decision
- Permit Appeal
Permitting and CEQA Process

1. Permit Application
2. Initial Review
3. Technical Review
4. Draft Permit
5. Determine CEQA Applicability
   Prepare Initial Study
6. Prepare Environmental Impact Report Supplement or Addendum
7. Public Notice/Meeting
8. Response to Comments
9. Final permit Determination & File Notice of Completion
10. Permit Appeal
Quemetco Operation

- Quemetco is a lead-acid battery recycling facility.
- Lead is recovered from automotive batteries and other lead bearing materials received from off-site and from slag generated on-site.
- Batteries are crushed and lead components are separated from other battery parts in sink/float tanks.
- Lead is sent to a smelting furnace to make ingots.
- Electrolytic fluids are sent to onsite water treatment plant.
Quemetco Aerial Photographs
Permitted Activities

- Treatment and Storage
- Other Treatment Units (Dryer Kiln, Furnaces, Chip Dryer Unit)
- Post Closure Unit
Permitted Units

• 45 Permitted Units
  - Battery Storage Area
  - Containment Building
  - Two Furnaces (Reverberatory, Slag Reduction)
  - Battery Wrecker (11 tanks, 1 Sump)
  - Wastewater Treatment Plant (28 tanks)
  - Rotary Dryer (Kiln)

• 2 Post-Closure Units
  - Surface Impoundment
  - Former Waste Pile
New Permit Application

- Quemetco provided DTSC a Permit Renewal Application dated March 12, 2015
- DTSC reviewed the Application for Administrative Completeness and sent a Notice of Deficiency on April 7, 2015
- Quemetco sent a revised Application on May 13, 2015
- DTSC sent a Administrative Completeness Determination on June 9, 2015
- DTSC is currently reviewing the application for technical completeness.
- Public Comment Period January 2017
- Final Permit decision by June 30, 2017
DTSC Project Contacts

Project Manager Corrective Action

- Phillip Chandler, P.G. (Senior Engineering Geologist)
  (818) 717-6608

Office of Permitting

- Farshad Vakili, P.E. (Project Manager)
  (916) 255-3612