



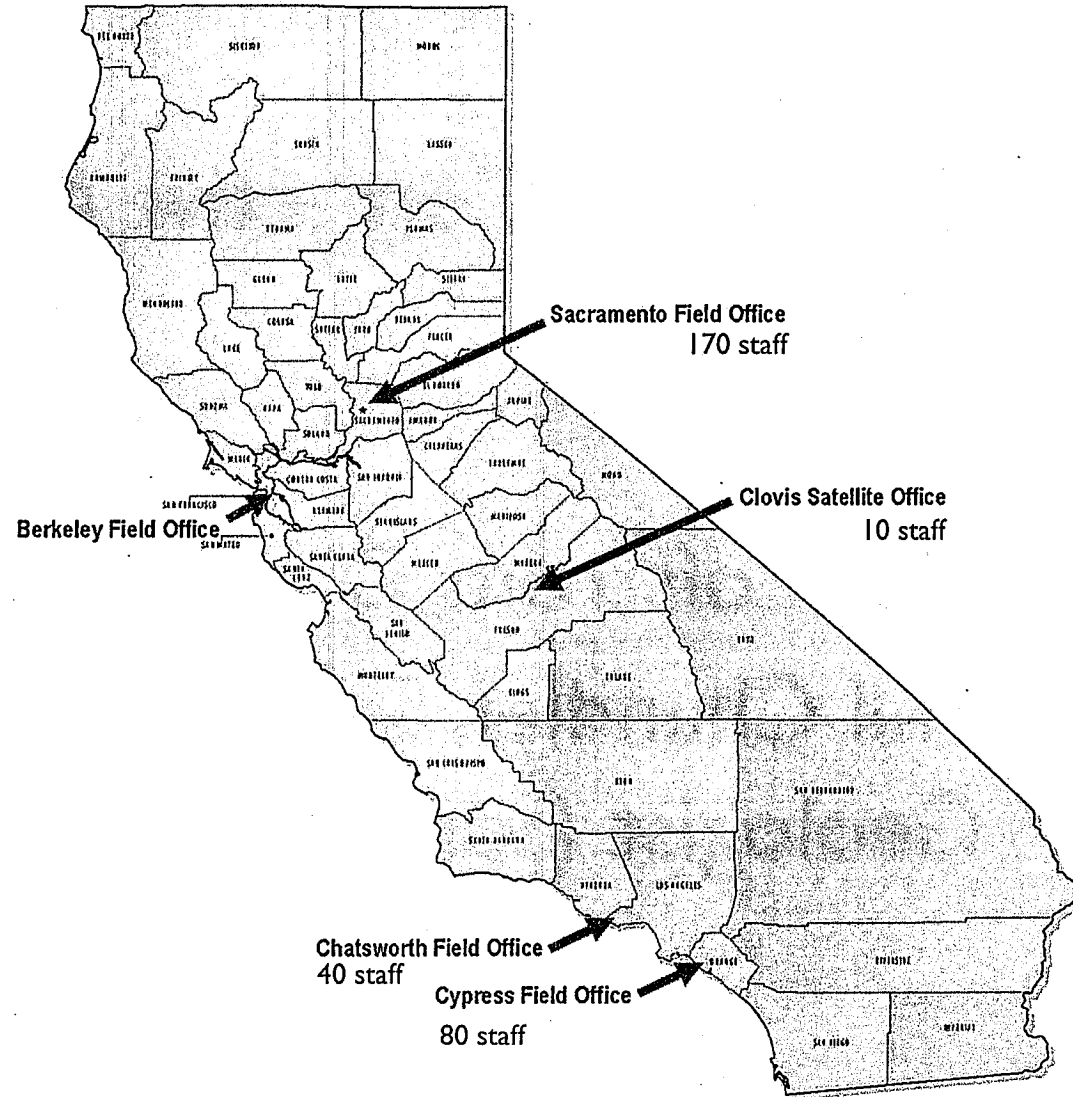
# Department of Toxic Substances Control

## Quemetco Corrective Action Overview

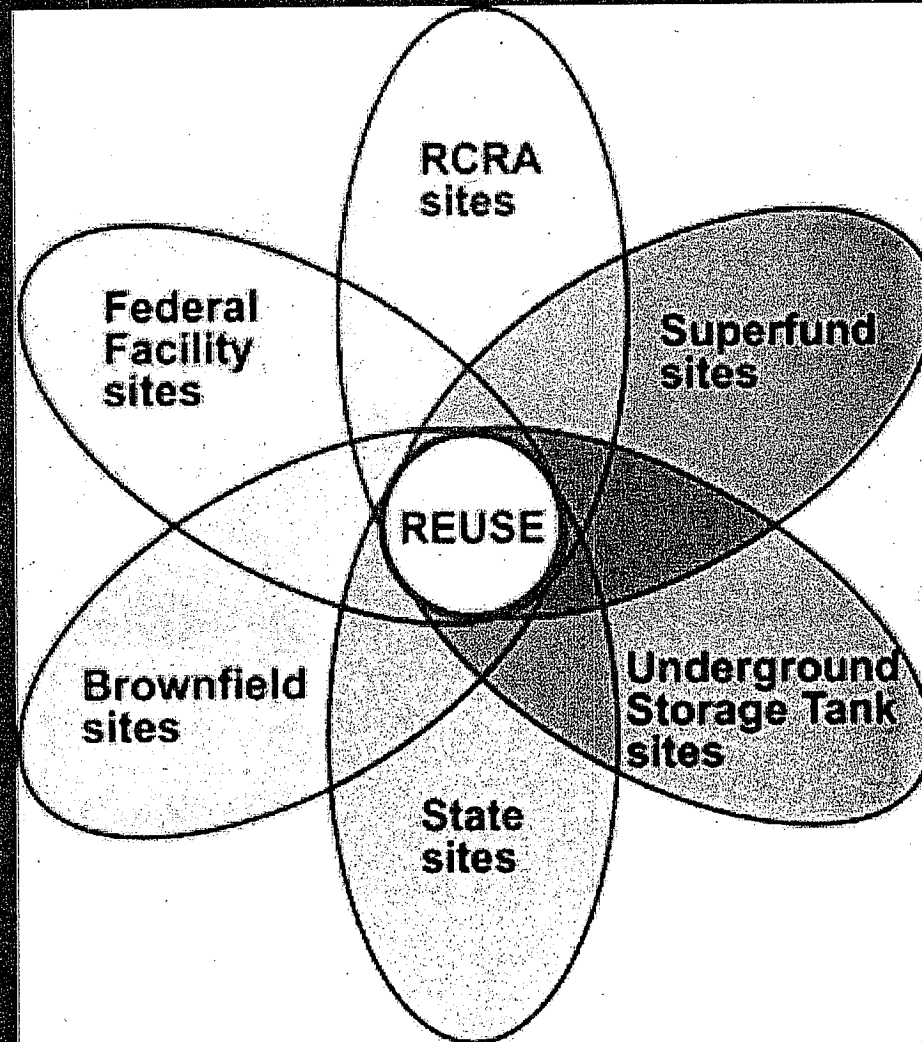
Dot Lofstrom, Division Chief

Phil Chandler, Senior Engineering  
Geologist (Supervisor)

# Department of Toxic Substances Control Offices



# We Clean Up Sites Using Many Programs





# 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

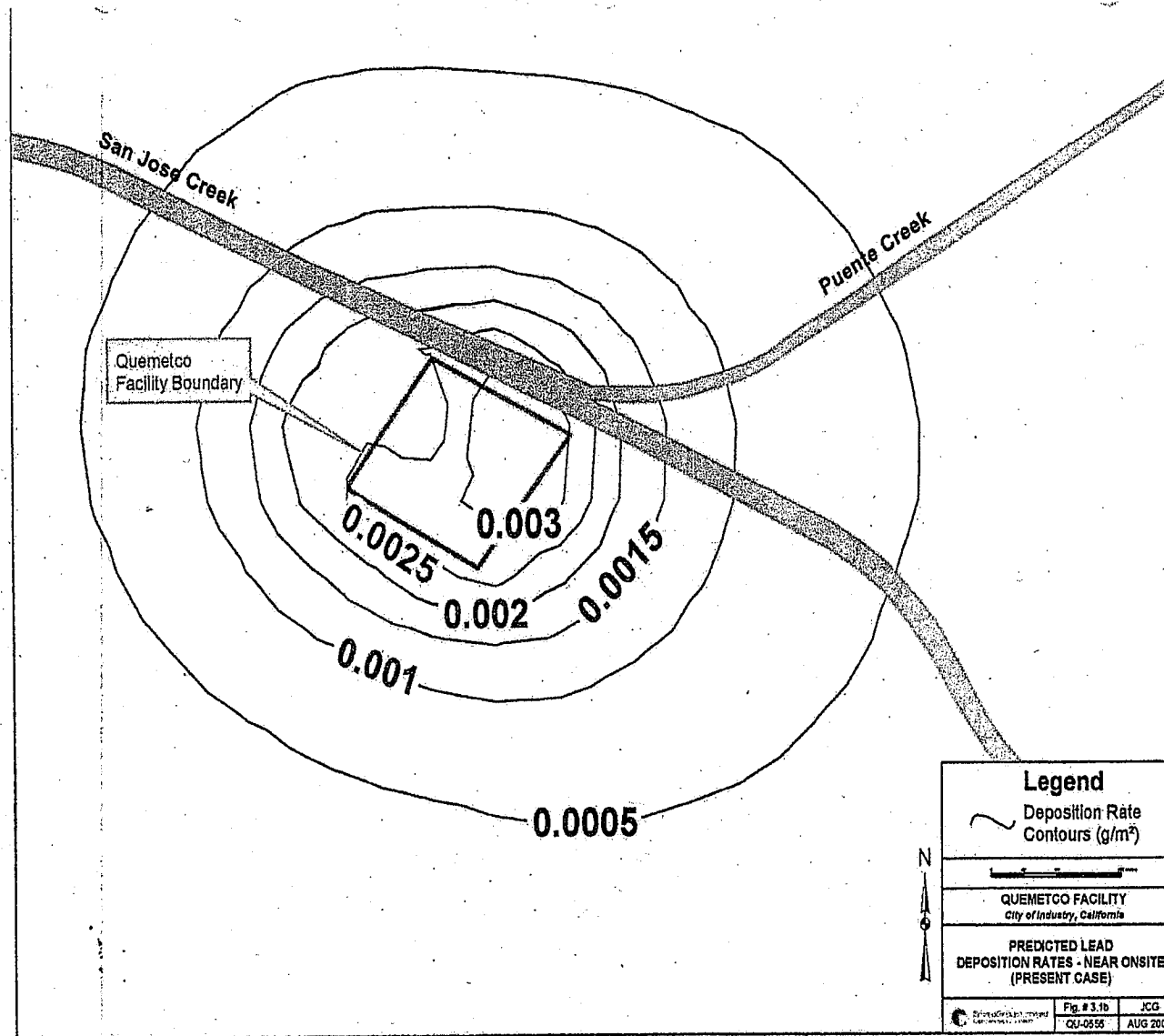
- 2004: sampled soil, dust, and sediment
- Results: elevated lead concentrations (up to 52,000 mg/kg).
- 2005: Emergency interim measures to remove or cover lead-contaminated soil, dust, and sediment.
- 2012: Re-sampled; found recontamination
- Required emergency interim measures (IM) to remove lead-contaminated soil, dust, and sediment

# Quemetco Aerial Photographs

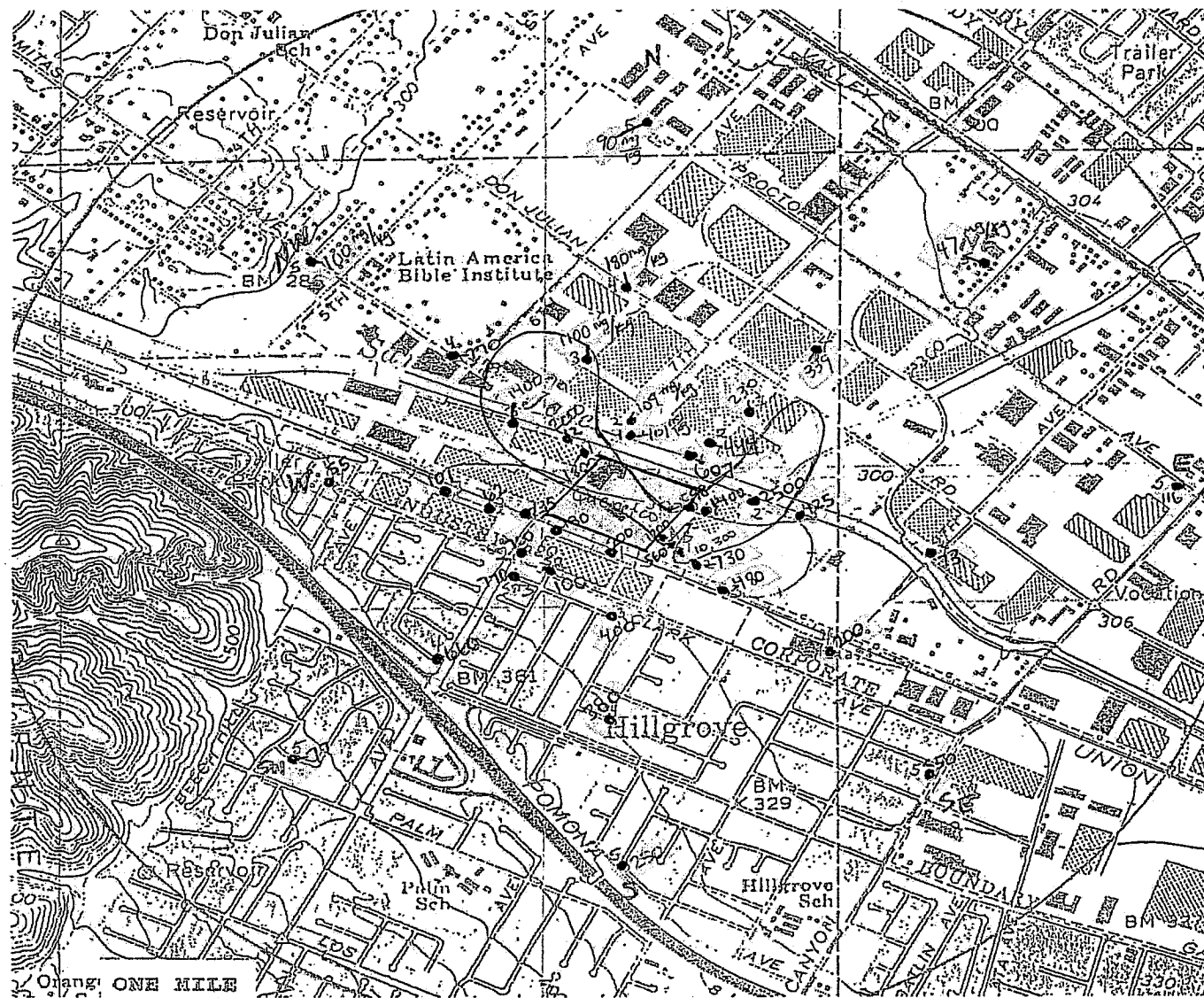




# DEPOSITION RATE CONTOURS



# 1991 ENFORCEMENT SAMPLING MAP

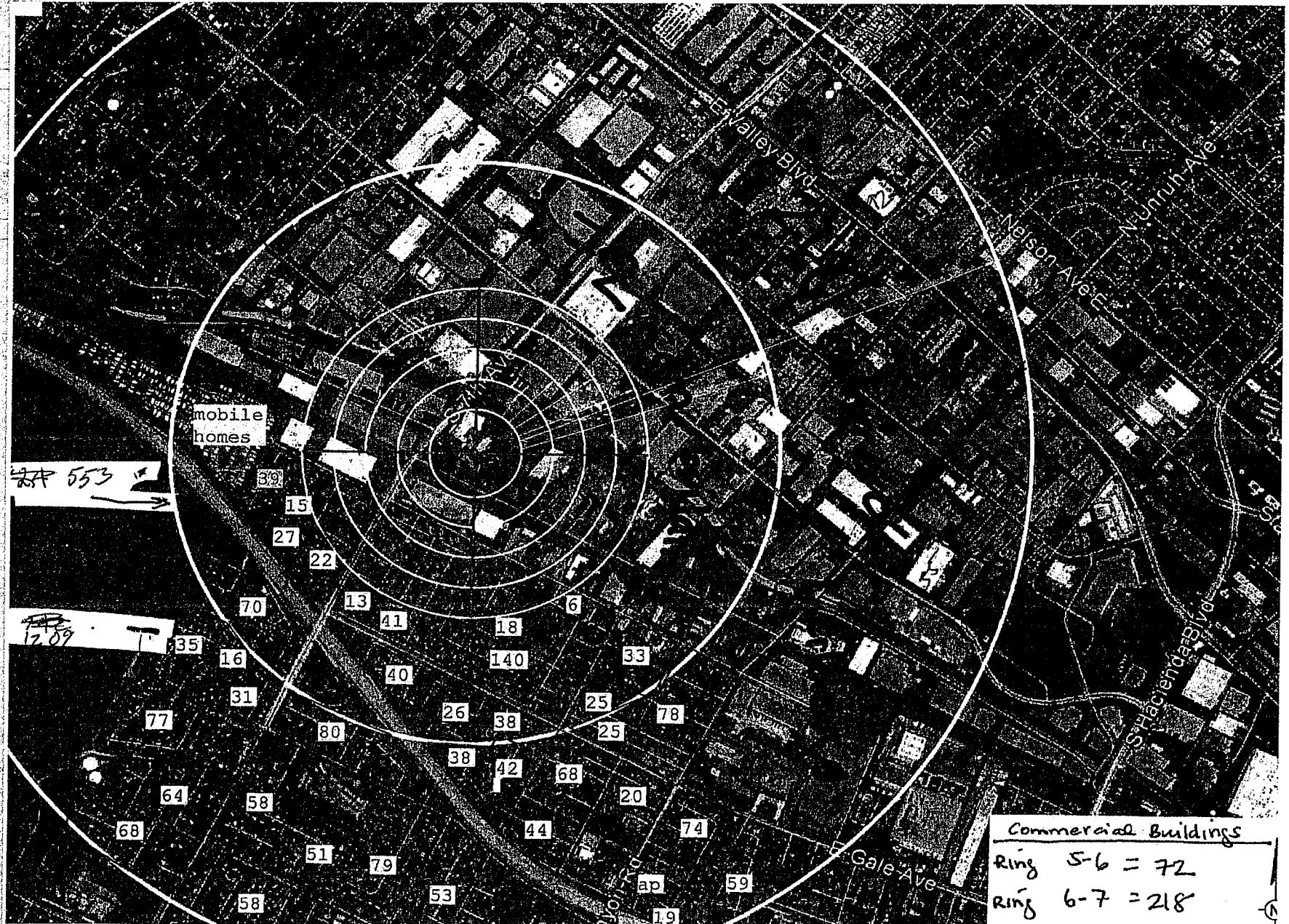




# NEXT STEPS - QUEMETCO

- 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

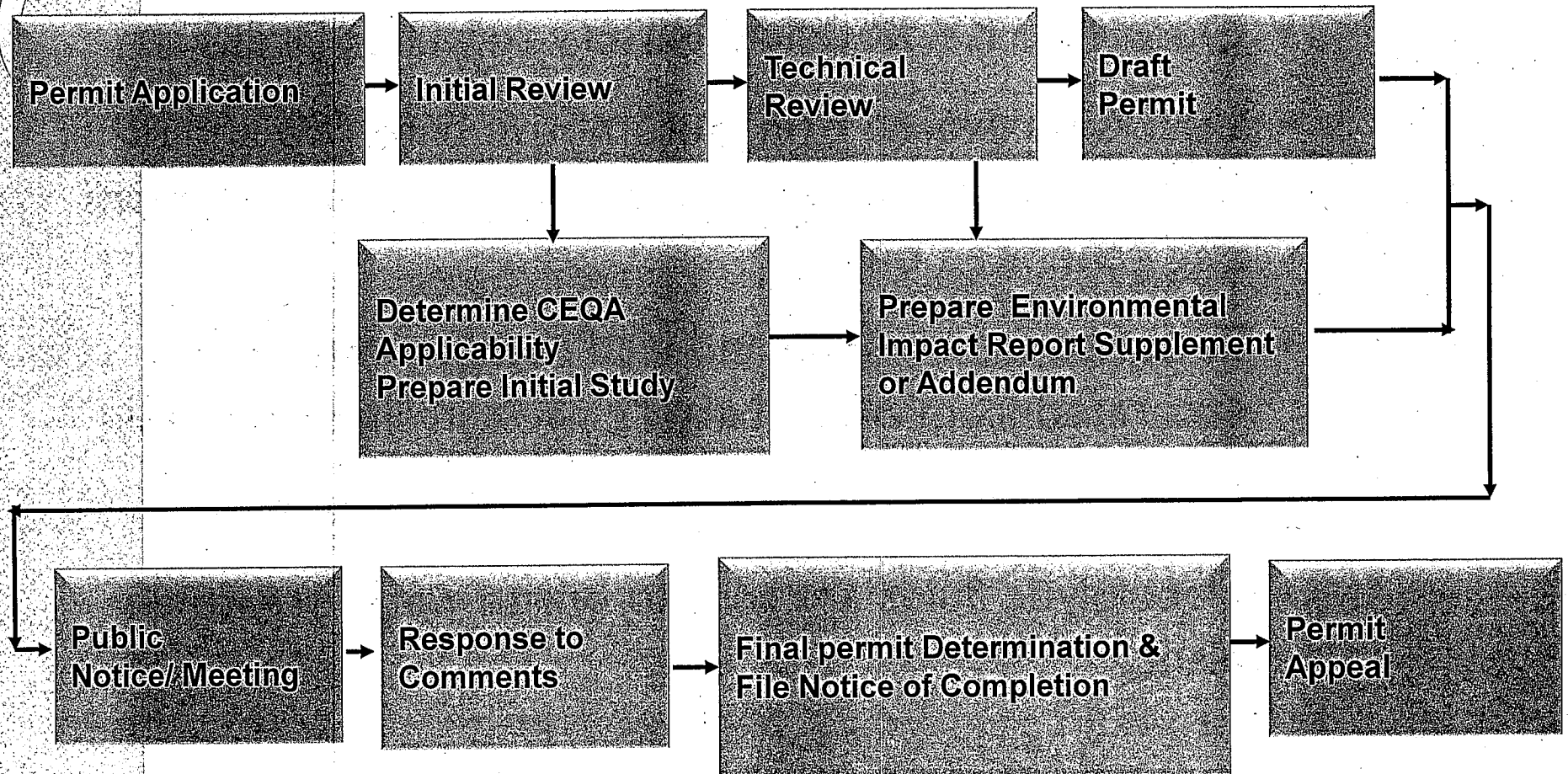
Farshad Vakili, P.E. Project Manager

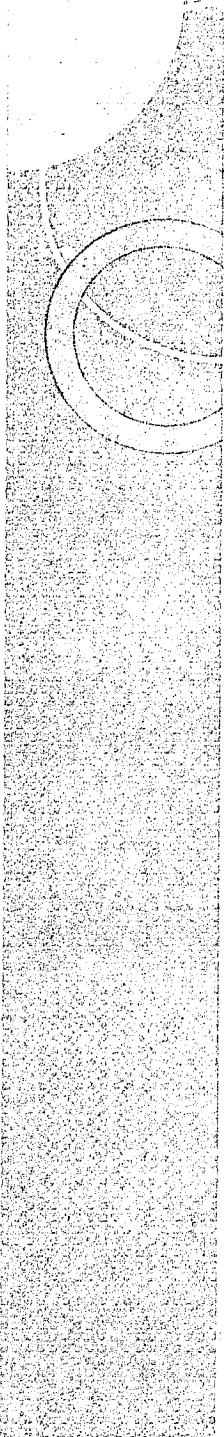


# Permitting and CEQA Process

- 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



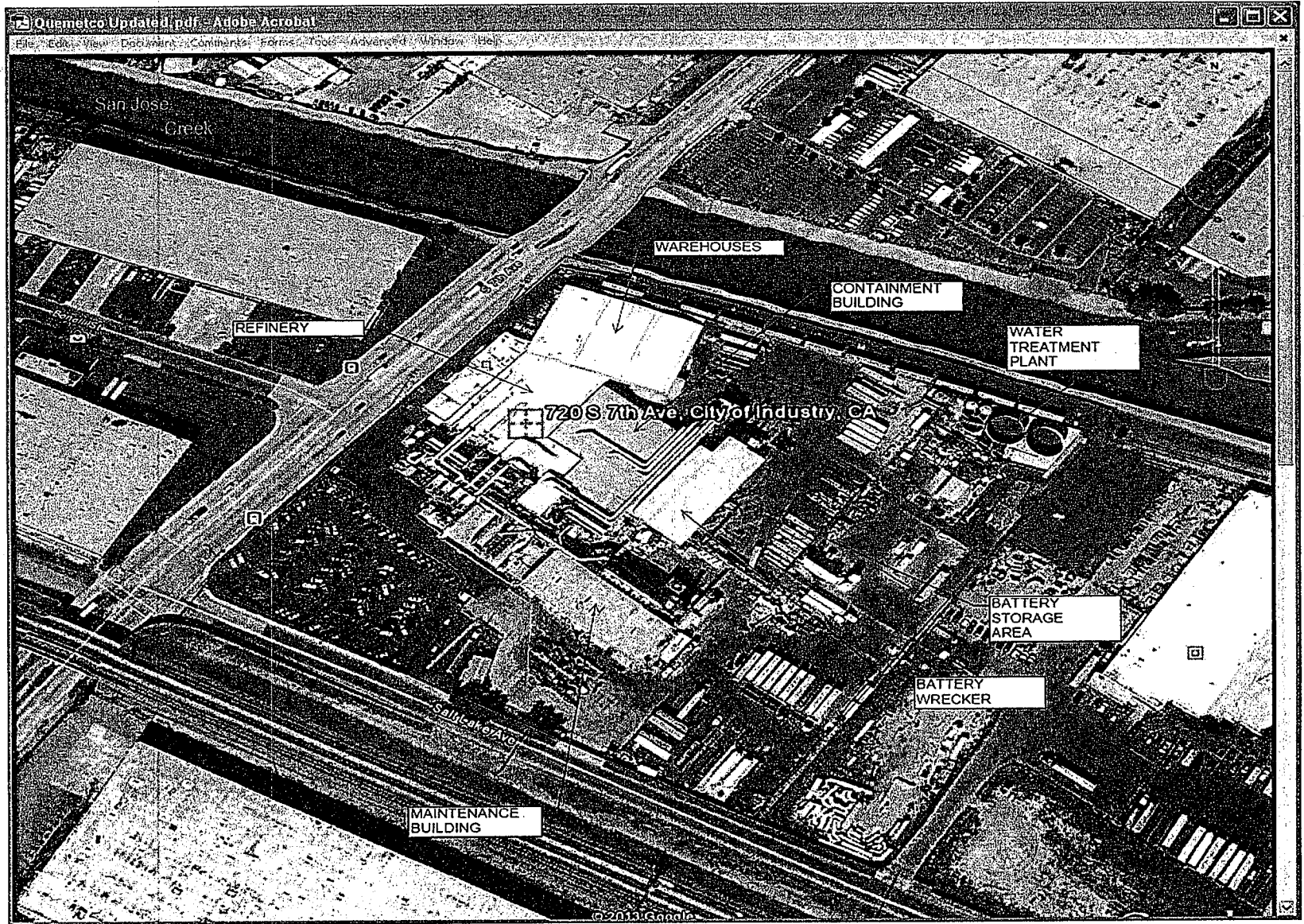


# Quemetco Operation

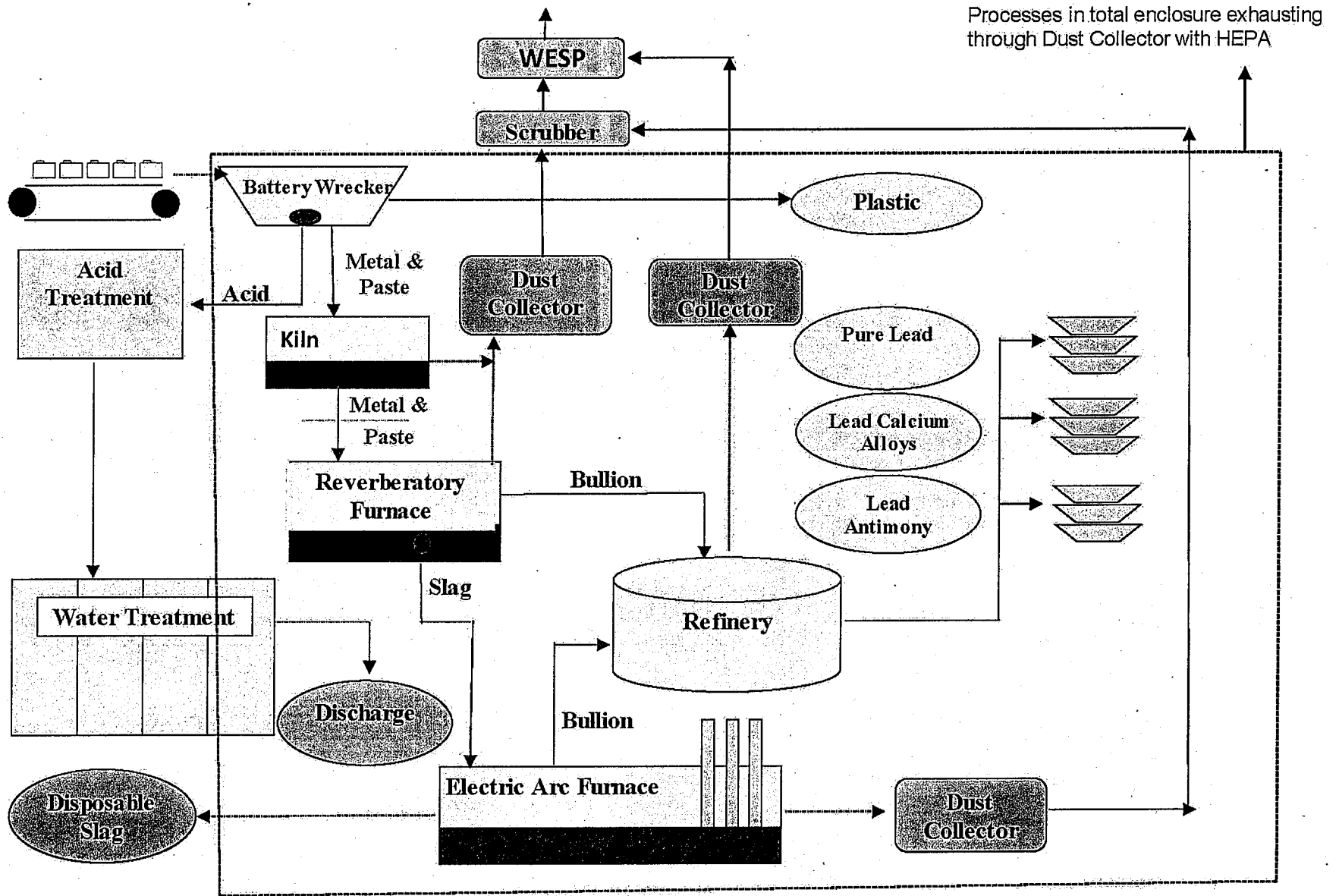
- Quemetco is a lead-acid battery recycling facility .
- Lead is recovered from automotive batteries and other lead bearing materials received from off-site and from slag generated on-site.
- Batteries are crushed and lead components are separated from other battery parts in sink/float tanks
- Lead is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



# Quemetco Aerial Photographs



# Quemetco, Inc. Battery Reclamation Process





# 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**