



Chronology of Closure

- ✓ **Jul, 2015:** Revised Draft Closure Plan
- ✓ **Aug, 2015:** DTSC reviewed with proposed edits
- ✓ **Sep, 2015:** Presented to Advisory Group and
Technical Advisor for input
- ✓ **Oct, 2015:** DTSC proposed changes on Closure Plan
- ✓ **Nov, 2015:** Re-revised Closure Plan to DTSC
- **Dec, 2015:** Public Notice of Closure Plan and
Draft Environmental Impact Report (EIR)



Closure Plan-Input Requested

DTSC is working with a technical committee from the Advisory Group on the best option for Removal of Lead in Kettles

There are 13 Kettles weighing 3 tons each, with varying amounts of lead:

- 6 Kettles have less than 12 tons of lead
- 3 Kettles have less than 20 tons of lead
- 1 Kettle has 30 tons of lead
- 1 Kettle has 50 tons of lead
- 1 Kettle has 65 tons of lead
- 1 Kettle has 100 tons of lead



Closure Plan-Input Requested

- Lead solidified because the facility has not operated since April 2014
- Removal Options under consideration:
 - Manual Demolition
 - Water Cutting
 - Re-melting



Options to Remove Lead in Kettles:

Manual Demolition	Water Cutting	Re-melting
Person inside kettle uses high pressure air to cut lead	Person inside kettle uses high pressure water to cut lead	Use existing natural gas burners to heat and pump lead out of kettles



Options to Remove Lead in Kettles Safely

Topic	Manual Demolition	Water Cutting	Re-melting
Employee Risk	Person enters kettle, confined space entry; potential for injury while cutting/moving lead and elevated lead in blood	Person enters kettle, confined space entry; potential for injury while cutting/moving lead and elevated lead in blood	No people enter kettles, minimal risk to employees; using existing equipment and historically safe procedures
Air Emissions	Potential for high fugitive dust Emissions from stack managed by existing baghouses and associated HEPA secondary filtration	Low potential for fugitive dust Emissions from stack managed by existing baghouses and associated HEPA secondary filtration	Very low potential for fugitive dust Emissions from stack managed by existing baghouses and associated HEPA secondary filtration



Options to Remove Lead in Kettles Safely

Topic	Manual Demolition	Water Cutting	Re-melting
Rate of Removal	800 hours to cut 100 tons of lead	400 hours to cut 100 tons of lead	50 hours per 100 ton kettle
Time to Remove	63 weeks @ 5-days per week	Several months to build equipment, +32 weeks @ 5-days per week	~ Two weeks @ 5-days per week
Water Management	Collect and treat water used for dust control	Collect and treat 72,000 gallons/day of water containing lead grit	Collect and treat water used for dust control, if any needed



Public Process

Overview of Public Process

- **Public Comment Period**
 - 60 days (December 2015 - February 2016)
 - Public provides written comments on the Draft Closure Plan and the Draft EIR to DTSC
- **Public Hearing**
 - Hearing will be held in January, 2016
 - Public may present written or oral testimony for the official record



Public Hearing

What Happens at the Public Hearing

- Public is provided an opportunity to comment in writing or in person at the hearing
- Court Recorder will capture all oral comments
- DTSC will review all comments and questions received during the public comment period and at the public hearing
- A written response will be published for all comments and questions in the official Response to Comments document