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Quemetco, Inc

Class II Permit Modification - Dewatering Equipment
September 17, 2021
Virtual Public Meeting

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Language and Captions

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- ▶ Automated closed captions have been turned on for this meeting. Click the “CC” icon and “show subtitle”. You can turn them off by clicking the “CC” icon and “hide subtitle”.
- ▶ You understand that this meeting is being recorded.

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What are the goals of this meeting?

- ▶ To provide information about Quemetco's request for approval from DTSC to install and operate a compressor auger and a centrifuge for improved treatment of lead bearing materials.
 - ▶ This proposed dewatering equipment will provide for improved treatment of lead bearing materials by removing and containing liquids from these materials prior to storage in the Containment Building.
- ▶ To provide information about the submission of written comments to DTSC regarding Quemetco's request to DTSC to modify its permit to authorize the treatment of waste in these two units.
 - ▶ All comments need to be submitted to DTSC in writing. We will do our best to answer clarifying technical questions raised during the presentation. Any questions that we are unable to respond will be provided to DTSC.

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Where to access Quemetco's Permit Modification Request

- ▶ DTSC Envirostor Database (search Quemetco, click Activities tab)
<https://www.envirostor.dtsc.ca.gov/public/>
- ▶ Quemetco website (in the Resources tab)
<https://www.quemetco.com/resources/>
- ▶ La Puente Library, 15920 E. Central Ave., La Puente, CA 91744
- ▶ DTSC's offices, 9211 Oakdale Ave., Chatsworth, CA 91311

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Agenda

- ▶ Project Background
- ▶ Battery Wrecker (BW) System Overview
- ▶ Review Existing Process Flow
- ▶ Review Proposed Modification to BW Process Flow
- ▶ Equipment Description
 - ▶ Compression auger
 - ▶ Centrifuge
- ▶ Benefits of Project

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Project Background

- ▶ In February 2021, Quemetco sought temporary authorization from DTSC to install and operate these units on a temporary basis (180 days).
- ▶ DTSC approved Quemetco’s temporary authorization request in April 2021, allowing Quemetco to begin operating this new equipment.
- ▶ An appeal was filed in May 2021 challenging DTSC’s grant of temporary authorization. Pending resolution of this appeal (which is still pending), Quemetco has ceased the treatment of waste in these new units.
- ▶ Quemetco has now submitted a full Class 2 permit modification request to DTSC, seeking permanent approval to operate this new equipment.

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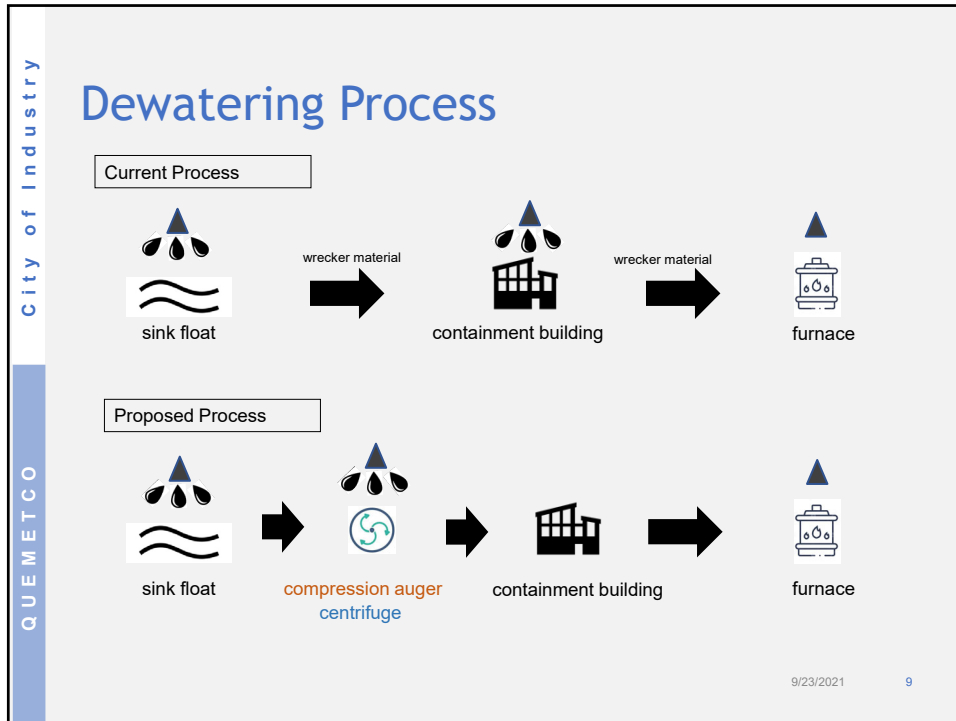
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Battery Wrecker System

- ▶ Battery Wrecker processes spent lead acid batteries by crushing the batteries allowing recovery of the following materials:
 - ▶ Plastic
 - ▶ Metal components (wrecker material)
 - ▶ Sulfuric Acid
- ▶ Currently the metal components are stored in a permitted containment building for drainage of liquid prior to feeding the material into smelting furnaces to recover the lead
- ▶ Proposed dewatering equipment will remove liquid from the metal components (wrecker material) before storing it in the containment building. The proposed equipment consists of two units:
 - ▶ Compression Auger
 - ▶ Centrifuge

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The Compression Auger

- ▶ The Compression Auger is a unit designed to receive wet lead-based wrecker material from the sink float tank and compress the material to remove liquid.
 - ▶ Designed to compress wrecker material to separate liquid by reducing the area between auger flights
 - ▶ Liquid will flow to acid recovery operation of battery wrecker
 - ▶ Solids will discharge to the centrifuge
- ▶ The Compression Auger will operate within the existing Battery Wrecker Building, a building already permitted by DTSC for the storage and treatment of hazardous waste. This building features secondary containment to capture any liquids released from the compression auger and operates under negative pressure to control emissions from operations within the building.

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The Centrifuge

- ▶ The Centrifuge is a unit designed to receive material from the compression auger and spin the material to further separate additional liquid from the lead-based wrecker material.
 - ▶ Designed to spin the wrecker material to further separate liquid using centrifugal force
 - ▶ Liquid will flow to acid recovery operation of battery wrecker
 - ▶ Solids will discharge to the containment building
- ▶ The Centrifuge will operate within the existing Containment Building, a building already permitted by DTSC for the storage and treatment of hazardous waste. This building features secondary containment to capture any liquids released from the centrifuge and operates under negative pressure to control emissions from operations within the building.

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Environmental Benefits of Proposed Equipment

- ▶ Currently, the lead-based wrecker material is transferred by auger directly to the Containment Building floor. The wrecker material, containing free liquid, is staged in piles in the Containment Building to allow drainage of liquids from the material prior to feeding into the furnace. The liquid drains across the containment building floor to a sump for collection and reuse.
- ▶ The Proposed Equipment will remove free liquid from the wrecker material in an enclosed system to enhance safe and controlled recycling of the liquid.
 - ▶ The compression auger and centrifuge equipment are an enclosed system that removes and transfers liquids in aboveground piping and pump systems.
 - ▶ The equipment while operating will ensure that free liquids are removed from the wrecker material prior to storage in the Containment Building.

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DTSC Public Comment Period September 2 - November 2, 2021

How to submit written questions and comments to the DTSC:

Via mail:
Parisa Khosraviani
Hazardous Substance Engineer, Permitting Division
Department of Toxic Substances Control
8800 Cal Center Drive
Sacramento, CA 95826

Or email:
Parisa.Khosraviani@dtsc.ca.gov