

MINUTES
CENTRAL VALLEY WATER RECLAMATION FACILITY
Wednesday June 26, 2024
Central Valley Board Room
3:00 p.m.

Board Members Present:

Chair Debra Armstrong	Granger-Hunter Improvement District
Vice Chair Don Russell	Taylorville-Bennion Improvement District
Member Kim Galbraith	Cottonwood Improvement District
Member Cheryl Hatch	Kearns Improvement District
Member Keith Lord	Mt Olympus Improvement District
Member Brett Hales	Murray City
Member LeAnne Huff	City of South Salt Lake

Staff Members Present:

Phillip Heck	General Manager
Brandon Heidelberger	Assistant General Manager
Justin Zollinger	Chief Financial Officer
Graham Gilbert	Legal Counsel
Jake Crookston	IT Manager
Kevin Gallagher	Construction Supervisor
Bryan Mansell	Chief Engineer
Navneet Prasad	Electrical Controls Engineer
Chris Reilley	Maintenance Manager

Member Entity Representatives Present:

Greg Neff	Cottonwood Improvement District
Greg Anderson	Kearns Improvement District
Dennis Pay	South Salt Lake City
Giles Demke	Mt Olympus Improvement District
Stephen Rohwer	Mt Olympus Improvement District
Brandon Richards	Murray City
Mark Chalk	Taylorville-Bennion Improvement District

Visitors Present:

Trevor Lindley	Brown and Caldwell Engineers
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Visitors Present Electronically:

Spencer Davies	Department of Water Quality
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A complete copy of each exhibit referred to in these minutes is filed in the official Central Valley Water Reclamation Facility Board Book. Chair Debra Armstrong conducted the meeting. Debra Armstrong led the Pledge of Allegiance.

APPROVAL OF MINUTES

Cheryl Hatch made a motion to approve the minutes of the April 18, 2024 board meeting as presented.

MOTION: Cheryle Hatch
SECOND: LeAnne Huff

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Keith Lord, LeAnne Huff, Brett Hales, Cheryle Hatch and Kim Galbraith.

PUBLIC COMMENTS

No comments were received.

GENERAL MANAGER COMMENTS

- 1. July Board Meeting** – Reminder that due to the 7/24 holiday, the July Board meeting will be held Thursday, July 18th.
- 2. CVWRF Golf Tournament** – Will be held August 12th. A mailer has been sent to all member entities with details. Contact Jeremy Deppe at CVWRF for registration.
- 3. Facility Site Tour** – Will be conducted immediately following the July board meeting.

2024 BUDGET SCHEDULE

Phil Heck presented the 2024 Budget Schedule as shown in the Board Book. It was noted that the schedule incorrectly indicates the final budget adoption will be held on October 23, 2024 at 4:00 p.m. The correct time is 3:00 p.m.

BIOSOLIDS TREATMENT CAPACITY EVALUATION

Dr. Heck presented a PowerPoint using slides created by Brown and Caldwell as part of the study they conducted on the sludge Digestion Process and Energy Optimization.

The existing digester configuration was reviewed showing Digester 5 not operable as part of the primary digester area. In the secondary digester area, the covers for Digesters 1 & 2 are failing and the digesters no longer have working mixing systems. Secondary Digesters 3 and 4 and primary Egg Shaped Digesters 6 and 7 are in good working condition.

The service condition per Utah R 317 (one egg shaped digester out of service), based on volatile solids treatment capacity for the existing mesophilic anaerobic digestion process, does not meet the current volatile solids loading to the plant. Modeling results for the new BNR process, indicate that additional volatile solids will be produced following startup in 2026 and we may exceed the volatile solids loading limit with all primary digesters in service for the peak 14-day average and 30-day average solids loading. There is sufficient hydraulic capacity in the digestion process for peak sludge flow through buildout.

Dr. Heck outlined the recommended future CVWRF digester configuration to upgrade the existing process to provide the required additional volatile solids treatment capacity using a temperature phased anaerobic digestion approach. In the short term (1 to 5 years) the recommendations are to:

- Rehabilitate Digester 5, including mixing, heating, cover replacement, and conversion to thermophilic temperature and place into operation as a primary digester

- Convert egg shaped digesters (ESD) 6 and 7 to thermophilic operation
- Rehabilitate Secondary Digesters 1 and 2 with new covers and mixing systems
- Rehabilitate ESD 6 and 7 insulation and exterior protective skin to prevent water intrusion and corrosion of the steel tanks

With these improvements the digestion process is expected to have the capacity to meet the expected volatile solids loading to the plant under the R317 service condition of one ESD out of service until approximately 2040. Mid-term (5 to 15 years) and Long-term (15+ years) actions to add capacity and improvements the process to achieve Class A biosolids and facilitate food waste co-digestion/biogas production were also discussed.

CAPITAL PROJECTS UPDATE

Mr. Kevin Gallagher presented a drone video of the following projects:

Blower Building Project	BNR Basins Project
Side-Stream Nitrogen Removal Project	Thickening and Straining Building Project
Dewatering Building Upgrade Project	

CLOSED SESSION TO DISCUSS THE LEASE OR SALE OF REAL PROPERTY

At 3:50 p.m., Cheryle Hatch made a motion to go into closed session to discuss the lease or sale of real property.

MOTION: Cheryle Hatch

SECOND: LeAnne Huff

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Keith Lord, LeAnne Huff, Brett Hales, Kim Galbraith and Cheryle Hatch.

At 4:08 p.m., Don Russell made a motion to come out of closed session.

MOTION: Don Russell

SECOND: Kim Galbraith

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Keith Lord, LeAnne Huff, Brett Hales, Kim Galbraith and Cheryle Hatch.

INFORMATIONAL ITEMS

Debra Armstrong stated that financial, performance/flow monitoring, and engineering projects reports are included in the board packet.

There were no comments or questions.

ADJOURNMENT

Keith Lord made a motion to adjourn.

MOTION: Keith Lord

SECOND: Brett Hales

The motion passed with the following individuals voting in the affirmative: Debra Armstrong, Don Russell, Keith Lord, LeAnne Huff, Cheryle Hatch, Brett Hales, and Kim Galbraith.

The meeting adjourned at 4:09 p.m.

Cindie Foote
Board Secretary