

MINUTES

Supervisory Committee Meeting

Thursday, March 28, 2024; meeting held via Teams – 9 a.m.

South Platte Renew (SPR)

2900 South Platte River Drive, Englewood, CO 80110

COMMITTEE MEMBERS PRESENT:

Jim Becklenberg	City of Littleton, City Manager
Mike Gent	City of Littleton, Acting Public Works Director
Victor Rachael	City of Englewood, Public Works Director

COMMITTEE MEMBERS ABSENT:

Shawn Lewis	City of Englewood, City Manager
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STAFF PRESENT:

Erin Bartlett	SPR Public Outreach & Marketing Administrator
Dan DeLaughter	SPR Data & Regulatory Programs Manager
Elizabeth DeWaard	SPR Business Solutions Supervisor
Kevin Engels	City of Englewood, Finance Manager
Stephanie Fevig	SPR Engineer IV
Shannon Harney	SPR Engineer I
Alyssa Hoffman	SPR Procurement Specialist
Zeena Williss Kohr	SPR Engineering Supervisor
Izaiah Kruenegel	SPR Deputy Director – Operations & Maintenance
Victoria McDermott	City of Englewood, Deputy City Attorney
Matthew Montgomery	SPR Attorney, Hill & Robbins
Trudi Peepgrass	City of Englewood, Procurement Supervisor
David Robbins	SPR Attorney, Hill & Robbins
Jamie Safulko	SPR Deputy Director – Engineering
Anna Schroeder	SPR Engineering Supervisor
Amanda Smokoff	SPR Engineer III
Brent Soderlin	City of Littleton, Deputy Public Works & Utilities Director
Pieter Van Ry	SPR Director
Roxanne Ward	SPR Records & Information Specialist

GUESTS:

Cynthia Lane	Platte Canyon Water & Sanitation District General Manager
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I. Call to Order

The March Supervisory Committee meeting was called to order by Pieter Van Ry, SPR Director. Director Van Ry welcomed everyone to the meeting.

II. Consideration of Minutes for Previous Supervisory Committee Meetings

There are no Minutes for approval for March 2024.

III. Action Items

There are no Action Items for March 2024.

IV. Informational Items

SPR staff discussed these informational items with the Committee:

- **Laws Denitrification Pilot Update**
 - Shannon Harney, SPR Engineer I, presented on the Laws Reaeration Basin Denitrification Pilot in partnership with Laws Whiskey House (Laws). This pilot utilizes a carbon-rich waste produced by Laws combined with existing microbial populations to promote denitrification. The pilot goal is to reduce SPR's reliance on methanol to increase resiliency, decrease operating costs, and promote a circular economy between SPR and a community discharger. SPR operated the pilot between February 14-18, 2024, and successfully promoted denitrification. The pilot duration was too short to see a substantial change in methanol dosing; however, the success of denitrification demonstrates the potential to further the pilot in order to assess methanol impacts. SPR has paused the Laws pilot while another pilot is being conducted in the Reaeration Basin, and SPR will develop a strategy to expand the pilot.

- **Influent Hydraulics Flow Measurement Update**
 - Jamie Safulko, SPR Deputy Director - Engineering, presented improvements to SPR's influent hydraulics flow measurements. SPR utilizes two (2) separate Parshall flumes, and measures flow from the Cities of Englewood and Littleton. Parshall flumes typically use a standard Parshall flume equation for measuring flow. However, in 2018, SPR discovered an adjustment parameter in the standard equation while conducting a flow measurement calibration. SPR could not validate or determine justification for the adjustment and, therefore, removed it. Upon removal, SPR saw a discrepancy between influent and effluent flow and began an investigation, which determined through a lidar survey that SPR has non-standard flume dimensions. As a result, SPR and contractor Carollo Engineers, Inc. developed a specific flume rating curve for each flume to provide increased accuracy and precision for flow measurement for both the Cities. Preliminary calculations using the flume rating curve show that plant influent and effluent

flow measurements now match within the acceptable range of accuracy of each flowmeter.

- **Biological Phosphorus Pilot Update**
 - Amanda Smokoff, SPR Engineer III, presented on the Biological Phosphorus Pilot, scheduled to begin in spring 2024. The United States Bureau of Reclamation awarded \$100,000 in funding to SPR for the pilot, which will assess the viability of implementing side-stream enhanced biological phosphorus removal. When coupled with the existing chemical phosphorus removal system, the pilot's goal is to reduce overall chemical demand while still achieving effluent phosphorus limits.

- **Director's Update**
 - Elizabeth DeWaard, SPR Business Solutions Supervisor, announced the 2024 River Clean-Up will be held on April 27th from 9 a.m. to noon at Centennial Park in Englewood and the Mary Carter Greenway Trail in Littleton. The 6th annual event invites the public to clean up trash and recycling in their communities.

 - Dan DeLaughter, SPR Data & Regulatory Programs Manager, informed the Committee he testified at a Senate Committee hearing in support of SB24-081, aimed at source control for Per- and polyfluoroalkyl substances (PFAS). As of March 2024, the bill passed the Senate Committee, and SPR continues to monitor its progress through the legislature. Committee Member Becklenberg requested a one (1)-page update on PFAS.

 - Izaiah Kruenegel, Deputy Director – Operations & Maintenance, discussed selecting a new chemical vendor, Univar, to provide sodium hydroxide, one of the required chemicals for effective treatment. SPR has faced delivery delays and safety concerns with its current vendor. The newly selected chemical vendor is included in the Colorado Municipal Assembly of Procurement Officials cooperative bid, and as such, SPR is not required to receive additional quotes.

 - Deputy Director Safulko reported on the staff Pump Training conducted in partnership with Garver. The training allowed staff to gain a better understanding of SPR's equipment, identify opportunities for energy savings, and review equipment longevity. Garver tailored the trainings to SPR-specific equipment and included case studies.

 - Director Van Ry updated the Committee on the WaterReuse Symposium in Denver in March 2024. As part of the Symposium, SPR hosted three (3) tours of the Pilot and Research Center (PARC) and Colorado School of Mines'

Direct Potable Reuse Trailer. The tours invited visitors from all over the world to learn more about PARC and showcase SPR's approach to innovation, piloting, and research in the resource renewal sector.

- Director Van Ry also provided an update on the Operations Complex and Administrative Building Remodel Project, scheduled for completion in August 2024. SPR will coordinate a tour of the construction with the Supervisory Committee.
- SPR Influent Flow and Load Summary
 - The measured flow to SPR averaged 17.3 mgd in February 2024, which is an increase of 0.7 mgd from February 2023. The measured flow split was 46.0 / 54.0 percent between the Cities of Littleton and Englewood.
- SPR Voluntary Incentive Program Summary
 - SPR has received 6.6 years of credits and is on track to receive the full extension of 10 years. As of February 2024, SPR has achieved 0 days toward its target treatment goals for Total Inorganic Nitrogen and 0 days for Total Phosphorus.
- SPR Pipeline Injection System Summary
 - As of February 2024, SPR received \$387,791 in year-to-date gross receivables on the Pipeline Injection System. The current projected payback is June 2025.
- Fiscal Management and Reporting
 - Deputy Director Allard presented the preliminary financial report for January 2024 and the preliminary financial report and aggregate purchases report for February 2024.

V. Adjournment

The next Supervisory Committee meeting is scheduled for Thursday, April 25, 2024, at 9 a.m. via Microsoft Teams.

Adjourned at 9:56 a.m.

Recording Secretary Signature _____

Elizabeth DeWaard

The SPR Supervisory Committee approved the March 28, 2024 meeting minutes during the April 25, 2024 Supervisory Committee Meeting. Committee Member Lewis moved to approve the minutes, Committee Member Becklenberg seconded the motion, four ayes, and zero nays. Minutes approved.