

GLENBARD WASTEWATER AUTHORITY
Executive Oversight Committee
Agenda

February 9, 2017

7:30 a.m.

**Meeting will be held at the Glenbard Wastewater Plant
21 W 551 Bemis Rd, Glen Ellyn, IL**

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Public Comment
5. Consent Agenda – The following items are considered to be routine by the Executive Oversight Committee and will be approved with a single vote in the form listed below:

Motion the EOC to approve the following items including Payroll and Vouchers for the Month of January 2017 totaling \$888,335.08. (Trustee Clark)

- 5.1 Executive Oversight Committee Meeting Minutes:
January 12, 2017 EOC Meeting
- 5.2 Vouchers Previously Reviewed by Trustee Clark:
January 2017
- 5.3 Replacement Welders and New Welder Purchase Request

The 2017 budget under Capital Fund 40 – Rolling Stock Vehicle and Equipment Replacement, contained two line items:

- * UNIT 620, a 1993 Miller Shopmaster 300 welding generator (TIG)
- * UNIT 606, new MIG welder

The Maintenance Department obtained three competitive quotes for the purchase of these welders. Upon receipt of the above pricing, the Maintenance Department reviewed the Vehicle and Equipment Replacement schedule and sought pricing to replace:

Unit 618, a 2003 Miller Trailblazer 301G which is mounted to the crane truck.

The projected replacement for Unit 618 is shown as “on Hold” in the 2017 Vehicle and Equipment Replacement schedule. Due to the pricing

received for the budgeted items, it was observed we could possibly replace a 17-year old welder with a newer model.

The total cost to replace the two existing welders (Units 620 and 618), and purchase the new MIG welder (Unit 606) from Airgas in the amount of \$19,215.11, invoiced to Capital Fund 40 Account #40-570155 Rolling Stock. If this request is approved, the Vehicle and Equipment replacement schedule will be updated accordingly.

6. Biological Phosphorus Detailed Feasibility Study Request for Approval

On January 12, 2017, Baxter & Woodman presented the Recommendation to proceed with the Detailed Feasibility Study to convert to biological phosphorus removal at the Glenbard Wastewater Authority Executive Oversight Committee (EOC) meeting. The addendum provided for this follow-up request provides several clarifications to the technical memorandum, as requested by the EOC.

Annual Costs of Chemical Phosphorus Removal reflects the annual costs for treatment to an effluent total phosphorus limit of 1.0 mg/L instead of 0.5 mg/L, as presented in the 2013 Facility Planning Report.

Activated Sludge Improvements have been amended to reflect compliance with a total phosphorus effluent limit of 1.0 mg/L. This has been updated as it is the most likely scenario per current communications from the IEPA.

Project Funding Alternatives has been amended to reflect a status quo of using delivered liquid oxygen in lieu of the cryogenic facilities. This included removing capital cost avoidances related to the cryogenic facilities and updating annual savings to reflect purchased chemicals instead of power costs from the cryogenic system. Furthermore, the cost of chemical use, as presented in the 2013 Facility Planning Report, were modified to reflect a limit of 1.0 mg/L instead of 0.5 mg/L.

The EOC also requested a comment on why the proposed process is superior to other methods for biological phosphorus removal. Financially, a side-stream phosphorus removal process is the most effective process because it allows the ability to reuse existing tank space. Moving the heart of the nutrient removal process out of the existing activated sludge space preserves the integrity of the nitrification capacity. Other processes like Anaerobic-Oxic (A/O) and Anaerobic-Anoxic-Oxic (A2/O) may be equally effective as a side-stream phosphorus removal process; however, they would require construction of new tanks to accommodate the process change.

The Authority would like to request the EOC approve the tabled January 12th “Detailed Biological Phosphorus Feasibility Study” in order to proceed with answering the lingering detailed questions pertaining to the technical, feasible and financial benefits as identified.

Motion the EOC to waive competitive bidding for Professional Service Per Administrative Order No. 3 Section C (1a) and to award Baxter & Woodman the Detailed Biological Phosphorus Feasibility Study in the amount of \$95,000 to be invoiced to the Capital Account 40 Biological Phosphorus Removal Engineering.

7. Discussion
 - 7.1 Facilities Improvement Project Update

8. Other Business
 - 8.1 Technical Advisory Committee Updates
 - 8.2 Pending Agenda Items

9. ***Next EOC Meeting*** – The next regularly scheduled EOC Meeting is set for ***Thursday, March 9, 2017 at 7:30 a.m. at the Glenbard Facility.***