

Project Name: Oakridge PFAS Upgrades

Project# :

Date: 4/5/2021

Prepared By: R. Flores



Delaware Engineering, D.P.C.

| Conceptual Cost Opinion Oakridge Water System PFAS Treatment | | | | | | | | |
|--|-----------------------------------|----------|-------|--------------|--------------|-------------|-----------------|--------------|
| ID | Description | Quantity | Units | Materials | Labor | Equipment | Total Unit Cost | Subtotals |
| 1 | Site Work | | | | | | | |
| 1.1 | Mobilization | 1 | LS | | \$40,000.00 | | \$40,000.00 | \$40,000.00 |
| 1.2 | Sedimentation and Erosion Control | 1 | LS | \$1,000.00 | \$5,000.00 | | \$6,000.00 | \$6,000.00 |
| 1.3 | Site Excavation | 1 | LS | | \$40,000.00 | | \$40,000.00 | \$40,000.00 |
| 1.4 | Yard Piping | 1 | LS | \$2,000.00 | \$60,000.00 | | \$62,000.00 | \$62,000.00 |
| 1.5 | Restoration | 1 | LS | | \$10,000.00 | | \$10,000.00 | \$10,000.00 |
| | | | | | | | | \$158,000.00 |
| 2 | GAC Building | | | | | | | |
| 2.1 | Foundation | 1 | LS | \$25,000.00 | \$25,000.00 | | \$50,000.00 | \$50,000.00 |
| 2.2 | Slab and Equipment Pad | 1 | LS | \$10,000.00 | \$15,000.00 | | \$25,000.00 | \$25,000.00 |
| 2.3 | Building | 1 | LS | \$100,000.00 | \$200,000.00 | | \$300,000.00 | \$300,000.00 |
| 2.4 | Doors and Windows | 1 | LS | \$20,000.00 | \$10,000.00 | | \$30,000.00 | \$30,000.00 |
| | | | | | | | | \$405,000.00 |
| 3 | Piping | | | | | | | |
| 3.1 | Process Piping | 1 | LS | \$45,000.00 | \$15,000.00 | | \$60,000.00 | \$60,000.00 |
| 3.2 | Flow Meter | 1 | LS | \$3,500.00 | \$3,500.00 | | \$7,000.00 | \$7,000.00 |
| 3.3 | Backflow Preventor | 1 | LS | \$5,000.00 | \$2,000.00 | | \$7,000.00 | \$7,000.00 |
| 3.4 | Backwash tank and pumps | 1 | LS | \$40,000.00 | \$20,000.00 | | \$60,000.00 | \$60,000.00 |
| 3.5 | Piping | 1 | LS | \$20,000.00 | \$40,000.00 | | \$60,000.00 | \$60,000.00 |
| 3.6 | Electrical | 1 | LS | \$30,000.00 | \$30,000.00 | | \$60,000.00 | \$60,000.00 |
| | | | | | | | | \$254,000.00 |
| 4 | GAC Filters | | | | | | | |
| 4.1 | 20,000 Lbs GAC System | 1 | LS | \$320,000.00 | \$100,000.00 | \$10,000.00 | \$430,000.00 | \$430,000.00 |
| 4.2 | GA Carbon - Filtrasorb 400 | 1 | LS | \$30,000.00 | \$2,500.00 | | \$32,500.00 | \$32,500.00 |
| 4.3 | Manifold System | 1 | LS | \$40,000.00 | \$10,000.00 | | \$50,000.00 | \$50,000.00 |
| | | | | | | | | \$512,500.00 |
| | Cost Summary | | | | | | | |

2021 Construction Cost Subtotal \$1,329,500.00

10% Contingency \$ 133,000.00

10% Engineering (Preliminary, Design, Construction) \$ 133,000.00

Project Costs \$1,595,500.00