

1) OVERVIEW

The Contractor shall provide an Organic Waste Resource Recovery System (OWRRS) Facility for the provision of Processing Services for Sewage Sludge and Biosolids.

- I. The OWRRS Facility shall at a minimum be able to provide Processing Services for Organic Materials, and specifically will be able to process sewage sludge or biosolids cake with varying percent solids content, typically averaging 20% total solids (TS).
- a. The Contractor shall provide Processing Services for Sewerage Sludge on an “as is” basis, meaning more specifically that Sewerage Sludge shall be delivered in exactly the same consistency and solids content as they have when extracted from the CITY’s WRF. All Sewerage Sludge for Processing Services must be 1) non-toxic, 2) non-hazardous, and 3) meet federal 503 regulations with regard to pollutant concentrations for heavy metals.

Approximately 25,000 wet tons (WT) per year of cake biosolids may be generated by the City of Columbus (the City) Water Reclamation Plants (WRPs) and made available under this contract. This available tonnage estimate is provided for operational planning purposes and does not guarantee a minimum payment obligation on the part of the City.

2) PAY ITEM QUANTITY AND PAYMENT

PAY ITEM 1 – SEWAGE SLUDGE AND BIOSOLIDS DISPOSAL

Pay Item 1 covers the tipping fee necessary for the acceptance of sewage sludge or biosolids at the OWRRS Facility.

- I. The Contractor shall submit invoices for all sewage sludge and biosolids disposed the previous month to the City within the first ten days of each month.
- II. The Contractor shall provide electronic copies of manifests for each load received and invoiced.

3) SITE OPERATIONAL REQUIREMENTS

- I. Notice of Substantial Operational Change - the Contractor shall notify the City of any and all substantial operational changes throughout the duration of this contract including but not limited to:
 - a. The start or completion of any construction.
 - b. Changes to loadout procedures.
 - c. Changes to the volume of material which can be accepted.
 - d. Changes to digestate end use.
 - e. Substantial changes to renewable natural gas production on site.
 - f. Any and all site changes, structural or operational, which may impact the safety of City haulers.
 - g. Changes or renewals of OEPA NPDES permits.

4) OTHER REQUIREMENTS

REGULATORY REQUIREMENTS

All work associated with the land application of biosolids shall conform to all applicable US EPA and OEPA requirements. OEPA administers a delegated biosolids program with rules detailed in OAC Chapter 3745-40. Thus, OEPA rules are more restrictive than the Federal 40 CFR Part 503. The City operates under the NPDES Permits 4PF000000 and 4PF000001. The Contractor shall operate at all times in compliance with these rules, whichever is most restrictive. OEPA biosolids rules, rule guidance, field information, and forms and templates are available online:

<https://epa.ohio.gov/wps/portal/gov/epa/divisions-and-offices/surface-water/permitting/biosolids-program>

- I. It is the responsibility of the Contractor to review, immediately upon rule change effective date and at least annually, the OEPA Sewage Sludge Regulations and must always operate this Contract under the most current rule package.

KEY PLANNING DOCUMENTS

The Contractor shall submit within 45 days of Contract execution the following documents for approval by the City. No work shall commence on this contract until the documents described below are submitted to the city for review and approval.

- II. Site Management Plan - Standard Operating Procedures (SOP) describing off-loading procedures and care of off-loading areas.
- III. Safety Plan - narrative describing how work will be performed within applicable safety regulations.
- IV. Spill Prevention and Emergency Response Plan - Standard Operating Procedures describing how the Contractor and his employees shall prevent spills and other emergencies and how they will respond when a spill or emergency occurs.
- V. The Contractor shall operate and manage all activities in accordance with the Contractor's Site Management Plan, Safety Plan, and Spill Prevention and Emergency Response Plan.

PROJECT MANAGEMENT REQUIREMENTS

- I. Site Operations Manager - The Contractor shall provide a Site Operations Manager with at least 5 years of experience in managing large OWRRS facilities. The Site Operations Manager shall be the principal contact with the City Residuals Manager and Biosolids Specialist on all matters relating to site operations.