



City of Alcoa Purchasing

223 Associated Blvd. Alcoa, Tennessee 37701 (865) 380-4700 FAX (865) 380-4797

REQUEST FOR QUALIFICATIONS Alcoa-Maryville-Blount County Landfill Master Plan

The City of Alcoa (COA) invites qualified professional consulting engineering firms to submit Statements of Qualifications (SOQ's) to provide consulting services associated with the creation of a Master Plan for the Alcoa-Maryville-Blount County Landfill, located in Friendsville, TN.

1. INTRODUCTION

- (a) Summaries of qualifications for services will be received until 2:00 p.m., March 27, 2025 at the offices of the City of Alcoa Purchasing Agent, 223 Associates Blvd., Alcoa, Tennessee. SOQ's received by said time will be opened and reviewed for consideration. SOQ's received after said time will not be opened.

- (b) SOQ Delivery:

- i. Submitters shall be responsible for the early delivery of their proposal.
- ii. It is preferred that all SOQ's are submitted in a PDF format via email as an attachment or link with the subject heading: "*Alcoa-Maryville-Blount County Landfill Master Plan, SOQ No. 25071, Proposal Enclosed, March 27, 2025 2:00 p.m.*" Proposals in PDF format may be e-mailed to:

coasealedbid@cityofalcoa-tn.gov

- iii. Proposals may be submitted via U.S. Mail / UPS / FedEx, etc., or hand delivered. Mailed or hand-delivered proposals should be in a sealed envelope and labeled "*Alcoa-Maryville-Blount County Landfill Master Plan, SOQ No. 25071, Proposal Enclosed, March 27, 2025, 2:00 p.m.*"

Proposals shall be addressed to:

City of Alcoa Public Works & Engineering
ATTN: Ashley Wagner, Purchasing Agent
223 Associates Blvd
Alcoa, Tennessee 37701

- iv. Proposals received after the deadline will be unopened and discarded.
- (c) All interested parties are invited, prior to submittal of SOQ's, to conduct on-site investigations and data collection at the regional landfill in order to evaluate existing conditions and connections, and to understand any constraints which will affect the proposal. Appointments for these visits can be scheduled through Kelly Hembree, Solid Waste Manager of the Landfill, at (865) 995-2998.

- (d) The COA is not liable for incurred costs or expenses in the development of the proposed SOQ.
- (e) Additional questions may be directed to:
 - Kelly Hembree, Solid Waste Manager – (865) 995-2998;
 - Shane Snoderly, PE, RLS, Public Works & Engineering Director – (865) 380-4800;
 - David Marcum, PE, Senior Civil Engineer – (865) 380-4800.

2. BACKGROUND

- (a) The Alcoa-Maryville-Blount County Landfill, located at 240 Long Powers Road, Friendsville, TN, consists of a 262-acre permitted landfill facility along with additional properties operated by the City of Alcoa Public Works Department.
- (b) The facility has been in operation since 1974, providing a location for the safe and legal burial of trash for the population of Blount County, approximately 140,000+ people. It is estimated that the current landfill site has approximately 50-60 years of life before being completely filled.
- (c) The facility is open six (6) days per week. 250-300 tons of waste are buried each day. Of that, approximately 100-175 tons are construction and demolition (C&D) waste. Regular waste is placed in lined cells to manage leachate, while C&D waste is placed in unlined cells.
- (d) The facility manages approximately 100,000+ tons-per-year of municipal solid waste, C&D waste, materials, appliances, propane tanks, contaminated soil, non-friable asbestos, ash, automobile tires, mattresses, yard waste, and other selected materials.
- (e) The City of Alcoa landfill operations currently own additional lands around the permitted landfill that can be used for ancillary operations to support the functions of the permitted site. Study is needed to determine best use practices for these properties.

3. REQUIREMENTS

The following should be considered when developing a Landfill Master Plan:

- (a) Intake:
 - Traffic control at the Long Powers Road entrance. (Currently, vehicles can back up past the Long Powers and Big Springs Road entrance, indicating the necessity of a queuing plan);
 - Evaluate need for new sorting facility.
- (b) Site Layout:
 - Limited Space: The site is constrained by lack of surrounding land for any future expansion;
 - Location Planning: Following successful permitting of the new cell, the next major cell will be located where the service shop, scale house, and garbage roll-off are located, requiring them to be moved closer to the entrance at Long Powers Road and Big Springs Road – thus reducing entry queuing space;
 - Fleet vehicle car wash location;
 - Water Features: Opening of new cells will cause relocation of the wet and dry ponds, and this action may be affected by location of existing stream/drainage ditch;
 - Leachate Pump Station and Wells: The existing leachate pump station and monitoring wells are currently in a valley near the stream/drainage ditch. Eventually, this area will be part of

a cell, and these sites will be buried several hundred feet deep, forcing their relocation in an area yet to be determined.

- Neighboring Locations: Establish firm separation from the adjacent Blount County Sheriff's Office training facility, including closing access from the shared gravel road.

(c) Cell Planning:

- Evaluate remaining overall landfill capacity and lifespan based on current information;
- Cover Soil:
 - Determination of remaining cover soil at site;
 - Evaluation of purchasing cover soil:
 - Fuel cost;
 - Equipment cost;
 - Staffing for transporting soil from offsite;
 - Availability.

(d) Waste Control:

- Burner: Devise a burner sorting and usage plan use to keep smaller green waste out of cells;
- Route green waste to mulch recycling centers;
- Training plan for sanitation workers for sorting at pick-up, to avoid mixing materials on trucks (loading and transporting brush with C&D materials, etc.).

(e) Equipment:

- Establish maintenance and replacement plan;
- New Equipment:
 - Large shredders for C&D materials and general garbage (mattresses and tires);
 - Picking crane;
 - New/additional scales, including new commercial scale.
 - Shredding operations with staffing requirementsEstablish maintenance and replacement plan

(f) Other:

- Rate study;
- Staffing adequacy and scheduling;
- Operation Hours. (Current Saturday hours attract waste from Knoxville contractors, as Knoxville landfills are closed);
- Evaluation of resumption of methane collection;
- Leachate Collection: Determine viability of having City of Alcoa employees carry out sampling;
- Alternate Land Use: A capped cell is currently used as a landing field for the Blount County Model Aviators to fly remote-controlled model aircraft. Determination should be made if this will continue to be feasible, or conversely whether other completed cells might be used as community recreation areas.