

**REQUEST FOR PROPOSALS  
DIVESTITURE OF CUMBERLAND CENTRAL LANDFILL ASSETS  
PROPONENT QUESTIONS AND ANSWERS  
ADDENDUM #4**

**Question 1 (July 29, 2020)**

Has there been any Notice of Violations issued for this site from NSE? Please provide Notices of Violations (and associated responses to Regulator) for the past 5 years?

**Answer:** There were no Notices of Violations in the past 5 years.

**Question 2 (July 29, 2020)**

Has there been any assessment made by a third-party for closure and post-closure care costs for the facility?

**Answer:** Yes there is an annual assessment made of the closure and post-closure care costs.

**Question 3 (July 29, 2020)**

Has there been any complaints received for this site? Please provide complaints received (and associated responses) for the past 5 years?

**Answer:** There were no complaints in the last 5 years.

**Question 4 (July 29, 2020)**

Zoning - Is the use "transfer station" permitted?

**Answer:** The current zoning allows for the construction and operation of a transfer station.

**Question 5 (July 29, 2020)**

Septage facility is owned by the Municipality of the County of Cumberland (i.e. not the 3 municipal units issuing the RFP) and is operated by a third-party. Although the septage facility is not a part of the assets to be acquired through the RFP, the successful respondent will be required to receive and treat liquid effluent from the pre-treatment into the second generation landfill leachate treatment system and to receive solids into the Facility compost plant. Are there any agreements related to the discharge of the pre-treated water to the LTF (not to exceed concentrations, volume, etc.) that would also set out criteria for shutting down the reception of water? There is an agreement dated July 2005 that was provided. This agreement states that the County shall pay 20% of the operational and maintenance costs. Requirements for future capital upgrades shall be cost shared based on flow and strength of the various waste streams (excluding non-compliant influent) being treated by the LTF. If non-compliant influent, then costs are the sole responsibility of the non-compliant generator. Has this agreement ever been

amended?

**Answer:** The Agreement provided in the Data Room has not been amended.

**Question 6 (July 29, 2020)**

Where does the mature compost go? Are there secured contracts to get rid of the compost?

**Answer:** Mature compost is offered for sale to the public and landscaping companies. There are no secured contracts.

**Question 7 (July 29, 2020)**

The RFP document mentions that recycled material delivered to the Facility are unloaded on an exterior pad and reloaded onto larger trucks for delivery to off-site processing. How is the run-off water managed? Authorization document indicates that storing and sorting occur inside, and leachate (if any) is diverted to LTF. The building of the (former) recycling facility was destroyed by fire in 2017 and ever since, recyclables were received outside on the concrete pad. Concrete pad needs to be repaired before it can be reused for a building (\$\$). Are the recyclables stored in containers? Can you verify if a formal authorization was received to use the pad to transfer the recyclables?

**Answer:** Recyclables are currently stored outside with verbal agreement from the regulator.

**Question 8 (July 29, 2020)**

Tender called in May 2019 to construct final closure of Cells 1, 2A & 2B and awarded in May 2019 pending design approval by NSE (still pending). No contract has been awarded to date. Would the respondent would not be responsible for the costs associated with closure of those cells? Could we get a copy of the awarded tender? Does the design approval issued to NSE include a gas control feature / collection system?

**Answer:** The respondent would not be responsible for the costs associated with closure of Cells 1, 2A, and 2B. A copy of the tender is available in the Data Room under Directory "Cell Closure Documents". No contract has been executed to date. The design includes passive gas control features.

**Question 9 (July 29, 2020)**

Table 2 of the RFP document shows the annual volume at the LTF and does not include septage facility volume. A justification is given for the significant increase in leachate volume in 2018-19 (went from 11-14K m<sup>3</sup>/yr to 21-25K m<sup>3</sup>/yr). Septage volumes went from 6K to almost 10K m<sup>3</sup>/yr between 2017 and 2019. What's the design flow of the LTF? Is an upgrade foreseeable or necessary in the short / mid future? Drawings show a gate valve separating section of Cell 1, 2A and 2B in an attempt to better control leachate production. Please provide the design documentation for the LTF, anticipated leachate production curves and quality.

**Answer:** Design information on the Leachate Treatment Facility is contained in the Data Room.

**Question 10 (July 29, 2020)**

Has there been any geotechnical and HydroG studies carried out at the site? Did the site undergo an EA process prior to approval? If so, please provide the reports.

**Answer:** Geotechnical and HydroG studies were conducted on the site prior to the construction of the lined landfill and monitoring wells were installed. There was no formal EA process required by the regulator.

**Question 11 (July 29, 2020)**

Has there been any spills or releases reported to NSE? If so, how were they cleaned up?

**Answer:** There have been no spills or releases from the site.

**Question 12 (July 29, 2020)**

How is the sludge from the LTF managed? Has it ever been landfilled? (Risk is production of biogas). When was the sludge from the aeration pond and the settling pond last removed, where did it go?

**Answer:** Sludge levels are monitored monthly during the spring and summer and fall seasons. Sludge has not been removed to date.

**Question 13 (July 29, 2020)**

A sludge management plan had to be developed according to Authorization 2007057185. Please provide this document.

**Answer:** The Sludge management plan is as follows:

*“Routine maintenance activities will include removal of debris and excess sediment build-up, and maintenance of vegetated areas. The lagoons will be inspected monthly for any debris and cleaned of sediment build-up on an as-needed basis. Sludge shall be disposed of in the second generation landfill”.*

**Question 14 (July 29, 2020)**

Documents listed in Authorization 2007-057185 related to the construction of Cell 3 have not been provided (see section 11) please provide.

**Answer:** The design drawings for Cell 3 have been placed in the Data Room under the Directory titled “Cell 3 Design Drawings”.

**Question 15 (July 29, 2020)**

Authorizations were delivered with reference documents that were not provided. Please provide those reference documents.

**Answer:** It is unclear what reference documents are being referred to.

**Question 16 (July 29, 2020)**

What is the difference between Little Fork 1 (First Generation Landfill) leachate treatment system made operational in April 2019 and the LTF? How was this landfill closed (final cover)? Has the Little Fork 1 leachate treatment system been permitted by NSE?

**Answer:** The Little Forks 1 leachate treatment system is a passive system of two wetlands separated by a berm with a manhole c/w a weir gate to control water levels/retention time. It is approved as per Section (ag) of the Approval to Operate (page 12 of 17). The Little Forks 1 landfill was closed with native clay soil from the site and has vegetative growth. It also has some passive gas vents.

**Question 17 (July 29, 2020)**

What is the native material at site, if clay what was the permeability results?

**Answer:** The native material is a glacial till with a high content of fine materials. The permeability is less than  $5 \times 10^{-6}$  cm/sec after screening.

**Question 18 (July 29, 2020)**

Are there Design & Operating reports or engineering documents produced for the landfill and/or the LTF?

**Answer:** See Data Room for annual leachate reports for the last 3 years.

**Question 19 (July 29, 2020)**

Drawings and Design & Operating documents for Cell 3 were not provided. Please provide those documents.

**Answer:** The design drawings for Cell 3 have been placed in the Data Room under the Directory titled "Cell 3 Design Drawings".

**Question 20 (July 29, 2020)**

Drawings indicate that 150mm DR-17 HDPE piping from the LCS (perpendicular to the 200 mm DR-17 HDPE main) are within "leachate collection sand" over which there is a geotextile. Were there any problems encountered with this design such as clogging of geotextile that

would result in leachate buildup in certain sections of the cell (waste is heterogeneous)? Has there been any seepages observed due to this design?

**Answer:** There have been no problems detected/observed to date.

**Question 21 (July 29, 2020)**

There's a detail shown on one of the drawings for gas probes - however, those probes do not seem to be shown on any drawings provided. Are there any gas probes installed? Has there been any monitoring done on this topic?

**Answer:** There are no gas probes installed at the site.

**Question 22 (July 29, 2020)**

Does the operating plan restrict the geography that the waste materials can be received from?

**Answer:** No.

**Question 23 (July 29, 2020)**

Are there any anticipated upgrades required for the LSTF?

**Answer:** No.

**Question 24 (July 29, 2020)**

How was the fire at the MRF handled?

**Answer:** The fire was managed by the local fire departments using water and foam.

**Question 25 (July 29, 2020)**

Please provide a description of the compost process.

**Answer:** Organics are managed using an open windrow process. Material is first shredded using an ALLU bucket, and windrowed for approximately 6 weeks inside the compost building. Material is then moved outside to clay pads for further maturing. Material is also turned using the ALLU bucket. Once mature, the material is screened and then sold.

**Question 26 (July 29, 2020)**

What are the criteria the septage lagoons need to meet prior to discharge to the LTF? Is there any agreements on this topic?

**Answer:** The agreement is in the Data Room and it has not been amended.

**Question 27 (July 29, 2020)**

Please provide the letters dated August 19, 2009 from Dillon and dated March 29, 2017 (leachate detection sumps - dye testing program). Those letters are referenced in the 2019 annual report (SW&GW annual reports).

**Answer:** Letters are provided in the Data Room under the Directory titled "Response to Addendum 4 - Question 27".

**Question 28 (July 29, 2020)**

Approval No: 2007-057185 for the Landfill has expired on Dec 8, 2018. When can we expect the renewal of this approval?

**Answer:** The most recent NSE correspondence on the permit renewal is a letter "NSE – Renewal of Approval – December 7, 2018" in the Directory titled "Approval and Reporting" in the Data Room. Confirmation of the NSE renewal is still pending at this time.

**Verbal Question 1 (Received during the site visit on July 29, 2020)**

What is the airspace density of the completed cells?

**Answer:** The calculated density of the compacted waste is 544 kg/m<sup>3</sup>.

**Approval**

In accordance with Section 5 of the RFP, the proponent is deemed to have read and taken into account all addenda issued by the County.

*Dated: July 30, 2020*