"Part IIb Completeness Review" Checklist

DATE: November 4, 2013 (final)
FACILITY NAME: Greeneville/Greene County Class IV Vertical Exp.
TYPE OF FACILITY: Class III/IV Disposal Facility

Tennessee Department of Environment and Conservation
Division of Solid Waste Management

Checklist for Evaluation of Completeness for Part II - Application
"Part IIa Completeness Review" Checklist

(a) **Hydrogeological Report**: Not applicable for vertical expansion only.

1. Certified by registered geologist or qualified engineer

2. Adequate soil borings performed

3. Includes descriptions and/or locations of:
   (i) Soil sampling and procedures used
   (II) Soil classifications (USCS)
   (III) Samples of undisturbed soil
   (IV) Samples of remolded soil

   (IV) Description of sampling and analytical procedures used
   (V) Conductivity determined on samples collected in Shelby tubes
   (VI) Testing procedures to establish integrity of liner or cap

   (ii) Water table elevations:
      At time of drilling
      At least twice more

   (iii) Soil boring locations and boundary of proposed fill area

   (iv) GW* flow map

   (v) GW recharge and discharge features

   (vi) Springs, wells in 1 mile radius

   (vii) Public water supply; 2 mile radius

   (viii) Summary of geological and hydrological evaluations

* GW = ground water
"Part IIb Completeness Review" Checklist

(b) Engineering Plans

<table>
<thead>
<tr>
<th></th>
<th>Yes</th>
<th>No</th>
<th>N/A</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Plans, drawn at a scale not less than $1&quot; = 100'$ or $1&quot; = 200'$ if approved and contour interval no more than $5'$. And show locations of and/or describe:</td>
<td></td>
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<tr>
<td>(i)</td>
<td>Proposed waste disposal areas</td>
<td>☒</td>
<td>☐</td>
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<td>(ii)</td>
<td>Existing topography with pertinent features</td>
<td>☒</td>
<td>☐</td>
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<td>(iii)</td>
<td>On-site benchmarks</td>
<td>☒</td>
<td>☐</td>
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<td>(iv)</td>
<td>GW, SW* monitoring points and compliance boundary</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(v)</td>
<td>Soil boring locations</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(vi)</td>
<td>Dikes, berms, trenches, excavation contours</td>
<td>☒</td>
<td>☐</td>
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<td>(vii)</td>
<td>Borrow and cover material storage area</td>
<td>☒</td>
<td>☐</td>
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<td>(viii)</td>
<td>Planned development of site (phases)</td>
<td>☒</td>
<td>☐</td>
</tr>
<tr>
<td>(ix)</td>
<td>Run-on/run-off diversions from work areas and facility</td>
<td>☒</td>
<td>☐</td>
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<td>(x)</td>
<td>Temporary/permanent erosion control measures</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(xi)</td>
<td>Existing/proposed utilities, structures, roads</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(xii)</td>
<td>Proposed final contours</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(xiii)</td>
<td>100-year floodplain boundaries</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(xiv)</td>
<td>Leachate collection/treatment reservoirs and associated piping</td>
<td>☒</td>
<td>☐</td>
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<tr>
<td>(xv)</td>
<td>Gas migration control devices</td>
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* SW = surface water
"Completeness Review" Checklist

2. Detailed diagrams, at a suitable scale, showing:
   (i) Sections of erosion and run-on/run-off control structures [X] [ ] [ ]
   (ii) Sections of leachate collection/treatment reservoirs [ ] [ ] [X]
   (iii) Sections of gas migration control devices and structures (if required) [ ] [ ] [X]
   (iv) GW monitoring well installations [ ] [ ] [ ]
   (v) Sections of soil buffer, liner, leachate collection system (including piping) [X] [ ] [ ]
   (vi) Sections of final cover systems (including required cap) [X] [ ] [ ]
   (vii) Sections of access roads [X] [ ] [ ]

3. Cross sections (2 per operational area, as a minimum)
   Scale: 1" = 100' as a minimum showing:
   (i) Original ground surface elevations [X] [ ] [ ]
   (ii) Proposed excavation depths [X] [ ] [ ]
   (iii) Proposed final elevations [X] [ ] [ ]
   (iv) Soil borings [X] [ ] [ ]
   (v) Configuration of soil buffer, liner, leachate system, including slopes [X] [ ] [ ]
   (vi) Cells and lifts and associated berms and dikes, and on-site roadways [X] [ ] [ ]
   (vii) Configuration of final cover system [X] [ ] [ ]
   (viii) Configurations of any gas migration control features [ ] [ ] [X]
"Completeness Review" Checklist

(c) Operations Manual

1. Owner: Town of Greeneville
   Operator: Waste Industries of TN, LLC
   Responsible Official: Mayor W. T. Daniels, Jerry Catron, Waste Industries

2. Location of facility: Greeneville, TN
   Address: 1555 Old Stage Rd, Greeneville TN 37743

3. Compliance with buffer zone(s) Variance granted for prop. line ☒ ☐ ☐

4. The facility is not located within 200' of a fault area that had displacement ☐ ☐ ☒

5. The facility is not located in seismic impact area or zone ☐ ☐ ☒

6. In unstable area the operator must consider the following:
   (i) On site or local soil conditions for differential settlement ☐ ☐ ☒
   (ii) On site or local geologic or geomorphologic features ☐ ☐ ☒
   (iii) On site or local human-made features (both surface or subsurface) ☐ ☐ ☒

7. Access to and use of facility ☒ ☐ ☐

8. Methods and sequence of operation ☒ ☐ ☐

9. Types and anticipated volumes of waste:
   (check appropriate type and indicate amount)
   Industrial ☐ 100(peak) tons/day
   Demolition ☒ x 100 cubic yards/day
   Municipal ☐

10. Acres to be filled and acres permitted 8.9 and 110 ☒ ☐ ☐

11. Waste handling and covering program
   (i) Unloading, spreading, compacting ✗ ☐ ☐
   (ii) Frequencies and depths of cover (3 types) every 14 days ✗ ☐ ☐
   (iii) Soil balance/availability of cover ✗ ☐ ☐
12. Operating equipment
"Completeness Review" Checklist

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<tr>
<th></th>
<th>Yes</th>
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<tr>
<td>13. Procedure for controlling and collecting blowing litter</td>
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<td>14. Management of erosion control facilities</td>
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<td>15. Management of leachate collection facilities</td>
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<td>16. Dust control measures and implementation</td>
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<td>17. Fire safety precautions</td>
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<td>18. Facility services</td>
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<td>19. Inspection of liners and cover systems</td>
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<td>(i) Any new phase or expansion should be tested and inspected by a P.E.</td>
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<td>(ii) Each section should be certified by a P.E.</td>
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<td>20. Containment of migration of explosive gases</td>
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<td>21. Planned GW monitoring program</td>
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<td>(i) Number and location of wells</td>
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<td>(ii) Monitoring well construction</td>
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<td>(iii) Parameters to be monitored</td>
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<td>(iv) Sampling and procedures</td>
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<td>(v) How sampling and results will be recorded and reported</td>
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<td>22. Engineering statement of site flood frequency</td>
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<td>23. Impacts on endangered or threatened species</td>
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<td>24. Random inspection program</td>
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(d) Closure/Post Closure Care Plan

1. Contents of Plan
   (i) Plan identifies steps necessary to completely or partially close the facility at any point during intended operating life. [Yes]
   (ii) Identifies steps to completely close at end of intended operating life. [N/A]
   (iii) Identifies activities after closure and frequency of activities. [No]
   (iv) For phased development facilities, plan addresses each parcel separately as well as the whole. [No]

2. Plan includes a description of:
   (i) How and when facility will be partially and finally closed. Also includes expected year of closure. [Yes]
   (ii) Planned GW and SW monitoring and maintenance activities and frequencies. [N/A]
   (iii) Person or office, name and number to contact during post closure. [No]
   (iv) Itemized estimate of third party cost of performing closure and post closure. [N/A]
   (v) Planned uses of property during post-closure period. [No]

3. In closure plan, operation addresses closure of active portions and future active portions of facility. In post-closure care, operator addresses post-closure care of closed, active, and future active portions. [Yes]