

## **"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

	Yes	No	N/A
(a) <u>Hydrogeological Report</u> <span style="background-color: yellow;">Not applicable for vertical expansion only.</span>			
1. Certified by registered geologist or qualified engineer	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Adequate soil borings performed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Includes descriptions and/or locations of:			
(i) Soil sampling and procedures used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(I) Soil classifications (USCS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(II) Samples of undisturbed soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(III) Samples of remolded soil	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(IV) Description of sampling and analytical procedures used	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(V) Conductivity determined on samples collected in Shelby tubes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(VI) Testing procedures to establish integrity of liner or cap	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Water table elevations:			
At time of drilling	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
At least twice more	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Soil boring locations and boundary of proposed fill area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) GW* flow map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) GW recharge and discharge features	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vi) Springs, wells in 1 mile radius	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vii) Public water supply; 2 mile radius	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(viii) Summary of geological and hydrological evaluations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

\* GW = ground water

## "Part IIb Completeness Review" Checklist

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

\* SW = surface water

## "Completeness Review" Checklist

	Yes	No	N/A
2. Detailed diagrams, at a suitable scale, showing:			
(i) Sections of erosion and run-on/run-off control structures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Sections of leachate collection/treatment reservoirs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(iii) Sections of gas migration control devices and structures (if required)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(iv) GW monitoring well installations <i>in op. manual - Sur. Plan</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) Sections of soil buffer, liner, <del>leachate collection system (including piping)</del>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vi) Sections of final cover systems (including required cap)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vii) Sections of access roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Cross sections (2 per operational area, as a minimum)			
Scale: 1" = 100' as a minimum showing:			
(i) Original ground surface elevations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Proposed excavation depths	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Proposed final elevations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Soil borings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) Configuration of soil buffer, <del>liner, leachate system,</del> including slopes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vi) Cells and lifts and associated berms and dikes, and on-site roadways	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(vii) Configuration of final cover system	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(viii) Configurations of any gas migration control features	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

## "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

	Yes	No	N/A
3. Compliance with buffer zone(s) <i>Variance granted for 100' prop. line and for appurtenance (M.W.) &lt; 20'</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The facility is not located within 200' of a fault area that had displacement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. The facility is not located in seismic impact area or zone	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. In unstable area the operator must consider the following:			
(i) On site or local soil conditions for differential settlement	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(ii) On site or local geologic or geomorphologic features	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(iii) On site or local human-made features (both surface or subsurface)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Access to and use of facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> <i>C.M.L.</i>
8. Methods and sequence of operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Types and anticipated volumes of waste: (check appropriate type and indicate amount)			
Industrial _____ <u>100(peak)</u> tons/day			
Demolition <u>X</u> _____ cubic yards/day			
Municipal _____			
10. Acres to be filled and <sup>site</sup> acres permitted <u>8.9 and 110</u>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Waste handling and covering program			
(i) Unloading, spreading, compacting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Frequencies and depths of cover (3 types) <i>every 14 days</i>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Soil balance/availability of cover	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

12. Operating equipment



"Completeness Review" Checklist

	Yes	No	N/A
13. Procedure for controlling and collecting blowing litter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
14. Management of erosion control facilities	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
15. Management of leachate collection facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Dust control measures and implementation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
17. Fire safety precautions	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18. Facility services	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
19. Inspection of liners and cover systems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(i) Any new phase or expansion should be tested and inspected by a P.E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Each section should be certified by a P.E.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
20. Containment of migration of explosive gases	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
21. Planned GW monitoring program			
(i) Number and location of wells	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Monitoring well construction	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Parameters to be monitored	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Sampling and procedures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) How sampling and results will be recorded and reported	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
22. Engineering statement of site flood frequency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
23. Impacts on endangered or threatened species	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
24. Random inspection program	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



## "Completeness Review" Checklist

	Yes	No	N/A
(d) <u>Closure/Post Closure Care Plan</u>			
1. Contents of Plan			
(i) Plan identifies steps necessary to completely or partially close the facility at any point during intended operating life.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Identifies steps to completely close at end of intended operating life.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Identifies activities after closure and frequency of activities.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) For phased development facilities, plan addresses each parcel separately as well as the whole. <i>one area</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Plan includes a description of:			
(i) How and when facility will be partially and finally closed. Also includes expected year of closure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(ii) Planned GW and SW monitoring and maintenance activities and frequencies.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iii) Person or office, name and number to contact during post closure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(iv) Itemized estimate of third party cost of performing closure and post closure.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(v) Planned uses of property during post-closure period.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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. <i>one area</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>