

DESIGN AND OPERATION PLAN TURKEY RUN MSW LANDFILL

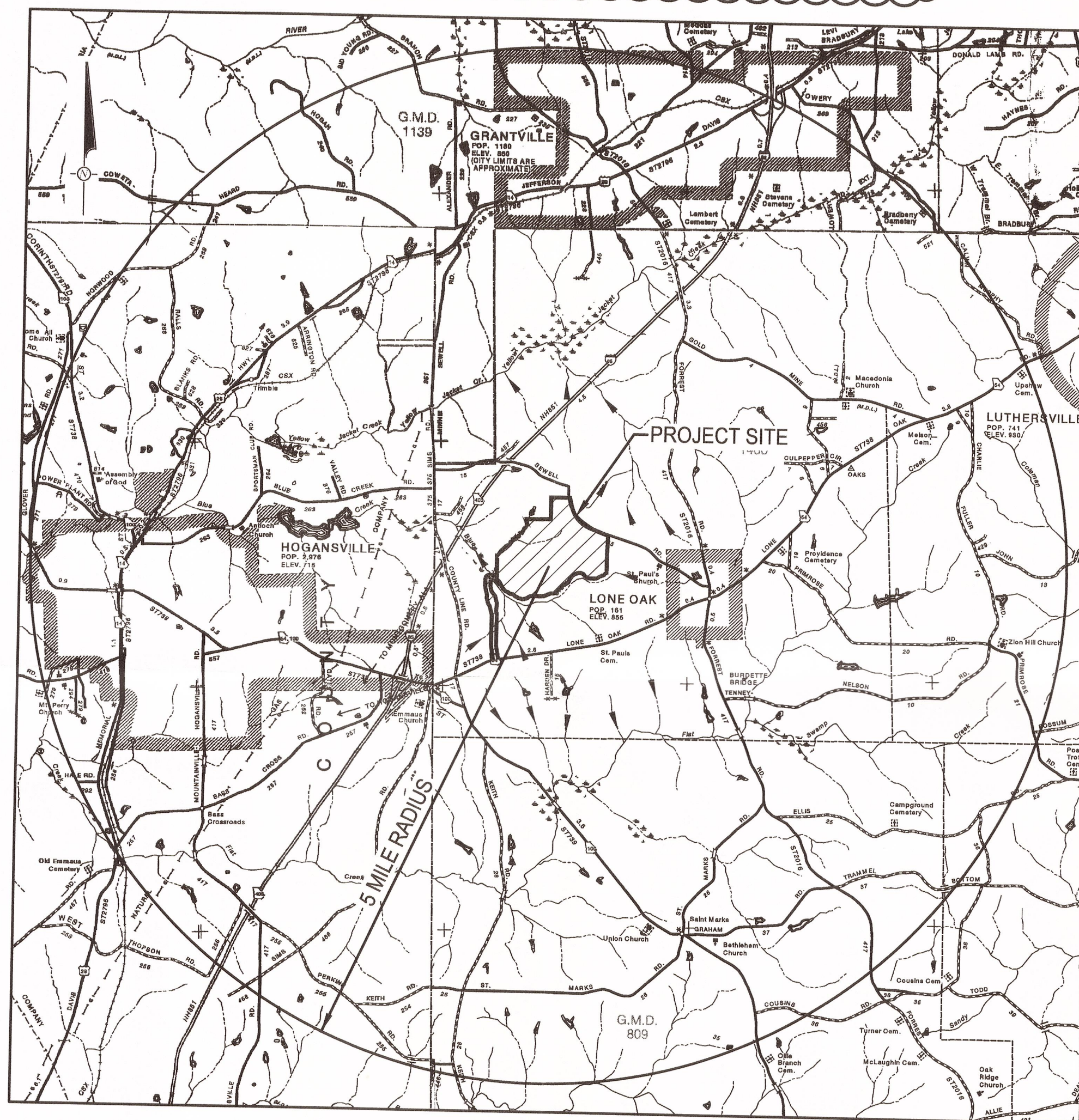
FOR
GREENBOW, LLC
MERIWETHER COUNTY, GEORGIA

APRIL, 2007

REVISED: APRIL, 2017

OWNER / OPERATOR / PERMITTEE

GREENBOW, LLC
3001 SOUTH PIONEER DRIVE
SMYRNA, GA 30082
(404) 898-9252



PROJECT SITE LOCATION
SCALE: 1" = 1 MILE

HODGES, HARBIN, NEWBERRY
& TRIBBLE, INC.

484 MULBERRY STREET, SUITE 265 - MACON, GEORGIA 31201
P.O. BOX 974 - MACON, GEORGIA 31202
(478) 743-7175

Geosyntec consultants 1255 ROBERTS BOULEVARD, N.W., SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.9500



5 Apr 2017

RESPONSIBLE OFFICIAL

GENE BARNES, DIRECTOR OF DISPOSAL
GREENBOW, LLC
1850 PARKWAY PLACE
SUITE 600
MARIETTA, GA 30067
(770) 590-3307

RECEIVED
APR 06 2017
SOLID WASTE
MANAGEMENT PROGRAM

GEORGIA
Environmental Protection Division
Solid Waste Management Program
MINOR MODIFICATION APPROVAL
SOLID WASTE PERMIT NO. 099-019D (645262)
APPROVED BY: [Signature] DATE: 5/22/2017

THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY WILLIAM F. HODGES, P.E. #15689 ON 09/20/10 AND R. BRANT LANE, P.E. #27185 ON 09/20/10. THIS MEDIUM SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

NOTE: The electronic version of this drawing is not for construction purposes, and not a legal design or construction document. Actual construction documents must bear the seal and signature of a registered professional engineer employed by Hodges, Harbin, Newberry & Tribble, Inc. This file may not be copied, released, distributed, or posted to a third party without the express written consent of Hodges, Harbin, Newberry & Tribble, Inc. Users of this electronic drawing assume all risks associated with any information and assumptions based on this drawing, without any liability to Hodges, Harbin, Newberry & Tribble, Inc., which shall be entitled to indemnify for any liability, costs, claim, or expense that might be incurred by any user of this drawing without the written authorization of Hodges, Harbin, Newberry & Tribble, Inc. This NOTE may not be removed from this drawing.

MODIFICATION HISTORY

MOD. No.	REV. DESCRIPTION	MOD. TYPE	AFFECTED SHEETS	PREPARED BY (FIRM)	APPROVAL DATE
1	Alignment change to access road by pond #1	Minor	Shts. 5 thru 10, 15 thru 25 & 27	HHNT	10/21/2008
2	Transfer of ownership from Greenbow, LLC to Georgia Waste Systems, Inc.	Minor	NONE	Greenbow	1/22/2009
3	Addition of 125,000 gal temporary leachate tank	Minor	Title sheet, 7 & 32	HHNT	6/9/2009
4	Revision to mound leachate stone above protective cover	Minor	Title sheet & 41	HHNT	2/11/2010
5	Addition of 4-inch underdrain	Minor	Shts. 7 & 41	HHNT	3/11/2010
6	Addition of non-potable water well & supply system, rumble strip facility for sediment removal, revised groundwater well schedule, revised methane monitoring well design, amended marker post detail, revised groundwater monitoring sampling procedures (low flow w/pumps)	Minor	Title sheet, 1, 6, 27 thru 31 & 42	HHNT	2/11/2010
7	Addition of a landfill gas collector along the perimeter cell sideslope	Minor	Title sheet, 7 & 41	HHNT	2/11/2010
8	Use of synthetic tarps as ADC, removal of intermediate cover between lifts, clarification that slope berms are constructed during final closure, allow facility operator to implement additional e&s measures, optional grass seeding, remove GA. PE rqmt for special waste protocol, addition of filter bays in pond #1.	Minor	Shts. 6, 32, 42	HHNT	11/2/2010
9	Allow second working face to help bring new cells online	Minor	NONE	WM	10/26/2011
10	Remove scale pits from MM monitoring, revised lab analysis to use SW-846 & other GW sampling & analysis changes, elimination of fence and removal of soil stockpile volume.	Minor	Shts. 28, 30 thru 32 & 45	ACC	4/23/2012
11	Added process to apply leachate to working face	Minor	Shts. 0, 32	ACC	2/8/2013
12	Revision to final cover system compacted soil thickness and permeability requirement, closure cost estimate, compacted clay liner and low permeability soil liner permeability test failure retesting requirements, interface friction test frequency and requirements, drainage burrito details, and soil berm and downdrain detail; correction of discrepancy in cap protective cover native soil permeability requirement ($k \geq 1 \times 10^{-5}$ cm/s); revised distance between crest of liner and anchor trench to 3 ft and tie-in of final cover and liner membranes; removed requirement of duplicate leachate risers at sump; and added detail for leachate cleanout and riser pipe penetration through final cover for future cells 3A-10B.	Minor	Title sheet, Shts. 0, 1, 11-14, 32-36, 39, 40, 41, & 41A (added)	Geosyntec	6/16/2014
13	Add location of proposed blower/flare station and add language regarding soil for operational purposes	Minor	Title sheet, Shts. 0, 1, 6, 7, 8, 32	Geosyntec	8/4/2015
	Add detail sheet for proposed blower and flare system	Minor	41B (added)	Carlson Environmental Consultants	
14	Add location of proposed compressor building adjacent to the blower/flare station	Minor	Title sheet, Shts. 0, 1, 6, 7, 27	Geosyntec	3/18/2016
15	Add Coal Combustion Residuals (CCR) Management Plan narratives and revisions including revisions to landfill operations in the Operations Plan, revisions to the groundwater monitoring requirements in the Water Monitoring Plan and cost updates to the Closure/Post-Closure Care Plan.	Minor	Title sheet, Shts. 0, 1, 30A (added), 32, 32A (added), 33	Geosyntec	

1



ATLANTIC COAST CONSULTING, INC.
630 Colonial Park Dr.
Suite 110
Roswell, GA 30075
o 770.594.5998
www.atlcc.net



PROJECT:
**TURKEY RUN
LEACHATE
APPLICATION TO
WORKING FACE**



1850 PARKWAY PLACE
SUITE 600
MARIETTA, GEORGIA 30067
(770) 590-3307

REVISIONS

Drawn by: SP Checked by: DG

PROJECT NUMBER:
1002-302
November 2012

MODIFICATION
HISTORY

Sheet 0 of 45

GEORGIA
Environmental Protection Division
Solid Waste Management Program

MINOR MODIFICATION APPROVAL

SOLID WASTE PERMIT NO. 099-019D (MSWLF)

APPROVED BY: [Signature] DATE: 5/22/2017 1

RECEIVED
APR 06 2017
SOLID WASTE
MANAGEMENT PROGRAM

REVISED: APRIL 5, 2017 - ADDED MODIFICATION NO. 15
REVISED: OCTOBER 27, 2015 - ADDED MODIFICATION NO. 14
REVISED: JULY 27, 2015 - ADDED MODIFICATION NO. 13
REVISED: DECEMBER 23, 2013 - ADDED MODIFICATION NO. 12

Geosyntec
consultants
1255 ROBERTS BOULEVARD, N.W., SUITE 200
KENNESAW, GEORGIA 30144 USA
PHONE: 678.202.8500

[Signature]
SIGNATURE
5 April 2017
DATE



INDEX TO DRAWINGS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
-	TITLE SHEET
0	MODIFICATION HISTORY
1	INDEX TO DRAWINGS AND LEGEND
2	LANDFILL BOUNDARY SURVEY
3	LANDFILL ACCESS ROAD BOUNDARY SURVEY
4	TOPOGRAPHIC SURVEY OF EXISTING CONDITIONS
5	TOPOGRAPHIC SURVEY OF ENTRANCE ROAD AND ASSOCIATED FACILITIES PLAN
6	TOP OF CLAY LINER GRADING PLAN
7	LEACHATE COLLECTION PLAN
8	FINAL COVER SYSTEM GRADING PLAN
9	FINAL DRAINAGE PLAN
10	EROSION CONTROL PLAN
11	LANDFILL - CROSS SECTION A
12	LANDFILL - CROSS SECTION B
13	LANDFILL - CROSS SECTION C
14	LANDFILL - CROSS SECTION D
15	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 1
16	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 2 AND FILLING OF CELL NO. 1
17	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 3 AND FILLING OF CELL NO. 2
18	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 4 AND FILLING OF CELL NO. 3
19	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 5 AND FILLING OF CELL NO. 4
20	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 6 AND FILLING OF CELL NO. 5
21	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 7 AND FILLING OF CELL NO. 6
22	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 8 AND FILLING OF CELL NO. 7
23	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 9 AND FILLING OF CELL NO. 8
24	SEQUENCE OF FILL - CONSTRUCTION OF CELL NO. 10 AND FILLING OF CELL NO. 9
25	SEQUENCE OF FILL - FINAL COVER SYSTEM GRADING PLAN
26	TYPICAL CONSTRUCTION SEQUENCE
27	ENVIRONMENTAL MONITORING PLAN
28	METHANE GAS MONITORING PLAN
29 - 31	WATER MONITORING PLAN
30A	WATER MONITORING PLAN
32	OPERATIONS PLAN AND PROHIBITED WASTE EXCLUSION PLAN
32A	OPERATIONS PLAN AND PROHIBITED WASTE EXCLUSION PLAN
33	CLOSURE/POST CLOSURE CARE PLAN
34-36	CONSTRUCTION QUALITY ASSURANCE PLAN
37-41,42	MISCELLANEOUS DETAILS
41A	MISCELLANEOUS DETAILS
41B	MISCELLANEOUS DETAILS
43	RECYCLING FACILITY LAYOUT AND FLOW DIAGRAM
44	RECYCLING FACILITY OPERATION PLAN AND MISCELLANEOUS DETAILS
45	ODOR CONTROL PLAN AND CLOSURE SEQUENCES

LEGEND

EXISTING 10' CONTOUR	— — — — —
EXISTING 2' CONTOUR	— — — — —
PROPERTY LINE	— — — — —
200' UNDISTURBED BUFFER LINE	— — — — —
JURISDICTIONAL WETLANDS	■ ■ ■ ■ ■
150' UNDISTURBED STREAM BUFFER	- - - - -
FLOOD PLAIN	- - - - -
EXISTING PAVED ROAD	— — — — —
EXISTING UNPAVED ROAD	- - - - -
EXISTING STRUCTURE	□
EXISTING DROP INLET	□
EXISTING HEADWALL	— — — — —
EXISTING STORM PIPE	⊙ — — — — —
PROPOSED METHANE MONITORING PROBE	◆ MM-9
PROPOSED GROUNDWATER MONITORING WELL	● GWC-23
PROPOSED SURFACE WATER MONITORING POINT	▲ SWA-1
PROPOSED WATER SUPPLY WELL (NON-POTABLE)	⊕ WSW-1
SOIL BORING OR PIEZOMETER	● PZ-10D
PROPOSED SURVEY CONTROL MARKER	◆ B.M. 1062
PROPOSED LEACHATE CLEANOUT	□
PROPOSED DROP INLET	■
PROPOSED STORM DRAIN PIPE	⊙ — — — — —
PROPOSED HEADWALL	— — — — —
PROPOSED OVERFLOW STRUCTURE	●
PROPOSED EDGE OF CELL	— — — — —
PROPOSED PERFORATED LEACHATE PIPE	— — — — —
PROPOSED SOLID LEACHATE FORCE MAIN	— — — — —
PROPOSED AIR RELEASE VALVE (TYP.)	▲
GROUNDWATER CONTOUR	— — — — —
PROPOSED 10' CONTOUR	— — — — —
PROPOSED 2' CONTOUR	— — — — —
10' VERTICAL SEPARATION	⊕ 786

ACC
 ATLANTIC COAST
 CONSULTING, INC.
 630 Colonial Park Dr.
 Suite 110
 Roswell, GA 30075
 o 770.594.5998
 www.atlcc.net

PROJECT:
**TURKEY RUN
 LEACHATE
 APPLICATION TO
 WORKING FACE**

WM
 WASTE MANAGEMENT
 1850 PARKWAY PLACE
 SUITE 600
 MARIETTA, GEORGIA 30067
 (770) 590-3307

REVISIONS

Drawn by: SP Checked by: DG

PROJECT NUMBER:
 1002-302
 November 2012

INDEX TO
 DRAWINGS AND
 LEGEND
 Sheet 1 of 45

RECEIVED
 APR 06 2017
 SOLID WASTE
 MANAGEMENT PROGRAM

REVISED: OCTOBER 15, 2009 - RUMBLE STRIP, MAINTENANCE SHOP & WATER FACILITY
 REVISED: NOVEMBER 5, 2007 - ADDRESS EPD COMMENTS
 THIS DOCUMENT ORIGINALLY ISSUED AND SEALED BY WILLIAM F. HODGES, P.E. #15689 ON 10/22/09 AND R BRANT LANE, P.E. #27185 ON 10/22/09. THIS MEDIUM SHALL NOT BE CONSIDERED A CERTIFIED DOCUMENT.

NOTE: The electronic version of this drawing is not for construction purposes, and not a legal design or construction document. Actual construction documents must bear the seal and signature of a registered professional engineer employed by Hodges, Harbin, Newberry & Tribble, Inc. This file may not be copied, released, distributed, or posted to a third party without the express written consent of Hodges, Harbin, Newberry & Tribble, Inc. Users of this electronic drawing assume all risks associated with any information and assumptions based on this drawing, without any liability to Hodges, Harbin, Newberry & Tribble, Inc., which shall be entitled to indemnify for any liability, costs, claim, or expense that might be incurred by any user of this drawing without the written authorization of Hodges, Harbin, Newberry & Tribble, Inc. This NOTE may not be removed from this drawing.

REVISIONS:
 1 REVISED: APRIL 5, 2017 - REVISED TITLE SHEET, SHEET NOS. 0, 1, 32, AND 33 AND ADDED SHEET NOS. 30A AND 32A
 REVISED: JULY 27, 2015 - ADDED SHEET NO. 41B
 REVISED: DECEMBER 23, 2013 - ADDED SHEET NO. 41A

GEORGIA
 Environmental Protection Division
 Solid Waste Management Program
 MINOR MODIFICATION APPROVAL
 SOLID WASTE PERMIT NO. 09-0197(perm)
 APPROVED BY: [Signature] DATE: 5/12/2017

Geosyntec
 consultants
 1255 ROBERTS BOULEVARD, N.W. SUITE 200
 KENNESAW, GEORGIA 30144 USA
 PHONE: 678.202.9500

SIGNATURE
[Signature]
 DATE
5 April 2017

GEORGIA
 REGISTERED
 No. PE030753
 PROFESSIONAL
 ENGINEER
 MUSTAFA SAADI

NOTE: THE FOLLOWING NARRATIVE IS ADDED TO THE "SAMPLING AND ANALYSIS PLAN" SECTION DESCRIBED ON SHEET 30.

COAL COMBUSTION RESIDUAL GROUNDWATER MONITORING ANALYTE REQUIREMENTS:
 All groundwater wells, surface water monitoring points, and underdrain sampling point (SWU) at the facility will be sampled semi-annually for the list of parameters included in Appendix III of 40 CFR 257 (in addition to the parameters included in Appendix III of the Rules for Solid Waste Management - as documented on Sheet 30). Parameters included in Appendix III of 40 CFR 257 are shown in table below. Appendix III data will be evaluated in accordance with the statistical analysis plan. In the event of a verified SSI for an Appendix III specific compound in a groundwater monitoring well sample, the list of analytes will be expanded to include those listed in Appendix IV of 40 CFR 257.

40 CFR 257 APPENDIX III ANALYTICAL REQUIREMENTS				
PARAMETER SUITE	CONTAINER TYPE	TEST METHODS*	PRESERVATIVES	HOLD TIME
BORON, CALCIUM	P	6010 OR 6020	HNO ₃	180 DAYS
CHLORIDE, FLUORIDE, SULFATE	P	300/9066	4 °C	28 DAYS
pH	NONE	150.1; FIELD MEASUREMENT	NONE	15 MINUTES
TOTAL DISSOLVED SOLIDS	P	SM 2540C	4 °C	7 DAYS

Notes:
 P = Polyethylene
 °C = degrees Celsius

Assessment monitoring analytes are included in Appendix IV 40 CFR 257. The NELAP certified laboratory performing the analysis should be consulted regarding analytical requirements for the applicable parameter suites.

* Analysis methods from "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods" SW-846 Third Ed. USEPA, Sept. 1986. It is noted that analytical methods used and referenced for meeting environmental testing requirements evolve over time due to changes in technology, updates and additions to published methodology, and when regulations change to require reference to different methods. In many instances there are equivalent methods for the same analyte published by different authorities on method development; e.g. the U.S. Environmental Protection Agency (EPA) Office of Water, U.S. EPA Office of Solid Waste, Standard Methods, and ASTM. Analytical methods listed in the plan may be substituted provided that the alternate methods are generally approved for use, provide technically defensible data, and are appropriate for the media being tested. The use of alternative approved methods is considered an acceptable deviation from the prescribed methods in the Water Monitoring Plan and will not be considered a violation of the requirements of the Water Monitoring Plan.

GEORGIA
 Environmental Protection Division
 Solid Waste Management Program
MINOR MODIFICATION APPROVAL
 SOLID WASTE PERMIT NO. 099-019 D (mswl)
 APPROVED BY: [Signature] DATE: 5/23/17

RECEIVED
 MAY 22 2017
 SOLID WASTE
 MANAGEMENT PROGRAM

I hereby certify that I am a qualified groundwater scientist, in accordance with the Rules of Solid Waste Management, and 40 CFR Part 258.50(g). A qualified ground-water scientist is a scientist or engineer who has received a baccalaureate or post-graduate degree in the natural sciences or engineering and has sufficient training and experience in groundwater hydrology and related fields as may be demonstrated by State registration, professional Certifications, or completion of accredited university programs that enable individuals to make sound professional judgements regarding ground-water monitoring, contaminant fate and transport, and corrective-action.



Signature: Martha K. Carr
 Date: 19 May 2017

REV	DATE	DESCRIPTION	DRN	APP

1255 ROBERTS BOULEVARD, N.W., SUITE 200
 KENNESAW, GEORGIA 30144 USA
 PHONE: 678.202.9500

1850 PARKWAY PLACE
 MARIETTA, GEORGIA 30067
 PHONE: 770.590.3308

TITLE: WATER MONITORING PLAN (CONTINUED)

PROJECT: DESIGN AND OPERATION PLAN - MINOR MODIFICATION

SITE: TURKEY RUN MSW LANDFILL

THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED.	 SIGNATURE: <u>[Signature]</u> DATE: <u>19 May 2017</u>	DESIGN BY: MC	DATE: MAY 2017
		DRAWN BY: RVJ	PROJECT NO.: GR6304
		CHECKED BY: MC	FILE: Turkey-CCR-GW
		REVIEWED BY: MC	DRAWING NO.: 30A OF 45
		APPROVED BY: MS	

L:\CADD\TURKEY RUN LANDFILL\OPERATIONS\MODIFICATION\02\05\2017\OPERATIONS_PLAN_REV_1\020517.MXD

NOTE: THE NARRATIVE FOR OPERATIONS PLAN IS CONTINUED FROM SHEET 32

38. OPERATIONAL RECORDS / DAILY LOGS:
Accurate written, daily records by actual weight shall be kept of all waste received at the landfill. Copies of such records shall be maintained for a period of at least three (3) years and shall be made available to the Division upon request. This facility will meet the record keeping requirements as found in the Georgia Rules for Solid Waste Management, 391-3-4-.07(3).

Documentation of Routine Load Inspections conducted for incoming loads of waste shall be maintained at the facility for compliance with the CCR Management Plan.

39. SITE USE AFTER CLOSURE:
Upon closure of the site, all areas will receive vegetative cover. Any post-closure use of the landfill property must be approved by EPD.

40. LEACHATE COLLECTION, TREATMENT AND ANALYSIS:
Leachate will be collected and stored in the on-site leachate storage tank.
Leachate shall be disposed by pump and haul or direct discharge to a permitted wastewater treatment facility. The Operator shall record on a weekly basis the volume stored in the leachate tanks, and the volume transported to a wastewater treatment facility.
The chemical composition of leachate flowing to the leachate tanks should be analyzed in accordance with the receiving POTW permit requirements. For purposes of this analysis the leachate sample should be collected from the leachate tanks and should be representative of the average mixed influent leachate quality.

41. LEACHATE SYSTEM MAINTENANCE AND INSPECTION
A. Leachate Collection and Header Pipes - The continuing operation of the leachate collection system is important to the operations of the overall landfill facility. Therefore, as necessary, leachate collection lines should be cleaned on a periodic basis. Lines shall be cleaned with high pressure water jets passed through the lines from the cleanout entrance to the leachate sump. The high pressure cleaning equipment shall be similar to sanitary sewer cleaning equipment. This equipment shall not utilize cutters capable of damaging the collection lines. Only high pressure water jets on sewer cleaning equipment shall be utilized.
B. Leachate Storage Tank - The facility will utilize one (1) - 125,000 gallon leachate storage tank inside secondary containment until leachate generation exceeds 4,200 gallons per day on a monthly average. The leachate storage tanks shall be inspected daily for visible leaks. The leak detection system should also be inspected on a daily basis.

42. REMEDIAL ACTION FOR LINER AND LEACHATE COLLECTION SYSTEM:
The operator shall immediately notify the Division and describe remedial steps to be taken if:
1) Operation of the treatment facilities under the approved plan cannot prevent any of the following:
(i) Violating the terms of its permits, the Georgia Water Quality Control Act and regulations, thereunder.
(ii) Surface water or groundwater pollution.
2) The facility is generating a quality or quantity of leachate that exceeds the design capacity of any future on-site pretreatment system.
3) Failure of the liner or leachate collection is suspected or documented.

43. CONSTRUCTION CERTIFICATION:
Upon receipt of a final and effective solid waste handling permit, construction may commence in accordance with the approved design and operational plan and permit conditions. Prior to receipt of solid waste, the Division must be provided with written certification by a professional engineer licensed to practice in Georgia, that the facility has been constructed in accordance with the approved permit. Unless notified otherwise by the Division, within 15 days of receipt by the Division of the written certification, the facility owner or operator may commence disposal of solid waste. This process shall be repeated for each subsequent major construction phase, including but not limited to, new cells or trenches, additional monitoring wells, sediment ponds, leachate treatment systems, modifications adding a new solid waste handling process, and application of final cover. The approved CCR Manual and Technical Specifications shall be used for each cell construction and shall not be amended unless approved by the Georgia EPD. No construction changes shall be made unless approved by the Georgia EPD. Borrow soils must come from sites with appropriate land disturbing permits.

44. RESPONSIBLE INDIVIDUAL:
The site operator will be certified as required by the Comprehensive Solid Waste Management Act and shall be available 24 hours per day.

45. SEQUENCE OF FILL:
The sequence of fill shall progress as described in the Design and Operation Plan, unless modified.

46. AIR CRITERIA:
The owner/operator shall apply for and obtain air quality permits under TITLE V and NSPS requirements of the Georgia and Federal rules for air quality. The design of the gas system will be submitted to the Air Protection Branch for approval. These permits applications, the permits, and any plans for landfill gas extraction and control shall be placed in the facility operating record, and a letter demonstrating these have been added shall be submitted to the EPD Solid Waste Program.

47. OPEN BURNING:
There shall be no open burning of solid waste at this MSWLF unit. A plan must be submitted to and approved by the Georgia EPD prior to the infrequent burning of agricultural wastes, silvicultural wastes, land clearing debris, diseased trees, debris from emergency cleanup operations, or debris during construction.

48. DISEASE VECTOR CONTROL:
The owner and/or operator of this MSWLF unit will prevent or control on-site populations of disease vectors using techniques appropriate for the protection of human health and the environment.

49. PROHIBITED ACTS:
The landfill will be operated and maintained to prevent open burning, scavenging, and the open dumping of waste.

50. RECYCLE MATERIAL:
The site may construct a 6" thick gravel pad for collection, storage and processing of recycle material (see sheets No. 43 and 44). Initially, the operator will recycle the following:
A. Wood Wastes: Untreated lumber, stumps and timbering slash will be recycled for use as renewable fuel.
B. Concrete Wastes: Concrete wastes will be crushed, the reinforcing steel removed, then the concrete will be re-used as an economy road base material.
C. Asphalt Paving Wastes: Broken, cured asphalt paving material will be crushed, then re-used as an economy road base material.
D. Plastic bottles of various types to be recycled to offset petrochemical processing of raw material.

51. TEMPORARY GEOMEMBRANE COVER OVER CELL LINER
In order to reduce the infiltration of rain water into the leachate collection system, portions of the constructed cell liner system with no waste in place may be covered with temporary geomembrane cover material. The stormwater runoff from the top of the temporary geomembrane cover shall be directed to and handled by the existing surface water management features at the site. The temporary geomembrane cover shall be progressively removed prior to commencing waste placement activities in the cell.

52. CCR MANAGEMENT PLAN RENEWAL, MODIFICATIONS AND LOCAL GOVERNMENT NOTIFICATIONS:
Upon approval of the CCR Management Plan by EPD, the CCR Management Plan shall be valid for a duration of one year. The facility will submit an Annual CCR Management and Dust Control Review sealed by a professional engineer registered in the State of Georgia. The Annual CCR Management Report may be combined with the Annual Fugitive Dust Control Report described in Section 23 of this Operations Plan.
This CCR Management Plan will be revised and submitted to EPD for approval if changes to the operational procedures or facility design are required due to changes in the CCR waste stream.
The Owner or Operator will provide written notification to Meriwether County informing that the Turkey Run Landfill is accepting CCR waste. Additionally, Meriwether County will be provided with a written notification from the Owner or Operator if the CCR Management Plan is amended.

RECEIVED
APR 06 2017
SOLID WASTE
MANAGEMENT PROGRAM

REVISOR: APRIL 5, 2017 - CCR MANAGEMENT PLAN REVISIONS

GEORGIA
Environmental Protection Division
Solid Waste Management Program
MINOR MODIFICATION APPROVAL
SOLID WASTE PERMIT NO. 099-0190 (MSWLF)
APPROVED BY: [Signature] DATE: 5/22/2017

REV	DATE	DESCRIPTION	DRN	APP
<p>Geosyntec consultants 1255 ROBERTS BOULEVARD, N.W., SUITE 200 KENNESAW, GEORGIA 30144 USA PHONE: 678.202.9500</p>				
<p>WM 1850 PARKWAY PLACE MARIETTA, GEORGIA 30067 PHONE: 770.590.3308</p>				
<p>TITLE: OPERATIONS PLAN AND PROHIBITED WASTE EXCLUSION PLAN (CONTINUED)</p>				
<p>PROJECT: DESIGN AND OPERATION PLAN - MINOR MODIFICATION</p>				
<p>SITE: TURKEY RUN MSW LANDFILL</p>				
<p>THIS DRAWING MAY NOT BE ISSUED FOR PROJECT TENDER OR CONSTRUCTION, UNLESS SEALED.</p>				
<p>DESIGN BY: RVJ DATE: APRIL 2017</p>		<p>DRAWN BY: JJA PROJECT NO.: GR6304</p>		
<p>CHECKED BY: RVJ FILE: Turkey-CCR-OP</p>		<p>REVIEWED BY: RVJ DRAWING NO.: 32A OF 45</p>		
<p>APPROVED BY: MS</p>		<p>DATE: 5 April 2017</p>		

L:\CADD\TURKEY RUN LANDFILL\MODIFICATION\MODIFICATION 050457\DRAWINGS\MINOR MODIFICATION APRIL 2017_CCR050457_32_OPERATIONS PLAN_REV_1.MXD

