



Facility Permit No: 0403
Chambers Development MSW Landfill (Anson)
Permit to Construct / Operate

DIN: 22302
Page 1 of 16

North Carolina Department of Environment and Natural Resources
Division of Waste Management

Pat McCrory
Governor

Donald R. van der Vaart
Secretary

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT
SOLID WASTE SECTION

SOLID WASTE MANAGEMENT FACILITY

Permit No. 0403

CHAMBERS DEVELOPMENT OF NORTH CAROLINA, INC.,
A WHOLLY OWNED SUBSIDIARY OF WASTE CONNECTIONS, INC.
is hereby issued a

PERMIT TO CONSTRUCT

0403-MSWLF-2010, Chambers Development MSW Landfill (Anson County Landfill)
Phase 2, Cell C & D, (5 - Year Permit Renewal)

PERMIT TO OPERATE

0403-MSWLF-2010, Chambers Development MSW Landfill (Anson County Landfill)
Phase 1 and 2, Cells 2A, 2B - East and 2B - West

PERMIT FOR CLOSURE

Not Applicable

Located on 375 Dozer Drive, north of US Hwy 74 and east of Polkton, in Anson County, North Carolina, in accordance with Article 9, Chapter 130A, of the General Statutes of North Carolina and all rules promulgated thereunder and subject to the conditions set forth in this permit. The legal description of the site is identified on the deeds recorded for this property listed in Attachment No. 1 of this permit..

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor,
Solid Waste Section

ATTACHMENT 1
GENERAL PERMIT CONDITIONS/INFORMATION

PART I: GENERAL FACILITY

Permit to Operate Date Table

Permit	Status	Issuance	Expiration	DIN
0403-MSWLF-2000, Chambers Development MSW Landfill	Inactive	<i>Not Applicable</i>	<i>Not Applicable</i>	9485
0403-MSWLF-2010, Chambers Development MSW Landfill	Active	##	##	22302

General Conditions

1. This permit is issued by the North Carolina Department of Environment and Natural Resources, Division of Waste Management, Solid Waste Section (Section). In accordance with North Carolina Solid Waste Management Rule 15A NCAC 13B .0201(d), a solid waste management facility permit shall have two parts: a Permit to Construct and a Permit to Operate. The Permit to Construct must be implemented in accordance with Attachment 2 of this permit. The Permit to Operate must be implemented in accordance with Attachment 3 of this permit.
2. The persons to whom this permit is issued (“permittee”) are the owners and operators of the solid waste management facility.
3. Anson County Registry, Book 930, Page 0216 – 0229. “A sanitary landfill has been operated on certain portions of the Property pursuant to Facility Permit No. 04-03, originally recorded in Book 518, Page 167 of the Anson County Registry.
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer shall contain in the description section in no smaller type than that used in the body of the deed or instrument, a statement that the property has been used as a solid waste management facility and a reference by book and page to the recordation of the permit.
5. By receiving waste at this facility the permittee shall be considered to have accepted the terms and conditions of this permit.
6. Operation of this solid waste management facility shall be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition. Failure to comply may result in compliance action or permit revocation.
7. This permit is issued based on the documents submitted in support of the application for permitting the facility including those identified in Attachment 1, “List of Documents for Approved Plan,” and which constitute the approved plan for the facility. Where discrepancies exist, the most recent submittals and the Conditions of Permit shall govern.
8. This permit may be transferred only with the approval of the Section, through the issuance of a new or substantially amended permit in accordance with applicable statutes and rules. In

accordance with NCGS 130A-295.2(g) the permittee must notify the Section thirty (30) days prior to any significant change in the identity or business structure of either the owner or the operator, including but not limited to a proposed transfer of ownership of the facility or a change in the parent company of the owner or operator of the facility.

9. The permittee is responsible for obtaining all permits and approvals necessary for the development of this project including approval from appropriate agencies for a General or Individual NPDES Stormwater Discharge Permit. Issuance of this permit does not remove the permittee's responsibilities for compliance with any other local, state or federal rule, regulation or statute.

Properties Approved for the Solid Waste Management Facility

Anson County Register of Deeds				
Book	Page	Grantor	Grantee	Parcel No.
930	216-229	CHAMBERS DEVELOPMENT OF NORTH CAROLINA, INC. , a North Carolina corporation, a wholly owned subsidiary of Waste Connections, Inc., whose address is: 2295 Iron Point Road, Suite 200, Folsom, CA 95630, and CHAMBERS WASTE SYSTEMS OF NORTH CAROLINA, INC. , a North Carolina corporation, whose address is: 2295 Iron Point Road, Suite 200, Folsom, CA 95630 (collectively, the " Grantors ")	CHAMBERS DEVELOPMENT OF NORTH CAROLINA, INC. , a North Carolina corporation, a wholly owned subsidiary of Waste Connections, Inc., whose address is: 2295 Iron Point Road, Suite 200 Folsom, CA 95630 (the " Grantee ")	6455 00 20 1283
Plat book A-264	5	Recombination Map		
<u>Total Facility Property 875.693 acres</u>				
Deed submitted to SWS on 1/27/2010, Din 9483. Filed with the Anson County Register of Deeds on December 29, 2009.				

PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)

0403-MSWLF-2010, Chambers Development MSW Landfill

Permitting History

Permit Type	Date Issued	Doc. ID No.
Original Permit to Construct, Phase 1	June 1, 2000	8036
Original Permit to Operate, Phase 1, Cell 1A	December 12, 2000	8036
Permit to Operate, Phase 1, Cells 1A and 1B	April 10, 2002	8038
Permit to Construct- modification to leachate	March 10, 2003	8039

system and modified base grades for Cell 1D		
Permit to Operate, Phase 1, Cells 1A, 1B, and 1D	August 1, 2003	8039
Permit to Operate, Phase 1, Cells 1A, 1B, 1D, and 1C-subcell 1	October 27, 2004	8039
Permit to Operate, Phase 1, Cells 1A, 1B, 1D, and 1C-subcells 1 and 2	August 21, 2006	249
Permit to Operate, Phase 1, Cells 1A, 1B, 1D, 1C-subcells 1 and 2, and 1E	May 30, 2008	4311
Permit to Construct, Phase 2, Cells A, B, C, and D	February 16, 2009	4916
Permit to Construct & Operate, change in ownership	February 1, 2010	9485
Permit to Operate, Phase 1 & Cell 2A of Phase 2	December 20, 2011	15711
Permit to Construct- modification of Base Grades to Phase 2, Cell 2B	October 24, 2012	17494
Permit to Operate, Phase 1 and Phase 2: Cells 2A and 2B-East	January 24, 2013	17991
Permit to Operate, Large Type 1 Compost & Leachate Recirculation	January 31, 2014	20407
Permit to Operate, Phase 2: Cell 2B-West	October 17, 2014	21785
Permit to Operate, Tonnage Increase to 3000 tpd.	##	22302
Permit to Construct, Phase 2, Cells A, B, C, and D, 5-Year Renewal	##	22302

1. In 1996, Site Suitability was approved for the landfill facility.
2. In June 2000, the landfill was permitted to Chambers Development of North Carolina, Inc., a subsidiary of Allied Waste Industries, Inc.
3. In December 2008, Allied Waste Industries, Inc. was merged with Republic Services, Inc. As a result of the merger, this landfill facility and a transfer station in Mecklenburg County were required by the U.S. Justice Department to be sold or divested to address possible anti-competitive effects from the merger.
4. In April 2009, Chambers Development of North Carolina, Inc. was purchased by Waste Connections, Inc. The purchase also included the Queen City Transfer Station in Mecklenburg County.
5. Subsequent to the purchase of the facility, Waste Connections, Inc. submitted information and documentation to the Solid Waste Section to apply for the permit to operate the facility to be re-issued to Chambers Development of North Carolina, Inc., a subsidiary of Waste Connections, Inc. During this period, Waste Connections continued to operate the landfill as previously permitted to Allied Waste Industries.

6. Chambers Development of North Carolina, Inc. requests to accept an average of 3,000 tons per day of Acceptable Waste. The average tons per day shall be calculated on a quarterly basis based on the number of days in each quarter" generated within the states of North Carolina and South Carolina. Anson County Board of Commissioners approved the modification to the Franchise Agreement titled "Third Supplemental Agreement" on June 20, 2013.

List of Documents for Approved Plan

The descriptions of previous/historical documents may be found in the Permit to Operate issued December 20, 2011 (DIN 15711, Documents numbered 1 through 35).

DIN	Description
6056	<i>Design Hydrogeologic Report Phase 2 of Anson County MSW Landfill. Prepared by ESP Associates, P.A. and David Garrett. February 25, 2008.</i>
6014	<i>Permit to Construct Application for Chambers Development Municipal Solid Waste Landfill Phase 2. Prepared by Brown and Caldwell. July 9, 2008. Revised through January 2009.</i>
7611	<i>Application for Change in Ownership for the Chambers Development MSW Landfill (Anson Landfill). Prepared by Gallop, Johnson, & Newman, L.C. May 15, 2009.</i>
15709 15783	<i>Final CQA Certification Report, Construction Quality Assurance Services, Anson Waste Management Facility, Phase 2 – Cell 2A Construction, Oasis Consulting Services, LLC in partnership with Oasis Anson County North Carolina. Prepared by ACC of North Carolina, PLLC. November 18, 2011, Revised December 9, 2011.</i>
17098	<i>Memo from Nelson Breeden, Waste Connection’s Engineer, to Solid Waste Section clarifying issues with Phase 2 Cell 2B plans and construction. Included in the submittal was <i>Contract Drawings for Construction of Cell 2B East, Anson County Landfill</i> which included modifications to Cell 2B, which were the extension of the under drain and revising the grading of two sections of Cell 2B subgrade. July 19, 2012.</i>
17489	<i>Geologist’s Subgrade Report and Plans, Anson Waste Management Facility Cell 2B. Prepared by: David Garrett and Associates. October 18, 2012.</i>
17989	<i>Final Certification Report, Construction of Cell 2B East. Prepared for: Waste Connections of Carolinas, Anson County, Prepared by: MJM Consulting, LLC in partnership with Oasis Construction Services, Inc. November 13, 2012, received December 3, 2012.</i>
19419	<i>Operations Plan for the Anson County Municipal Solid Waste Landfill. Prepared by: Civil & Environmental Consultants, Inc. Charlotte, NC. December 21, 2012. DIN 19186. Revised May 20, 2014.</i>
21349	<i>Final Certification Report, Cell 2B West Expansion. Prepared for: Waste Connections Inc., Prepared by: MJM Consulting, LLC in partnership with Oasis Construction Services, Inc. September 5, 2014.</i>
19963	<i>Daily Tonnage Increase, Documents for the Public Hearing & Franchise Agreement. Prepared by: Civil & Environmental Consultants, Inc. Charlotte, NC. October 11, 2013.</i>

PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)

Not Applicable

PART IV: INDUSTRIAL LANDFILL UNIT(S)

Not Applicable

PART V: LAND CLEARING AND INERT DEBRIS LANDFILL UNIT(S)

Not Applicable

PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)

Not Applicable

PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT

Not Applicable

- End of Section -

ATTACHMENT 2

CONDITIONS OF PERMIT TO CONSTRUCT

PART I: GENERAL FACILITY

1. As per NC Solid Waste Management Rules (Rules) 15A NCAC 13B .0201(c) and (d)(1), the Permit to Construct & Operate dated February 1, 2010 and renewed on ## approves the construction of Phase 2 of the landfill, consisting of approximately 33.77 acres with a projected operating capacity of 4,672,949 cubic yards of airspace. The Permit to Construct shall expire on ###.
2. Prior to construction of Phase 3 or 4, a Permit to Construct application must be submitted for approval to the Section. The application must be prepared in accordance with applicable statutes and rules in effect on that date and will be subject to a permitting fee.
3. Modifications or revisions of the approved documents or changes during construction of any landfill unit/cell require approval by the Section, and may constitute a permit modification and be subject to a permitting fee.

PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)

Not Applicable

PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL UNIT(S)

Not Applicable

PART IV: INDUSTRIAL LANDFILL UNIT(S)

Not Applicable

PART V: LAND CLEARING AND INERT DEBRIS LANDFILL UNIT(S)

Not Applicable

PART VI: TRANSFER STATION/TREATMENT & PROCESSING UNIT(S)

Not Applicable

PART VII: MISCELLANEOUS SOLID WASTE MANAGEMENT

Not Applicable

- End of Section -

ATTACHMENT 3
CONDITIONS OF PERMIT TO OPERATE

PART I: GENERAL FACILITY

1. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act NCGS 113A-50, et seq., and rules promulgated under 15A NCAC 4. All required sedimentation and erosion control measures must be installed and operable to mitigate excessive on-site erosion and to prevent silt from leaving the area of the landfill unit during the service life of the facility.
2. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.
3. Modifications to the approved sedimentation and erosion control activities require approval by the North Carolina Land Quality Section. The Solid Waste Section must be notified of any sedimentation and erosion control plan modifications.
4. Copies of this permit, the approved plans, and all records required to be maintained in the operating record by the permittee must be maintained at the facility, unless otherwise approved by the Section, and made available to the Section upon request during normal business hours.
5. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.
6. Open burning of solid waste is prohibited. Fires must be reported to the Regional Waste Management Specialist within twenty-four (24) hours of the occurrence with a written notification to be submitted within fifteen (15) calendar days of the occurrence. Fire lanes must be maintained and passable at all times. Dimensions of the fire lanes must be coordinated with the Fire Marshall having jurisdiction over the site.
7. Processing of materials, shredding, or grinding must not take place at the facility unless approval has been granted under the special use permit and a revised operations plan has been submitted to the Solid Waste Section.
8. The facility must be adequately secured by means of gates, chains, berms, fences, or other security measures approved by the Section to prevent unauthorized entry.
9. Interior roadways must be of all-weather construction and maintained in good condition.
10. Signs must be posted at the entrance to the facility that state that no hazardous waste or liquid waste can be received at the facility; and that provide information on dumping procedures, the hours of operation, the permit number, and other pertinent information. Traffic signs or markers must be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.

11. A responsible individual trained and certified in facility operations must be on-site at all times during all operating hours of the facility, in accordance with G.S. 130A-309.25. An attendant must be present to oversee the loading and unloading of waste.
12. The following, at a minimum, must not be accepted for disposal at the facility: hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, PCB waste as defined in 40 CFR 761, and wastes banned from disposal in North Carolina by G.S.130A-309.10(f).
13. The permittee is required to make application for a permit amendment for subsequent phases of landfill development, in accordance with NCGS 130A-295.8(b)(2).

PART II: MUNICIPAL SOLID WASTE LANDFILL UNIT(S)
0403-MSWLF-2010, Chambers Development MSW Landfill

14. The Permit to Operate shall expire ##. Pursuant to 15A NCAC 13B .0201(g), no later than ##, the owner or operator must submit a request to the Section for permit review and an amendment to the permit in accordance with 15A NCAC 13B .1603 (a)(2).
15. This permit approves the continued operation of Phase 1 of the landfill, consisting of Cells 1A, 1B, 1D, 1C-subcells 1 and 2, and 1E and Phase 2, Cells 2A, 2B-East and 2B-West, as well as the onsite environmental management and protection facilities as described in the approved plans. Operation of the remaining portions of Phase 2 requires written approval of the Section after documentation has been submitted that the area has been constructed in accordance with applicable statutes and rules.
16. The permittee is required to make application for a permit amendment for subsequent phases of landfill development, in accordance with NCGS 130A-295.8(b)(2).
17. The following table lists the dimensions and details for the MSW landfill units, both existing and planned. Total gross capacity is defined as the volume measured from the bottom of waste through the top of final cover. The total capacity for waste constructed (including Phase 2B-West) is 5,538,474 cubic yards of airspace.

Phase/Cell	Area (acres)	Gross Capacity (cubic yards)	Status
Phase 1, Cell 1A	9.28	364,240	Operational
Phase 1, Cell 1B	6.55	467,340	Operational
Phase 1, Cell 1C	10.29	985,060	Operational
Phase 1, Cell 1D	5.88	448,940	Operational
Phase 1, Cell 1E	8.38	795,110	Operational
Phase 2, Cell A	7.13	1,147,916	Operational
Phase 2, Cell 2B-East	8.39	423,382	Operational
Phase 2, Cell 2B-West	2.49	906,486	Operational
Phase 2, Cell C	9.15	1,188,556	Permitted for Const.
Phase 2, Cell D	9.10	1,006,609	Permitted for Const.
Phase 3 (Future)	25.81	6,405,940	Permitted
Phase 4 (Future)	30.2	5,507,620	Permitted
Total	133.10	19,078,530	

18. The facility is permitted to accept 3000 tons per day of solid waste. The average tons per day shall be calculated on a quarterly basis based on the number of days in each quarter (approximately 921,000 tons per year)," in accordance with the approved facility plan and the "THIRD SUPPLEMENTAL AGREEMENT" of the franchise approved January 9, 2012 by the Anson County Board of Commissioners. Maximum variance shall be in accordance with NCGS 130A-294(b1)(1).
19. The following, at a minimum, must not be accepted for disposal at the facility: hazardous waste, yard trash, liquid wastes, regulated medical waste, sharps not properly packaged, PCB waste as defined in 40 CFR 761, and wastes banned from disposal in North Carolina by G.S. 130A-309.10(f).
20. This facility is permitted to receive solid waste generated within the states of North Carolina and South Carolina, consistent with the local government waste management plan and with the franchise approved by the Anson County Board of Commissioners. The facility must not receive solid waste from transfer stations that accept solid waste generated in states other than North Carolina and South Carolina.
21. The permittee must not knowingly dispose of any type or form of municipal solid waste that is generated within the boundaries of a unit of local government that by ordinance:
 - a. Prohibits generators or collectors of municipal solid waste from disposing of that type or form of municipal solid waste.
 - b. Requires generators or collectors of municipal solid waste to recycle that type or form of municipal solid waste.
22. The facility operator must complete an approved operator training course in compliance with G.S. 130A-309.25.

- a. A responsible individual certified in landfill operations must be on-site during all operating hours of the facility at all times while open for public use to ensure compliance with operational requirements.
 - b. All pertinent landfill-operating personnel must receive training and supervision necessary to properly operate the landfill units in accordance with G.S. 130A-309.25 and addressed by memorandum dated November 29, 2000.
23. The permittee must actively employ a screening program that detects and prevents the disposal of hazardous, liquid, and other unauthorized wastes. At a minimum, the program must include:
- a. Random inspections of incoming loads or other comparable procedures.
 - b. Records of all
 - c. Training of personnel to recognize hazardous, liquid and other excluded waste types.
 - d. Development of a contingency plan to properly manage any identified hazardous, liquid, or other excluded or unauthorized wastes. The plan must address identification, removal, storage and final disposition of these wastes.
24. In accordance with 130A-295.6 this landfill may use alternative daily cover (ADC) that has been previously approved at another sanitary landfill in North Carolina. The Solid Waste Section maintains a list of approved ADC and its appropriate use, which may be referred to, but is not required to be, in determining ADC types and uses. Soil cover shall be applied at a minimum of one time per week in accordance with Rule .1626 (2). Soil shall be applied more frequently, if needed, to control nuisance, odor or vectors.
- a. The use of different alternative daily cover requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative daily cover approval must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative daily cover. The plan must be developed according to Section guidelines. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents listed in Attachment 1
 - b. Petroleum contaminated soils as an alternate daily cover is approved and subject to the terms and conditions of operation as set forth in the plan.
 - c. Auto shredded fluff as an alternate daily cover is approved and subject to the terms and conditions of operation as set forth in the plan.
 - d. Seaboard solids as an alternate daily cover is approved and subject to the terms and conditions of operation as set forth in the plan.
25. The facility must maintain records for all solid waste materials accepted as alternative cover material and used as alternate daily cover. The records must include: the date of receipt, weight of material, general description of the material, identity of the generator and transporter, and county of origin. Such records must be made available to the Solid Waste Section upon request.
26. The use of leachate recirculation as a leachate management tool requires approval by the Section prior to implementation. Requests for leachate recirculation approval must include a comprehensive management plan developed according to Section guidelines

- and which is consistent with the approved operation plan. Plans which are approved by the Section will be incorporated into, and made a part of, the approved documents listed in Attachment 1. Leachate recirculation may take place only in landfill areas equipped with a base liner that meets the design requirements of 15 NCAC 13B .1624(b)(1)(A)(i).
27. The facility is permitted to co-dispose of wastewater treatment sludge generated within the facility's approved service area, subject to the terms and procedures of the approved plan.
 28. The leachate collection system must be maintained in accordance with 15A NCAC 13B.1626(12)(a), 15A NCAC 13b .1680 (a)(b)(c) and the approved maintenance plan as contained in Document 37, Part I, Appendix 2, DIN 6014. Documentation of the leachate line inspections, and cleaning and monitoring must be included in the operating records of the facility and provided to the Department upon request.
 29. Financial assurance as required by state rules and statutes must be continuously maintained for the duration of the facility in accordance with applicable Rules and statutes. Closure and Post-Closure cost estimates and financial instruments must be updated annually pursuant to 15A NCAC 13B .1628 and include the two million dollars (\$2,000,000) for potential assessment and corrective action in accordance with NCGS 130A-295.2(h).
 30. A closure and post-closure plan must be submitted for approval at least 90 days prior to closure or partial closure of any landfill unit. The plan must include all steps and measures necessary to close and maintain the unit in accordance with all rules in effect at that time. At a minimum, the plan must address the following:
 - a. Design of a final cover system in accordance with 15 NCAC 13B .1627, or the solid waste management rules in effect at the time of closure;
 - b. Construction and maintenance/operation of the final cover system and erosion control structures;
 - c. Surface water, ground water, and explosive gas monitoring.
 31. Waste collection vehicles, construction equipment, and large trucks carrying borrow or other construction materials for the landfill are prohibited from using Boylin Road for facility access. The Permittee may use Boylin Road only for automobile, SUV, and pickup truck traffic.
 32. The facility shall accept waste disposal vehicles only between the hours of 6:30 a.m. and 5:30 p.m. with some activity after 5:30 p.m. to complete required cover activities. The landfill shall not operate on Sundays.
 33. Prior to disposal in a new subcell previously separated from the active disposal area by rainwater and leachate separation devices involving rainwater flaps welded to the liner and/or disconnected leachate lines, a construction certification shall be placed in the facility operating record. The certification must describe the proper removal of temporary rainwater devices and reconnection of leachate collection lines in accordance with Attachment 1, Part II. The document must also contain a statement of certification by the facility's trained landfill operator, N. C. registered professional engineer, or other person approved by the Section, that the construction was properly completed according to the approved plans.

34. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act N.C.G.S. 113A-50, et seq., and rules promulgated under 15A NCAC 4.

Monitoring and Reporting Requirements

35. Groundwater, surface water, and methane monitoring locations must be established and monitored as identified in the approved plans.
36. A licensed geologist must be present to supervise the installation of groundwater monitoring wells. The exact locations, screened intervals, and nesting of the wells must be established after consultation with the SWS Hydrogeologist at the time of well installation.
37. Ground water monitoring wells and surface water sampling locations must be sampled for Appendix I constituents at least semi-annually according to the specifications outlined in the approved water quality monitoring plan and the current policies and guidelines of the Section in effect at the time of sampling. Methane monitoring must be conducted quarterly, unless otherwise specified by the Section.
38. Hydraulic conductivity and effective porosity values must be established for each screened interval at each monitoring well in order to develop groundwater flow characteristics.
39. Reports of the analytical data for each monitoring event must be submitted to the Section within 120 days of the respective sampling event. The permittee must provide a plan sheet-sized, scaled topographical map, showing the location and identification of new, existing, and abandoned wells and piezometers after installation of groundwater monitoring wells. Analytical data must be submitted in a manner prescribed by the Section. Records of all groundwater, surface water, and leachate analytical data must be kept as part of the permanent facility record.
40. The four independent samples which comprise the initial baseline sampling event must be collected from each new groundwater monitoring well and the report must be submitted to the Section within six months after issuance of the Permit to Operate.
41. Untreated leachate must be sampled and analyzed at least semi-annually concurrently with the groundwater water and surface water sampling. The leachate must be analyzed for all Appendix I constituents, pH, specific conductance, BOD, COD, nitrates, sulfates, and phosphates. Test results must be submitted to the Section along with groundwater and surface water test results. In the event leachate is recirculated, additional leachate sampling may be required.
42. A readily accessible unobstructed path must be cleared and maintained so that four-wheel vehicles may access monitoring well locations at all times.
43. A field log book which details all development, sampling, repair, and all other pertinent activities associated with each monitoring well and all sampling activities associated with each surface water and leachate sampling location must be kept as part of the permanent facility record.
44. All well construction records and soil boring logs for new wells must be submitted to the Solid Waste Section Hydrogeologist for review within 30 days of completion.

45. Within thirty (30) days of the abandonment of any monitoring well/probe, the well abandonment record (GW-30 form) and any additional information included in the abandonment record must be submitted to the Section. The well abandonment records must be submitted to the Section consistent with 15A NCAC 2C .0114(b) and be certified by a Licensed Geologist.
46. All forms, reports, maps, plans, and data submitted to the Section must include an electronic copy.
47. Copies of this permit, the approved plans, and all records required to be maintained by the permittee must be maintained at the facility and made available to the Section upon request during normal business hours.
48. The owner or operator must maintain a record of the amount of solid waste received at the landfill unit, compiled on a monthly basis. Scales must be used to weigh the amount of waste received.
49. On or before August 1 annually, the Permittee must submit an annual facility report to the Solid Waste Section, on forms prescribed by the Section.
 - a. The reporting period shall be for the previous year beginning July 1 and ending June 30.
 - b. The annual facility report must list the amount of waste received and landfilled in tons and be compiled:
 - i) On a monthly basis.
 - ii) By county, city or transfer station of origin.
 - iii) By specific waste type.
 - iv) By disposal location within the facility.
 - v) By diversion to alternative management facilities.
 - c. A measurement of volume utilized in the landfill cells must be performed during the second quarter of the calendar year. The date and volumes, in cubic yards, must be included in the report.
 - d. The amount of waste, in tons from scale records, disposed in landfill cells from December 12, 2000 through the date of the annual volume survey must be included in the report.
 - e. The completed report must be forwarded to the Regional Waste Management Specialist for the facility by the date due on the prescribed annual facility report form.
 - f. A copy of the completed report must be forwarded to each county manager for each county from which waste was received at the facility. Documentation that a copy of the report has been forwarded to the county managers must be sent to the Regional Waste Management Specialist by the date due on the prescribed annual facility report form.

Erosion and Sedimentation Control Requirements

50. All required sedimentation and erosion control measures must be installed and operable to mitigate excessive on-site erosion and to prevent silt from leaving the area of the landfill unit during the service life of the facility.

51. All earth disturbing activities must be conducted in accordance with the Sedimentation Pollution Control Act of 1973 (15 NCAC 4) and consistent with any other local, state or federal requirements.
52. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.
53. Modifications to the approved sedimentation and erosion control activities require approval by the North Carolina Land Quality Section. The Section must be notified of any sedimentation and erosion control plan modifications.

PART III: MISCELLANEOUS SOLID WASTE MANAGEMENT SPECIFIC CONDITIONS

General Conditions

1. Wastes received and product stored shall be maintained in reasonably sized piles with adequate fire breaks and lanes in accordance with the approved operational plans and the pertinent rules.
2. Surface water shall be diverted from all operational and storage areas to prevent standing water in operational areas and under or around storage piles. Water that comes in contact with solid waste shall be contained on-site or properly treated prior to discharge.
3. These areas shall be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard.
4. These areas shall be operated and maintained in a manner so as to minimize odors, prevent the creation of a nuisance, potential health hazard, or a potential fire hazard.
5. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.
6. All miscellaneous solid waste management activities must be managed within the facility in the areas identified in the approved plans. Management of solid waste in areas of the facility other than that referenced above, require written permission of the Solid Waste Section.

Operational Conditions – White Goods

7. The facility is permitted to receive white goods as defined in North Carolina General Statute Article 9, Chapter 130A-290(44).
8. The facility must manage white goods according to the Operation Plan included in Attachment 1, Part II, *List of Documents for the Approved Plan*. Any revisions to the approved plan shall be approved by the Section, prior to implementation.
9. White goods collection areas shall provide for the proper removal of chlorofluorocarbon refrigerants.

Operational Conditions – Tires

10. The facility is permitted to receive tires and scrap tires as defined in North Carolina General Statute Article 9, Chapter 130A-309.53(6) & (7).

11. Scrap tire collection areas shall be operated in accordance with the requirements of 15A NCAC 13B, Rule .1107, except that Gaston County may store up to 25,000 scrap tires as provided in 15A NCAC 13B .1105(g).
12. The facility must manage tires according to the Operation Plan included in Attachment 1, Part II, *List of Documents for the Approved Plan*. Any revisions to the approved plan shall be approved by the Section, prior to implementation.
13. The facility must manage tires according to all applicable statutes and rules of the State of North Carolina.

Public Drop-off Area

14. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.
15. Each received wastes must be temporarily stored in the designated containers in accordance with the waste types. A proper distance between waste containers and/or roll-off boxes must be maintained for inspection, firefighting, and container removal.

Operational Conditions – Treatment & Processing (Wood Grinding)

16. The facility is permitted to operate a treatment and processing facility as defined in 15A NCAC 13B, Rule .0101(49).
17. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B, Rule .0101(23).
18. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.
19. The facility must manage the treatment and processing according to the Operation Plan included in Attachment 3, Part II: *List of Documents for the Approved Plan*. This document is included in the approved plan. Any revisions to the approved plan shall be approved by the North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

Operating Conditions (Large Type 1 Compost Facility)

20. Only materials specifically listed in the permit application may be managed at this facility. A permit modification is required for a request to receive additional feedstocks.
21. The total capacity of the site is 50,000 cubic yards per year. A permit modification is required for a request to increase capacity.
22. An appropriate Division of Water Quality permit for managing any stormwater or wastewater at the facility must be maintained as required. Any leachate generated at the facility and any runoff from the facility must be managed in such a manner that ground or surface water quality will not be adversely affected. The facility must be maintained to prevent the accumulation of stormwater and leachate on composting areas, storage areas, and roads.
23. All sedimentation and erosion control activities must be conducted in accordance with the Sedimentation Control Act NCGS 113A-50, et seq., and rules promulgated under 15A NCAC 4. All required sedimentation and erosion control measures must be installed and

- operable to mitigate excessive on-site erosion and to prevent silt from leaving the compost area.
24. Facility construction, operations or practices must not cause or result in a discharge of pollution, dredged material, and/or fill material into waters of the state in violation of the requirements under Sections 401 and 404 of the Clean Water Act, as amended.
 25. Feedstocks must not be received that are in an anaerobic state.
 26. In the event of a mechanical failure, the facility must immediately use its best effort to utilize substitute equipment for completion of the composting operation.
 27. The odor management procedures must be followed to minimize odors at the facility boundary. Upon receipt of an odor complaint, the facility operator must investigate and take action as necessary to minimize the cause of the complaint. A copy of all written complaints regarding this facility must be maintained for the duration of the permit including the operator's actions taken to resolve the complaints.
 28. The facility must be operated in a manner that reduces the potential for vector attraction.
 29. The compost operation and the compost pad must be operated and maintained with sufficient dust control measures to minimize airborne emissions and to prevent dust from becoming a nuisance or safety hazard. Facility operation must meet Division of Air Quality Rules 15 NCAC 2D. Fugitive dust emissions from the facility that contribute to substantive complaints may subject the facility to the Division of Air Quality requirements as listed in 15A NCAC 2D .0540.
 30. Groundwater quality at this facility is subject to the classification, monitoring, and remedial action provisions of 15A NCAC 2L. Groundwater monitoring may be required if there is an indication for the potential for groundwater contamination.
 31. All compost produced at the facility must meet the requirements of Rule .1407 of the Solid Waste Compost Rules and the permit application.
 32. Windrow dimensions for active composting must be limited to a maximum of 6-feet high and 15-feet wide unless otherwise approved by the Section. Stockpiling of all feedstocks and finished product must be limited to a maximum of 30-feet high and 50-feet wide.
 33. Testing and reporting must be conducted in accordance with the requirements of Rule .1408 and the permit application. Compost process data must be maintained in writing as required to document temperatures, moisture levels, and aeration intervals. Bulk density and C:N calculations must be reviewed weekly.
 34. An annual report of facility activities for the fiscal year July 1 to June 30 must be submitted to the Section by August 1 of each year on forms provided by the Section. This report must include the amount of materials composted in tons.
 35. Copies of this permit, the approved plans, and all records required to be maintained by the permittee must be maintained at the facility and made available to the Section upon request during normal business hours.

- End of Permit Conditions -