



Facility Permit No: 49-03
Permit to Construct / Operate
Iredell County MSWLF
Doc. ID No. **18414**
May 8, 2013
Page 1 of 18

Pat McCrory
Governor

Division of Waste Management
Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

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

MUNICIPAL SOLID WASTE LANDFILL FACILITY PERMIT

Permit No. 4903-MSWLF-1993

IREDELL COUNTY
is hereby issued a

PERMIT TO CONSTRUCT
Phase 5

PERMIT TO OPERATE
Phase 1-4

**CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL
PERMIT FOR CLOSURE**

Permit No. 4903-CDLF-1993

Located on 354 Twin Oaks Road (SR 2319), Iredell 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. 3 of this permit.

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

ATTACHMENT 1

PART I: PERMITTING HISTORY

MSWLF FACILITY PERMIT NO: 49-03	ISSUANCE DATE	Document ID No.
Original MSWLF PTC: Phase 1 and C&DLF	April 1, 1993	
Original MSWLF PTO: Phase 1 and C&DLF	October 8, 1993	
Amendment MSWLF PTC: Phase 2 and C&DLF	January 5, 1998	
Amendment MSWLF PTO: Phase 2 and C&DLF	September 28, 1998	
Amendment MSWLF PTO: C&DLF	March 31, 2000	
Modification MSWLF PTO: Alternative Daily Cover	May 31, 2000	
MSWLF PTC: Phase 3	August 22, 2001	
MSWLF PTO: Phase 3	July 26, 2002	
Amendment PTC: C&DLF Phase2	April 6, 2004	
Amendment PTO: TP Bailing Facility	February 4, 2005	
Amendment PTO: C&DLF Phase 2A	February 7, 2006	
Amendment PTC: C&DLF Phase 3	November 21, 2006	
Amendment PTO: C&DLF Phase 3	March 13, 2007	1083
Amendment MSWLF PTC: Phase 4	July 5, 2007	2597
Amendment MSWLF PTO: Phase 4	July 30, 2008	5150
Amendment MSWLF PTC: Phase 5	May 8, 2013	18414
Amendment MSWLF PTO: Phase 1- 4	May 8, 2013	18414
Amendment CLOSURE: C&DLF	May 8, 2013	18414

PART II: LIST OF DOCUMENTS FOR THE APPROVED PLAN

1. *Request Permission to Construct, Bailer Facility (including operating plans).* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. July 1, 1991.
2. *Correspondence Regarding Expansion of the C&D Landfill Area.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. December 13, 1999.
3. *Correspondence Regarding Groundwater Elevations and Groundwater Monitoring Well Relocation.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. February 14, 2000.
4. *Facility Plan Drawing No. 's 4 and 6, C&D Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. Revised through March 30, 2000.
5. *Drawings PM-1 and PM-2, C&D Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. March 13, 2000.

6. *Construction Quality Assurance Report, Municipal Solid Waste Facility, Phase 2, Iredell County, North Carolina, Volumes 1&2.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. Revised through March 2000.
7. *Report, Alternative Daily Cover, Iredell County Permit No. 49-03.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. March 9, 2000.
8. *MSWLF Facility Permit to Construct Application, Phase 3, Iredell County.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. July 1, 2001.
9. *Design Hydrogeology Study, Phase 3, Iredell County, MSW Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. July 1, 2001.
10. *Request for Modification to Protective Cover Specifications and Supporting Documentations, MSW Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. May 24, 2002.
11. *Construction Quality Assurance Report, Municipal Solid Waste Landfill Facility, Phase 3 Iredell County, North Carolina.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. May 24, 2002 and revised July 25, 2002.
12. *Site Hydrogeologic Report, Iredell County C&D Landfill, Phases 2 & 3.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. January 28, 2004.
13. *As-Built Subgrade Plan, C&D Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. April 8, 2004.
14. *Monitoring Well Installation Records, C&D Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. April 14, 2004.
15. *Piezometer Abandonment Records, C&D Landfill.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. April 14, 2004.
16. *Permit Application (Site and Construction Plans), Construction and Demolition Landfill, C&D Landfill Phase 2.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. July 5, 2002 and revised September 17, 2003, November 13, 2003 and February 16, 2004.
17. *Revised Iredell County Bailer Facility Operations Plan.* Prepared by Municipal Engineering Services Co. Prepared for Iredell County. November 1, 2004.
18. *Correspondence from Brian Wootton to John Murray, C&D Landfill.* January 17, 2006.

19. *Application Phase 2A, C&D Landfill*. Prepared by Municipal Engineering Services Co. Prepared for Iredell County. December 16, 2005 and revised January 16, 2006.
20. *Construction and Demolition Landfill Phase 3 Permit Application and Ground and Surface Water Sampling Plan*. Prepared by Municipal Engineering Services Co. Prepared for Iredell County. April 2006 and revised October 11, 2006. DIN 15069.
21. *Iredell C&D Landfill Subgrade As-Built Drawing C1 (1 of 1)*. Prepared by Municipal Engineering Services Co. Prepared for Iredell County. February 7, 2007.
22. *MSWLF Facility, Permit to Construct, Phase 4, Iredell County, Statesville, North Carolina, Project No. G06035*. Prepared by Municipal Engineering Services. Prepared for Iredell County. January 2007, revised May 2007 and June 2007. Document ID No. 5161.
23. *Construction Quality Assurance Report, Municipal Solid Waste Landfill Facility, Phase 4, Volumes 1&2, Iredell County North Carolina*. Prepared by Municipal Engineering Services Co. Prepared for Iredell County. June 2008. Document ID No. 5036.
24. *Amended Operations Plan MSWLF Facility, Permit to Construct, Phase 4, Iredell County, Statesville, North Carolina, Project No. G06035*. Prepared by Municipal Engineering Services. Prepared for Iredell County. January 2007, revised May 2007 and June 2007. Document ID No. 5162.
25. *Site Hydrogeological Study, Iredell County MSWLF (Steele Property Expansion)*. Prepared by: Municipal Engineering Services, Garner, NC. Prepared for: Iredell County. May 18, 2009, Revised May 31, 2011. DIN 14083, 14084.
26. *MSW Facility Site Study, Expansion of Existing Facility Iredell County Landfill, Iredell County, North Carolina*. Prepared by: Municipal Engineering Services, Garner, NC. Prepared for: Iredell County. DIN 12866.
27. *Design Hydrogeologic Study, Iredell County Landfill – Phase 5 (17+ or – Acres), Iredell County, Statesville, North Carolina, Project No. G08002.6*. Prepared by Municipal Engineering Services. Prepared for Iredell County. November 4, 2011, revised May 3, 2012. DIN 14084, 14083, 16685, 17798.
28. *Operation Plan for Sorting Tear-off Asphalt Shingles for Recycling*. Prepared by: David Lambert and Municipal Engineering Services Company, Garner, NC. February 17, 2012, Revised May 31, 2011. DIN 16546. DIN 16547.
29. *Permit To Construct, Phase 5, Iredell County, Municipal Solid Waste Landfill Facility, Statesville, North Carolina, Project No. G08002*. Prepared by Municipal Engineering

Services. Prepared for Iredell County. January 2012. Revised January 14, 2013, February 11, 2013, DIN 18444. Complete Final Document DIN 14950.

30. *Storm Water Management Plan for the operation of Phase 5.* Prepared by Municipal Engineering Services. Prepared for Iredell County. March 26, 2013. DIN 18752.

PART III: PROPERTIES APPROVED FOR THE SOLID WASTE FACILITY

Iredell County, N.C. Register of Deeds				
Book	Page	Acreage	Grantor	Grantee
744	570	68.23	M.F. Crouch and wife, Margaret Crouch	Iredell County
816	155	91.13	Joy Acre Farms, Ltd.	Iredell County
847	906	17.88	Woodridge Corporation	Iredell County
1133	1274	49.33	Louise R. Bradshaw, widow et al	Iredell County
1133	1287	1.0	William Wesley Summers and wife, Jessie Davis Summers	Iredell County
1133	1289	0.46	Maxine M. Thompson	Iredell County
1133	1908	0.893	John L Adams and wife, Betty E. Holmes Adams	Iredell County
1135	659	0.919	John Franklin Rankin and wife Deborah Rankin	Iredell County
1212	1092	54.76	Joy Acre Farms, Ltd.	Iredell County
1910	1933	28.88	J.C. Steele and Sons, Inc.	Iredell County
911	1705	2.39	Jeffery R. Vinson et al	Iredell County
		315.872	Total Site Acreage	

-End of Section -

PART IV: GENERAL FACILITY 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 person(s) to whom this permit is issued (“permittee”) are the owner(s) and operator(s) of the solid waste management facility.
3. This permit shall not be effective until the certified copy of this permit which references legal descriptions for all land within the solid waste management facility boundary is recorded in the Register of Deeds office and indexed in the grantor index under the name of the owner of the land in the county or counties in which the land is located. The certified copy of the permit, affixed with the Register's seal and the date, book, and page number of recording, must be returned to the Section within 30 calendar days of issuance of this permit. If the Section does not receive the certified copy of the recorded permit within 30 calendar days of issuance of the permit, then and in that event, the permit is suspended and of no effect until the date the Section receives the certified copy of the recorded permit.
4. When this property is sold, leased, conveyed, or transferred in any manner, the deed or other instrument of transfer must 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 sanitary landfill 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 must 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.
7. This permit is issued based on the documents submitted in support of the permit application for the facility including those identified in Attachment 1, “List of Documents for Approved Plan,” which constitutes 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 and 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 shall 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.

- End of Section -

ATTACHMENT 2

CONDITIONS OF PERMIT TO CONSTRUCT

PART I: MUNICIPAL SOLID WASTE LANDFILL UNIT SPECIFIC CONDITIONS

1. The Permit to Construct was issued on May 8, 2013 and the permit shall expire May 8 2018, pursuant to the NC Solid Waste Management Rules (Rule) 15A NCAC 13B .0201(c) and (d)(1).
2. Pursuant to the NC Solid Waste Management Rules (Rules) 15A NCAC 13B .0201 (c) and (d)(1), this permit approves construction of Phase 5 of the landfill. This Phase has a projected gross capacity of 1,396,961 cubic yards of airspace. The MSWLF unit's waste footprint increased from 83 acres to 115.64 acres. This permit increased the total gross capacity of the MSWLF facility to approximately 12,534,121 cubic yards from 6,661,380 cubic yards. The approved facility boundary, including buffer areas, will increase from 248 acres to 315.872 acres (Site Suitability Letter approval, DIN 14877). An application for a Permit to Construct will be required for future Phases 6, 7 and 8. prior to the initiation of construction activities. Phases 7 & 8 were the previously permitted Phase 5's waste footprint.

<u>Phase</u>	<u>Acres</u>	<u>Gross Capacity</u> (cubic yards)	<u>Phase Status</u>
1	17	1,624,896	Intermediate Closure
2	12	1,146,985	Intermediate Closure
3	17	1,624,896	Operational
4	12	1,146,985	Operational
5	16.83	1,396,961	To be Constructed
6	15.17	1,655,346	Future Expansion Area
7 & 8	24	3,938,052	Future Expansion Area (Previously Permitted Phase 5)
Total	115.64	12,534,121	

3. The initial substantial, construction authorized by this Permit to Construct must commence within 18 months from the issuance date of this permit. If substantial construction does not begin within 18 months from the issuance date of this permit, then the permit to construct shall expire. Substantial construction includes, but is not limited to, issuance of construction contracts, mobilization of equipment on site, and construction activities including installation of sedimentation and erosion control structures. The permittee may reapply for the Permit to Construct prior to the expiration date. The re-application will be subject to the statutes and rules in effect on that date and may be subject to additional fees.
4. Construction of all solid waste management units within this facility must be in accordance with the pertinent approved plans for those phases of development as described in Attachment I, Part II, List of Documents for the Approved Plan.
5. The permittee must conduct a preconstruction meeting at the facility prior to initiating construction of any unit/cell and must notify the Section at least 10 days prior to the meeting.
6. 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.
7. The following conditions must be met prior to operation of Phase 5 and subsequent phases:
 - a. The Permittee must obtain a Permit to Operate for the phase from the Section in accordance with 15A NCAC 13B .0201(d)(2).
 - b. Construction Quality Assurance (CQA) documentation and a certification by the project engineer that the landfill was built in accordance with approved plans and the conditions of the permit must be submitted to the Section for review and approval.
 - c. The Permittee must contact the appropriate regional environmental specialist and permitting engineer to determine whether the Section chooses to hold a pre-operative meeting with key landfill personnel and representatives of the Section.
 - d. As per 15A NCAC 13B 1620(e)(5).and 1626 (8), a stormwater segregation system for Phase 5 and subsequent phases was developed and submitted to the Section for review and approval on April 29, 2013. This plan required location and details of the control measures for stormwater within the Phase. Surface water

shall not be impounded over or in waste and shall be diverted from the operation area. Construction documentation and a certification report shall be submitted as part of the CQA Report in 6(b).

8. Leachate lines in areas of new construction must be cleaned and camera-inspected after construction is complete and the documentation submitted to the section as part of the CQA report.
9. Pursuant to the NC Solid Waste Management Rule (Rule) 15A NCAC 13B .1626(5) burning of land-clearing debris generated on-site, as a result of construction activities, requires approval by the Section prior to initiating the burn. In addition, the Division of Air Quality and local fire department must approve the activity prior to burning.

Geologic, Ground Water and Monitoring Requirements

10. Prior to issuing the Permit to Operate, samples from new ground water monitoring wells and surface water stations must be sampled for the Appendix I constituent list.
11. Prior to construction of the phase or cell(s) within the phase, all piezometers, borings, and groundwater monitoring wells within the footprint must be properly abandoned in accordance with 15A NCAC 2C .0113 (d), entitled "Abandonment of Wells."
12. In areas where soil is to be undercut, abandoned piezometers, monitoring wells and borings must not be grouted to pregrade land surface, but to the proposed base grade surface to prevent having to cut excess grout and possibly damage the wells.
13. A Licensed Geologist must report any pertinent geological feature(s) exposed during phase or cell excavation. Prior to placing any landfill liner, the geologist must submit to the Section hydrogeologist a written report that includes an accurate description of the exposed geological feature(s) and effect of the geological feature(s) on the design, construction, and operation of the cell, phase, or unit.
14. A Licensed Geologist must supervise installation of groundwater monitoring wells and surface water sampling stations.
15. Any modification to the approved water quality monitoring, sampling, and analysis plan must be submitted to the Section Hydrogeologist for review.
16. Within 30 days of completed construction of each new groundwater monitoring well, a well construction record (GW-1 form), typical well schematic, boring log, field log and notes, and description of well development activities must be submitted to the Section. Each monitoring well and gas probe must be surveyed for location and elevation.
17. The permittee must submit to the Section 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.

18. Within thirty (30) days of the completed permanent abandonment of a groundwater monitoring well, 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.
19. All forms, reports, maps, plans, and data submitted to the Section must include an electronic copy.

Erosion and Sedimentation Control Requirements

20. 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.
21. 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.
22. 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.
23. 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 modification.

-- End of Section --

ATTACHMENT 3 CONDITIONS OF PERMIT TO OPERATE

PART I: GENERAL FACILITY CONDITIONS

24. The Permit to Operate shall expire **July 30, 2018**. Pursuant to 15A NCAC 13B .0201(g), no later than **January 30, 2018**, the owner or operator must submit a request to the Section for permit review prepared in accordance with Section .1603(a)(2) or (3) as applicable, and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.

25. This permit renewal authorizes the operation of Phases 1-4 in accordance with the approved plan referenced in Attachment 1, Part II, of this permit.
26. The edge of the waste footprint for all disposal units must be identified with permanent physical markers.

Operational Requirements

27. This facility is permitted to receive solid waste generated within Iredell County except as may be prohibited by North Carolina General Statutes Article 9 of Chapter 130A and rules adopted by the Commission for Health Services.
28. This permit is a 5-year renewal for the operational approval of Phases 1-4. The approved average disposal rate is approximately 175,000 tons per year with a daily average of 600 tons per day as set forth in Document 28 of Attachment 1, Part II: "List of Documents for the Approved Plan." The maximum variance should be in accordance with GS 130A-294(b1)(1) and consistent with local government approval.
29. The owner or operator of the landfill facility 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
30. 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 that it is 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.
31. The use of alternative daily cover requires approval, prior to implementation, by the 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 shall 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 3.

The use of Posi-Shell as an alternate daily cover is approved and subject to the terms and conditions of operation as set forth in the plan. 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 odors or vectors.

The use of Auto Shredder Residue (ASR) as an alternate daily cover is approved and subject to the terms and conditions of operation as set forth in the plan.

32. 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.

Monitoring and Reporting Conditions

33. Ground water monitoring must be as prescribed by the appropriate requirements of 15A NCAC 13B .1630-.1637 and the approved monitoring plan. In addition, landfill gas monitoring at this unit must be as prescribed by the appropriate requirements of Rule .1626(4) and the approved monitoring plan.
34. A Licensed Geologist must supervise installation of groundwater monitoring wells.
35. The exact locations, screened intervals, and nesting of the wells must be established after consultation with the Section Hydrogeologist at the time of well installation.
36. Any modification to the approved water quality monitoring, sampling, and analysis plan must be submitted to the Section Hydrogeologist for review.
37. Within 30 days of completed construction of each new groundwater monitoring well, a well construction record (GW-1 form), typical well schematic, boring log, field log and notes, and description of well development activities must be submitted to the Section.
38. A readily accessible unobstructed path must be cleared and maintained so that four-wheel drive vehicles may access monitoring well locations at all times.
39. A field logbook 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.
40. Landfill gas monitoring reports must be added to the facility's operating record within 7 days of the monitoring event, and must include a description of the monitoring method

used, the sampling results of each probe and onsite buildings in percent of the lower explosive limit (LEL), date of monitoring, weather conditions, calibration report, and signature of the sampling personnel.

41. Copies of this permit, the approved plans and all records required by the permittee must be maintained at the facility as part of the permanent record and available to the Section upon request during normal business hours.
42. 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.
43. Reports of the analytical data for each water quality sampling event must be submitted to the Section within 120 days of the respective sampling event. Analytical data must be submitted in an electronic portable document format (pdf) and in a spreadsheet format in an Electronic Data Deliverable (EDD) Template.
44. The four independent samples which comprise the initial baseline sampling event must be collected from each ground water monitoring well and the report must be submitted to the Section within six months after issuance of the Permit to Operate.
45. 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. Each monitoring well and gas probe must be surveyed for location and elevation. Each groundwater monitoring well must have an identification plate permanently attached to the well, in accordance with 15A NCAC 2C .0108(o).
46. Well abandonment records (GW-30 form) for each decommissioned piezometer, boring, and groundwater monitoring well must be certified by a Licensed Geologist and submitted to the Section in accordance with 15A NCAC 2C .0114 (b).
47. Untreated leachate must be sampled and analyzed at least semi-annually concurrently with the ground and surface water sampling. The leachate must be analyzed for all Appendix I constituents, pH, specific conductance, BOD, COD, phosphate, nitrate, and sulfate. Test results must be submitted to the Section along with ground and surface water test results. In the event leachate is recirculated, additional leachate sampling may be required.

-- End of Section --

PART II: MUNICIPAL SOLID WASTE LANDFILL SPECIFIC CONDITIONS

48. All accessible leachate lines at the facility must be camera-inspected and cleaned as per the approved Operation Plan or earlier if an abnormal reduction in leachate production is observed. Any blockages encountered must be repaired and reported to the Section. Following any blockages, the frequency of camera inspection and cleaning is yearly. The initial camera inspection and cleaning of all accessible leachate lines at the facility must be performed, and a report submitted to the Section. Documentation of all subsequent camera-inspections and cleaning must be added to the facility operating record and made available to the Section upon request.
49. The facility is permitted to co-dispose of wastewater treatment sludge generated within the facility's approved service area, and subject to the terms and procedures of the approved plan.
50. 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.
51. On or before August 1 annually, the Permittee must submit an annual facility report to the 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 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 MSW 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 MSW waste, in tons from scale records, disposed in landfill cells since March 6, 1992 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.
52. The proper removal of geotextile covering the gravel column, occurring with the progression of fill, shall be documented by the facility's trained landfill operator, or other person approved by the Section and the documentation shall be placed in the facility's operating record.

– End of Section –

PART III: CONSTRUCTION AND DEMOLITION DEBRIS LANDFILL
UNIT SPECIFIC CONDITIONS (4903-CDLF-1993-CLOSED)

53. The C&D landfill unit stopped receiving waste on June 27, 2008. The landfill was inspected by the Section in accordance with Rule .0505 and .510 and found to be satisfactory. The closure certification was completed on November 30, 2011 (DIN 8243; 2' of soil, DIN 15968; vegetation).
54. Iredell County must provide post-closure care and monitoring for the landfill, including maintaining the integrity and effectiveness of the cap system, making repairs to the cover as necessary to correct the effects of settlement, subsidence, erosion, or other events, and prevent surface water from impounding over waste and run-on and run-off from eroding or otherwise damaging the cap system
55. For the closed C&D landfill unit, the permittee must conduct groundwater and surface water sampling in accordance with the post-closure water quality monitoring plan of the approved Closure Plan. Ground water monitoring wells and surface water sampling location(s) must be sampled on a semi-annual basis. The permittee must maintain a record of all monitoring events and analytical data. Reports of the sampling events and analytical data must be submitted to the Section in a timely manner.
56. Any proposed expansion to the closed C&D landfill unit will be considered a new landfill for purposes of Solid Waste Management permitting.
57. Any post-closure use of the property, including but not limited to, residential,

commercial, industrial, agricultural, or recreational use, is subject to review and approval by the Section and must not disturb the integrity of the cap system, or the function of the monitoring systems. The Section may approve any other disturbance if the owner or operator submits a modified post-closure plan which describes the planned use of the property and demonstrates that disturbance of the cap system, including any removal of waste, will not increase the potential threat to human health or the environment. Post-closure uses approved by the Section will be included in the List of Approved Documents, Attachment 1, Part II.

End of Section –

PART IV: Miscellaneous Treatment and Processing Unit Specific CONDITIONS (INCLUDES 4903-TP-MWP- IREDELL COUNTY BALEFILL FACILITY)

General Conditions

58. 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.
59. 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.
60. 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.
61. 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.
62. Effective vector control measures shall be applied as necessary to control flies, rodents, insects, or vermin.

Materials Mulching and Grinding (Wood Grinding)

63. The facility is permitted to operate a treatment and processing facility as defined in 15A NCAC 13B, Rule .0101(49).
64. The facility is permitted to receive land clearing waste as defined in 15A NCAC 13B, Rule .0101(23).
65. The facility is permitted to receive wooden pallets constructed of unpainted and untreated natural wood.
66. The facility is permitted to receive yard trash as defined in 15A NCAC 13B, Rule .0101(55). However, this ground material containing yard trash may not be distributed to the public unless it has been composted in accordance with Rule .1400.

67. The facility must manage the treatment and processing according to the Operation Plan included in Attachment 1, 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 Section, prior to implementation.

White Goods Area

68. The facility is permitted to receive white goods as defined in North Carolina General Statute Article 9, Chapter 130A-290(44).
69. The facility must manage white goods according to the Operation Plan included in Attachment 1, 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.
70. White goods collection areas shall provide for the proper removal of chlorofluorocarbon refrigerants-

Public Drop-off Area

71. The landfill unit shall conform to all operating requirements described in the approved plans, 15A NCAC 13B .1626, and the conditions specified herein.
72. 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 – Tires

73. This unit shall be operated in accordance with the approved documents and the requirements of 15A NCAC 13B .1107.
74. 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).
75. The facility must manage tires according to all applicable statutes and rules of the State of North Carolina.

Operational Conditions - Yard Waste

76. The facility is permitted to receive yard waste as defined in 15A NCAC 13B, Rule .0101(56).
77. Yard waste areas shall be operated in accordance with the requirements of 15A NCAC 13B, Rule .1400.
78. The facility must manage yard waste 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 North Carolina Division of Waste Management (DWM), Solid Waste Section, prior to implementation.

Type 1 Small Composting Unit

79. This unit may receive only yard waste, silvicultural waste, untreated and unpainted wood waste.
80. This unit shall be operated in accordance with the approved plan and the operational requirements of 15A NCAC 13B .1406
81. Final product shall meet the label requirements of 15A NCAC 13B .1407(g).

- *End of Permit Conditions* -