



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

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

SOLID WASTE MANAGEMENT FACILITY
Permit No. 9401

DOMTAR PAPER COMPANY, LLC
A SUBSIDIARY OF DOMTAR CORPORATION
is hereby issued a

PERMIT TO CONSTRUCT

Not applicable

PERMIT TO OPERATE

9401- INDUS-2008 DOMTAR PAPER COMPANY LANDFILL 3 – PHASES 2, 3 AND 4

PERMIT FOR CLOSURE

9401- INDUS-2008 DOMTAR PAPER COMPANY LANDFILL 3 – PHASES 1A AND 1B

Located *west of Ken Trowbridge Road and north of Highway 64, west of the Town of Plymouth, Washington 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
9401-INDUS-2008 Domtar Paper Company Landfill 3	Active	October 4, 2013	May 22, 2018	18842

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. The Permit to Operate for this facility dated May 22, 2008, was recorded in the Washington County, N.C. Register of Deeds on June 4, 2008 in Deed Book 454, Pages 535-544. DIN 4690.
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

Washington County, N.C. Register of Deeds				
Book	Page	Property Owner	Tract	Acres
443	592	Domtar Paper Company, LLC	3	114
443	592	Domtar Paper Company, LLC	4	188.8
443	592	Domtar Paper Company, LLC	13	47.69
Total Site Acreage: approx. 350.49 acres				

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)

9401-INDUS-2008 Domtar Paper Company Landfill 3

Permitting History

1. In the 1950s through the 1970s, Weyerhaeuser Company operated Landfill No. 1 on a separate area from this facility, at the northwest corner of the Weyerhaeuser property in Martin County.
2. In 1978, Weyerhaeuser Landfill No. 2 was approved to operate on Tract 4 of this facility property. The landfill was later extended south to be also located on Tract 13 property. The landfill received industrial waste through 2002. See Part III below for a description of the Tracts.
3. In 1991, Weyerhaeuser Company was permitted to operate an asbestos landfill on the facility property. The asbestos landfill is located east of Landfill No. 2 and west of Landfill No. 3.
4. In 2000 and 2003, Permits to Construct and Permits to Operate were issued to Weyerhaeuser Company for Landfill No. 3, Phase 1A, 1B, and 2. The landfill is located on Tract 4 and Tract 13 property.
5. In 2006, Weyerhaeuser Company was combined with Domtar Paper Corporation.
6. In 2007, the landfill facility property was sold from Weyerhaeuser Company to Domtar Paper Company, LLC.

7. Subsequent to the purchase of the facility, Domtar has submitted information and documentation to the Solid Waste Section to apply for the permit to operate the facility to be re-issued to Domtar Paper Company, LLC and Domtar Corporation. Prior to the issuance of this permit, Domtar has continued to operate the landfill facility as previously permitted to Weyerhaeuser Company.

Permit Type	Date Issued	DIN
Site Approval Letter, Landfill No. 2	May 4, 1978	
Order of Approval, Landfill No. 2	June 16, 1978	
Solid Waste Management Permit, Landfill No. 2	May 2, 1980	
Solid Waste Management Permit Amendment, Landfill No. 2	January 19, 1990	
Solid Waste Management Permit Amendment – asbestos landfill	January 14, 1991	
Permit to Construct Landfill No. 3 Phase 1A	May 16, 2000	
Permit to Operate Landfill No. 3 Phase 1A	December 14, 2000	
Permit to Operate Modification, alternate daily cover	July 3, 2001	
Permit to Construct Landfill No. 3 Phases 1B and 2	November 25, 2002	
Permit to Construct Modification, LCID and asbestos units	April 8, 2003	
Permit to Operate Landfill No. 3 Phases 1A, 1B, and 2	October 14, 2003	
Permit to Operate Landfill No.3, Amended, Ownership/name change.	May 22, 2008	4518
Permit to Construct modification, Phases 3 and 4.	November 10, 2010	11729
Permit to Operate modification, Landfill No. 3, Phases 3 and 4. Includes post closure care conditions for Phase 1A and 1B	September 20, 2011	14955
Permit to Operate amendment, five (5) year renewal.	October 4, 2013	18842

List of Documents for Approved Plan

The descriptions of previous/historical documents are found in the Permit to Operate issued September 20, 2011. DIN 14955.

DIN	Description
11480	<i>Two Design Variances Requested, Domtar Landfill No. 3, Plymouth, North Carolina, Regards to the Closure of Phase 1a and 1b. Prepared for Domtar. Prepared by RMT. August 2010.</i>
11648	<i>Domtar Paper Company Landfill No. 3, Permit to Construct (PTC) Phase 3 and Phase 4 – Variance. Prepared for Domtar. Prepared by RMT. August 2010</i>
12123	<i>Phase 3 and Phase 4 Construction Plan Application, On-Site Industrial Waste Landfill No. 3, Domtar Paper Company, LLC (Formerly Weyerhaeuser Company), Plymouth, North Carolina, June 2008, Revised August 2009, August 2010, Revised November 2010. Prepared for Domtar. Prepared by RMT. November 3, 2010.</i>
14307	<i>Landfill No. 3 – Phase 1A & 1B Closure, Construction Quality Assurance Report.</i>

	Prepared for Domtar. Prepared by RMT. July 6, 2011.
14846	<i>Landfill No. 3 – Phase 3 & 4, Construction Quality Assurance Report.</i> Prepared for Domtar. Prepared by TRC. August 15, 2011.
17784	<i>Domtar Paper Company, LLC, On-Site Industrial Landfill No.3, Plymouth, North Carolina, Permit No. 94-01, 2012 Permit Renewal, Revised Cap Design Report, November 2012.</i> Prepared for Domtar Paper. Prepared by Joyce Engineering. November 2012.
18839	<i>Request to Clean Leachate Lines Every Other Year On-site Industrial Landfill No.3 – Domtar Paper Company, LLC – Plymouth, NC Permit No. 9401.</i> Prepared by Domtar Paper. March 2013.

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

Not Applicable

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. The permittee must maintain permanent markers that accurately identify the edge of the approved waste disposal boundary.
2. Financial assurance must be continuously maintained for the duration of the facility in accordance with NCGS 130A 295.2. The owner and operator must annually adjust cost estimates for inflation.
3. 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.
4. 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.
5. Facility construction, operations and/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.
6. 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.
7. All forms, reports, maps, plans, and data submitted to the Section must include an electronic (pdf) copy.
8. 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.

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)

9401-INDUS-2008 Domtar Paper Company Landfill 3 – Phases 2, 3, and 4

9. The Permit to Operate shall expire **May 22, 2018**. Pursuant to 15A NCAC 13B .0201(g), no later than **November 22, 2017**, the permittee must submit a request to the Section for permit

review and must update pertinent facility plans including, but not limited to, the facility operation and waste screening plans.

10. This permit approves the continued operation of Landfill No. 3 – Phases 2, 3 and 4, as well as the onsite environmental management and protection facilities as described in the approved plans.
11. The following table lists the estimated gross capacity and status details for the landfill phases. Gross capacity is defined as the calculated volume from the elevation of initial waste placement to the top of the final cover.

Phase	Capacity (cubic yards)	Anticipated Life (years)	Status
1A, 1B	548,103	4.4	Closed
2	682,960	3.9	Constructed
3	597,000	3.4	Constructed
4	864,000	7.1	Constructed
5	782,000	7.8	Proposed
6	810,000	8.1	Proposed
7	757,000	7.6	Proposed
8	773,000	7.7	Proposed
9	618,000	6.2	Proposed
10	499,000	5.0	Proposed
11	589,000	5.9	Proposed
12	368,000	3.7	Proposed
13	432,000	4.3	Proposed
14	458,000	4.6	Proposed
15	514,000	5.1	Proposed
16	562,000	5.6	Proposed
17	367,000	3.7	Proposed
18	528,000	5.3	Proposed
			Proposed

Operational Requirements

12. This facility is permitted to receive solid waste generated by Domtar Paper Company, LLC and **the Weyerhaeuser Plymouth Lumber Technology Facility**, as described in Attachment 1, Part II; List of Documents for the Approved Plan and as defined in G.S. 130-290 (a)(2b), except where prohibited by the N. C. General Statutes Article 9 of Chapter 130A, and the rules adopted by the Commission for Health Services.
13. The facility operator must complete an approved operator training course in compliance with G.S. 130A-309.25.
 - b. A responsible individual certified in landfill operations must be available to the landfill-operating personnel, either on-site or by phone, during all operating hours of the facility to ensure compliance with operational requirements.

- c. 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. This may be accomplished through regular (daily) communication with those performing the landfill operations concerning: landfill plans and specifications, locations for waste deposition, cover and slope criteria expected waste streams and special projects.
14. The use of different alternative cover materials requires approval, prior to implementation, by the Solid Waste Section. Requests for alternative cover material approval must include a plan detailing the comprehensive use and a demonstration of the effectiveness of the alternative cover material. 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, Part IV; List of Documents for the Approved Plan.
15. (Intentionally blank)

Monitoring and Reporting Requirements

16. Groundwater locations must be established and monitored as identified in Attachment 1, Part IV; List of Documents for the Approved Plan.
17. 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.
18. Groundwater monitoring wells must be sampled for the constituents in the approved monitoring plan, 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.
19. Reports of the analytical data for each monitoring event must be submitted to the Section within 120 days of the respective sampling event. Analytical data must be submitted in a manner prescribed by the Section. Records of all groundwater and leachate analytical data must be kept as part of the permanent facility record.
20. One sample which will comprise the initial baseline sampling event must be collected from each groundwater monitoring well. Each sample must be analyzed for Appendix I constituents, the report must be submitted to the Section within six months after issuance of the Permit to Operate.
21. Untreated leachate must be sampled and analyzed at least semi-annually concurrently with the groundwater water sampling, one sample per event. The leachate must be analyzed for the same constituents that the groundwater monitoring wells are the constituents in the approved monitoring plan. Test results must be submitted to the Section along with groundwater test results. In the event leachate is recirculated, additional leachate sampling may be required.
22. A readily accessible unobstructed path must be cleared and maintained so that four-wheel vehicles may access monitoring well locations at all times.
23. A log 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.

24. 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.
25. 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 establish and record an average weight of waste per truck load, once the average weight is established the Facility shall maintain a record of truck loads received.
26. 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.
 - c. A measurement of volume utilized in the landfill cells must be performed once during the calendar year. The date and volumes, in cubic yards, must be included in the report.
 - d. The amount of waste, in tons from records, disposed in landfill cells from December 14, 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 Environmental Senior 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.
27. 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).
28. Closure or partial closure of any landfill unit must be in accordance with the Closure Plans described in the approved plans. Final Closure Plans must be submitted to the Division at least 90 days prior to implementation.

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 4
CONDITIONS OF PERMIT FOR CLOSURE

PART I: GENERAL FACILITY

Not Applicable

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)

9401-INDUS-2008 Domtar Paper Company Landfill 3

1. Landfill No. 3 – Phases 1A and 1B have been constructed and closed according to the approved plan. Post-closure maintenance and monitoring of the landfill unit must be conducted in accordance with the approved plans and the N.C. Solid Waste Management Rules.
2. The permittee must maintain the integrity and effectiveness of the cap system, including 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. In addition, a vegetative cover of native grasses must be maintained and mowed regularly.
3. Post-closure use of the property is subject to review and approval by the Division and must not disturb the integrity of the cap system, or the function of the monitoring systems. The Division may approve any other disturbance if the owner or operator demonstrates that disturbance of the cap system, including any removal of waste, will not increase the potential threat to human health or the environment.
4. 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.

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 Conditions -