

NORTH CAROLINA DIVISION OF AIR QUALITY Air Permit Review - Renewal		Region: Fayetteville Regional Office County: Sampson NC Facility ID: 8200135 Inspector's Name: Mitch Revels Date of Last Inspection: 04/21/2011 Compliance Code: 3 / Compliance - inspection	
Permit Issue Date: June CC, 2011		Facility Data	
Applicant (Facility's Name): Sampson County Landfill Facility Address: Sampson County Landfill 7434 Roseboro Highway Roseboro, NC 28382 SIC: 4953 / Refuse Systems NAICS: 562212 / Solid Waste Landfill Facility Classification: Before: Title V After: Title V Fee Classification: Before: Title V After: Title V		Permit Applicability (this application only) SIP: 15A NCAC 2Q .0513 NSPS: N/A NESHAP: N/A PSD: N/A PSD Avoidance: N/A NC Toxics: N/A 112(r): N/A Other: N/A	
Consultant: Richardson Smith Gardner & Assoc., Inc. Contact: Cybele Brockman Phone: 919-828-0577 email: cybele@rsgengineers.com			
Contact Data		Application Data	
Facility Contact	Authorized Contact	Technical Contact	Application Number: 8200135.10A Date Received: 02/10/2010 Application Type: Renewal Application Schedule: TV-Renewal
Bryan Wuester Landfill Manager (910) 525-4132 P.O. Box 640 Roseboro, NC 28382	Mr. Edwin Causey County Manager (910) 592-6308 406 Rowan Road Clinton, NC 28328 ecausey@sampsonnc.com	Bryan Wuester Landfill Manager (910) 525-4132 P.O. Box 640 Roseboro, NC 28382 Bryan.wuester@wasteindustries.com	Existing Permit Data Existing Permit Number: 08644T04 Existing Permit Issue Date: 07/17/2006 Existing Permit Expiration Date: 11/30/2010
Review Engineer: Booker Pullen Regional Engineer: Mitch Revels Review Engineer's Signature:		Begin Date: May 2, 2011	Comments / Recommendations: Issue: 08644T05 Permit Issue Date: June XX, 2011 Permit Expiration Date: May 31, 2016

I. Description/Introduction:

The Sampson County Landfill is located at 7434 Roseboro Highway, in Roseboro North Carolina. This landfill is owned by Sampson County but is operated by Waste Industries. This landfill used to collect household, commercial, and industrial waste. This facility is currently closed and does not accept any new waste.

The consulting firm Richardson Smith Gardner and Associates submitted the information for this application on behalf of the Sampson County Landfill. Application number 8200135.10A was received by the Fayetteville Regional Office on February 9, 2010 and considered complete on that date. The application was sent to the Raleigh Central Office Division of Air Quality on February 19, 2010. This application will be processed as a renewal and will be sent through both the 30-day public and the 45-day EPA review at this time.

II. Purpose of application:

The purpose of application No. 8200135.10A, received from the Fayetteville Regional office on February 19, 2011 is for the renewal of a Title V permit in accordance with 15A NCAC 2Q .0513.

III. Statement of Compliance:

On the latest inspection of this facility, April 21, 2011 by Mr. Mitch Revels of the Fayetteville Regional Office, the facility appeared to be in compliance with all applicable regulations.

IV. Table of changes to existing permit No. 08644T04, per renewal application 8200135.10A:

Cover Letter of Permit			
Old Page No.	New Page No.	Condition No.	Changes
Page 1	Page 1	Cover letter	Changed date, revised permit number, changed name of County Manager, added “renewal” to first paragraph, added most current cover letter
Page 2	Page 2	Cover letter	Changed date on letter, changed responsible official, effective date of permit, changed name of permitting chief to Don van der Vaart
Page 3	Page 3	Cover letter	Revised “table of changes to the permit” per this application, changed application number.
Body of Permit			
Page 1	Page 1	Cover page	Changed: Permit No., “Replaces Permit No.”, effective date of permit, application No., permit issue date
All pages	All pages	Top of pages	Changed permit revision number
Page 3	Page 3	Permitted Emissions Sources	Removed the “Part I” heading and the two subsequent paragraphs under the heading, removed odor control flares from the permit
N/A	Pages 4 - 16	Specific Limitations and Conditions	Updated the permit with the most current regulatory language for landfills
Pages 10 - 18	Pages 17 - 29	General Conditions	Added the most current version of the General Conditions (revision 3.4)

V. Summary of Emission Sources and Control Devices

This table identifies all emission sources and associated control devices for which this Title V Operating Permit is being issued

Emission Source ID No.	Emission Source Description	Control Device ID No.	Control Device Description
ES-1 NSPS Subpart WWW MACT Subpart AAAAA	One municipal solid waste landfill including: One lined section (closed). This section is comprised of approximately 35 acres of land with approximately 25 extraction wells.	GCCS1 & CD-1	Landfill gas collection and control system with one utility flare (32.5 million Btu per hour heat input rate, approximately 1080 scfm maximum flow rate @ 500 Btu/scf landfill gas)
	Two unlined section (Area A – closed) and (20 acre area – closed)	GCCS2 & CD-2	Landfill gas collection and control system with one utility flare (4.8 million Btu per hour heat input rate, approximately 160 maximum flow rate @ 500 Btu/scf landfill gas)

VI. Emission Source-by-Source Evaluation

- A. Municipal solid waste landfill (ID No. ES-1) with associated gas collection & control system (CD-GCCS1) including one utility flare (32.5 million Btu per hour heat input capacity, CD-1) and gas collection & control system (CD-GCCS2) including one utility flare (4.8 million Btu per hour heat input capacity, CD-2).
1. 15A NCAC 2D .0524: New Source Performance Standards (Subpart WWW)
 2. 15A NCAC 2D .0516: Sulfur Dioxide Emissions
 3. 15A NCAC 2D .0521: Control of Visible Emissions
 4. 15A NCAC 2D .1100: Control of Toxic Air Pollutants
 5. 15A NCAC 2D .1111: Maximum Achievable Control Technology
 6. 15A NCAC 2D .1806: Control and Prohibition of Odorous Emissions
 7. 15A NCAC 2Q .0705: Existing Facility and SIC Calls
 8. 15A NCAC 2Q .0711: Toxic Emission Rates Requiring a Permit

No regulatory review is required for the regulations listed above because there are no changes to these sources since the permit last went through public notice. Compliance Assurance Monitoring (CAM) does not apply because these sources are regulated by both an NSPS and MACT that were promulgated after 1990 and control the pollutants that would be subject to CAM.

- B. Since the last permit modification and/or renewal for this facility, the regulatory language included in Title V permits was revised to include more of the NSPS requirements into the body of the permit. This new revised language will be placed into this permit along with the revised General Conditions.
- VII. A Professional Engineers Seal is not required for this renewal application because there are no new sources being added.
- VIII. A zoning consistency determination is not required for this renewal application. .
- IX. An application fee is not required for this renewal application.
- X. The appropriate number of copies of the application was received by the DAQ on February 9, 2010.
- XI. The application was signed by the Interim County Manager for Sampson County.
- XII. PSD does not apply for this renewal.
- XIII. Public Notice
A thirty-day public notice and forty-five day EPA review period is required.
- Public notice: The 30 day public notice period was from **May _____2011 through June ____2011**. No public comments were received for this permit application.
- EPA 45-Day review Period: The DAQ sent copies of the appropriate information to the USEPA on ____2011. The EPA 45-day review period was from **_____2011 through _____2011**. **The USEPA did not have any adverse comments on the renewal permit for this facility.**
- XIV. This facility is not subject to 15A NCAC 2Q .0508(g) "Prevention of Accidental Releases" because it does not store any of the listed 112(r) chemicals in quantities above the thresholds.
- XV. Ozone Nonattainment:
Sampson is not currently designated as nonattainment for the eight-hour ozone standard. Nonattainment does not apply for this renewal application.
- XVI. Recommendations:
This application renewal for the Samson County Landfill, located at 7434 Roseboro Highway, in Roseboro, North Carolina, has been reviewed by the DAQ to determine compliance with all procedures and requirements. The Fayetteville Regional Office made comments on the draft permit. The DAQ has determined that this facility is complying or will achieve compliance as specified in the permit with all applicable requirements. The Fayetteville Regional Office concurs.

Issue permit No. 08644T05.