

NORTH CAROLINA DIVISION OF AIR QUALITY			Region: Fayetteville Regional Office County: Montgomery NC Facility ID: 6200052 Inspector's Name: Mitch Revels Date of Last Inspection: 09/29/2009 Compliance Code: 3 / Compliance - inspection
Air Permit Review- Renewal			
Permit Issue Date: XXXX, 2010			
Facility Data			Permit Applicability (this application only)
Applicant (Facility's Name): Uwharrie Regional Landfill Facility Address: Uwharrie Regional Landfill 500 Landfill Road Mt. Gilead, NC 27306 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			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
Contact Data			Application Data
Facility Contact	Authorized Contact	Technical Contact	Application Number: 6200052.09A Date Received: 07/30/2009 Application Type: Renewal Application Schedule: TV-Renewal Existing Permit Data Existing Permit Number: 08826/T05 Existing Permit Issue Date: 03/10/2006 Existing Permit Expiration Date: 04/30/2010
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Consultant: Carlson Environmental Consultants, LLC Email: carlsonenv@gmail.com			Contact: Kristofer Carlson Phone: (704) 506-7312
Review Engineer: Booker Pullen Regional Engineer: Mitch Revels Review Engineer's Signature:		Begin Date: May 25, 2010	Comments / Recommendations: Issue: 08826T06 Permit Issue Date: XXXX, 2010 Permit Expiration Date: XXXX, 2015

I. Introduction:

The Uwharrie Regional Landfill, located in Mt. Gilead, Montgomery County, North Carolina is owned and operated by the Republic Services of North Carolina, LLC. This application (6200052.09A) was received on July 30, 2009 by the Division of Air Quality Raleigh Central Office and was considered complete for processing on that date. The consultant group Carlson Environmental Consultants, PC (Kristofer Carlson) prepared the application for this facility.

II. Description:

The Uwharrie Regional Landfill is located about four miles south of Troy, North Carolina on SR NC1137 in Montgomery County. It has a design capacity of municipal solid waste in excess of 2.5 million megagrams and 2.5 million cubic meters. Two distinct refuse areas exist on the site: an unlined (pre-Subtitle D) landfill area and a lined landfill area. The unlined landfill is known as the Montgomery County Landfill and was closed in December 1995. The lined landfill opened in January 1996 and currently serves as the active area. Both the lined and the unlined landfills have a landfill gas collection system. All of the gas from both of the collection systems is routed to one centrally located open type flare (CD-01, 3000 scfm maximum flow rate). The facility also includes one backup flare (CD-Backup, 3000 scfm maximum flow rate).

III. Purpose of application: The purpose of application No. 6200052.09A, received by the Division of Air Quality (DAQ) Raleigh Central Office on July 30, 2009, is for the renewal of a Title V permit in accordance with 15A NCAC 2Q .0513.

IV. Statement of Compliance:

On the latest inspection of this facility, September 29, 2009 by Mr. Mitch Revels of the Fayetteville Regional Office, the facility appeared to be in compliance with all applicable regulations.

V. Table of changes to existing permit No. 08826T05, per renewal application 6200052.09A:

Cover Letter of Permit			
Old Page No.	New Page No.	Condition No.	Changes
Page 1	Page 1	Cover letter	Changed date, revised permit number, added most up to date cover letter, added "renewal" to first paragraph, changed name of responsible official
Page 2	Page 2	Cover letter	Changed date on letter, changed responsible official effective date of permit
Page 3	Page 3	Cover letter	Revised "table of changes to the permit" per this application
Body of Permit			
Page 1	Page 1	Cover page	Changed: Permit No., "Replaces Permit No.", effective date of permit, application No., permit issue date
Page 2	Page 2	Table of Contents	Removed "Part II" Section designation, changed Section 2.2 description to "Multiple Emissions"
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, revised the table to include the Treatment system as a control device
Page 3	Pages 3	Specific Limitations and Conditions	Revised the table for regulation 15A NCAC 2D .0524
N/A	Pages 4 - 12	Specific Limitations and Conditions	Updated the permit with the most current regulatory language for landfills
Pages 9-20	Pages 13 - 22	General Conditions	Added the most current version of the General Conditions

VI. 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-01 NSPS Subpart WWW MACT Subpart AAAA	Municipal solid waste landfill {including Subtitle D (lined section), 20 acre Area (unlined section) and Area A}	GCCS1 and GCCS2	Two landfill gas collection systems
		CD-01	One landfill-fired candlestick-type flare (3000 scfm maximum flow rate, 90 million Btu per hour heat input capacity),
		CD-Backup	One landfill-fired candlestick-type flare (3000 scfm maximum flow rate, 90 million Btu per hour heat input capacity),

VII. Emission Source-by-Source Evaluation

A. Municipal solid waste landfill (ID No. ES-01) with two associated gas collection systems (GCCS1 and GCCS2) including two candle stick-type flares (90.0 million Btu per hour heat input capacity each and 3000 scfm maximum flow rate each, CD-01 and CD-Backup, respectively)

1. 15A NCAC 2D .0524: New Source Performance Standards (Subpart WWW)
2. 15A NCAC 2D .1100: Control of Toxic Air Pollutants
3. 15A NCAC 2D .1111: Maximum Achievable Control Technology
4. 15A NCAC 2D .1806: Control and Prohibition of Odorous Emissions
5. 15A NCAC 2Q .0705: Existing Facility and SIC Calls

* Removed regulation 15A NCAC 2D .0516 and 2D .0521 from the permit for the control devices (flares) per current guidance.

No regulatory review is required for the regulations listed above since there are no significant 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 the CAM.

- B.** Since the last permit modification and/or renewal for this facility, the regulatory language included in Title V permits was revised to place 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.
- C.** In accordance with 40 CFR 60.753(c), Uwharrie requested that the temperature at specific wells operate at a higher temperature the 55 °C. Based on supporting information presented by Uwharrie Regional Landfill, the NC DENR Division of Air Quality, Fayetteville Regional Office approves (12/30/2009) the increased operation temperature value of 155 °F (68.33 °C) for wells UWHEW029, UWHEW036, UWHEW048, and UWHEW050. This information will be placed into the body of the permit.

VIII. A Professional Engineers Seal **is not** required for this renewal application because there are no new sources being added.

IX. A zoning consistency determination **is not** required for this renewal application. .

X. An application fee **is not** required for this renewal application.

XI. The appropriate number of copies of the application was received by the DAQ on July 30, 2009.

XII. **PSD does not apply** for this renewal.

XIII. Public Notice

A thirty-day public notice and EPA review period **is required**.

Public notice: The 30 day public notice period was from _____ through _____. ___ 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 June 16, 2009. The EPA 45-day review period was from _____ through _____. The USEPA did not have any 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:

Montgomery County is not currently designated as nonattainment for the eight-hour ozone standard. Nonattainment does not apply.

XVII. Recommendations:

This application renewal for the Uwharrie Regional Landfill, located at 500 Landfill Road in Mt Gilead, 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. 08826T06.