

NORTH CAROLINA DIVISION OF AIR QUALITY			Region: Raleigh Regional Office		
Air Permit Review – Renewal			County: Wake		
Permit Issue Date:			NC Facility ID: 9200603		
			Inspector's Name: Steven Carr		
			Date of Last Inspection: 09/03/2009		
			Compliance Code: 3 / Compliance - inspection		
Facility Data			Permit Applicability (this application only)		
Applicant (Facility's Name): City of Raleigh - Wilders Grove Landfill			SIP: 15A NCAC 2Q .0513		
Facility Address: City of Raleigh - Wilders Grove Landfill 4120 New Bern Avenue Raleigh, NC 27602			NSPS: N/A		
SIC: 4953 / Refuse Systems			NESHAP: N/A		
NAICS: 562212 / Solid Waste Landfill			PSD: N/A		
Facility Classification: Before: Title V After: Title V			PSD Avoidance: N/A		
Fee Classification: Before: Title V After: Title V			NC Toxics: N/A		
			112(r): N/A		
			Other: N/A		
Contact Data			Application Data		
Facility Contact	Authorized Contact	Technical Contact	Application Number: 9200603.09A		
Frederick Battle Solid Waste Director 400 West Peace Street Raleigh, NC 27602 (919) 996-6867	J. Russell Allen City Manager, City of Raleigh 222 West Hargett Street Raleigh, NC 27602 919-996-3070	Frederick Battle Solid Waste Director 400 West Peace Street Raleigh, NC 27602 (919) 996-6867	Date Received: 12/17/2009		
Frederic.Battle@raleighnc.gov	Russel.Allen@raleighnc.gov	Frederic.Battle@raleighnc.gov	Application Type: Renewal		
			Application Schedule: TV-Renewal		
			Existing Permit Data		
			Existing Permit Number: 08835T02		
			Existing Permit Issue Date: 11/30/2005		
			Existing Permit Expiration Date: 09/30/2010		
Consultant: Hazen and Sawyer, P.C.		Contact: John Bove', P.E.	Phone: (919) 833-7152		
Email: jbove@hazenandsawyer.com					
Review Engineer: Booker Pullen		Comments / Recommendations:			
Regional Engineer: Dena Pittman		Issue: 08835T03			
Review Engineer's Signature:		Permit Issue Date: XXXXX, CC, 2010			
Date: May 24, 2010		Permit Expiration Date: XXXX, XCX, 2015			

I. Introduction:

The City of Raleigh Wilders Grove Landfill is located at 4120 New Bern Avenue, in Raleigh, Wake County, North Carolina. This facility is owned and operated by the City of Raleigh. This application (9200603.09A) was received on December 17, 2009 by the Division of Air Quality Raleigh Central Office and was considered complete for processing on that date. The consultant group Hazen and Sawyer, PC (John A. Bove, P.E.) prepared the application.

II. Description:

The Wilders Grove landfill was closed to waste disposal on December 31, 1997 due to implementation of State regulations for unlined landfills. The City constructed the final cover over the active portions of the landfill between 1998 and 2000. This landfill was used to collect household, commercial, and industrial wastes from the Raleigh-Wake County Metropolitan area. This facility participates in a waste-to-energy project with a nearby facility named Ajinomoto, Incorporated, in which landfill gas is burned as fuel in two boilers. The excess landfill gas generated by this site that is not sent to Ajinomoto, is burned in an onsite flare.

III. Purpose of application: The purpose of application No. 9200603.09A, received by the Division of Air Quality (DAQ) Raleigh Central Office on December 17, 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 3, 2009 by Mr. Steven Carr of the Raleigh Regional Office, the facility appeared to be in compliance with all applicable regulations.

V. Table of changes to existing permit No. 08835T02, per renewal application 9200603.09A:

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
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 8	Pages 3 and 4	Specific Limitations and Conditions	Revised the table
N/A	Pages 4 - 12	Specific Limitations and Conditions	Updated the permit with the most current regulatory language for landfills
Pages 10 - 18	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-001 NSPS Subpart WWW MACT Subpart AAAA	Municipal solid waste landfill	CD-GCCS1	One landfill gas collection and control system
		CD-LFG-S4	One landfill-fired candlestick-type flare (99.0 million Btu per hour heat input capacity),
		CD-Treatment	One gas treatment system
		Boiler (ID No. F-6102) *	One landfill gas/natural gas/No. 6 fuel oil-fired boiler (33.5 million Btu per hour heat input capacity),
		Boiler (ID No. F-6103) *	One landfill gas/natural gas-fired boiler (28.65 million Btu per hour heat input capacity)

* These boilers (ID Nos. F-6102 and F-6103) are physically located on the adjacent property of Ajinomoto USA, Inc., and are included in Air permit No. 04434.

VII. Emission Source-by-Source Evaluation

A. Municipal solid waste landfill (ID No. ES-001) with associated gas collection & control system (CD-GCCS1) including one candle stick-type flare (99.0 million Btu per hour heat input capacity, LFG-S4), two offsite boilers 33.5 & 28.65 million Btu per hour heat input capacity, F-6102 and F-6103), respectively), and one gas treatment system (CD-Treatment)

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 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.

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 April 22, 2008.

XII. The initial application for this facility was signed by the Director of the Department of Solid Waste Services, for the City of Raleigh. The Solid Waste Director does not meet the definition of an "authorized official" as defined by 15A NCAC 2Q .0304(j) for a facility owned by a municipality. A certified letter dated January 19, 2009 was mailed to the facility requesting the signature of an appropriate responsible official. Compliance was met with the aforementioned regulation on January 25, 2010.

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

XIV. 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.

XV. 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.

XVI. Ozone Nonattainment:

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

XVII. Recommendations:

This application renewal for the City of Raleigh Wilders Grove Landfill, located at 4120 New Bern Avenue, Raleigh, North Carolina, has been reviewed by the DAQ to determine compliance with all procedures and requirements. The Raleigh Regional Office made comments on the initial application, and 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 Raleigh Regional Office concurs.

Issue permit No. 08835T03.