TECHNICAL EVALUATION
&
PRELIMINARY DETERMINATION

APPLICANT

C.R. 466A Landfill Facility, LLC
P.O. Box 490697
Leesburg, FL 34749-0697

Facility ID No. 1190036

PROJECT

Project No. 1190036-005-AC
Application for Minor Air Construction Permit
Project Name: Construction Permit For Re-locatable Crushing System

COUNTY

Sumter, Florida

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Air Resource Management
Southwest District Office
Temple Terrace, Florida 33637-7600

July 13, 2011

Prepared by Jim McDonald

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

GENERAL PROJECT INFORMATION

Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

I. Project Description:

A. Applicant: Mr. Howard H. Hewitt, Managing Member
C.R. 466A Landfill Facility, LLC
P.O. Box 490697
Leesburg, FL 34749-0697

B. Professional Engineer: Mr. Steven C. Cullen, P.E.
Koogler & Associates, Inc.
4014 NW 13th Street
Gainesville, FL 32609

C. Project Location: 8979 C.R. 466A, Wildwood, Sumter County

D. Project Summary: Construction permit for a re-locatable non-metallic mineral crushing system to be used periodically at the existing C.R. 466A Landfill Facility, LLC. The construction and demolition debris landfill facility has a permitted air curtain incinerator and the project is further described in the permit.

E. Application Information:

Application Received on: July 5, 2011
Additional Information Requested on: N/A
Additional Information Received on: July 12, 2011 and July 18, 2011
Application Complete: July 18, 2011

II. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-204 through 62-297, Florida Administrative Code (F.A.C.), as indicated below.

Subject to:	Y/N	Comments
Rule 62-210.300, F.A.C. - Project Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C.	Y	Not exempt from general permitting requirements
Rule 62-212.400, F.A.C. - Prevention of Significant Deterioration	N	facility is not a PSD major source
Rule 62-296.320(4), F.A.C. - General Particulate Emission Limiting Standards	Y	crushing operations are a source of unconfined particulate matter emissions
Rules 62-296.320(1) and (2), F.A.C. - General Pollutant Emission Limiting Standards (VOCs and Odor)	N	crushing operations are not expected to be a source of VOC and odors
Rule 62-296.400, F.A.C. - Stationary Source Emission Standards	N	there is no applicable source category
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	Sumter County is not an air quality maintenance area for ozone
Rule 62-296.700, F.A.C. - Reasonably Available Control Technology (PM)	N	PM RACT rule is not applicable in Sumter County
Rule 62-204.800, F.A.C. - Standards of Performance for New Stationary Sources (NSPS)	Y	crushing operations are subject to the requirements of 40 CFR 60, Subpart OOO - Standards of

Subject to:	Y/N	Comments
		Performance for Nonmetallic Mineral Processing Plants. Exempt engine(s) may be subject to 40 CFR 60 – Subpart IIII or 40 CFR 60 – Subpart JJJJ
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants (NESHAPS – 40 CFR 61)	N	there is no applicable source category
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS – 40 CFR 63)	Y	exempt engine(s) may be subject to 40 CFR 63, Subpart ZZZZ
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution	N	facility is a natural non-Title V source
Rule 62-297.310, F.A.C. - General Compliance Test Requirements, F.A.C.	Y	VE testing is required for EU No. 002

III. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions		Allowable Emissions		
		lbs/hr.	tpy	lbs/hr.	tpy	opacity
PM	001 – Air Curtain Incinerator	2.80	3.5	n/a	n/a	
	002 – Crushing System	1.44	1.8	n/a	n/a	
	Exempt engines, powerscreen, clay separator/stacking conveyor	n/a	3.4	n/a	n/a	
	Total	n/a	8.7	n/a	n/a	
VOC	Exempt engines	n/a	1.6	n/a	n/a	
	Total	n/a	1.6	n/a	n/a	
NOx	Exempt engines	n/a	20.0	n/a	n/a	
	Total	n/a	20.0	n/a	n/a	
SO2	Exempt engines	n/a	1.3	n/a	n/a	
	Total	n/a	1.3	n/a	n/a	
CO	Exempt engines	n/a	4.3	n/a	n/a	
	Total	n/a	4.3	n/a	n/a	
VE	001 – Air Curtain Incinerator					10/35
	002 – Crushing System					7, 10, 12, 15, <20

NOTE: Emissions for the exempt four (4) engines were conservatively calculated based on the maximum allowable collective fuel usage of 64,000 gallons/yr. per Rule 62-210.300(3)(a)35., F.A.C., since actual fuel usage is expected to be well below 64,000 gallons/yr.

IV. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204 through 297, F.A.C.

V. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection Air Resource Management, Southwest District 13051 North Telecom Parkway, Temple Terrace, Florida 33637-7600.

Pursuant to Section 403.087, Florida Statutes and Section 62-4.070, Florida Administrative Code, the Department hereby gives notice of its intent to issue a permit to construct the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).