April 6, 2012

CERTIFIED MAIL NO. 7003 1010 0002 0222 9933
RETURN RECEIPT REQUESTED

PERMITTEE

McKenzie Environmental Management Company, LLC.
8470 NW 68 Street – Lot B
Miami, FL 33166

Authorized Representative:
Mr. Alexander McKenzie, President

Air Permit No. 0251350-001-AC
Permit Expires: April 5, 2013

McKenzie Environmental
Management Company, LLC.
Minor Source Air Construction Permit
Project: Installation of a Thermal Oil
Filter Processor

This is the final air construction permit No. 0251350-001-AC, which authorizes the installation of a thermal oil filter processor (heat cleaning oven). The proposed work will be conducted at the McKenzie Environmental Management Company, LLC. a facility that recycles used oil filters. [Standard Industrial Classification (SIC) Code No. 5093; NAICS Code Number 423930]. The facility is located in Miami-Dade County at 8470 NW 68 Street – Lot B, Miami. The Lat./Long. coordinates are 25° 50’ 7.3” N / 80° 20' 5.7" W.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal.

The notice must be filed within 30 days after this order is filed with the clerk of the Miami-Dade County Permitting, Environment and Regulatory Affairs (PERA) – Environmental Services, Air Quality Management Division.

Executed in Miami, Florida

_____ _____

H. Patrick Wong, Chief (Date)
Air Quality Management Division

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit) was sent by certified U.S. mail and/or electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on _____ to the persons listed below.

Mr. Alexander McKenzie, President, McKenzie Environmental Management Company, LLC. 8470 NW 68 Street – Lot B, Miami, FL 33166 [rxx7arm@gmail.com]

Prakash S. Lodha, P.E., 18161 NW 16 Street, Hollywood, FL 33029 [prakashl@allieduniversal.com]

Syed Arif, P.E., Florida Department of Environmental Protection, Minerals & Metals Permitting Group Administrator [Syed.Arif@dep.state.fl.us]

Lennon Anderson, P.E., Florida Department of Environmental Protection, Southeast District Office [Lennon.Anderson@dep.state.fl.us]

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

_____ _____

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Proposed Project

The applicant applied for an Air Construction Permit for the installation of a Thermal Oil Filter Processor. This project will add the following emissions units:

Facility ID No. 0251350	
ID No.	**Emission Unit Description**
001	**One (1) Thermal Oil Filter Processor with Oil Heater & Oil Filter Baler**

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a Natural Non-Title V minor source.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Miami-Dade County Permitting, Environment and Regulatory Affairs (PERA) – Environmental Services, Air Quality Management Division. The PERA's mailing address is: 701 NW 1 Court, Suite 400, Miami, Florida 33136. The PERA's telephone number is 305/372-6925.
   All documents related to applications for permits to operate an emissions unit shall be submitted to the PERA Air Quality Management Division.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the PERA Air Quality Management Division. The mailing address of the PERA Air Quality Management Division is: 701 NW 1 Court, Suite 400, Miami, Florida 33136. The PERA's telephone number is 305/372-6925.

3. Appendices: The following Appendices are attached as part of this permit:
   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions;
   d. Appendix D. Common Testing Requirements. (if applicable)

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, 62-297, F.A.C. and Chapter 24, Code of Miami Dade County. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the PERA or Florida Department of Environmental Protection (FDEP) may require the permittee to conform to new or additional conditions. The PERA or FDEP shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the PERA or FDEP may grant additional time.
   [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the PERA upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the PERA. Such permit shall be obtained prior to beginning construction or modification.
   [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Source Obligation:
   (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
   (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation)

solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
[Rule 62-212.400(12), F.A.C.]

8. Application for Air Operation Permit: This permit authorizes construction and/or installation of the permitted emission unit(s) and initial operation to determine compliance with the FDEP and the PERA rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall apply for and receive an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Miami-Dade County, Department of Permitting, Environment and Regulatory Affairs (PERA) – Environmental Services, Air Quality Management Division. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in triplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions on the construction permit, compliance test results, and such additional information as the DERM may by law require.
[Rule 62-4.030, 62-4.050, 62-4.220, and 62-210.300 F.A.C.]

9. Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Miami-Dade County, Department of Permitting, Environment and Regulatory Affairs (PERA) – Environmental Services, Air Quality Management Division **at least 60 days prior** to the expiration date of this permit.
[Rule 62-4.030, 62-4.050, 62-4.070(3), and 62-4.220 F.A.C.]

11. Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.

This section of the permit addresses the following emissions units.

Emissions Unit Number	Emissions Unit Description
001	**<u>One (1) Thermal Oil Filter Processor with Oil Heater & Oil Filter Baler</u>** **Thermal Oil Filter Processor** Manufacturer: McRae Combustion Systems Model No. M100B Fuel: Used Oil Capacity: 10,000 lb load/day based on 20 hr process cycle Primary chamber equipped with a 1.5 mmbtu/hr ignition burner Secondary chamber equipped with a 3.0 mmbtu/hr burner **Oil Heater** Manufacturer: Glo-Quartz Model No. SPSA/SCH-25C18-E2T1B Electricity: 7 amp @ 208-3 phase power supply Thermal Range: 30 – 200 degrees Fahrenheit **One (1) Electric Oil Filter Baler** Manufacturer: Oberg Model No. SB300 Main Ram Force: 170,000 lbs

EQUIPMENT

1. <u>Equipment Name</u>: The permittee is authorized to recycle used oil filters using the equipment listed above. [Application No. 0251350-001-AC]

PERFORMANCE RESTRICTIONS AND EMISSIONS STANDARDS

2. <u>Visible Emissions from Thermal Oil Filter Processor</u>: Visible emissions from the thermal oil processor shall not exceed five percent (5%) opacity except that visible emissions not exceeding fifteen (15%) percent opacity are allowed for up to six (6) minutes in any one (1) hour period.
   [Rule 62-296.401(1)(a) F.A.C.]

3. <u>Thermal Oil Filter Processor Charge Rate</u>: The charging rate for the thermal oil filter processor shall not equal or exceed fifty (50) tons per day.
   [Rule 62-296.401(1) F.A.C.]

4. <u>Sulfur Dioxide Emissions</u>: Emission of sulfur dioxide from this facility shall not exceed 1.1 pounds per million BTU per hour of heat input.
   [Code of Miami Dade County Chapter 24-41.3(2)(a)(ii)1]

5. Used Oil Specifications: This permit allows the burning of used oil fuel meeting EPA "on-specification" used oil specifications, with a maximum sulfur content of 1 percent by weight, and a PCB concentration of less than 50 ppm. Used oil that does not meet the specifications for on-specification used oil shall not be burned at this facility. On-specification used oil shall meet the following specifications:

Constituent/Property	Allowable Concentration
Arsenic	5 ppm maximum
Cadmium	2 ppm maximum
Chromium	10 ppm maximum
Lead	100 ppm maximum
Flash Point	100^0F minimum
Total Halogens	1000 ppm maximum

[40 CFR 279.11, and Rule 62-4.070(3) F.A.C.]

6. Used Oil Certification from Supplier: The permittee shall obtain records of certification from the supplier to document that each batch of used oil received meets the specifications listed in Specific Condition No. 5. If the permittee does not receive certification from the supplier for any batch, the permittee shall either, reject the batch or sample and analyze that batch of used oil to ensure that the used oil met the specifications listed in Specific Condition No. 5. The used oil shall be analyzed for the following parameters: Arsenic, cadmium, chromium, lead, total halogens, flash point, and percent sulfur content by weight, ash, and BTU value (BTU per gallon).
[Rule 62-4.070(3) F.A.C.]

7. Used Oil Generated On-Site: The permittee shall test each batch of used oil generated on-site to ensure that it meets the used oil on-specification criteria in Specific Condition No. 5. If the analytical results show that the used oil does not meet the specification for on-specification used oil, the permittee shall not use the oil as a fuel.
[Rule 62-4.070(3) F.A.C.]

8. Used Oil Testing Methods: Testing (sampling, extraction and analysis) shall be performed using approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods), latest edition.
[Rule 62-4.070(3) F.A.C.]

9. Hours of Operation: The referenced emission units(s) may operate 24 hours/day, 7 days/week for 52 weeks/year resulting in 8,760 hours in any consecutive 12-month period.
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

MONITORING REQUIREMENTS, RECORDS AND REPORTS

10. Thermal Oil Filter Processor Charging Rate: The permittee shall maintain a log to document the daily charging rate of the thermal oil filter processor.
[Rule 62-4.070(3) F.A.C.]

11. Used Oil Usage: The permittee shall maintain a log to document the consecutive 12-month used oil consumption.
    [Rule 62-4.070(3), F.A.C.]

12. Used Oil Certification: The permittee shall maintain records of certification from the supplier to document that each batch of used oil received meets the used oil specification specified in Specific Condition No. 5.
    [Rule 62-4.070(3) F.A.C.]

13. Used Oil Generated On-Site: The permittee shall maintain records of the following:
    1) Dates used oil sampling, analytical results for each batch, and an indication whether or not the batch met the specification for on-specification used oil.
    2) If the analytical results show that the used oil did not meet the specification for on-specification used oil, or that it contained a PCB concentration of 50 ppm or greater, indicate the proposed means of disposal of the used oil.

    [Rule 62-4.070(3) F.A.C.]

14. Test Methods, Procedures and Reporting Requirements for the Thermal Oil Filter Processor: The owner or operator shall test for visible emissions using EPA Method 9, as described at 40 CFR, Part 60, Appendix A, adopted and incorporated by reference at Rule 62-204.800, F.A.C. Test procedures shall conform to the procedures and reporting requirements specified in Rule 62-297.310, F.A.C.
    [Rule 62-296.401(1)(b) F.A.C.]

15. Frequency of Testing: The owner or operator of the thermal oil filter processor shall have a performance test conducted for visible emissions prior to submitting the application for an initial air operation permit, and annually thereafter.
    [Rule 62-296.401(1)(c) F.A.C.]

16. Supporting Documentation: The permittee shall maintain supporting documentation, such as Material Safety Data Sheets, purchase orders, usage and disposal records, etc., and shall include sufficient information to determine compliance. The log and documents shall be kept at the facility and made available for PERA inspection for a minimum of three (3) years from the date of such records. Monthly logs shall be completed within 10 calendar days after completion of the preceding month.
    [Rule 62-4.070(3) F.A.C.]