



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

March 16, 2010

Michael Tucker
Metro Energy Corporation
3313 Bowers Store Road
Silk Hope NC 27344

Re: Proposed Waste Tire Treatment and Processing Application Comments
Metro Energy Corp.
Chatham County, North Carolina
Proposed/Application
Doc ID No. 10028

Dear Mr. Tucker:

The above referenced application will need to be revised to address the items below which were discussed with you during the meeting with you, Pam Moore and myself at the Division office Wednesday, February 10, 2010 at 9:00a. As discussed at that time, we determined that your permit application meet the administrative requirements. The comments listed below are a result of a technical review of your application [DIN10027]. The following comments must be addressed before the Division can take additional action regarding your application. The responses must be submitted as revisions to your application either as separate replacement pages or as an entire revised document.

1. Section 1.6: Neither the application nor your email response of February 16, 2010, identifies actual potential vendors for your proposed end products. The application and response lists general categories of material uses, but do not specifically list potential vendors or markets. Solid Waste Rule .1110(a) states that processing facilities must be permitted and operates in accordance with Rules .1106 and .1107. State Rule .1106(d)(7) requires the names, addresses and permit information, if applicable, of all facilities where tires will be recycled, processed or disposed.
2. Section 1.7: Please revise the expected date of operation.
3. Section 1.8: Please correct the location for the disposal of general waste from your proposed operations. Also, please indicate where reject whole scrap tires will be disposed. [Note Section 3.13 indicates that approximately 5% of the tires are expected to be 'trash/junk.']

4. Section 1.13: As discussed in the referenced meeting, Financial Assurance as required under NC General Statute 130A-295.2, which replaces Solid Waste Rule .1111, must address the potential clean-up of the maximum number of whole tires and amount of processed tires on site at any time. The application states that 4,500 tires maximum and 100 cubic yards of processed tires will be on site at any time. Based on the documented clean-up projects managed by the Division, the Financial Assurance estimates would be \$200 per ton unless you can document otherwise. Below is the calculation for Financial Assurance:

For Whole Tires:	4,500 whole tires/90 tires/ton x \$200/ton =	\$10,000
For Processed Tires:	100 cu yds x 0.4 tons/cu yd x \$200/ton =	\$8,000
Total for Financial Assurance:		\$18,000

Please note that if a permit were issued for the above quantities, that you would be prohibited from exceeding either quantity at any time.

5. Section 2.2: The application states that tires will not be stored within 50 feet of a property boundary, but the Schematic in Appendix A indicates the Sorting Area E, Drop Off Zone B and Shipping and Receiving D are located on the (apparent) northern property line. Also noted is that the Schematic shows 2 entrances and no exits.
6. Appendix A Schematic: Storage container L1 is earmarked for crumb rubber, but only a shredder (item O) is indicated on the schematic. Also, the application needs to address the origination and disposal for the wood chips indicated for container L4.
7. Please note that Solid Waste Rule .1106(c)(5) requires drainage to prevent standing water on-site. A 3-foot high berm is discussed in Section 2.5 and the Appendix A Schematic shows a 4 feet by 4 feet trench in front of the berm as a catch basin. Because no roofing is indicated, you will need to contact the NC Division of Water Quality Stormwater Permitting Unit to determine whether your site will need a Stormwater Permit.
8. If a permit is issued for the proposed operation, State Rule .0201(d) requires the permit be issued in 2 parts: A Permit to Construct and a Permit to Operate. Before a Permit to Operate would be issued, you would be required to demonstrate: (i) the conditions of the Permit To Construct were met; (ii) ownership or right-of-way to use the property as proposed; and (iii) compliance with other permitting agencies such as the NC Stormwater Program. If those demonstrations are then made and the Permit to Operate were issued, then you would need to comply with the financial assurance requirements prior to initiating operation at the site.

Thank you for your efforts and cooperation in this matter. If you have questions about the above comments or the permitting process, please contact me at 919.508.8498.

Sincerely,

Geoffrey H. Little
Environmental Engineer

c: Paul Crissman, DWM
Ed Mussler, DWM

Robert Hearn, DWM
Pam Moore, DWM