

Board of County Commissioners

Environmental Services Department  
Solid Waste Division

**Ana E. Wood**  
Solid Waste Director



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Winter Haven, FL 33880

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May 14, 2002

Ms. Cindy Phillips, P.E.  
FDEP Bureau of Air Regulation  
MS 5505  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

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MAY 15 2002

BUREAU OF AIR REGULATION

RE: 112(j) Notification Information  
Accordance with MACT "hammer" Date  
Determination of major source of hazardous air pollutants

Dear Ms. Phillips:

Please accept this letter on behalf of the Polk County North Central Landfill in response to the requirement for the 112(j) notification information addressing the evaluation of a facility as a major source of hazardous air pollutants (HAPs). An analysis of listed air pollutants for the facility was performed to determine if the source exceeded the limits for amounts of HAP generation. A major amount of HAPs is considered to be 10 tons per year for a single pollutant or 25 tons per year for a combination of HAPs. Using standard constituents and default concentration values for landfill gas (AP-42), and a gas emission value calculated using the Landfill Gas Emission Model, the tons per year for individual HAPs and other constituents was totaled. From this review, the facility **does not** exceed 10 tons per year for a single pollutant and produces less than 25 tons per year for a combination of HAPs for 2002. The following information is provided pursuant to the requirements for 112(j) notification:

- (1) Location:  
Polk County North Central Landfill  
7425 Highway 540  
Winter Haven, FL 33880

UTM Coordinates: Zone 17;  
Latitude: 28°00'40" North Longitude: 81°50'00"

**Description:**

Polk County North Central Landfill is a municipal solid waste landfill. The facility engages in landfill operations for Class I and Class III wastes. There is one active lined Class I area and one active Class III area. The design capacity of the landfill is approximately 16,534,500 tons.

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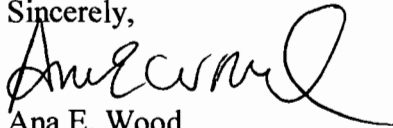
- (2) Type Source Category: Municipal Solid Waste (MSW) Landfill
- (3) The facility is an MSW landfill. The following emission units are listed in the Polk County North Central Landfill Title V Air Operation Permit (Permit No. 1050298-001-AV) as insignificant sources:
1. Above Ground Storage Tank
    - Tank No. 1 (stationary tank for Diesel fuel w/ 9,875 gallon capacity)
    - Tank No. 2 (mobile tank for Diesel fuel w/ 2,750 gallon capacity, used to fuel site equipment)
    - Tank No. 3 (stationary tank for Gasoline w/9,875 gallon capacity)
    - Tank No. 4 (stationary tank for Waste Oil w/600 gallon capacity)
    - Tank No. 5 (stationary tank for Motor Oil w/780 gallon capacity)
  2. Leachate Storage Tank
  3. Leachate Flare
  4. Household Hazardous Waste Collection/Processing Center
  5. Emergency Back-up Generator

The following is a list of the unregulated emissions units:

1. Stationary Diesel Fuel Engines
    - Two (2) Caterpillar 3408B 503 HP Diesel Engines (Tub Grinders)
    - One (1) Cummins 207 HP Diesel Engine (Back Up Generator)
    - One (1) Cummins 116 HP Diesel Engine (Compost Turner)
    - One (1) Kohler 12 HP Gasoline Engine (Air Compressor)
    - One (1) Honda 13 HP Gasoline Engine (Air Compressor)
  2. Roads and Earthmoving Operations
- (4) Based on this information, there are no affected sources listed in the Title V permit where a modification, physical change, or change in method of operation has resulted in a significant increase in HAPs emissions to require a 112(g) MACT determination.

If you have any questions please do hesitate to call.

Sincerely,



Ana E. Wood  
Solid Waste Director

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