



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET
ATLANTA, GEORGIA 30365

MAY 16 1984

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MAY 21 1984

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REF: 4AW-AM

Lloyd A. Sanders, Esq.
Palmer & Dodge
One Beacon Street
Boston, Massachusetts 02108

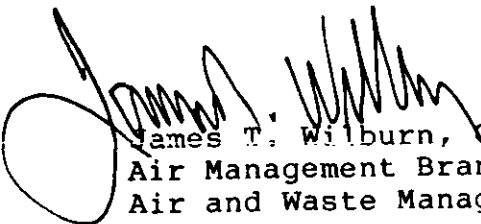
RE: PSD-FL-011-Pinellas County
Resource Recovery Facility

Dear Mr. Sanders:

In regard to your letter of May 8, 1984, and our subsequent telephone conversation of May 15, 1984, enclosed please find the information you requested. The information includes a copy of a letter notifying Pinellas County of their Authority to Construct a stationary source along with the associated permit conditions, and the Preliminary Determination prepared for that facility.

If I can be of any further assistance concerning this matter, please do not hesitate to contact me or Mr. Wayne J. Aronson of my staff at (404) 881-7654.

Sincerely yours,



James T. Wilburn, Chief
Air Management Branch
Air and Waste Management Division

Enclosures

cc: Clair Fancy, Deputy Chief
Bureau of Air Quality Management
Florida Department of Environmental Regulation

Dr. Rick Garrity, District Manager
State Department of Environmental Regulation
Southwest District Office
7601 Highway 301, North
Tampa, FL 33610-9544

Re: Stormwater Management

Dear Mr. Garrity:

As previously conveyed to the Department, the ultimate method of stormwater management at the Pinellas Refuse to Energy Facility will be to utilize water in the 20-acre site holding pond as cooling tower makeup at the plant. This project is now in the detailed design phase.

However, the system will not be constructed and operational in time for the upcoming rainy season. In the interim, Pinellas County will maintain a needed freeboard in the holding pond by intermittently pumping water to a 55-acre borrow pit called Pond B (see attached aerial). Pond B is wholly contained within County property, but is not within the certified power plant site. It has no outlet and does not discharge into any "waters of the State".

Currently, the water elevation in Pond B is very high. To be able to accommodate the pending rainy season water volumes, it will be necessary to draw the water level down. To do this, Pinellas County proposes to "siphon" water from Pond B into the Mainlands Canal on a one-time basis. The water elevation in the canal is approximately four (4) feet lower than that in Pond B.

The County has taken water samples from the borrow pits (Pond A and B) and the Mainlands Canal. The analytical results are attached. From the data, it appears that the water in Pond B is of slightly better quality than that in the canal. The County believes that the discharge of water from Pond B into the canal will not cause a deterioration in water quality in "waters of the State". The pond now supports a diverse ecosystem which is very stable; it has no history of fish kills, algal blooms, etc.

Dr. Garrity
Page 2

SAMPLE LOCATIONS (See Map)

As previously stated, Pond B is a completely self-contained water body. It has no outlet nor feeder streams. It is recharged by groundwater, rainfall, and (to a limited degree) surface runoff. A smaller pond, Pond A, has been receiving water excesses from the 20-acre holding pond, which is intermittently pumped. However, there is no surface water connection between Pond A and Pond B, nor does Pond A have an outlet.

In conclusion, Pinellas County believes that this proposal is reasonable and will not cause any adverse impacts on water quality. By creating freeboard in Pond B, it is believed there will be ample storage to fulfill the site's needs until the cooling tower system is operational.

We ask that the Department review this request in an expeditious manner, as the County is anxious to proceed before the summer rains begin. If you desire more information, please do not hesitate to call. The County extends an invitation to the Department to come to the site for a first-hand evaluation.

W. W. Dauber
Director, Public Works Operations

CC: Hamilton S. Oves, Jr., P. E.

Attachments

ENVIRONMENTAL SCIENCE & ENGINEERING

04/04/84

PROJECT NUMBER 83405400
 FIELD GROUP: PSW-2
 PARAMETERS: ALL SAMPLES: ALL

SAMPLE LOCATIONS (SEE AERIAL) PR
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PARAMETERS	STORET # METHOD #	1	2	3	4	5
		2-1 338109	2-2 338110	2-3 338111	2-4 338112	2-5 338113
DATE		2/20/84	2/20/84	2/20/84	2/20/84	2/20/84
TIME		1515	1525	1530	1540	1550
ARSENIC, TOTAL (UG/L)	1002	<0.5	<0.6	<0.6	<0.6	<0.6
BARIUM, TOTAL (UG/L)	1007 0	44	44	25	27	51
CADMIUM, TOTAL (UG/L)	1027 0	<4.0	<4.0	<4.0	<4.0	<4.0
CHROMIUM, TOTAL (UG/L)	1034 0	<4.0	<4.0	<4.0	<4.0	<4.0
LEAD, TOTAL (UG/L)	1051 0	<48.0	<48.0	<48.0	<48.0	<48.0
MERCURY, TOTAL (UG/L)	71900 0	<25	<25	<25	<25	0.2
SELENIUM, TOTAL (UG/L)	1147 0	<50	<50	<50	<50	<50
SILVER, TOTAL (UG/L)	1077 0	<6.0	<6.0	<6.0	<6.0	<6.0
ALUMINUM, TOTAL (UG/L)	1105 0	<40	<40	<40	57	350
COPPER, TOTAL (UG/L)	1042 0	<4.0	<4.0	<4.0	<4.0	<4.0
IRON, TOTAL (UG/L)	1045 0	67	94	24	22	619
NICKEL, T, (UG/L)	1067 0	<9.0	<9.0	<9.0	<9.0	<9.0
ZINC, TOTAL (UG/L)	1092 0	15.0	11.0	23.0	21.0	<1.0
NITROG, NO2+NO3 (MG/L)	630 0	<0.010	0.030	0.026	0.243	0.744
NITROGEN, NO2 (MG/L)	615 0	<0.010	<0.010	<0.010	0.012	0.087
NITROG, NO3, CAL (MG/L)	620 0	<0.010	0.025	0.021	0.231	0.657
CHLORIDE (MG/L)	940 0	130	110	80.0	70.0	95.0
COD, LOW LEVEL (MG/L)	335 0	43	35	32	58	80
COLIFORM, T., MPN (#/100ML)	31506 0	9	93	240	460	460