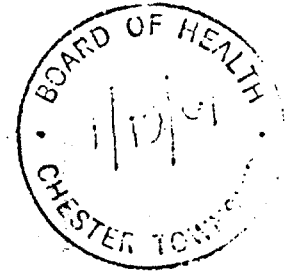




39840



## State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF ENVIRONMENTAL QUALITY  
JOHN FITCH PLAZA, CN027, TRENTON, N.J. 08625  
Solid Waste Administration

JACK STANTON  
DIRECTOR

January 12, 1981

Rita Klimkowski  
Board of Health, Morris County  
Township of Chester  
Box 428  
Chester, NJ 07930

Dear Mrs. Klimkowski:

This letter is in response to your letter of December 1, 1980. I hope the following information is what you require.

Water Analysis

The Chester Hills landfill has five monitor wells which are tested quarterly for the following parameters: BOD<sub>5</sub>, COD, Chloride, Iron, Phenols, Total dissolved solids and hardness. In addition to these parameters, once a year an expanded analysis is done including tests for some heavy metals. The most recent expanded analyses that we have received for 1979 and 1980 for mercury, lead and cadmium are shown below:

	Well #1	Well #2	Well #3	Well #4	Well #5
9/80					
Cadmium	.01	.01	.01	.01	.01
Lead	.05	.05	.05	.11	.05
Mercury		NOT TESTED			
8/79					
Cadmium	.11	.01	.01	.01	.01
Lead	.10	.01	.03	.01	.02
		NOT TESTED			
5/79					
Cadmium	.13	.01	.22	.01	.01
Lead	.12	.05	.06	.05	.05
Mercury		NOT TESTED			

January 12, 1981

Monitor Well Specifications

Three of the five monitor wells at the Chester Hills landfill were installed a long while ago and it is difficult to give you accurate information concerning their specifications. Well #4 and #5 were installed at a later time and more information is known about these. The following is a summary of specs for the five wells.

	<u>LOCATION</u>	<u>DEPTH</u>	<u>GEOLOGIC FORM.</u>	<u>CASING</u>
Well #1	At LF garage	(?) possibly 100-200 ft.	Gneissic bedrock	steel
Well #2	On landfill property at crest of hill near access road	(?) possibly 100-200 ft. or deeper	Gneissic bedrock	steel
Well #3	Filiberto House on Parker Road	(?) possibly 100-200 ft. or deeper	Gneissic bedrock	steel
Well #4	On NE side of power lines (State Permit #25-19543)	TD 150', depth of casing 100' 6", W.L. 30'	Gneissic bedrock 1st 100' rotten rock	steel
Well #5	Located near powerline on south side of landfill (Permit #25-19544) Shallow well	TD 30', Screen set 20-30' Gravel packed & grouted, water level 10'	In glacial drift; soils consists of gravelly or stony loam	P.V.C.

Future Plans and Investigations

Chester Hills is one of over 200 landfills which preexisted the statute empowering the Department of Environmental Protection to regulate landfill operations in New Jersey. Regulations governing the methods of landfill operations were revised in 1974, and several smaller revisions have been made in the rules since that time. The Department of Environmental Protection is concerned that these pre-existing landfills may be presenting a danger of contamination to ground and surface waters. We are preparing to conduct surface water sampling in the vicinity of Chester Hills landfill in the near future in cooperation with the Upper Raritan Watershed Association. If this sampling discloses a pollution problem, the Department of Environmental Protection will be in a position to require that the situation be remedied. If pollution is found emanating from the site, additional monitor wells would be required.

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Mrs. Rita Klimkowski

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January 12, 1981

If and when the landfill expands further to the west, more monitoring wells will be required to be installed and testing procedures will be implemented. I hope the information has answered your questions. If not, please do not hesitate to contact us.

Very truly yours,



Walter Burshtin, P.E., P.P.  
Chief, Engineering & Registration  
Solid Waste Administration

WB:DT:gd

100209

# HEAVY METAL ANALYSIS OF PARKER ROAD AND SCHOOLHOUSE LANE

<u>Name</u>	<u>Block</u>	<u>Lot</u>	<u>Mercury</u>	<u>Lead</u>
Smith, Parker Rd.	16	36	0.0009	<0.04
Jones, Parker Rd.	17	19	.0007	<0.04
Tucker, Parker Rd.	16	35	.0014	0.04
Cole, Parker Rd.	16	26	.0007	<0.04
Bullard, Parker Rd.	16	31	.0003	<0.04
McNamara, Parker Rd.	16	42	< .0001	<0.04
Compton, Parker Rd.	16	43	< .0001	<0.04
Cavazzas, Parker Rd.	17	5	0.0001	<0.04
York, Parker Rd.	17	20	0.0002	<0.04
Steinfeld, Parker Rd.	17	25	< 0.0001	<0.04
Whitehead, Parker Rd.	16	37	0.0001	<0.04
Duryea, Parker Rd.	16	11	0.0002	<0.04
Township Hall, Parker Rd.	16	34	< 0.0001	<0.04
Lieberwith, Parker Rd.	16	38	0.0004	<0.04
Hobbie Heat, Parker Road	17	4	0.0001	<0.04
Beck, Parker Rd.	17	15	0.0001	<0.04
Price, Parker/School- house	17	21	0.0004	0.04
Pierson, Schoolhouse	17	22A	0.0001	<0.04
Hoffman, Schoolhouse	17	24	0.0001	<0.04
Knutsen, Schoolhouse	17	43	< 0.0001	<0.04
Tingue, Parker	17	1	< 0.0001	<0.04
Pruiksma, School- house	17	22B	0.0002	0.04
Agee, Schoolhouse	17	22D	< 0.0001	<0.04
Giersch, Parker	17	28	< 0.0001	<0.04
Schroeder, School- house	17	44	< 0.0001	<0.04
Perry, Schoolhouse	17	22A	0.0002 ( $\pm$ 0.0001)	<0.04 ( $\pm$ 0.001)
Standard			(0.0020)	(0.05)

*Tests taken by Chester Township recently  
of private homeowners' wells. The residents  
live near the landfill.*

2-10-81

100210

MEDIC LABORATORY OF NORTHWEST NEW JERSEY, INC.

(Certified Water Laboratory No. 351-7035)

108 High St., P.O. Box 428 Hackettstown, N.J. 07840

Vincent D. Coughlin, Director

Phones: Lab.—852-3023

Billing Office—852-3054

MON., TUES., WED., FRI. 8:30 to 4:30

SAT. 8:30 to 3:00 CLOSED THURS.

WATER ANALYSES

Name Washington Twsp. Health Dept.

Date Nov. 25, 1980

Address Long Valley, N.J.

Date of Collection 11/21/80

Time of Collection \_\_\_\_\_

Sample Collected by MLC

Date & Time Submitted 11/21 - pm

BACTERIOLOGICAL

Total No. of Coliform  
Organisms/100ml

Total No. of Fecal Coliform  
Organisms/100ml

Source of Supply

1. #14698 - Bostick - pond

3200 0

2. \_\_\_\_\_

REMARKS:

(Complied, Did not comply) with bacteriological standards for  
a safe water supply at the time of collection.

CHEMICAL

Source of Supply same

ph 6.80 JTU

Iron 0.14 ppm

Hardness \_\_\_\_\_ ppm

REMARKS:

Copy to Warren County Health Department

*Vincent Coughlin*

100211

Phone: Lab.—852-3023  
Billing Office—852-3054

MON.-TUES.-WED.-FRI. 8:30 to 4:30  
SAT. 8:30 to 3:00 CLOSED THURS.

WATER ANALYSES

Name Washington Twsp. Health Dept.

Date Nov. 25, 1980

Address Long Valley, N.J.

Date of Collection 11/21/80

Time of Collection 2:00pm

Sample Collected by MLC

Date & Time Submitted 11/21 - pm

BACTERIOLOGICAL

Total No. of Coliform  
Organisms/100ml

Total No. of Fecal Coliform  
Organisms/100ml

Source of Supply

1. #14694 - Tingle, Parker Rd.  
above pond

1200

10

REMARKS:

(Complied, Did not comply) with bacteriological standards for  
a safe water supply at the time of collection.

CHEMICAL

Source of Supply same

ph 6.76 JTU

Iron 0.15 ppm

Hardness        ppm

REMARKS:

*Vincent Coughlin*

Copy to Warren County Health Department

Phone: Lab.—852-3023  
Billing Office—852-3054

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WATER ANALYSES

Name Washington Twsp. Health Dept.

Date Nov. 25, 1980

Address Long Valley, N.J.

Date of Collection 11/21/80

Time of Collection 2:00pm

Sample Collected by MLC

Date & Time Submitted 11/21 - pm

BACTERIOLOGICAL

Total No. of Coliform  
Organisms/100ml

Total No. of Fecal Coliform  
Organisms/100ml

Source of Supply

1. #14695 - Botick, Parker Rd.

700

15

2. spring feeding into stream

REMARKS:

(Complied, Did not comply) with bacteriological standards for  
a safe water supply at the time of collection.

CHEMICAL

Source of Supply same

ph 7.86 JTU

Iron 2.04 ppm

Hardness        ppm

REMARKS:

*Vincent Coughlin*

Copy to Warren County Health Department

100212