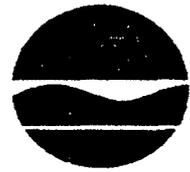


New York State Department of Environmental Conservation
50 Wolf Road, Albany, New York 12233-7010

September 8, 1994



Langdon Marsh
Commissioner

~~09.01.00.0026~~

Mr. Jim Colter
Department of the Navy
Northern Division
Naval Facilities Eng. Command
10 Industrial Highway
Mail Stop #82
Lester, PA 19113-2090

Re: Calverton NWIRP ID No. 152136
Pump Test

Dear Mr. Colter:

Effluent criteria have been developed for a groundwater discharge. The attached criteria were developed for a discharge to groundwater from two proposed pump tests. The criteria are applicable at both locations. It must be assured that all discharges enter the groundwater and do not migrate into any drainage ditches or surface water bodies. The attached effluent criteria are not applicable for a discharge to a drainage ditch or surface water body.

The table of analytical results provided contains several errors. The NYS groundwater standards (6 NYCRR Part 700-705) have not been included in this table. In particular the groundwater standards for benzene, gamma-BHC, endrin, copper, lead, sodium, zinc and cyanide are more stringent than the values listed in this table. The RFI report must be prepared using the correct groundwater standards and guidance values.

As we discussed, it is not known whether the iron levels in the groundwater are truly background, so we must assume it is present due to a release and it must be treated down to 600 ppb prior to discharge. If additional data can be provide which proves the iron levels are indeed background, then the discharge level may be adjusted. Another concern regarding the iron levels is the possibility of clogging the spray aeration ports.

If you have any questions, please call me at (518) 457-3976.

Sincerely,

David G. Pratt
Bureau of Eastern Remedial Action
Division of Hazardous Waste Remediation

EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTSDuring the period beginning September 1, 1994and lasting until January 1, 1995

the discharges from the treatment facility shall be limited and monitored by the operator as specified below:

Outfall Number & Effluent Parameter	Discharge Limitations		Units	Minimum Monitoring Requirements	
	Daily Avg.	Daily Max.		Measurement Frequency	Sample Type
<u>Outfall 001 - Treated Groundwater:</u>					
Flow	Monitor	Monitor	gpd	Continuous	Meter
Chloroethane	NA	5	µg/l	(2)	Grab
1,1-Dichloroethane	NA	5	µg/l	(2)	Grab
1,1-Dichloroethylene	NA	5	µg/l	(2)	Grab
1,1,1-Trichloroethane	NA	5	µg/l	(2)	Grab
Benzene	NA	0.7	µg/l	(2)	Grab
Ethylbenzene	NA	5	µg/l	(2)	Grab
Toluene	NA	5	µg/l	(2)	Grab
Xylene, m-	NA	5	µg/l	(2)	Grab
Xylene, o-	NA	5	µg/l	(2)	Grab
Xylene, p-	NA	5	µg/l	(2)	Grab
Phenolics, Total	NA	1	µg/l	(2)	Grab
1,2,4-Trichlorobenzene	NA	5	µg/l	(2)	Grab
Endrin aldehyde	NA	0.1	µg/l	(2)	Grab
gamma-BHC	NA	0.02	µg/l	(2)	Grab
Iron, Total	NA	600	µg/l	(2)	Grab
Manganese, Total	NA	600	µg/l	(2)	Grab

Note 1: The Sum of Iron, Total and Manganese, Total shall not exceed 1.0 mg/l.Note 2: Sampling of the effluent shall be conducted prior to each discharge event.