GEO Engineering

150 Mineral Spring Drive
Dover, New Jersey 07801
201 361-3600 FAX 361-3800

February 7, 1996

Harold Carscadden
Passaic Valley Sewerage Commissioners
600 Wilson Avenue
Newark, NJ 07105

SUBJ: **Former Hexcel Facility**
205 South Main Street
Lodi, Bergen County, New Jersey
PVSC Application
ISRA Case No. 86009
GEO Project No. 94039 T1

NJDEP
INDUSTRIAL SITE
EVALUATION ELEMENT
CN028
TRENTON, N.J. 08625
FEB 0 0

Dear Mr. Carscadden:

In response to your request, enclosed are recent influent and effluent testing results for the treatment system for which Hexcel Corporation is requesting final permit approval for discharge to the Passaic Valley Sewerage Commissioners (PVSC). Enclosed are laboratory results pages for the following tests:

- Effluent sample collected December 4, 1995 for analysis for PCBs and Volatile Organics (VOs). This was a sample collected from the last batch of treated water that Hexcel disposed of by shipping off-site.

- Influent samples collected on March 30, 1995 for analysis for PCBs and collected January 24, 1995 for testing for VOs. The sample collected on March 30, 1995 was collected from a "pretreatment tank", H-5. Ground water seepage into the basement is pumped directly into tank H-5 where it is treated by chemical flocculation/gravity settling. The sample collected on January 24, 1995 was collected from the "pretreated water tank", H-2. This ground water seepage minus the material that has settled out is transferred from tank H-5 through a 10 micron filter to tank H-2. The water in tank H-2 has not yet been treated to remove VOs.

The data we have enclosed consists of effluent data for the most recent batch of treated water that was disposed of off-site and the most recent influent data. We will send you additional influent and effluent data in the near future. Specifically, we will send you the results of testing the current batch of treated water; this will be representative of the

SDMS Document
88272

one-time discharge of up to 3,000 gallons for equipment calibration that is being arranged in conjunction with PVSC's site inspection. Another sampling of the influent will be collected later this month. When we receive the results from the laboratory, we will forward them to you.

Please call if you have any questions.

Sincerely,

GEO ENGINEERING, INC.

Marjorie A. Piette

Marjorie A. Piette
Project Manager

MAP/lll
Enclosures
cc: Lisa Bromberg
A. William Nosil
James Higdon
Joseph Nowak

[PCB's] Effluent 12/4/95

H-1 = Treated water tank

ENVIROTECH RESEARCH, INC.

Client ID: **H-1**
Site: Hexcel

Lab Sample ID: **35478**
Lab Job No: L065

Date Sampled: 12/04/95
Date Received: 12/04/95
Date Extracted: 12/05/95
Date Analyzed: 12/06/95
GC Column: DB-608
Instrument ID: PESTGC3.i

Matrix: WATER
Sample Volume: 950 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: zr007763.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.18
Aroclor-1221	ND	0.37
Aroclor-1232	ND	0.14
Aroclor-1242	ND	0.40
Aroclor-1248	ND	0.32
Aroclor-1254	ND	0.37
Aroclor-1260	ND	0.12

882720003

[VO's] Effluent 12/4/95

ENVIROTECH RESEARCH, INC.

H-1 = Treated water tank

Client ID: H-1
Site: Hexcel

Lab Sample No: 35478
Lab Job No: L065

Date Sampled: 12-04-95
Date Received: 12-04-95
Date Analyzed: 12-07-95
GC Column: DB624
Instrument ID: VOAMS1
Lab File ID: a0289.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	4.6
Bromomethane	ND	1.4
Vinyl Chloride	ND	2.0
Chloroethane	ND	5.2
Methylene Chloride	70	5.2
Trichlorofluoromethane	ND	1.2
1,1-Dichloroethene	ND	2.8
1,1-Dichloroethane	ND	1.6
trans-1,2-Dichloroethene	ND	1.5
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	1.0
1,2-Dichloroethane	ND	1.1
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	0.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	2.3
cis-1,3-Dichloropropene	ND	1.6
Trichloroethene	ND	2.0
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	2.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.6
2-Chloroethyl Vinyl Ether	ND	2.3
Bromoform	ND	1.5
Tetrachloroethene	5.6	0.5
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	ND	0.9
Chlorobenzene	3.4	0.7
Ethylbenzene	ND	1.2
Xylene (Total)	ND	5.0

ENVIROTECH RESEARCH, INC. [VO's] Effluent 12/4/95 (Cont.)

Client ID: H-1
Site: Hexcel

Lab Sample No: 35478
Lab Job No: L065

Date Sampled: 12-04-95
Date Received: 12-04-95
Date Analyzed: 12-07-95
GC Column: DB624
Instrument ID: VOAMS1
Lab File ID: A0289.D

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. Acetone	7.47	140	
2. 2-Butanone	11.77	160	
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13.			
14.			
15.			
16.			
17.			
18.			
19.			
20.			
21.			
22.			
23.			
24.			
25.			
26.			
27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION 300

ENVIROTECH RESEARCH, INC. [PCB's] Influent 3/30/95

H-5 = Pretreatment tank

Client ID: H-5
Site: Hexcel

Lab Sample No: 22351
Lab Job No: I980

Date Sampled: 3/30/95
Date Received: 3/30/95
Date Extracted: 3/31/95
Date Analyzed: 4/1/95
GC Column: DB-608
Instrument ID: PESTGC03

Matrix: WATER
Sample Volume: 100 ml
Extract Final Volume: 1.0 ml
Dilution Factor: 1000
Lab File ID: ZR002879
QA Batch No: 2762

ORGANOCHLORINE PCBs - GC/EC
METHOD 8080

Parameter	Analytical Result Units: ug/l	Quantitation* Limit Units: ug/l
PCB-1016	ND	2.0
PCB-1221	ND	2.0
PCB-1232	ND	2.0
PCB-1242	10000	2.0
PCB-1248	ND	2.0
PCB-1254	ND	2.0
PCB-1260	ND	2.0

*Quantitation limit for an undiluted sample.

882720006

1A [VO's] Influent 1/24/95

VOLATILE ORGANICS ANALYSIS DATA SHEET

H-2 = Pretreated water tank

EPA SAMPLE NO.

H2

Lab Name: QUANTERRA PITT Contract: 090940

0001011

Lab Code: QPITT Case No.: HEX SAS No.: _____ SDG No.: GENERA

Matrix: (soil/water) WATER Lab Sample ID: C5A240017001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 2190202D

Level: (low/med) LOW Date Received: 01/24/95

% Moisture: not dec. ____ Date Analyzed: 02/02/95

Column: (pack/cap) CAP Dilution Factor: 5000

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	50000	U
74-83-9	Bromomethane	50000	U
75-01-4	Vinyl Chloride	50000	U
75-00-3	Chloroethane	50000	U
75-09-2	Methylene Chloride	710000	
67-64-1	Acetone	500000	U
75-15-0	Carbon Disulfide	25000	U
75-35-4	1,1-Dichloroethene	25000	U
75-34-3	1,1-Dichloroethane	25000	U
540-59-0	1,2-Dichloroethene (TOTAL)	9400	J
67-66-3	Chloroform	25000	U
107-06-2	1,2-Dichloroethane	25000	U
78-93-3	2-Butanone	500000	U
71-55-6	1,1,1-Trichloroethane	5200	J
56-23-5	Carbon Tetrachloride	25000	U
108-05-4	Vinyl Acetate	250000	U
75-27-4	Bromodichloromethane	25000	U
78-87-5	1,2-Dichloropropane	25000	U
10061-01-5	cis-1,3-Dichloropropene	25000	U
79-01-6	Trichloroethene	5200	J
124-48-1	Dibromochloromethane	25000	U
79-00-5	1,1,2-Trichloroethane	25000	U
71-43-2	Benzene	25000	U
10061-02-6	Trans-1,3-Dichloropropene	25000	U
75-25-2	Bromoform	25000	U
108-10-1	4-Methyl-2-Pentanone	250000	U
591-78-6	2-Hexanone	250000	U
127-18-4	Tetrachloroethene	39000	
79-34-5	1,1,2,2-Tetrachloroethane	25000	U
108-88-3	Toluene	5000	J
108-90-7	Chlorobenzene	25000	U
100-41-4	Ethylbenzene	25000	U
100-42-5	Styrene	25000	U
1330-20-7	Total Xylenes	25000	U

882720007

1E [VO's] Influent 1/24/95 (cont.) 0001012

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

H2

Name: QUANTERRA PITT Contract: 090940

Code: QPITT Case No.: HEX SAS No.: _____ SDG No.: GENERA

Matrix: (soil/water) WATER Lab Sample ID: CSA240017001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: 2190202D

Soil (low/med) LOW Date Received: 01/24/95

Moisture: not dec. ____ Date Analyzed: 02/02/95

Purge (pack/cap) CAP Dilution Factor: 5000

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

No. TICs found: 2

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
	UNKNOWN	2.82	49000	J
275-51-4	AZULENE	18.62	140000	J