Chevron

June 16, 1997

Chevron Products Company
1200 State Street
Perth Amboy, NJ 08861

M.E. Coyle
Refinery Manager
Phone No. 908 738 2136
Fax No. 908 738 2028

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Joseph J. Seebode
Chief, Regulatory Branch
US Army Corps of Engineers
New York District
Jacob K. Javits Federal Building
New York, NY 10278-0090

SUBJECT: 30 Day Public Notice
Perth Amboy Refinery Maintenance Dredging Project with Upland Placement
Application Number 91-0089-OD

Dear Mr. Seebode:

Enclosed please find Chevron Products Company's 30 Day Public Notice work description and referenced site plan.

It was Chevron's understanding, from discussions at all previous meetings with the Army Corps of Engineers (ACOE), that the 30 Day Public Notice requirement was not applicable for upland placement projects. It was also Chevron's understanding that the ACOE would issue a permit within several working days, confirming the non-applicability of the Public Notice requirement for upland placement projects. Chevron was first notified verbally of this requirement last week, when the ACOE requested the enclosed information in order to release the Public Notice.

Please release the 30 Day Public Notice as soon as possible since Chevron planned to begin dredging work on or before July 8, 1997.

Thank you for your attention to this matter. Please contact Mr. T.H. Lambert, Environmental Project Manager at (908) 738-2171 if there are any questions.

Very truly yours,

M.E. Coyle
Enclosure

REGULATORY BRANCH

U.S. Army Corps of Engineers
New York District
26 Federal Plaza
New York, NY 10278-0090



FAX COVER SHEET

TO:

MAR 2 7 1997

NAME Tom Lambert

FAX # 908 738 [illegible] 2028

FROM:

NAME

VOICE # 212264 0184 FAX # **(212) 264-4260**

SUBJECT:

 # OF PAGES: 2

DEPARTMENT OF THE ARMY
NEW YORK DISTRICT, CORPS OF ENGINEERS
JACOB K. JAVITS FEDERAL BUILDING
NEW YORK, N.Y. 10278-0090

REPLY TO
ATTENTION OF

Regulatory Branch

MAR 2 7 1997

SUBJECT: Dredging Meeting

Mr. Thomas Lambert
CHEVRON, U. S. A., Inc.
1200 State Street
Perth Amboy, New Jersey 08861

Dear Mr. Lambert:

This will confirm the scheduling of our next meeting to discuss pending dredging and ocean disposal projects. The meeting will be held on April 11, 1997 at 10 A. M. in Room 27A (27th Floor) of 290 Broadway, New York, New York.

Items to be discussed at our meeting include applicant updates on the progress of sampling, testing and data generation; status reports on the processing of applications by the US Army Corps of Engineers; a discussion on the scheduling of dredging projects, and anticipated capping operations.

Should you have any questions please do not hesitate to contact me or Mr. Mark Roth, Ocean Disposal Project Manager at (212) 264-0184.

Sincerely,

Joseph J. Seebode
Chief, Regulatory Branch

10-Day Bedded Sediment Test							
Test Organism	Reference Sediment Survival	Area A Survival	Difference	Area B Survival	Difference	Area C Survival	Difference
Eohaustorius	92%	54%	38%*	10%	82%*	63%	29%*
Mysidopsis	73%	37%	36%*	32%	41%*	55%	52%*

CONFIDENTIAL DOCUMENT - ATTORNEY/CLIENT PRIVILEGED

AGENDA 3/25/MTG

- **Introductions**
- **Overview of Application**
- **Brief Review of Testing Results**
- **Modification of Application for Dredging**
  - **Reduced Area for Dredging**
  - **New Disposal Option**
  - **Modified Plan for Managing Dredged Material**
- **New Requirements**
- **New Timeline**
- **Discussion and Wrap-up**

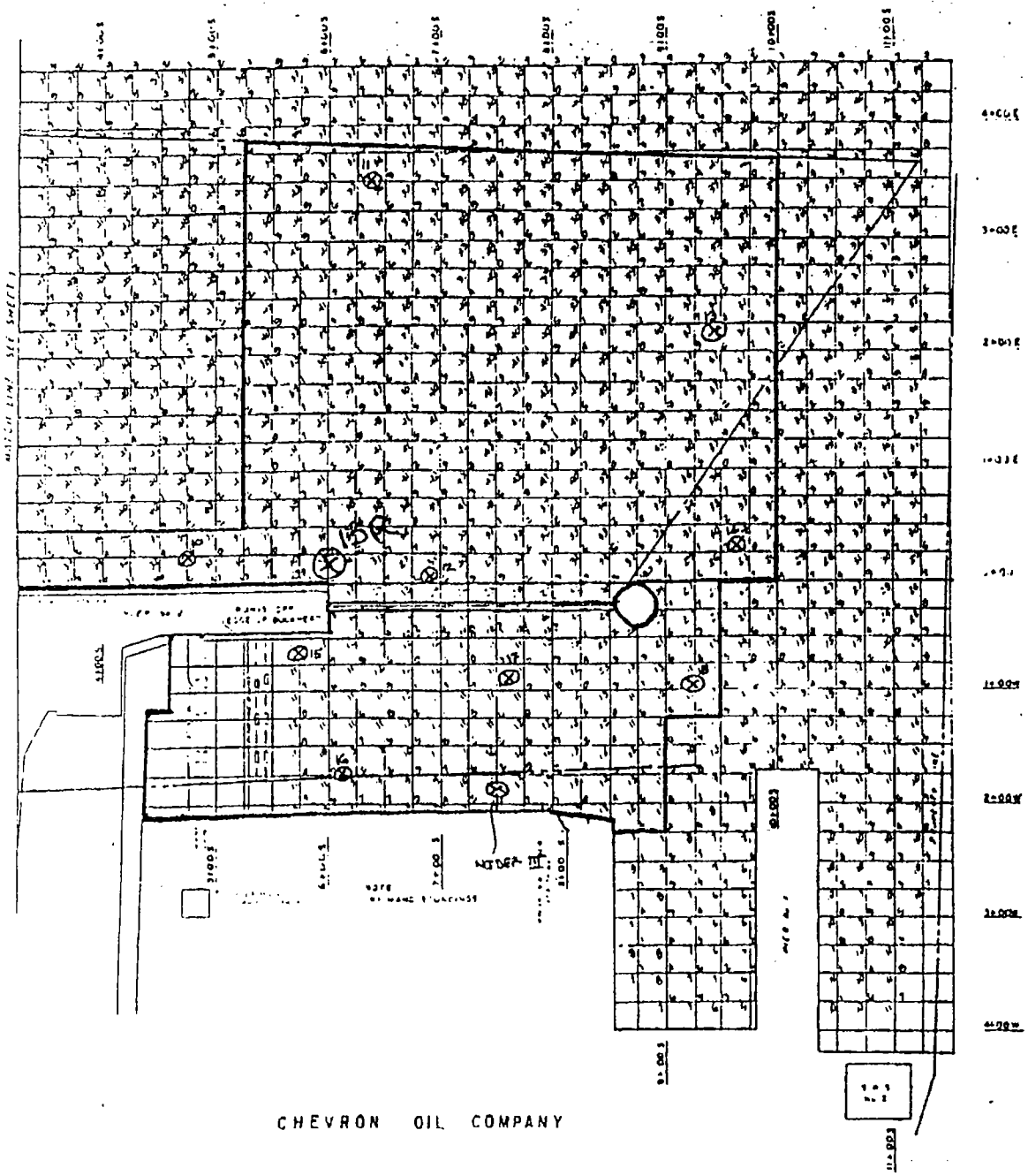
Attended by

James Rathbun EPA
George Pavlou EPA
Mark Roth COE
Frank Reilly Chevron
Tom Lambert Chevron
Bob Lavenaar Chevron

Initial Application Plan

Dredging Area	A	B	C	Total
Area to Be Dredged (square feet)	273,125	274,375	83,750	631,250
Project Depth (feet)	30	39	23	
Overdredging Depth (feet)	32	41	25	
Project Depth Volume (cubic yards)	31,044	17,470	32,259	80,773
Volume Including Overdredging Volume (cubic yards)	50,997	33,164	38,259	122,420

ARTHUR KILL



CHEVRON OIL COMPANY

NOTES

1. SOUNDINGS RECORDED IN FEET AND REFER TO THE LOCAL PLANE OF MEAN LOW WATER.
2. SOUNDINGS RECORDED ON SILVERSAND 9/15/88 BY AQUA FIRMA SURVEYS USING A RAYTHEON DE-719 SONAR

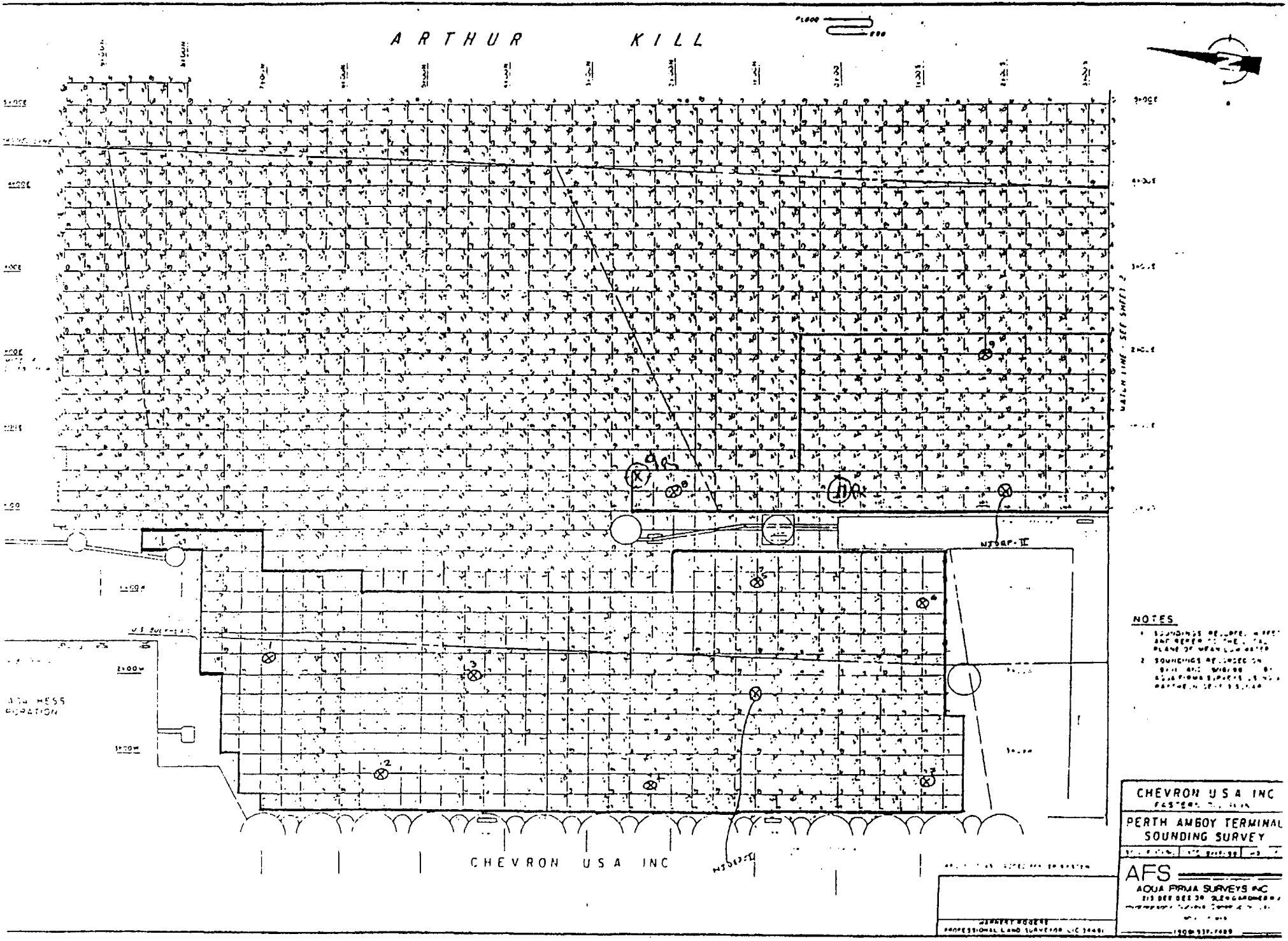
CHEVRON U.S.A. INC.
EASTERN DIVISION

PERTH AMBOY TERMINAL
SOUNDING SURVEY

SCALE 1" = 50' | DATE 9-27-88 | SHT 2 OF 2

AFS
AQUA FIRMA SURVEYS INC.

WARREN T. ROGERS LICENSE 35434
PROFESSIONAL LAND SURVEYOR


ARTHUR KILL
CHEVRON USA INC
NOTES
CHEVRON USA INC
PERTH AMBOY TERMINAL
SOUNDING SURVEY
AFS
AQUA FIRMA SURVEYS INC

2,3,7,8- Tetrachlorodibenzo-p-dioxin concentrations in sediment cores.

			Dredging Area			
Core Number	Units	MDL	A	B	C	D
1	pptr	0.5	20.2			
2	pptr	0.5	19.9			
3	pptr	0.5	23.2			
4	pptr	0.5	24.3			
5	pptr	0.5	19.2			
6	pptr	0.5	17.9			
7	pptr	0.5	29.9			
8	pptr	0.5		202		
9	pptr	0.5		88.2		
10	pptr	0.5		34.7		
11	pptr	0.5		11		
12	pptr	0.5		399.9		
13	pptr	0.5		20.7		
14	pptr	0.5		45.2		
15	pptr	0.5			22	
16	pptr	0.5			24.4	
17	pptr	0.5			20.8	
18	pptr	0.5			17.4	
20	pptr	0.5				24.4
21	pptr	0.5				30.4
22	pptr	0.5				21.9
23	pptr	0.5				30.1

CONFIDENTIAL DOCUMENT - ATTORNEY/CLIENT PRIVILEGED

Chemical Determination of Sediment from Areas Proposed for Dredging and Reference Site

ANALYTE	UNITS	MDL	SEDIMENT FROM DREDGING AREA A	B	C	REFERENCE SITE
I. METALS:						
Arsenic	mg/kg	0.100	U	19.6	39.4	31.9
Cadmium	mg/kg	0.010	0.9	1.6	6.86	2.43
Chromium	mg/kg	0.020	160	198	175	52.5
Copper	mg/kg	0.100	253	413	335	5.35
Lead	mg/kg	0.0200	147	195	223	47.5
Mercury	mg/kg	0.100	2.51	9.83	2.71	0.01
Nickel	mg/kg	0.100	41	47.2	43.4	12.9
Silver	mg/kg	0.100	7.17	11.2	16.8	2.59
Zinc	mg/kg	0.100	276	372	365	16.42
II. PESTICIDES:						
Aldrin	ug/kg	3.28	U	U	U	U
alpha-chlordane	ug/kg	3.78	U	U	U	U
trans-nonachlor	ug/kg	4.68	U	11.4	2.81 J	U
Dieldrin	ug/kg	4.94	U	U	U	U
p,p'-DDT	ug/kg	3.32	U	U	U	U
o,p'-DDT	ug/kg	3.48	U	U	U	U
p,p'-DDD	ug/kg	3.62	U	2.02 J	0.62 J	U
o,p'-DDD	ug/kg	3.74	1.07 J	0.68 J	U	U
p,p'-DDE	ug/kg	3.58	U	4.93	1.21 J	U
o,p'-DDE	ug/kg	4.68	U	U	U	U
Endosulfan I	ug/kg	3.74	U	U	U	U
Endosulfan II	ug/kg	4.90	U	U	U	U
Endosulfan sulfate	ug/kg	3.50	U	U	U	U
Heptachlor	ug/kg	3.00	U	U	U	U
Heptachlor epoxide	ug/kg	4.74	U	U	U	U
III. PCB CONGENERS:	**CONGENER #**					
2,4'-Dichlorobiphenyl	8 ug/kg	2.94	U	U	U	U
2,2',5-Trichlorobiphenyl	18 ug/kg	4.24	U	U	U	U
2,4',4-Trichlorobiphenyl	28 ug/kg	4.08	U	U	U	U
2,2',3,5'-Tetrachlorobiphenyl	44 ug/kg	3.40	U	U	U	U
2,2',4,5'-Tetrachlorobiphenyl	49 ug/kg	3.94	U	U	U	U
2,2',5,5'-Tetrachlorobiphenyl	52 ug/kg	3.18	U	U	U	U
2,3',4,4'-Tetrachlorobiphenyl	66 ug/kg	4.14	U	4	U	U
2,2',3,4,5'-Pentachlorobiphenyl	87 ug/kg	2.78	U	U	U	U
2,2',4,5,5'-Pentachlorobiphenyl	101 ug/kg	4.14	U	1.96 J	U	U

CONFIDENTIAL DOCUMENT - ATTORNEY/CLIENT PRIVILEGED

2,3',3,4,4'-Pentachlorobiphenyl	105	ug/kg	3.68	U	U	U	U
2,3',4,4,5'-Pentachlorobiphenyl	118	ug/kg	3.44	U	3.43 J	U	U
2,2',3,3',4,4'-Hexachlorobiphenyl	128	ug/kg	3.46	U	U	U	U
2,2',4,4',5,5'-Hexachlorobiphenyl	153	ug/kg	1.30	U	5.93	2.51	U
2,2',3,3',4,4',5-Heptachlorobiphenyl	170	ug/kg	3.34	U	U	U	U
2,2',3,4,4',5,5'-Heptachlorobiphenyl	180	ug/kg	3.18	U	1.15 J	U	U
2,2',3,4,4',5',6-Heptachlorobiphenyl	183	ug/kg	2.92	U	U	U	U
2,2',3,4,4',6,6'-Heptachlorobiphenyl	184	ug/kg	2.92	U	U	U	U
2,2',3,4',5,5',6-Heptachlorobiphenyl	187	ug/kg	1.70	U	U	U	U
2,2',3,3',4,4',5,6-Octachlorobiphenyl	195	ug/kg	2.66	U	U	U	U
2,2',3,3',4,4',5,5',6-Nonachlorobiphenyl	206	ug/kg	2.34	U	U	1.01 J	0.05 J
2,2',3,3',4,4',5,5',6,6'-Decachlorobiphenyl	209	ug/kg	2.50	U	U	U	U
IV. PAH							
Acenaphthene		ug/kg	20.9	U	14.9 J	U	U
Acenaphthylene		ug/kg	24.7	U	U	U	U
Anthracene		ug/kg	23.4	U	11	U	U
Fluorene		ug/kg	22.9	U	14.1 J	U	U
Naphthalene		ug/kg	22.9	16.4 J	19.5 J	17.9 J	25.3
Phenanthrene		ug/kg	22.1	U	43	11.7 J	U
benzo(a)anthracene		ug/kg	14.4	U	31	U	U
benzo(a)pyrene		ug/kg	17.2	U	212.6	U	U
benzo(g,h,i)perylene		ug/kg	23.6	U	12.1 J	U	U
benzo(b)fluoranthene		ug/kg	11.4	U	24.2	U	U
benzo(k)fluoranthene		ug/kg	13.1	U	U	U	U
Chrysene		ug/kg	15.2	U	35.6	10.1 J	U
Dibenzo(a,h)anthracene		ug/kg	29.0	U	U	U	U
Fluoranthene		ug/kg	21.7	U	58.1	13.5 J	U
Indeno(1,2,3-c,d)pyrene		ug/kg	23.7	U	U	U	U
Pyrene		ug/kg	20.5	U	66.1	14.2 J	U
1,4-dichlorobenzene		ug/kg	3.0	1.2 J	1.8 J	1.6 J	1.5 J
V. SEDIMENT CONVENTIONALS							
% Moisture		%	NA	65.3	58.5	60.3	25.1
Bulk Density		g/cc	NA	1.205	1.191	1.148	1.899
Specific Gravity			NA	1.332	1.344	1.242	2.097
Total Organic Carbon		ppm	1.6				

Revised Application Plan

Dredging Area	A	B	C	Total
Area to Be Dredged (square feet)	0	274,375	0	274,375
Project Depth (feet)	N/A	39	N/A	
Overdredging Depth (feet)	N/A	41	N/A	
Project Depth Volume (cubic yards)	0	17,470	0	17,470
Volume Including Overdredging Volume (cubic yards)	0	33,164[1]	0	122,420

[1] The total volume of dredged material will consist of approximately 20,000 yd^3 and the maximum amount of re-profiling allowed by the State of New Jersey.