US Army Corps of Engineers®

Summary Report

SEPTEMBER 2001

UNITED STATES OF AMERICA

Ocean Dumping Report for Calendar Year

2000

DREDGED MATERIAL

UNITED STATES OF AMERICA

OCEAN DUMPING

REPORT FOR

CALENDAR YEAR

2000

DREDGED MATERIAL

Prepared by Headquarters, U. S. Army Corps of Engineers

Operations Division

441 G Street NW

Washington, D.C. 20314-1000

SEPTEMBER 2001

Background

Under the authority of the International Maritime Organization (IMO), the United States and all other contracting nations to the Convention on the Prevention of Marine Pollution by Dumping of Wastes and Other Matter are required to submit an annual report for each ocean disposal operation. The U.S. Army Corps of Engineers has been tasked with preparing the dredged material portion of these IMO Ocean Dumping Reports.

Reports Numbering System

The following pages contain all 72 U.S. prepared calendar year (CY) 2000 IMO Dredged Material Ocean Disposal Reports. They are numbered as follows:

(1) Pages C-1 through C-132 represent the 49 CY 2000 Corps of Engineers dredged material ocean disposal activities as authorized by the United States Congress.

(2) Pages P-1 through P-56 represent the 23 CY 2000 permitted dredged material ocean disposal activities conducted by permit under authority of Section 103 of the Marine Protection Research and Sanctuaries Act of 1972.

Summary of Data

During CY 2000, the U.S. ocean-disposed 58,725,715 cubic meters of dredged material of which 2,155,942 cubic meters were disposed under Section 103 permit authority, and 56,569,773 cubic meters were disposed under Corps project authority.

Geographical distribution of the U.S. CY 2000 ocean-disposed dredged material was as follows:

Region	Cubic Meters	IMO Report References
Atlantic Ocean	26,536,131	C-1 to C-64, P-1 to P- 34
Gulf of Mexico	30,090,298	C-65 to C-104
Pacific Ocean	2,099,286	C-105 to C-132, P-35 to P-56

Seattle and Honolulu Districts did not carry out any ocean disposal activities during CY 2000. Baltimore District data was reported by Norfolk District.

District Location Abbreviations

Abbreviation	District Name	District Location
NAN	New York	New York, NY
NAE	New England	Boston, MA
NAB	Baltimore	Baltimore, MD
NAO	Norfolk	Norfolk, VA
NAP	Philadelphia	Philadelphia, PA
SAC	Charleston	Charleston, SC
SAW	Wilmington	Wilmington, NC
SAS	Savannah	Savannah, GA
SAJ	Jacksonville	Jacksonville, FL
SAM	Mobile	Mobile, AL
MVN	New Orleans	New Orleans, LA
SWG	Galveston	Galveston, TX
SPL	Los Angeles	Los Angeles, CA
SPN	San Francisco	San Francisco, CA
NWP	Portland	Portland, OR
NWS	Seattle	Seattle, WA
POA	Alaska	Anchorage, AK
POH	Honolulu	Honolulu, HI

Authorship

The 2000 IMO Ocean Disposal Reports in this document were prepared by numerous Corps of Engineers employees in 18 Corps Districts and Divisions which have coastal boundaries. For additional information concerning individual projects, please contact the Corps District employee listed under "Point of Contact" at the end of each report. For projects with no contact listed or other information regarding this report, the central point of contact in the United States Government is:

Headquarters
U. S. Army Corps of Engineers
Operations Division
441 G Street NW
Attn: CECW-OD (Joe Wilson)
Washington, D. C. 20314-1000

This report was compiled and published under the Dredging Operations Technical Support program (http://www.wes.army.mil/el/dots/), Mr. Tom Patin, manager and Mr. Joseph Wilson, Technical Monitor. It was compiled by Mr. Charles H. Lutz, US Army Engineer Research and Development Center, WES, Environmental Laboratory.

TABLE OF CONTENTS

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2541]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW YORK / NEW JERSEY CHANNEL
      #63 KILL VAN KULL - PHASE II CONTRACT II (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 300,800

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 01/01/00
   c. Actual completion: 05/24/00

8. Composition of the dredged material.

   Data for this project was also reported in 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.999
Site Name: CORRECT DISPOSAL SITE NOT IN DATABASE

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

Chemistry data exist for this project and can be seen in the cy1999 report.

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2542]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW YORK / NEW JERSEY CHANNEL
      #63 KILL VAN KULL - CONTRACT IVA (00-KVK-B) (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 152,900

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 06/12/00
   c. Actual completion: 12/13/00

8. Composition of the dredged material.

   CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above. Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:

Site No: 128

Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0

Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):

Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):

Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2543]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. RARITAN RIVER, N.J.
      #70 NEW YORK / NEW JERSEY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 336,400

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 08/28/00
   c. Actual completion: 10/27/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	5	0.0000000	0	0.000000	0.000000	30.000000
MERCURY	5	0.0000000	0	0.000000	0.000000	2.221000
CADMIUM	5	0.0000000	0	0.000000	0.000000	2.580000
LEAD	5	0.0000000	0	0.000000	0.000000	197.200000
CHROMIUM	5	0.0000000	0	0.000000	0.000000	139.800000
COPPER	5	0.0000000	0	0.000000	0.000000	267.200000
NICKEL	5	0.0000000	0	0.000000	0.000000	45.060000
ZINC	5	0.0000000	0	0.000000	0.000000	327.200000
SILVER	5	0.0000000	0	0.000000	0.000000	4.530000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% SAND	1	0.0000000	0	0.000000	0.000000	3.150000
% SILT	1	0.0000000	0	0.000000	0.000000	46.400000
% CLAY	1	0.0000000	0	0.000000	0.000000	50.450000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	1	0.0000000	0	0.000000	0.000000	0.000300
CADMIUM	1	0.0000000	0	0.000000	0.000000	0.000300
LEAD	1	0.0000000	0	0.000000	0.000000	0.001940
CHROMIUM	1	0.0000000	0	0.000000	0.000000	0.001820
COPPER	1	0.0000000	0	0.000000	0.000000	0.002060
NICKEL	1	0.0000000	0	0.000000	0.000000	0.002480
ZINC	1	0.0000000	0	0.000000	0.000000	0.005430
SILVER	1	0.0000000	0	0.000000	0.000000	0.000100

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above. Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments
19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2544]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. RARITAN RIVER TO ARTHUR KILL CO
      #72 NEW YORK / NEW JERSEY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 133,800

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 08/09/00
   c. Actual completion: 08/26/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	0.0000000	0	0.000000	0.000000	33.560000
MERCURY	1	0.0000000	0	0.000000	0.000000	2.100000
CADMIUM	1	0.0000000	0	0.000000	0.000000	2.220000
LEAD	1	0.0000000	0	0.000000	0.000000	171.660000
CHROMIUM	1	0.0000000	0	0.000000	0.000000	111.000000
COPPER	1	0.0000000	0	0.000000	0.000000	244.330000
NICKEL	1	0.0000000	0	0.000000	0.000000	40.600000
ZINC	1	0.0000000	0	0.000000	0.000000	379.660000
SILVER	1	0.0000000	0	0.000000	0.000000	4.640000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% SAND	1	0.0000000	0	0.000000	0.000000	5.590000
% SILT	1	0.0000000	0	0.000000	0.000000	44.040000
% CLAY	1	0.0000000	0	0.000000	0.000000	50.370000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	1	0.0000000	0	0.000000	0.000000	0.002400
CADMIUM	1	0.0000000	0	0.000000	0.000000	0.001000
LEAD	1	0.0000000	0	0.000000	0.000000	0.001127
CHROMIUM	1	0.0000000	0	0.000000	0.000000	0.005570
COPPER	1	0.0000000	0	0.000000	0.000000	0.001043
NICKEL	1	0.0000000	0	0.000000	0.000000	0.002740
ZINC	1	0.0000000	0	0.000000	0.000000	0.001123
SILVER	1	0.0000000	0	0.000000	0.000000	0.000100

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the approximate outside corners are listed above. Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments
19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2545]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. BUTTERMILK CHANNEL
      #36 NEW YORK / NEW JERSEY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 85,600

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 08/21/00
   c. Actual completion: 09/08/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	3	0.0000000	0	10.600000	11.700000	11.000000
MERCURY	3	0.0000000	0	1.200000	1.420000	1.320000
CADMIUM	3	0.0000000	0	1.270000	1.310000	1.290000
LEAD	3	0.0000000	0	128.000000	166.000000	137.000000
CHROMIUM	3	0.0000000	0	93.100000	101.000000	96.000000
COPPER	3	0.0000000	0	93.400000	99.000000	97.000000
NICKEL	3	0.0000000	0	33.500000	35.800000	34.400000
ZINC	3	0.0000000	0	163.000000	199.000000	175.000000
SILVER	3	0.0000000	0	3.850000	4.080000	3.970000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	7	0.0000000	0	0.000000	0.000000	49.660000
% SAND	7	0.0000000	0	0.000000	0.000000	31.790000
% SILT	7	0.0000000	0	0.000000	0.000000	30.040000
% CLAY	7	0.0000000	0	0.000000	0.000000	38.170000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	0.0000000	0	0.000000	0.000000	0.007500
MERCURY	1	0.0000000	0	0.000000	0.000000	0.000100
CADMIUM	1	0.0000000	0	0.000000	0.000000	0.000300
LEAD	1	0.0000000	0	0.000000	0.000000	0.001710
CHROMIUM	1	0.0000000	0	0.000000	0.000000	0.001850
COPPER	1	0.0000000	0	0.000000	0.000000	0.001430
NICKEL	1	0.0000000	0	0.000000	0.000000	0.002650
ZINC	1	0.0000000	0	0.000000	0.000000	0.001700
SILVER	1	0.0000000	0	0.000000	0.000000	0.000674

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the approximate outside corners are listed above.
Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2548]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW YORK / NEW JERSEY CHANNEL
      #63 KILL VAN KULL (CONTRACT 1) (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 597,900

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 06/15/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

   CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the approximate outside corners are listed above.

Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:

Site No: 128

Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0

Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:

Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):

Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):

Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):

Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2562]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. BOSTON MASSACHUSETTS
      COE BOSTON HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 444,200

7. Expected frequency of dumping (for reporting period):
   a. 1 PERDAY
   b. Actual start: 01/01/00
   c. Actual completion: 05/02/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated. Updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1998-c0008

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2563]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COHASSET, MASSACHUSETTS
      COE COHASSET HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 12,400

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 DAYS
   b. Actual start: 01/07/00
   c. Actual completion: 02/24/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated. Updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1998-c0010

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2564]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. LYNN & REVERE, MA
      COE SAUGUS RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 31,300

7. Expected frequency of dumping (for reporting period):
   a. 1 / 3 DAYS
   b. Actual start: 09/09/00
   c. Actual completion: 11/25/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% SAND	6	0.0000000	6	54.000000	92.000000	82.330000
% SILT	6	0.0000000	6	8.000000	14.000000	11.170000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:

Site No. 2
Site Name: MASSACHUSETTS BAY DISPOSAL SITE
Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated. Updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

2000C0021.

% fines entered as "% silt".

Gravel varied from 0% to 33%, with a mean of 6.5%.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAO [DS= 2551]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHESAPEAKE BAY, VIRGINIA
      THIMBLE SHOAL CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,333,800

7. Expected frequency of dumping (for reporting period):
   a. INTERMITEN
   b. Actual start: 01/01/00
   c. Actual completion: 09/20/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 85
    Site Name: DAM NECK
    Geographical position: (NAD 1927)

    36E51'24.1" N 075E54'41.4" W 36E51'24.1" N 075E53'02.9" W
    36E46'27.4" N 075E51'39.2" W 36E46'27.5" N 075E54'19.0" W
    36E50'05.0" N 075E54'19.0" W
    Depth(ft): Low Depth- 30 High Depth- 40
    Nearest Distance from shore (nm): 3.3

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the mouth of Chesapeake Bay.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Chemical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

The actual 2000 dredging dates were:

1/1/2000 - 1/23/2000
6/22/2000 - 7/31/2000
8/13/2000 - 9/20/2000

19. Point of Contact: BETTY GREY WARING 757-441-7124

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAP [DS= 2510]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW JERSEY
      BARNEGAT INLET (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 103,100

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 08/15/00
   c. Actual completion: 09/23/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.210
    Site Name: BARNEGAT INLET
    Geographical position: (NAD 1983)

    39E45'08.7" N 74 E05'22.6" W 0EE'0' . " N 0E0E0"' . " W
    0EE'0' . " N 0E0E0"' . " W 0EE'0' . " N 0E0E0"' . " W
    0EE'0' . " N 0E0E0"' . " W
    Depth(ft): Low Depth- 25 High Depth- 40
    Nearest Distance from shore (nm): 1.0

General Comments About The Disposal Site

Updated by Greg Wacik, February 2000

Reference Site Location:
NO REFERENCE SITE HAS BEEN ENTERED

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Site Coordinates 3954 08.70805N, 7405 22.64600W

19. Point of Contact: GREGORY WACIK 215-656-6561

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAP [DS= 2511]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEW JERSEY
      MANASQUAN INLET (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 18,000

7. Expected frequency of dumping (for reporting period):
   a. DAILY
   b. Actual start: 11/07/00
   c. Actual completion: 11/15/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No. 96
      Site Name: MANASQUAN INLET
      Geographical position: (NAD 1927)

   40E06'36. " N 074E01'34. " W 40E06'19. " N 074E01'39.0" W
   40E06'18. " N 074E01'53. " W 40E06'41. " N 074E01'51. " W

      Depth(ft): Low Depth- 23 High Depth- 60
      Nearest Distance from shore (nm): 0.3

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material from Manasquan Inlet, New Jersey.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: GREGORY WACIK 215-656-6561

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAC [DS= 2524]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHARLESTON HARBOR, SOUTH CAROLINA
      CHARLESTON HARBOR DEEPENING PROJECT (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 7,034,300

7. Expected frequency of dumping (for reporting period):
   a. SEE NOTES
   b. Actual start: 12/15/99
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	9	0.0002600	2	0.000125	0.000260	0.000230
ANTIMONY	9	0.0002700	3	0.000270	0.000642	0.000380
BERYLLIUM	9	0.0002530	8	0.003050	0.000000	0.001780
MERCURY	9	0.0000120	7	0.000012	0.000211	0.000060
CADMIUM	9	0.0000100	9	0.000040	0.000260	0.000170
LEAD	9	0.0023800	9	0.000932	0.045900	0.021700
CHROMIUM	9	0.0023500	9	0.007800	0.105000	0.047000
COPPER	9	0.0048500	9	0.001350	0.033600	0.012600
NICKEL	9	0.0021700	8	0.000561	0.038700	0.014900
ZINC	9	0.0107000	8	0.010700	0.083200	0.043700
SELENIUM	9	0.0001500	4	0.000150	0.000580	0.000280
THALLIUM	9	0.0003200	9	0.000102	0.000804	0.000350

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	9	0.4040000	0	0.160000	0.310000	0.230000
CHLORDANE	9	30.0000000	0	30.000000	30.000000	30.000000
DIELDRIN	9	0.3960000	1	0.160000	1.100000	0.330000
ENDOSULFAN	9	0.6750000	0	0.270000	0.520000	0.440000
ENDOSULFAN SULFATE	9	0.6750000	0	0.270000	0.520000	0.390000
DDD	9	0.5000000	2	0.200000	2.170000	0.670000
DDE	9	0.2750000	4	0.110000	1.980000	0.790000
DDT	9	1.4100000	2	0.570000	1.800000	1.050000
ENDRIN	9	0.6750000	0	0.270000	0.520000	0.390000
ENDRIN ALDEHYDE	9	0.6750000	0	0.270000	0.520000	0.390000
HEPTACHLOR	9	0.1250000	0	0.050000	0.100000	0.070000
HEPTACHLOR EPOXIDE	9	0.5880000	0	0.240000	0.450000	0.340000
ALPHA-LINDANE	9	0.6750000	0	0.270000	0.510000	0.380000
BETA-LINDANE	9	0.6750000	0	0.270000	0.520000	0.390000
DELTA-LINDANE	9	0.6750000	1	0.270000	0.910000	0.460000
GAMMA-LINDANE	9	0.4160000	0	0.170000	0.320000	0.240000
TOXAPHENE	9	5.0000000	0	5.000000	5.000000	5.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1242	9	5.0000000	0	5.000000	5.000000	5.000000
AROCHLOR 1248	9	5.0000000	0	5.000000	5.000000	5.000000
AROCHLOR 1254	9	5.0000000	0	5.000000	5.000000	5.000000
AROCHLOR 1260	9	5.0000000	0	5.000000	5.000000	5.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	9	0.0000000	0	0.041700	1.488000	0.439600
NAPHTHALENE	9	0.0023600	9	0.005390	0.028900	0.011500
BENZO(A)ANTHRACENE	9	0.0009100	9	0.004250	0.146000	0.042300
BENZO(B)FLUORANTHENE	9	0.0016000	9	0.004490	0.140000	0.042000
ACENAPHTHYLENE	9	0.0021300	9	0.001850	0.002010	0.006300
CHRYSENE	9	0.0013700	9	0.002890	0.154000	0.043500
BENZO(K)FLUORANTHENE	9	0.0023200	7	0.003230	0.051500	0.017100
ACENAPHTHENE	9	0.0014100	6	0.001640	0.023200	0.007450
FLUORANTHENE	9	0.0016700	9	0.006250	0.331000	0.085700
BENZO(GHI)PERYLENE	9	0.0011600	9	0.002640	0.052700	0.016500
FLUORENE	9	0.0030600	6	0.003430	0.023100	0.008650
PYRENE	9	0.0014900	9	0.003440	0.251000	0.066400
ANTHRACENE	9	0.0045600	9	0.004690	0.040200	0.014900
BENZO(A)PYRENE	9	0.0020800	5	0.001790	0.080900	0.022800
INDENO(1,2,3-CD)PYRENE	9	0.0011600	9	0.002700	0.061800	0.019020
PHENANTHRENE	9	0.0042700	6	0.003860	0.068000	0.020300
DIBENZE(A,H)ANTHRACENE	9	0.0012400	6	0.001040	0.016000	0.005300

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	9	0.0004800	8	0.000480	0.001940	0.001200
DIBUTYLTIN	9	0.0005600	7	0.000560	0.011600	0.002800
MONOBUTYLTIN	9	0.0018200	7	0.001820	0.008020	0.005250

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	6	0.0000000	0	25.600000	75.600000	48.800000
TOTAL SOLIDS	3	0.0000000	0	33.000000	52.000000	45.300000
TOTAL ORGANIC CARBON	3	0.0000000	0	1.300000	3.600000	2.500000
% SAND	8	0.0000000	0	32.100000	92.100000	61.700000
% SILT	8	0.0000000	0	4.900000	29.100000	15.700000
% CLAY	8	0.0000000	0	2.100000	49.600000	21.900000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DIETHYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DIMETHYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DI-N-BUTYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DI-N-OCTYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000

ACID VOLATILES

2-CHLOROPHENOL	9	0.0670000	0	0.087000	0.160000	0.130000
2,4-DICHLOROPHENOL	9	0.1000000	0	0.130000	0.240000	0.188000
2,4-DIMETHYLPHENOL	9	0.1000000	0	0.130000	0.240000	0.188000
2,4-DINITROPHENOL	9	0.3300000	0	0.440000	0.820000	0.601000
2-NITROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000
4-NITROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000
PENTACHLOROPHENOL	9	0.1700000	0	0.000000	0.410000	0.316000
2,4,6-TRICHLOROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.0200000	2	0.020000	0.000000	0.000000
ANTIMONY	6	0.0300000	4	0.030000	0.054700	0.026200
BERYLLIUM	6	0.1000000	0	0.100000	0.000000	0.100000
MERCURY	6	0.0005000	0	0.000500	0.000500	0.000500
CADMIUM	6	0.0100000	0	0.010000	0.010000	0.010000
LEAD	6	0.0200000	0	0.020000	0.020000	0.020000
CHROMIUM	6	0.0400000	0	0.040000	0.040000	0.040000
COPPER	6	0.2000000	0	0.200000	0.200000	0.200000
NICKEL	6	0.1000000	0	0.100000	0.100000	0.100000
ZINC	6	0.0150000	0	0.015000	0.015000	0.015000
SELENIUM	6	0.0200000	5	0.020000	0.087800	0.044600
SILVER	6	0.2000000	0	0.200000	0.200000	0.200000
THALLIUM	6	0.0200000	0	0.020000	0.020000	0.020000
CYANIDE	6	0.0100000	0	0.010000	0.010000	0.010000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	6	0.0000500	0	0.000050	0.000050	0.000050
CHLORDANE	6	0.0005000	0	0.000500	0.000500	0.000500
DIELDRIN	6	0.0005000	0	0.000500	0.000500	0.000500
ENDOSULFAN	6	0.0001000	0	0.000100	0.000100	0.000100
ENDOSULFAN SULFATE	6	0.0001000	0	0.000100	0.000100	0.000100
DDD	6	0.0001000	0	0.000100	0.000100	0.000100
DDE	6	0.0001000	0	0.000100	0.000100	0.000100
DDT	6	0.0001000	0	0.000100	0.000100	0.000100
ENDRIN	6	0.0001000	0	0.000100	0.000100	0.000100
ENDRIN ALDEHYDE	6	0.0001000	0	0.000100	0.000100	0.000100
HEPTACHLOR	6	0.0000500	0	0.000050	0.000050	0.000050
HEPTACHLOR EPOXIDE	6	0.0000500	0	0.000050	0.000050	0.000050
ALPHA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
BETA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
DELTA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
GAMMA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
METHOXYCHLOR	6	0.0005000	0	0.000500	0.000500	0.000500
TOXAPHENE	6	0.0010000	0	0.001000	0.001000	0.001000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1221	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1232	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1242	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1254	6	0.0000000	0	0.000500	0.000500	0.000500
AROCHLOR 1260	6	0.0005000	0	0.000500	0.000500	0.000500

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(A)ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(B)FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
ACENAPHTHYLENE	6	0.0100000	0	0.010000	0.010000	0.010000
CHRYSENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(K)FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
ACENAPHTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(GHI)PERYLENE	6	0.0100000	0	0.010000	0.010000	0.010000
FLUORENE	6	0.0100000	0	0.010000	0.010000	0.010000
PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(A)PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
INDENO(1,2,3-CD)PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
PHENANTHRENE	6	0.0100000	0	0.010000	0.010000	0.010000
DIBENZE(A,H)ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DIETHYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DIMETHYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DI-N-BUTYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DI-N-OCTYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 65
Site Name: CHARLESTON
Geographical position: (NAD 1927)

32E40'27.0" N 079E47'22.0" W 32E39'04.0" N 079E44'25.0" W
32E38'07.0" N 079E45'03.0" W 32E39'30.0" N 079E48'00.0" W

Depth(ft): Low Depth- 36 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

This site replaced by the Charleston ODMDS which encompasses site. This site was de-designated on October 23, 1995. (Robin Socha 7/24/2000)

Reference Site Location:
Site No: 187
Site Name: GEORGETOWN HARBOR REFERENCE SITE

Geographical position (NAD 1927)

33E11'1.."" N 079E04'4.."" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a single point site.
Named by Robin Collier-Socha 5/2000

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Mysidopsis bahia
Menidia beryllina
Arbacia punctulata

16. Bioassay Solid Phase Information (Organisms Tested):
Rhepoxynius abronius
Nereis virens

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

1. For the deepening project, hoppers work full time during the dredging window (dec. 1 - Mar 31). Clamshell and scows work fulltime as long as funding is available.

2. The ODMDS is monitored based on needs related to disposal activity. We have a ODMDS task force composed of state and federal agencies that meets yearly to review work and decide what monitoring is needed. So far, over the last nine years, 1.5 bathymetric surveys have been conducted over the entire site. present survey is not complete. With smaller projects, the area of the ODMDS where material is disposed is surveyed following each dredging contract.

3. Some monitoring of the ODMDS began in 2000 based on the Charleston Deepening Project, but is not complete. It will probably be reported next year after all is completed.

19. Point of Contact: ROBIN COLLER-SOCHA 843-329-8167

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAC [DS= 2531]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHARLESTON HARBOR, SOUTH CAROLINA
      CHARLESTON HARBOR DEEPENING PROJECT (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 7,034,300

7. Expected frequency of dumping (for reporting period):
   a. SEE NOTES
   b. Actual start: 12/15/99
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	9	0.0002600	2	0.000125	0.000260	0.000230
ANTIMONY	9	0.0002700	3	0.000270	0.000642	0.000380
BERYLLIUM	9	0.0002530	8	0.003050	0.000000	0.001780
MERCURY	9	0.0000120	7	0.000012	0.000211	0.000060
CADMIUM	9	0.0000100	9	0.000040	0.000260	0.000170
LEAD	9	0.0023800	9	0.000932	0.045900	0.021700
CHROMIUM	9	0.0023500	9	0.007800	0.105000	0.047000
COPPER	9	0.0048500	9	0.001350	0.033600	0.012600
NICKEL	9	0.0021700	8	0.000561	0.038700	0.014900
ZINC	9	0.0107000	8	0.010700	0.083200	0.043700
SELENIUM	9	0.0001500	4	0.000150	0.000580	0.000280
THALLIUM	9	0.0003200	9	0.000102	0.000804	0.000350

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	9	0.4040000	0	0.160000	0.310000	0.230000
CHLORDANE	9	30.0000000	0	30.000000	30.000000	30.000000
DIELDRIN	9	0.3960000	1	0.160000	1.100000	0.330000
ENDOSULFAN	9	0.6750000	0	0.270000	0.520000	0.440000
ENDOSULFAN SULFATE	9	0.6750000	0	0.270000	0.520000	0.390000
DDD	9	0.5000000	2	0.200000	2.170000	0.670000
DDE	9	0.2750000	4	0.110000	1.980000	0.790000
DDT	9	1.4100000	2	0.570000	1.800000	1.050000
ENDRIN	9	0.6750000	0	0.270000	0.520000	0.390000
ENDRIN ALDEHYDE	9	0.6750000	0	0.270000	0.520000	0.390000
HEPTACHLOR	9	0.1250000	0	0.050000	0.100000	0.070000
HEPTACHLOR EPOXIDE	9	0.5880000	0	0.240000	0.450000	0.340000
ALPHA-LINDANE	9	0.6750000	0	0.270000	0.510000	0.380000
BETA-LINDANE	9	0.6750000	0	0.270000	0.520000	0.390000
DELTA-LINDANE	9	0.6750000	1	0.270000	0.910000	0.460000
GAMMA-LINDANE	9	0.4160000	0	0.170000	0.320000	0.240000
TOXAPHENE	9	5.0000000	0	5.000000	5.000000	5.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1242	9	5.0000000	0	5.000000	5.000000	5.000000
AROCHLOR 1248	5	0.0000000	0	5.000000	5.000000	5.000000
AROCHLOR 1254	9	0.0000000	5	5.000000	5.000000	5.000000
AROCHLOR 1260	9	5.0000000	0	5.000000	5.000000	5.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	9	0.0000000	0	0.041700	1.488000	0.439600
NAPHTHALENE	9	0.0023600	9	0.005390	0.028900	0.011500
BENZO(A)ANTHRACENE	9	0.0009100	9	0.004250	0.146000	0.042300
BENZO(B)FLUORANTHENE	9	0.0016000	9	0.004490	0.140000	0.042000
ACENAPHTHYLENE	9	0.0021300	9	0.001850	0.002010	0.006300
CHRYSENE	9	0.0013700	9	0.002890	0.154000	0.043500
BENZO(K)FLUORANTHENE	9	0.0023200	7	0.003230	0.051500	0.017100
ACENAPHTHENE	9	0.0014100	6	0.001640	0.023200	0.007450
FLUORANTHENE	9	0.0016700	9	0.006250	0.331000	0.085700
BENZO(GHI)PERYLENE	9	0.0011600	9	0.002640	0.052700	0.016500
FLUORENE	9	0.0030600	6	0.003430	0.023100	0.008650
PYRENE	9	0.0014900	9	0.003440	0.251000	0.066400
ANTHRACENE	9	0.0045600	9	0.004690	0.040200	0.014900
BENZO(A)PYRENE	9	0.0020800	5	0.001790	0.080900	0.022800
INDENO(1,2,3-CD)PYRENE	9	0.0011600	9	0.002700	0.061800	0.019020
PHENANTHRENE	9	0.0042700	6	0.003860	0.068000	0.020300
DIBENZE(A,H)ANTHRACENE	9	0.0012400	6	0.001040	0.016000	0.005300

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	9	0.0004800	8	0.000480	0.001940	0.001200
DIBUTYLTIN	9	0.0005600	7	0.000560	0.011600	0.002800
MONOBUTYLTIN	9	0.0018200	7	0.001820	0.008020	0.005250

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	6	0.0000000	0	25.600000	75.600000	48.800000
TOTAL SOLIDS	3	0.0000000	0	33.000000	52.000000	45.300000
TOTAL ORGANIC CARBON	3	0.0000000	0	1.300000	3.600000	2.500000
% SAND	8	0.0000000	0	32.100000	92.100000	61.700000
% SILT	8	0.0000000	0	4.900000	29.100000	15.700000
% CLAY	8	0.0000000	0	2.100000	49.600000	21.900000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DIETHYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DIMETHYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DI-N-BUTYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000
DI-N-OCTYL PHTHALATE	9	0.0330000	0	0.044000	0.082000	0.063000

ACID VOLATILES

2-CHLOROPHENOL	9	0.0670000	0	0.087000	0.160000	0.130000
2,4-DICHLOROPHENOL	9	0.1000000	0	0.130000	0.240000	0.188000
2,4-DIMETHYLPHENOL	9	0.1000000	0	0.130000	0.240000	0.188000
2,4-DINITROPHENOL	9	0.3300000	0	0.440000	0.820000	0.601000
2-NITROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000
4-NITROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000
PENTACHLOROPHENOL	9	0.1700000	0	0.000000	0.410000	0.316000
2,4,6-TRICHLOROPHENOL	9	0.1700000	0	0.220000	0.410000	0.316000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.0200000	2	0.020000	0.000000	0.000000
ANTIMONY	6	0.0300000	4	0.030000	0.054700	0.026200
BERYLLIUM	6	0.1000000	0	0.100000	0.000000	0.100000
MERCURY	6	0.0005000	0	0.000500	0.000500	0.000500
CADMIUM	6	0.0100000	0	0.010000	0.010000	0.010000
LEAD	6	0.0200000	0	0.020000	0.020000	0.020000
CHROMIUM	6	0.0400000	0	0.040000	0.040000	0.040000
COPPER	6	0.2000000	0	0.200000	0.200000	0.200000
NICKEL	6	0.1000000	0	0.100000	0.100000	0.100000
ZINC	6	0.0150000	0	0.015000	0.015000	0.015000
SELENIUM	6	0.0200000	5	0.020000	0.087800	0.044600
SILVER	6	0.2000000	0	0.200000	0.200000	0.200000
THALLIUM	6	0.0200000	0	0.020000	0.020000	0.020000
CYANIDE	6	0.0100000	0	0.010000	0.010000	0.010000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	6	0.0000500	0	0.000050	0.000050	0.000050
CHLORDANE	6	0.0005000	0	0.000500	0.000500	0.000500
DIELDRIN	6	0.0005000	0	0.000500	0.000500	0.000500
ENDOSULFAN	6	0.0001000	0	0.000100	0.000100	0.000100
ENDOSULFAN SULFATE	6	0.0001000	0	0.000100	0.000100	0.000100
DDD	6	0.0001000	0	0.000100	0.000100	0.000100
DDE	6	0.0001000	0	0.000100	0.000100	0.000100
DDT	6	0.0001000	0	0.000100	0.000100	0.000100
ENDRIN	6	0.0001000	0	0.000100	0.000100	0.000100
ENDRIN ALDEHYDE	6	0.0001000	0	0.000100	0.000100	0.000100
HEPTACHLOR	6	0.0000500	0	0.000050	0.000050	0.000050
HEPTACHLOR EPOXIDE	6	0.0000500	0	0.000050	0.000050	0.000050
ALPHA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
BETA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
DELTA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
GAMMA-LINDANE	6	0.0000500	0	0.000050	0.000050	0.000050
METHOXYCHLOR	6	0.0005000	0	0.000500	0.000500	0.000500
TOXAPHENE	6	0.0010000	0	0.001000	0.001000	0.001000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1221	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1232	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1242	6	0.0005000	0	0.000500	0.000500	0.000500
AROCHLOR 1254	6	0.0000000	0	0.000500	0.000500	0.000500
AROCHLOR 1260	6	0.0005000	0	0.000500	0.000500	0.000500

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(A)ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(B)FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
ACENAPHTHYLENE	6	0.0100000	0	0.010000	0.010000	0.010000
CHRYSENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(K)FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
ACENAPHTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
FLUORANTHENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(GHI)PERYLENE	6	0.0100000	0	0.010000	0.010000	0.010000
FLUORENE	6	0.0100000	0	0.010000	0.010000	0.010000
PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000
BENZO(A)PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
INDENO(1,2,3-CD)PYRENE	6	0.0100000	0	0.010000	0.010000	0.010000
PHENANTHRENE	6	0.0100000	0	0.010000	0.010000	0.010000
DIBENZE(A,H)ANTHRACENE	6	0.0100000	0	0.010000	0.010000	0.010000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DIETHYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DIMETHYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DI-N-BUTYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000
DI-N-OCTYL PHTHALATE	6	0.0100000	0	0.010000	0.010000	0.010000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 65
Site Name: CHARLESTON
Geographical position: (NAD 1927)

32E40'27.0" N 079E47'22.0" W 32E39'04.0" N 079E44'25.0" W
32E38'07.0" N 079E45'03.0" W 32E39'30.0" N 079E48'00.0" W

Depth(ft): Low Depth- 36 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

This site replaced by the Charleston ODMDS which encompasses this site. This site was de-designated on October 23, 1995. (Robin Socha 7/24/2000)

Reference Site Location:
Site No: 187
Site Name: GEORGETOWN HARBOR REFERENCE SITE

Geographical position (NAD 1927)

33E11'1.."" N 079E04'4.."" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a single point site.
Named by Robin Collier-Socha 5/2000

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Mysidopsis bahia
Menidia beryllina
Arbacia punctulata

16. Bioassay Solid Phase Information (Organisms Tested):
Rhepoxynius abronius
Nereis virens

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

1. For the deepening project, hoppers work full time during the dredging window (dec. 1 - Mar 31). Clamshell and scows work fulltime as long as funding is available.

2. The ODMDS is monitored based on needs related to disposal activity. We have a ODMDS task force composed of state and federal agencies that meets yearly to review work and decide what monitoring is needed. So far, over the last nine years, 1.5 bathymetric surveys have been conducted over the entire site. The present survey is not complete. With smaller projects, the area of the ODMDS where material is disposed is surveyed following each dredging contract.

3. Some monitoring of the ODMDS began in 2000 based on the Charleston Deepening Project, but is not complete. It probably be reported next year after all is completed.

4. Aroclors 1248 & 1254 DL is 0.0005 ppm. For some reason, table will not accept the figures.

19. Point of Contact: ROBIN COLLER-SOCHA 843-329-8167

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2525]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOREHEAD CITY, NC
      MOREHEAD CITY HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 45,100

7. Expected frequency of dumping (for reporting period):
   a. 4L/D,7D/WK
   b. Actual start: 01/02/00
   c. Actual completion: 03/11/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.164
    Site Name: MOREHEAD CITY 1986 -
    Geographical position: (NAD 1927)

    34E38'30.0" N 076E45'00.0" W 34E38'30.0" N 076E41'42.0" W
    34E38'09.0" N 076E41'00.0" W 34E36'00.0" N 076E41'00.0" W
    34E36'00.0" N 076E45'00.0" W
    Depth(ft): Low Depth- 39 High Depth- 43
    Nearest Distance from shore (nm): 6.2

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Morehead City Harbor, North Carolina area. All material disposed must satisfy the requirements of the ocean dumping regulations. Final Designation 09/14/1987

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Most of the dredged material was placed in a nearshore disposal zone, however, some was placed in the Morehead City ODMDS. Dredges Sugar Island and Northerly Island performed this work.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2526]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WILMINGTON, NORTH CAROLINA
      WILMINGTON HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 393,800

7. Expected frequency of dumping (for reporting period):
   a. 9L/D,7D/WK
   b. Actual start: 02/04/00
   c. Actual completion: 03/10/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

Depth(ft): Low Depth- 43 High Depth- 0
Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundaries of the old Wilmington Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 196
Site Name: WHREF

Geographical position (NAD 1927)

33E46'52.7" N 078E03'26.5" W 33E46'26.2"N 078E02'53.6" W
33E45'47.0" N 078E03'37.3" W 33E46'14.4"N 078E04'11.3" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 3.5

General Comments About The Reference Site
added by Jenny Owens, 10/23/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredge Dodge Island performed this work.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2527]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WILMINGTON, NORTH CAROLINA
      WILMINGTON HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 751,600

7. Expected frequency of dumping (for reporting period):
   a. 18L/D,7D/W
   b. Actual start: 12/13/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

    Depth(ft): Low Depth- 43 High Depth- 0
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundaries of the old Wilmington Harbor Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 196
Site Name: WHREF

Geographical position (NAD 1927)

33E46'52.7" N 078E03'26.5" W 33E46'26.2"N 078E02'53.6" W
33E45'47.0" N 078E03'37.3" W 33E46'14.4"N 078E04'11.3" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 3.5

General Comments About The Reference Site
added by Jenny Owens, 10/23/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Dredges Manhattan Island and Padre Island performed this work.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2529]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WILMINGTON, NORTH CAROLINA
      WILMINGTON HARBOR DEEPENING (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 48,200

7. Expected frequency of dumping (for reporting period):
   a. 2L/D,7D/WK
   b. Actual start: 12/05/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

    33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
    33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

    Depth(ft): Low Depth- 43 High Depth- 0
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundaries of the old Wilmington Harbor Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Work done by dredge New York.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2530]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WILMINGTON, NORTH CAROLINA
      WILMINGTON HARBOR DEEPENING (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 223,600

7. Expected frequency of dumping (for reporting period):
   a. 4L/D,7D/WK
   b. Actual start: 09/26/00
   c. Actual completion: 10/15/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

    33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
    33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

    Depth(ft): Low Depth- 43 High Depth- 0
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to the dredged material from Wilmington Harbor area.
This site is inside the boundaries of the old Wilmington Harbor Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Work done by dredge Illinois and scows Alexadra, Ranger, Atlantic Dawn and Lemmerhirt.

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAS [DS= 2549]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CHATHAM COUNTY, GEORGIA
      SAVANNAH HARBOR NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 978,600

7. Expected frequency of dumping (for reporting period):
   a. 7.6 LDS/DY
   b. Actual start: 01/31/00
   c. Actual completion: 03/04/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 64
    Site Name: SAVANNAH
    Geographical position: (NAD 1927)

    31E55'53.0" N 080E44'20.0" W 31E57'55.0" N 080E46'48.0" W
    31E57'55.0" N 080E44'20.0" W 31E55'53.0" N 080E46'48.0" W

    Depth(ft): Low Depth- 26 High Depth- 37
    Nearest Distance from shore (nm): 4.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Savannah Harbor area.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: JAMES CALVER 912-652-5797

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAS [DS= 2550]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. GLYNN COUNTY, GEORGIA
      BRUNSWICK HARBOR NAVIGATION PROJECT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,018,400

7. Expected frequency of dumping (for reporting period):
   a. 7.2 LDS/DY
   b. Actual start: 12/15/99
   c. Actual completion: 01/31/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No. 64
      Site Name: SAVANNAH
      Geographical position: (NAD 1927)

   31E55'53.0" N 080E44'20.0" W 31E57'55.0" N 080E46'48.0" W
   31E57'55.0" N 080E44'20.0" W 31E55'53.0" N 080E46'48.0" W

      Depth(ft): Low Depth- 26 High Depth- 37
      Nearest Distance from shore (nm): 4.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Savannah Harbor area.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: JAMES CALVER 912-652-5797

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAJ [DS= 2576]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FLORIDA
      MAYPORT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 647,800

7. Expected frequency of dumping (for reporting period):
   a. INTERMITEN
   b. Actual start: 12/01/99
   c. Actual completion: 05/31/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 59
    Site Name: JACKSONVILLE
    Geographical position: (NAD 1927)

30E21'30.0" N 081E18'34.0" W 30E21'30.0" N 081E17'26.0" W
30E20'30.0" N 081E17'26.0" W 30E20'30.0" N 081E18'34.0" W

    Depth(ft): Low Depth- 39 High Depth- 53
    Nearest Distance from shore (nm): 5.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Jacksonville, Florida, area.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Contract No. 99C 0070
Dredge Northerly Island

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAJ [DS= 2577]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SAN JUAN, PR
      SAN JUAN HARBOR DEEPENING (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      PIPELINE DISCHARGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,806,900

7. Expected frequency of dumping (for reporting period):
   a. INTERMITEN
   b. Actual start: 10/01/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
    PIPE BELOW WATER SURFACE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 84
Site Name: SAN JUAN HARBOR
Geographical position: (NAD 1927)

18E30'10.0" N 066E09'31.0" W 18E30'10.0" N 066E08'29.0" W
18E31'10.0" N 066E08'29.0" W 18E31'10.0" N 066E09'31.0" W

Depth(ft): Low Depth- 656 High Depth- 1312
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Port of San Juan, Puerto Rico, and coastal areas within 20 miles of said port entrance.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Contract No. 99C 0060
Dredges Manhatten (Hopper), Alaska (Hydraulic), Dodge Island (Hopper) and #53 (clamshell)

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAJ [DS= 2578]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FLORIDA
      KING'S BAY (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 802,300

7. Expected frequency of dumping (for reporting period):
   a. INTERMITEN
   b. Actual start: 01/01/00
   c. Actual completion: 03/30/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 62
    Site Name: FERNANDINA BEACH
    Geographical position: (NAD 1927)

30E42'00.0" N 081E19'05.0" W 30E41'00.0" N 081E17'55.0" W
30E42'00.0" N 081E17'55.0" W 30E41'00.0" N 081E19'05.0" W

    Depth(ft): Low Depth- 45 High Depth- 63
    Nearest Distance from shore (nm): 6.2

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material which meets the criteria given in the Ocean Dumping Regulations in 40 CFR part 227.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Contract No. 00C0001
Dredge Bayport

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAJ [DS= 2579]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CAPE CANVERAL, FL
      CANAVERAL HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 193,500

7. Expected frequency of dumping (for reporting period):
   a. INTERMITEN
   b. Actual start: 08/01/00
   c. Actual completion: 10/01/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 6
    Site Name: CANAVERAL HARBOR
    Geographical position: (NAD 1927)

28E19'53.0" N 080E31'08.0" W 28E18'50.0" N 080E29'40.0" W
28E17'35.0" N 080E30'52.0" W 28E18'38.0" N 080E32'20.0" W

    Depth(ft): Low Depth- 47 High Depth- 55
    Nearest Distance from shore (nm): 4.8

General Comments About The Disposal Site

Restriction: Disposal shall be limited to suitable dredged material from the greater Canaveral, Florida, vicinity.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Contract No. 00 C0010
Dredge #54

19. Point of Contact: GLENN SCHUSTER 904-232-3691

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAM [DS= 2536]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE
      MOBILE HARBOR MAINTENANCE, B&B DREDGING "COLUMBUS" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,687,200

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/01/00
   c. Actual completion: 05/06/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No.172
      Site Name: MOBILE NORTH (1987---)
      Geographical position: (NAD 1927)

      30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
      30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
      30E09'36.0" N 088E04'48.0" W
         Depth(ft): Low Depth- 20 High Depth- 58
         Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAM [DS= 2537]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE BAY
      MOBILE HARBOR MAINTENANCE, BEAN STUYVESANT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 2,260,500

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 04/28/00
   c. Actual completion: 07/26/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.172
Site Name: MOBILE NORTH (1987---)
Geographical position: (NAD 1927)

30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
30E09'36.0" N 088E04'48.0" W
Depth(ft): Low Depth- 20 High Depth- 58
Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAM [DS= 2538]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOBILE BAY
      MOBILE BAY MAINTENANCE, B&B DREDGING " COLUMBIA" (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 572,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/08/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR
   Material was EXCLUDED from testing

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.172
Site Name: MOBILE NORTH (1987---)
Geographical position: (NAD 1927)

30E11'18.0" N 088E21'18.0" W 30E08'30.0" N 088E19'42.0" W
30E13'00.0" N 088E08'48.0" W 30E08'30.0" N 088E05'48.0" W
30E09'36.0" N 088E04'48.0" W
Depth(ft): Low Depth- 20 High Depth- 58
Nearest Distance from shore (nm): 2.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAM [DS= 2539]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PASCAGOULA HARBOR
      PHASE II PASCAGOULA HBR MAINTENANCE, BEAN STUYVESANT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 5,551,900

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/01/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

   CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
    DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.173
    Site Name: PASCAGOULA (1992 ---)
    Geographical position: (NAD 1927)

    30E12'06.0" N 088E44'30.0" W 30E11'42.0" N 088E33'24.0" W
    30E08'30.0" N 088E37'00.0" W 30E08'18.0" N 088E41'54.0" W

    Depth(ft): Low Depth- 39 High Depth- 53
    Nearest Distance from shore (nm): 2.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to suitable material from the Mississippi Sound and vicinity.

Reference Site Location:
Site No: 194
Site Name: GRAND BAY REFERENCE SITE

Geographical position (NAD 19?)

30E 23' 11. N 088 E 20' 43 W
Depth (ft): Low Depth- 5 High Depth- 0
Nearest Distance from shore (nm): 0.9

General Comments About The Reference Reference site for Mobile and Pascagoula projects. Added by Susan Rees, 10/21/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAM [DS= 2540]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. PASCAGOULA HARBOR
      BAYOU CASOTTE EXTENSION, BEAN STUYVESANT (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE
      DUMP SCOW OR BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 298,200

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 11/06/00
   c. Actual completion: 12/31/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
LEAD	5	0.0900000	5	16.900000	163.000000	74.500000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE
    DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.173
Site Name: PASCAGOULA (1992 ---)
Geographical position: (NAD 1927)

30E12'06.0" N 088E44'30.0" W 30E11'42.0" N 088E33'24.0" W
30E08'30.0" N 088E37'00.0" W 30E08'18.0" N 088E41'54.0" W

Depth(ft): Low Depth- 39 High Depth- 53
Nearest Distance from shore (nm): 2.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to suitable material from the Mississippi Sound and vicinity.

Reference Site Location:
Site No: 194
Site Name: GRAND BAY REFERENCE SITE

Geographical position (NAD 19?)

30E 23' 11. N 088 E 20' 43 W
Depth (ft): Low Depth- 5 High Depth- 0
Nearest Distance from shore (nm): 0.9

General Comments About The Reference
Reference site for Mobile and Pascagoula projects. Added by Susan Rees, 10/21/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: LARRY PARSON 334-690-3139

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: MVN [DS= 2532]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ATCHAFALAYA RIVER BAR CHANNEL, ST. MARY PARISH, LOUISIANA
   ATCHAFALAYA RIVER AND BAYOUS CHENE, BOEUF AND BLACK, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: MECHANICAL DREDGE
   b. Mode of transportation: PIPELINE DISCHARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 8,219,400

7. Expected frequency of dumping (for reporting period):
   a. 24HR/7DAY
   b. Actual start: 06/26/00
   c. Actual completion: 08/18/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
LEAD	16	0.1000000	16	3.380000	6.050000	4.803800
CHROMIUM	16	0.1000000	16	19.100000	48.000000	29.600000
COPPER	16	0.1000000	16	15.000000	35.900000	21.225000
NICKEL	16	0.1000000	16	21.700000	48.900000	29.743800
ZINC	16	0.1000000	16	66.500000	176.000000	94.656300

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	16	0.1000000	0	0.100000	0.100000	0.050000
% SAND	16	1.0000000	16	3.000000	45.200000	13.075000
% SILT	16	1.0000000	16	22.100000	62.100000	39.793600
% CLAY	16	1.0000000	16	25.600000	66.800000	47.131300

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
LEAD	16	0.0010000	4	0.000100	0.005280	0.001100
CHROMIUM	16	0.0010000	4	0.000100	0.001810	0.000700
COPPER	16	0.0010000	11	0.001000	0.007300	0.002300
ZINC	16	0.0010000	10	0.000100	0.026000	2.131200

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: PIPE ABOVE WATER SURFACE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.117
    Site Name: ATCHAFALAYA RIVER, BAR CHANNEL
    Geographical position: (NAD 1927)

    29E21'24.92 N 091E23'11.0" W 29E21'08.86 N 091E22'47.47 W
    29E07'59.43 N 091E34'27.51 W 29E08'15.46 N 091E34'51.02 W

    Depth(ft): Low Depth- 5 High Depth- 23
    Nearest Distance from shore (nm): 7.0

Reference Site Location:
Site No: 215
Site Name: ATCHAFALAYA RIVER COMPOSITE REFERENCE

Geographical position (NAD 1927)

29E7 '0" N 91 E31'30." W 29E8 '0" N 91 E29'0" W
29E9 '0" N 91 E27'0" W 0E0'0" N 0E0'0" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a composite site from former reference sites #149, 150, and 151. All three locations are sampled and a single composite reference sample is analyzed.
Site 2 coordinates = 29*09'00" N, 91*27'00" W
Site 3 coordinates = 29*07'00" N, 91*31'30" W

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Palaemonetes pugio
Nereis virens

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Reference Sites 149, 150, and 151 constiute the Refrence for the Atchafalaya bar channel ocean dredged material disposal site. Each sites is sampled and composited to make the area sample.
2. Physical, chemical and biological tests (benthic toxicity bioassays) were done for the Atchafalaya bar channel in accordance with the RIA and the Green Book in December, 1996.

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: MVN [DS= 2533]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MISSISSIPPI RIVER, SOUTHWEST PASS, PLAQUEMINES PARISH, LA
      MISSISSIPPI RIVER, BATON ROUGE TO THE GULF OF MEXICO, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 897,500

7. Expected frequency of dumping (for reporting period):
   a. AS NEEDED
   b. Actual start: 03/21/00
   c. Actual completion: 09/14/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.0500000	6	6.630000	8.250000	7.086600
MERCURY	6	0.0014000	6	0.049900	0.071500	0.055360
CADMIUM	6	0.0040000	6	0.366000	0.454000	0.406600
LEAD	6	0.0900000	6	19.300000	21.700000	20.000000
CHROMIUM	6	0.0400000	6	38.200000	41.400000	39.200000
COPPER	6	0.0900000	6	16.200000	17.900000	17.050000
NICKEL	6	0.1600000	6	22.200000	24.200000	23.016600
ZINC	6	0.3700000	6	78.500000	82.700000	80.666666
SELENIUM	6	0.2390000	5	0.119500	0.395000	0.310083
SILVER	6	0.0030000	6	0.107000	0.122000	0.115500

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	6	0.0000000	2	0.008120	0.008630	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	6	0.0000000	6	0.430000	0.994000	0.665000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	6	0.1000000	6	20.000000	29.000000	25.666666
% TOTAL VOLATILE SOLIDS	6	0.0100000	6	1.420000	5.690000	4.551666
TOTAL SOLIDS	1	0.0000000	6	47.700000	51.000000	49.316666
TOTAL ORGANIC CARBON	6	0.0100000	6	1.060000	1.700000	1.310000
TOTAL SULFIDES	6	0.0500000	6	4.900000	42.000000	25.483333
% SAND	6	0.0000000	6	6.740000	17.100000	11.460000
% SILT	6	0.0000000	6	52.600000	65.100000	59.030000
% CLAY	6	0.0000000	6	28.200000	30.400000	29.500000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	6	0.0100000	0	0.010000	0.010000	0.010000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.1000000	6	1.930000	4.120000	3.063000
MERCURY	6	0.0000480	6	0.000762	0.003270	0.001747
CADMIUM	6	0.3000000	1	0.021000	0.055600	0.002270
LEAD	6	0.0100000	6	0.156000	0.464000	0.289300
CHROMIUM	6	0.0900000	5	0.031000	0.186000	0.123000
COPPER	6	0.0300000	6	0.397000	1.380000	0.833500
NICKEL	6	0.0060000	6	2.490000	5.250000	3.333333
ZINC	6	0.0800000	6	0.327000	1.410000	0.818160
SELENIUM	6	0.3000000	1	0.100000	0.300000	0.175000
SILVER	6	0.0300000	2	0.037000	0.393000	0.271666

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	6	0.0000000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	6	0.0000000	6	0.000031	0.000522	0.000289

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	6	10.0000000	1	5.000000	10.000000	7.333333

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 92
    Site Name: MISSISSIPPI RIVER SOUTHWEST PASS
    Geographical position: (NAD 1927)

    28E54'12.0" N 089E27'15.0" W 28E54'12.0" N 089E26'00.0" W
    28E51'00.0" N 089E27'15.0" W 28E51'00.0" N 089E26'00.0" W

    Depth(ft): Low Depth- 9 High Depth- 106
    Nearest Distance from shore (nm): 17.5

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material from the vicinity of the Southwest Pass Channel.

Reference Site Location:
Site No: 214
Site Name: MS. RIVER SOUTHWEST PASS COMPOSITE REFERENCE

Geographical position (NAD 1983)

28E53'58."" N 89 E25'31."" W 28E53'45.""N 89 E25'09."" W
28E53'13."" N 89 E25'28."" W 28E53'11.""N 89 E24'49."" W
0EE'0' . " N 0E0E0"' . " W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
These are 4 separate sites. Each one is sampled and a single composite reference sample is created. Agreed to by EPA Region 6 and MVN on March 13, 1997. This combines former references sites: 137,138,139, and 192.

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia
Nereis virens

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

1. 00-C-0051 Lsd Hopper #4-00 465,647 CY ocean disposal 353,720 CY Pass-a-Loutre
00-C-0072 Lsd Hopper #5-00 53,181 CY ocean disposal 1,304,404 CY Pass-a-Loutre
WHEELER Govt. Hopper 654,927 CY ocean disposal 1,049,496 CY Pass-a-Loutre
2. On March 13, 1997, the EPA, Region 6 and the NOD selected following sites for the Reference Area for the Mississippi River Southwest Pass ocean dredged material disposal site: 28* 53' 58"N, 89* 25' 31"W 28* 53' 45"N, 89* 25' 09"W 28* 53' 13"N, 89* 25' 28"W 28* 53' 11"N, 89* 24' 49"W Each site is sampled and the samples are composited to make a Reference Area sample. Request that Reference Sites 137, 138, 139, and 192 on the Reference Site Screen be corrected to reflect this change.

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: MVN [DS= 2534]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MISSISSIPPI RIVER-GULF OUTLET, ST. BERNARD PARISH, LA
      MISSISSIPPI RIVER - GULF OUTLET, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,299,800

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: / /
   c. Actual completion: / /

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
MERCURY	7	0.0200000	0	0.010000	0.100000	0.100000
LEAD	7	0.1000000	7	2.200000	4.760000	3.798500
CHROMIUM	7	0.1000000	7	4.500000	11.210000	7.910000
COPPER	7	0.1000000	7	2.240000	8.650000	5.130000
NICKEL	7	0.1000000	7	6.060000	10.980000	8.747000
ZINC	7	0.1000000	7	18.890000	39.270000	28.561000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	7	0.1000000	7	0.190000	0.510000	0.530000
% TOTAL VOLATILE SOLIDS	7	0.0100000	7	1.550000	3.930000	2.265700
TOTAL SOLIDS	7	0.0000000	7	58.670000	74.620000	68.720000
TOTAL SULFIDES	7	0.1000000	7	0.050000	0.050000	0.050000
% SAND	7	0.0000000	7	6.700000	87.600000	32.700000
% SILT	7	0.0000000	7	8.400000	79.100000	56.957100
% CLAY	7	0.0000000	7	4.000000	18.200000	10.340000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	7	1.0000000	7	9.300000	16.750000	12.228570

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.110
    Site Name: MISS. RIVER - GULF OUTLET, BAR CHANNEL
    Geographical position: (NAD 1927)

    29E32'35.0" N 089E12'38.0" W 29E29'21.0" N 089E08'00.0" W
    29E24'51.0" N 088E59'23.0" W 29E24'28.0" N 089E59'39.0" W
    29E28'59.0" N 089E08'19.0" W
    Depth(ft): Low Depth- 20 High Depth- 40
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material the vicinity of Mississippi River Gulf Outlet.

Reference Site Location:
Site No: 217
Site Name: MS RIVER - GULF OUTLET COMPOSITE REFERENCE

Geographical position (NAD 1927)

29E23'00."" N 88 E54'30."" W 29E22'00.""N 88 E56'30."" W
29E24'30."" N 88 E52'30."" W 0EE'0' . "N 0E0E0"' . " W
0EE'0' . " N 0E0E0"' . " W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a composite site from former reference sites #134, 135, and 136. All three locations are sampled and a single composite reference sample is analyzed.

Site 2 = 29*22'00" N, 88*56'30" W
Site 3 = 29*25'30" N, 88*52'30" W

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Nereis virens

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Reference Sites 134, 135, and 136 constitute the Reference Area for the MR-GO bar channel ocean dredged material disposal site. Each site is sampled and the samples are composited to make one sample from the Reference Area.

2. WHEELER Govt. Hopper Dredge 475,046 CY into ocean dredged material disposal site

MCFARLAND Govt. Hopper Dredge 1,295,284 CY into ocean dredged material disposal site

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: MVN [DS= 2535]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CALCASIEU RIVER BAR CHANNEL, CAMERON PARISH, LA
      CALCASIEU RIVER AND PASS, LA (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 2,105,700

7. Expected frequency of dumping (for reporting period):
   a. SEE NOTES
   b. Actual start: 01/01/00
   c. Actual completion: 11/10/00

8. Composition of the dredged material.

   Chemical Data For This Dredging Project
   (ug/g or ppm unless otherwise indicated)

   (Not Known if data calculated on a Wet or Dry Basis)

   Sediment Chemical Characteristics

   Chemical Data For This Dredging Project
   (ug/g or ppm unless otherwise indicated)

   Elutriate Test Chemical Data

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 82
Site Name: CALCASIEU RIVER, BAR CHANNEL 2
Geographical position: (NAD 1927)

29E44'31.0" N 093E20'43.0" W 29E39'45.0" N 093E19'56.0" W
29E39'34.0" N 093E20'46.0" W 29E44'25.0" N 093E21'33.0" W

Depth(ft): Low Depth- 7 High Depth- 36
Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the vicinity of the Calcasieu River and Pass Project.
Site No. 83
Site Name: CALCASIEU RIVER, BAR CHANNEL 3
Geographical position: (NAD 1927)

29E37'50.0" N 093E19'37.0" W 29E37'25.0" N 093E19'33.0" W
29E33'55.0" N 093E16'23.0" W 29E33'49.0" N 093E16'25.0" W
29E30'59.0" N 093E13'51.0" W
Depth(ft): Low Depth- 36 High Depth- 46
Nearest Distance from shore (nm): 12.8

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the vicinity of the Calcasieu River and Pass Project.
Additional corners:
29 deg.29'10"N.,93 deg.13'49"W.;
29 deg.29'05"N., 93 deg.14'23"W.;
29 deg.30'49"N.,93 deg.14'25"W.;
29 deg.37'26"N., 93 deg.20'24"W.;
29 deg.37'44"N.,93 deg.20'27"W.

Reference Site Location:
Site No: 216
Site Name: CALCASIEU RIVER COMPOSITE REFERENCE

Geographical position (NAD 1927)

29E30'0". " N 93 E10'18."" W 29E30'51.""N 93 E10'0". " W
29E30'0". " N 93 E9 '27."" W 0EE'0' . "N 0E0E0"' . " W
0EE'0' . " N 0E0E0"' . " W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site

This is a composite site from former reference sites #158, 159, and 160. All three locations are sampled and a single composite reference sample is analyzed.

In addition to above coordinates:
Site 2 = 29*30'00" N, 93*10'18" W
Site 3 = 29*30'00" N, 93*10'30" W
29*30'85" N, 93*10'00" W
29*30'00: N, 93*09'45" W

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1. Dredging during 2000 with disposal at the ocean dredged material disposal site included routine maintenance of the bar channel (Mile -1.7 and Mile -32.0) and emergency construction of a by-pass channel between Mile 22.25 and Mile 23.25. The was done by multiple hopper dredges as follows:

a. ATCHAFALAYA, contract hopper dredge (DACW29-00-C-0016 dredged in the bar channel from 1 January 2000 to 19 February 2000 and then went to the shipyard. The dredge removed 1,244,374 CY by agitation and hauled 64,615 CY to the ocean disposal site.

b. ATCHAFALAYA returned to the bar channel on14 March 2000 and dredged to 16 May 2000. The dredge removed 2,096,500 by agitation and hauled 98,280 CY to the ocean disposal ite.

c. COLUMBIA, contract hopper dredge, dredged in the channel from 16 May 2000 to 16 June 2000. The dredge removed 1,015,679 CY by agitation and hauled 158,000 CY to the ocean disposal site.

d. COLUMBIA moved to the emergency dredging reach from 17 June 2000 to 4 July 2000 and hauled 142,938 CY to the ocean disposal site.

e. COLUMBIA and ATCHAFALAYA dredged in the bar channel 4 July 2000 to 27 July 2000. The dredges removed 1,458,915 CY by agitation and hauled 124,795 CY to the ocean disposal site.

f. BAYPORT and NEWPORT, contract hopper dredges, dredged in the emergency dredging reach from 1 July 2000 to 15 July 2000. The BAYPORT hauled 167,406 CY to the ocean disposal site. The NEWPORT hauled 143,066 CY to the ocean disposal site.

g. LINDHOLM, contract hopper dredge, dredged in the bar channel from 7 October 2000 to 10 November 2000. The dredge removed 6,096,149 CY by agitation and hauled 80,105 CY to the ocean disposal site.

g. WHEELER, govt. hopper dredge, dredged in the emergency dredging reach from 16 June 2000 to 9 July 2000. The dredge hauled 1,774,667 to the ocean disposal site.

2. Total CY of dredged material "hauled" to CALCASIEU RIVER, CHANNEL 2 ocean disposal site during 2000: 979,305 CY.

Total CY of dredged material dredged by agitation in the vicinity of CALCASIEU RIVER, BAR CHANNEL 2 ocean disposal site during 2000: 11,911,617 CY

Total CY of dredged material "hauled: to CALCASIEU RIVER, BAR CHANNEL 3 ocean disposal site during 2000: 1,774,667 CY.

3. Reference Sites 158, 159, and 160 constitute the Reference Area for the Calcasieu River Bar Channel ocean dredged material disposal site. Each site is sampled and the samples are composited to make a single reference sample.

4. Bathymetry of the ocean dredged material disposal sites is done pre- and post-disposal.

19. Point of Contact: LINDA MATHIES 504-862-2318

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SWG [DS= 2504]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HOUSTON-GALVESTON NAVIGATION CH., TEXAS
      JETTY AND ENTRANCE CHANNELS (New Work)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      CLUMPED or COHESIVE

6. Total quantity (cubic meters): 1,860,000

7. Expected frequency of dumping (for reporting period):
   a. 12/D;7D/WK
   b. Actual start: 01/01/00
   c. Actual completion: 03/04/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
      Site No.999
      Site Name: CORRECT DISPOSAL SITE NOT IN DATABASE

   Reference Site Location:
      Site No: 170
      Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
      Selective Disposal was used
      No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

All dredged material was used beneficially to construct a nearshore berm/fishery habitat in the Gulf of Mexico. The volume is included in both disposal and non-disposal and should not be added together to give the total volume disposed. The correct total volume is 2,432,700 cu yds.

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SWG [DS= 2505]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FREEPORT HARBOR, TEXAS
      ENTRANCE AND JETTY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 259,000

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7D/WK
   b. Actual start: 01/01/00
   c. Actual completion: 01/10/00

8. Composition of the dredged material.

   CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 0

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.162
    Site Name: FREEPORT HARBOR MAINTENANCE
    Geographical position: (NAD 1927)

    28E54'00.0" N 095E15'49.0" W 28E53'28.0" N 095E15'16.0" W
    28E52'00.0" N 095E16'59.0" W 28E52'32.0" N 095E17'32.0" W

    Depth(ft): Low Depth- 31 High Depth- 38
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Freeport Harbor Entrance and Jetty Channels, Texas.

Reference Site Location:
Site No: 179
Site Name: FREEPORT HARBOR - REFERENCE AREA

Geographical position (NAD 1927)

28E54'28.0" N 095E13'40.0" W 28E54'35.0"N 095E13'28.0" W
28E55'07.0" N 095E14'01.0" W 28E54'60.0"N 095E14'13.0" W

Depth (ft): Low Depth- 39 High Depth- 44
Nearest Distance from shore (nm): 3.2

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Cyprinodon variegatus
Mysidopsis bahia

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Palaemonetes pugio

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nereis virens

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SWG [DS= 2506]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FREEPORT HARBOR, TEXAS
      ENTRANCE AND JETTY CHANNEL (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,422,000

7. Expected frequency of dumping (for reporting period):
   a. 5/D;7/WK
   b. Actual start: 07/30/00
   c. Actual completion: 08/28/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.1000000	6	4.150000	5.770000	4.560000
MERCURY	6	0.0200000	6	0.004000	0.040000	0.020000
CADMIUM	6	0.1000000	1	0.050000	0.100000	0.058000
LEAD	6	0.1000000	6	15.400000	18.200000	16.680000
CHROMIUM	6	0.1000000	6	7.270000	9.660000	8.710000
COPPER	6	0.1000000	6	7.520000	11.200000	9.130000
NICKEL	6	0.1000000	6	9.820000	13.300000	11.290000
ZINC	6	0.1000000	6	28.300000	45.100000	38.900000
SELENIUM	6	0.2000000	5	0.100000	0.290000	0.220000
SILVER	6	0.1000000	3	0.050000	0.180000	0.100000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	6	0.0100000	0	0.000000	0.000000	0.000000
CHLORDANE	6	0.0100000	0	0.000000	0.000000	0.000000
DIELDRIN	6	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	6	0.0100000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	6	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	6	0.0100000	0	0.000000	0.000000	0.000000
DDD	6	0.0100000	0	0.000000	0.000000	0.000000
DDE	6	0.0100000	0	0.000000	0.000000	0.000000
DDT	6	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	6	0.0050000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	6	0.0050000	0	0.000000	0.000000	0.000000
HEPTACHLOR	6	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	6	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	6	0.0100000	0	0.000000	0.000000	0.000000
BETA-LINDANE	6	0.0100000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	6	0.0100000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	6	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	6	0.0500000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	6	0.0010000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	6	0.5000000	0	0.000000	0.000000	0.000000
NAPHTHALENE	6	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	6	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	6	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	6	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	6	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	6	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	6	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	6	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	6	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	6	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	6	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	6	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	6	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	6	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	6	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	6	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	6	0.1000000	6	3.170000	38.400000	21.700000
TOTAL ORGANIC CARBON	6	0.0100000	6	1.510000	2.430000	1.890000
TOTAL SULFIDES	6	0.1000000	6	0.330000	1.230000	0.660000
% SAND	6	0.1000000	6	1.000000	10.600000	5.300000
% SILT	6	0.1000000	6	21.200000	29.400000	25.100000
% CLAY	6	0.1000000	6	62.300000	75.700000	69.600000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	6	1.0000000	0	0.000000	0.000000	0.000000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.0010000	0	0.000000	0.000000	0.000000
MERCURY	6	0.0002000	0	0.000000	0.000000	0.000000
CADMIUM	6	0.0001000	2	0.000050	0.000400	0.000100
LEAD	6	0.0010000	0	0.000000	0.000000	0.000000
CHROMIUM	6	0.0010000	0	0.000000	0.000000	0.000000
COPPER	6	0.0010000	3	0.000500	0.002900	0.001600
NICKEL	6	0.0010000	0	0.000000	0.000000	0.000000
ZINC	6	0.0010000	6	0.003300	0.006100	0.004600
SELENIUM	6	0.0010000	0	0.000000	0.000000	0.000000
SILVER	6	0.0010000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	6	0.0000400	0	0.000000	0.000000	0.000000
CHLORDANE	6	0.0001400	0	0.000000	0.000000	0.000000
DIELDRIN	6	0.0000200	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	6	0.0001000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	6	0.0001000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	6	0.0001000	0	0.000000	0.000000	0.000000
DDD	6	0.0001000	0	0.000000	0.000000	0.000000
DDE	6	0.0001000	0	0.000000	0.000000	0.000000
DDT	6	0.0001000	0	0.000000	0.000000	0.000000
ENDRIN	6	0.0000600	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	6	0.0000600	0	0.000000	0.000000	0.000000
HEPTACHLOR	6	0.0000300	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	6	0.0000300	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	6	0.0000200	0	0.000000	0.000000	0.000000
BETA-LINDANE	6	0.0000200	0	0.000000	0.000000	0.000000
DELTA-LINDANE	6	0.0000200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	6	0.0000200	0	0.000000	0.000000	0.000000
TOXAPHENE	6	0.0005000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	6	0.0000100	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	6	0.0050000	0	0.000000	0.000000	0.000000
NAPHTHALENE	6	0.0020000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	6	0.0010000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	6	0.0025000	0	0.000000	0.000000	0.000000
CHRYSENE	6	0.0005000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	6	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	6	0.0020000	0	0.000000	0.000000	0.000000
FLUORANTHENE	6	0.0005000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	6	0.0001000	0	0.000000	0.000000	0.000000
FLUORENE	6	0.0005000	0	0.000000	0.000000	0.000000
PYRENE	6	0.0005000	0	0.000000	0.000000	0.000000
ANTHRACENE	6	0.0005000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	6	0.0005000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	6	0.0005000	0	0.000000	0.000000	0.000000
PHENANTHRENE	6	0.0010000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	6	0.0005000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	6	0.0300000	2	0.015000	0.750000	0.250000
TOTAL ORGANIC CARBON	6	0.0000100	0	0.000000	0.000000	0.000000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	6	0.0500000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No.162
Site Name: FREEPORT HARBOR MAINTENANCE
Geographical position: (NAD 1927)

28E54'00.0" N 095E15'49.0" W 28E53'28.0" N 095E15'16.0" W
28E52'00.0" N 095E16'59.0" W 28E52'32.0" N 095E17'32.0" W

Depth(ft): Low Depth- 31 High Depth- 38
Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material the Freeport Harbor Entrance and Jetty Channels, Texas.

Reference Site Location:
Site No: 179
Site Name: FREEPORT HARBOR - REFERENCE AREA

Geographical position (NAD 1927)

28E54'28.0" N 095E13'40.0" W 28E54'35.0"N 095E13'28.0" W
28E55'07.0" N 095E14'01.0" W 28E54'60.0"N 095E14'13.0" W

Depth (ft): Low Depth- 39 High Depth- 44
Nearest Distance from shore (nm): 3.2

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SWG [DS= 2507]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SABINE - NECHES WATERWAY, TEXAS
      SABINE PASS OUTER BAR AND SABINE BANK CHANNELS (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 3,656,900

7. Expected frequency of dumping (for reporting period):
   a. 5/D:7D/WK
   b. Actual start: 01/11/00
   c. Actual completion: 05/02/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	7	0.1000000	7	0.690000	2.300000	1.120000
MERCURY	7	0.0200000	2	0.010000	0.060000	0.020000
CADMIUM	7	0.1000000	0	0.000000	0.000000	0.000000
LEAD	7	0.1000000	7	6.900000	21.500000	16.260000
CHROMIUM	7	0.1000000	7	8.430000	18.700000	12.690000
COPPER	7	0.1000000	7	3.960000	11.000000	8.820000
NICKEL	7	0.1000000	7	7.950000	17.000000	13.550000
ZINC	7	0.1000000	7	33.300000	65.300000	52.890000
SELENIUM	7	0.2000000	0	0.000000	0.000000	0.000000
SILVER	7	0.1000000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	7	0.0100000	0	0.000000	0.000000	0.000000
CHLORDANE	7	0.0100000	0	0.000000	0.000000	0.000000
DIELDRIN	7	0.0100000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	7	0.0100000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	7	0.0100000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	7	0.0100000	0	0.000000	0.000000	0.000000
DDD	7	0.0100000	0	0.000000	0.000000	0.000000
DDE	7	0.0100000	0	0.000000	0.000000	0.000000
DDT	7	0.0100000	0	0.000000	0.000000	0.000000
ENDRIN	7	0.0050000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	7	0.0050000	0	0.000000	0.000000	0.000000
HEPTACHLOR	7	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	7	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	7	0.0100000	0	0.000000	0.000000	0.000000
BETA-LINDANE	7	0.0100000	0	0.000000	0.000000	0.000000
DELTA-LINDANE	7	0.0100000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	7	0.0100000	0	0.000000	0.000000	0.000000
TOXAPHENE	7	0.0500000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	7	0.0010000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	7	0.5000000	0	0.000000	0.000000	0.000000
NAPHTHALENE	7	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	7	0.0200000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	7	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	7	0.0200000	0	0.000000	0.000000	0.000000
CHRYSENE	7	0.0200000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	7	0.0200000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	7	0.0200000	0	0.000000	0.000000	0.000000
FLUORANTHENE	7	0.0200000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	7	0.0200000	0	0.000000	0.000000	0.000000
FLUORENE	7	0.0200000	0	0.000000	0.000000	0.000000
PYRENE	7	0.0200000	0	0.000000	0.000000	0.000000
ANTHRACENE	7	0.0200000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	7	0.0200000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	7	0.0200000	0	0.000000	0.000000	0.000000
PHENANTHRENE	7	0.0200000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	7	0.0200000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AMMONIA NITROGEN	7	0.1000000	7	1.990000	30.600000	12.500000
TOTAL ORGANIC CARBON	7	0.0100000	7	0.900000	1.700000	1.300000
% SAND	7	0.1000000	7	3.700000	46.900000	13.400000
% SILT	7	0.1000000	7	37.500000	59.100000	49.100000
% CLAY	7	0.1000000	7	15.600000	51.300000	37.400000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	7	1.0000000	0	0.000000	0.000000	0.000000

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

Elutriate Test Chemical Data

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	7	0.0010000	2	0.000500	0.005500	0.001800
MERCURY	7	0.0002000	0	0.000000	0.000000	0.000000
CADMIUM	7	0.0001000	2	0.000050	0.000400	0.000140
LEAD	7	0.0010000	0	0.000000	0.000000	0.000000
CHROMIUM	7	0.0010000	0	0.000000	0.000000	0.000000
COPPER	7	0.0010000	0	0.000000	0.000000	0.000000
NICKEL	7	0.0010000	0	0.000000	0.000000	0.000000
ZINC	7	0.0010000	0	0.000000	0.000000	0.000000
SELENIUM	7	0.0010000	0	0.000000	0.000000	0.000000
SILVER	7	0.0010000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	7	0.0000400	0	0.000000	0.000000	0.000000
CHLORDANE	7	0.0001400	0	0.000000	0.000000	0.000000
DIELDRIN	7	0.0000200	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	7	0.0001000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	7	0.0001000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	7	0.0001000	0	0.000000	0.000000	0.000000
DDD	7	0.0001000	0	0.000000	0.000000	0.000000
DDE	7	0.0001000	0	0.000000	0.000000	0.000000
DDT	7	0.0001000	0	0.000000	0.000000	0.000000
ENDRIN	7	0.0000600	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	7	0.0000600	0	0.000000	0.000000	0.000000
HEPTACHLOR	7	0.0000300	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	7	0.0000300	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	7	0.0000200	0	0.000000	0.000000	0.000000
BETA-LINDANE	7	0.0000200	0	0.000000	0.000000	0.000000
DELTA-LINDANE	7	0.0000200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	7	0.0000200	0	0.000000	0.000000	0.000000
TOXAPHENE	7	0.0005000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	7	0.0000100	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	7	0.0050000	0	0.000000	0.000000	0.000000
NAPHTHALENE	7	0.0020000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	7	0.0010000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	7	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	7	0.0025000	0	0.000000	0.000000	0.000000
CHRYSENE	7	0.0005000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	7	0.0001000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	7	0.0020000	0	0.000000	0.000000	0.000000
FLUORANTHENE	7	0.0005000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	7	0.0001000	0	0.000000	0.000000	0.000000
FLUORENE	7	0.0005000	0	0.000000	0.000000	0.000000
PYRENE	7	0.0005000	0	0.000000	0.000000	0.000000
ANTHRACENE	7	0.0005000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	7	0.0005000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	7	0.0005000	0	0.000000	0.000000	0.000000
PHENANTHRENE	7	0.0010000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	7	0.0005000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	7	0.0001000	0	0.000000	0.000000	0.000000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	7	0.0500000	0	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 73
    Site Name: SABINE-NECHES WATERWAY DA NO. 2
    Geographical position: (NAD 1927)

    29E30'41.0" N 093E43'49.0" W 29E28'42.0" N 093E41'33.0" W
    29E28'42.0" N 093E44'49.0" W 29E30'08.0" N 093E46'27.0" W

    Depth(ft): Low Depth- 30 High Depth- 42
    Nearest Distance from shore (nm): 12.8

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material from the Sabine-Neches area.
Site No. 75
Site Name: SABINE-NECHES WATERWAY DA NO. 4
Geographical position: (NAD 1927)

29E38'09.0" N 093E49'23.0" W 29E35'53.0" N 093E48'18.0" W
29E35'06.0" N 093E50'24.0" W 29E36'37.0" N 093E51'09.0" W

Depth(ft): Low Depth- 16 High Depth- 30
Nearest Distance from shore (nm): 2.7

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material from the Sabine-Neches area.
29 37' 00" N 93 50' 06"W
29 37' 46" N 93 50' 26"W

Reference Site Location:
Site No: 176
Site Name: SABINE-NECHES WATERWAY REFERENCE AREA 1

Geographical position (NAD 1927)

29E27'30.0" N 093E37'00.0" W 29E27'30.0"N 093E36'45.0" W
29E26'38.0" N 093E36'45.0" W 29E26'38.0"N 093E37'00.0" W

Depth (ft): Low Depth- 39 High Depth- 44
Nearest Distance from shore (nm): 15.9

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Palaemonetes pugio

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: ROB HAUCH 409-766-3913

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPN [DS= 2508]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. OAKLAND, CA
      OAKLAND INNER HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 16,100

7. Expected frequency of dumping (for reporting period):
   a. 1.4 LDS/DY
   b. Actual start: 06/05/00
   c. Actual completion: 06/30/00

8. Composition of the dredged material.
      NO CHEMICAL DATA EXISTS FOR THIS PROJECT

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.193
    Site Name: SAN FRANCISCO DEEP OCEAN DISPOSAL SITE
    Geographical position: (NAD 1983)

    37E39'00.0" N 123E29'00.0" W
    Depth(ft): Low Depth- 8200 High Depth- 9840
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

Location: Center coordinates of the oval-shaped site are:
37 deg.39.0' North latitude by 123 deg.29.0' West longitude (North American Datum from 1983), with length (north-south axis) and width (west-east axis) dimensions of approximately 4 nautical miles (7.5 kilometers) and 2.5 nautical miles (4.5 kilometers), respectively.
Seabird and Marine mammal monitoring were performed in 1995.

Added by Belinda Spalding, Oct. 1996.

Reference Site Location:
Site No: 213
Site Name: EPA 1

Geographical position (NAD 1983)

37E25'0" N 123E14'54." W
Depth (ft): Low Depth- 4200 High Depth- 4200
Nearest Distance from shore (nm): 15.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

See Oakland Outer Harber for SF-DODS Chemistry

19. Point of Contact: MIKE DONNELLY 415-977-8699

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPN [DS= 2509]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. OAKLAND, CA
      OAKLAND OUTER HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 291,500

7. Expected frequency of dumping (for reporting period):
   a. 1.1 LDS/DY
   b. Actual start: 01/03/00
   c. Actual completion: 06/27/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	12	0.8000000	12	2.600000	4.800000	3.400000
MERCURY	12	0.0100000	12	0.020000	0.060000	0.030000
CADMIUM	12	0.0800000	12	0.160000	0.410000	0.280000
LEAD	12	0.0800000	12	5.160000	7.740000	6.330000
CHROMIUM	12	0.3000000	12	48.900000	70.600000	58.000000
COPPER	12	0.1500000	12	20.800000	46.500000	32.000000
NICKEL	12	0.3000000	12	47.000000	74.700000	60.000000
ZINC	12	0.5000000	12	48.900000	84.600000	69.400000
SELENIUM	12	1.5000000	12	1.700000	4.400000	3.000000
SILVER	12	0.0200000	12	0.300000	0.830000	0.460000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	12	2.0000000	0	2.000000	2.000000	2.000000
ALPHA-CHLORDANE	12	2.0000000	0	2.000000	2.000000	2.000000
DIELDRIN	12	2.0000000	0	2.000000	2.000000	2.000000
ALPHA-ENDOSULFAN	12	2.0000000	0	2.000000	2.000000	2.000000
BETA-ENDOSULFAN	12	2.0000000	0	2.000000	2.000000	2.000000
ENDOSULFAN SULFATE	12	2.0000000	0	2.000000	2.000000	2.000000
DDD	12	2.0000000	0	1.200000	2.000000	1.900000
DDE	12	2.0000000	0	1.100000	3.400000	1.900000
DDT	12	2.0000000	0	2.000000	2.000000	2.000000
ENDRIN	12	2.0000000	0	2.000000	2.000000	2.000000
ENDRIN ALDEHYDE	12	2.0000000	0	2.000000	2.000000	2.000000
HEPTACHLOR	12	2.0000000	0	2.000000	2.000000	2.000000
HEPTACHLOR EPOXIDE	12	2.0000000	0	2.000000	2.000000	2.000000
ALPHA-LINDANE	12	2.0000000	0	2.000000	2.000000	2.000000
BETA-LINDANE	12	2.0000000	0	2.000000	2.000000	2.000000
DELTA-LINDANE	12	2.0000000	0	2.000000	2.000000	2.000000
GAMMA-LINDANE	12	2.0000000	0	2.000000	2.000000	2.200000
METHOXYCHLOR	12	2.0000000	0	2.000000	2.000000	2.000000
TOXAPHENE	12	50.0000000	0	50.000000	50.000000	50.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	12	20.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1016	12	20.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1221	12	30.0000000	0	30.000000	30.000000	30.000000
AROCHLOR 1232	12	20.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1242	12	20.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1248	20	0.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1254	12	0.0000000	0	20.000000	20.000000	20.000000
AROCHLOR 1260	12	20.0000000	0	20.000000	20.000000	20.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	12	8.0000000	0	8.000000	8.000000	8.000000
BENZO(A)ANTHRACENE	12	8.0000000	1	3.200000	12.000000	6.500000
BENZO(B)FLUORANTHENE	12	8.0000000	3	4.400000	14.000000	7.700000
ACENAPHTHYLENE	12	8.0000000	0	8.000000	8.000000	8.000000
CHRYSENE	12	8.0000000	5	5.300000	15.000000	8.400000
BENZO(K)FLUORANTHENE	12	8.0000000	1	5.400000	13.000000	8.100000
ACENAPHTHENE	12	8.0000000	0	8.000000	8.000000	8.000000
FLUORANTHENE	12	8.0000000	9	6.400000	23.000000	11.900000
BENZO(GHI)PERYLENE	12	8.0000000	9	6.000000	18.000000	10.600000
FLUORENE	12	8.0000000	0	8.000000	8.000000	8.000000
PYRENE	12	8.0000000	11	8.000000	33.000000	16.700000
ANTHRACENE	12	8.0000000	0	8.000000	8.000000	8.000000
BENZO(A)PYRENE	12	8.0000000	8	8.000000	20.000000	9.800000
INDENO(1,2,3-CD)PYRENE	12	8.0000000	9	3.300000	17.000000	9.400000
PHENANTHRENE	12	8.0000000	11	6.800000	15.000000	10.600000
DIBENZE(A,H)ANTHRACENE	12	8.0000000	0	8.000000	8.000000	8.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	12	0.0000000	0	46.600000	66.600000	59.600000
% TOTAL VOLATILE SOLIDS	12	0.0000000	0	5.000000	10.400000	7.500000
TOTAL ORGANIC CARBON	12	0.0000000	0	1.030000	3.000000	0.610000
% SAND	12	0.0000000	0	6.900000	66.100000	22.000000
% SILT	12	0.0000000	0	24.300000	66.700000	41.000000
% CLAY	12	0.0000000	0	19.500000	48.600000	36.600000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.193
    Site Name: SAN FRANCISCO DEEP OCEAN DISPOSAL SITE
    Geographical position: (NAD 1983)

    37E39'00.0" N 123E29'00.0" W
    Depth(ft): Low Depth- 8200 High Depth- 9840
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Location: Center coordinates of the oval-shaped site are:
37 deg.39.0' North latitude by 123 deg.29.0' West longitude (North American Datum from 1983), with length (north-south axis) and width (west-east axis) dimensions of approximately 4 nautical miles (7.5 kilometers) and 2.5 nautical miles (4.5 kilometers), respectively.
Seabird and Marine mammal monitoring were performed in 1995.

Added by Belinda Spalding, Oct. 1996.

Reference Site Location:
Site No: 213
Site Name: EPA 1

Geographical position (NAD 1983)

37E25'0" N 123E14'54." W
Depth (ft): Low Depth- 4200 High Depth- 4200
Nearest Distance from shore (nm): 15.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

The Reference Site for the SF Deep Ocean Disposal Site is EPA-1 with coordinates of 37degrees 25' N, 123 degrees 14.9' W, located 15 nm from shore at a depth of 4200'

19. Point of Contact: MIKE DONNELLY 415-977-8699

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2516]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ROGUE RIVER
      ROGUE RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 34,300

7. Expected frequency of dumping (for reporting period):
   a. ANNUALLY
   b. Actual start: 06/26/00
   c. Actual completion: 09/06/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 22
Site Name: ROGUE RIVER ENTRANCE
Geographical position: (NAD 1927)

42E24'16.0" N 124 26'48.0" W 42E24'04.0" N 124 26'35.0" W
42E23'40.0" N 124 27'13.0" W 42E23'52.0" N 124 27'26.0" W

Depth(ft): Low Depth- 66 High Depth- 68
Nearest Distance from shore (nm): 1.2

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2517]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COQUILLE
      COQUILLE RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 11,000

7. Expected frequency of dumping (for reporting period):
   a. ANNUALLY
   b. Actual start: 09/12/00
   c. Actual completion: 09/14/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 24
    Site Name: COQUILLE RIVER ENTRANCE
    Geographical position: (NAD 1927)

43E08'26.0" N 124 26'44.0" W 43E00'03.0" N 124 26'08.0" W
43E08'13.0" N 124 27'00.0" W 43E07'50.0" N 124 26'23.0" W

Depth(ft): Low Depth- 66 High Depth- 0
Nearest Distance from shore (nm): 0.9

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material from the Coquille Estuary and River and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2518]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. UMPQUA RIVER
      UMPQUA RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 11,000

7. Expected frequency of dumping (for reporting period):
   a. 9 DAYS
   b. Actual start: 07/14/00
   c. Actual completion: 09/11/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 24
    Site Name: COQUILLE RIVER ENTRANCE
    Geographical position: (NAD 1927)

    43E08'26.0" N 124 26'44.0" W 43E00'03.0" N 124 26'08.0" W
    43E08'13.0" N 124 27'00.0" W 43E07'50.0" N 124 26'23.0" W

    Depth(ft): Low Depth- 66 High Depth- 0
    Nearest Distance from shore (nm): 0.9

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material from the Coquille Estuary and River and adjacent areas.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2519]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. COOS BAY
      COOS BAY (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 118,200

7. Expected frequency of dumping (for reporting period):
   a. 31 DAYS
   b. Actual start: 06/20/00
   c. Actual completion: 09/14/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 49
    Site Name: COOS BAY ENTRANCE F (PRE 1989)
    Geographical position: (NAD 1927)

    43E22'44.0" N 124E22'18.0" W 43E22'29.0" N 124E21'34.0" W
    43E22'16.0" N 124E21'42.0" W 43E22'31.0" N 124E22'26.0" W

    Depth(ft): Low Depth- 79 High Depth- 0
    Nearest Distance from shore (nm): 1.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2520]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SIUSLAW RIVER
      SIUSLAW RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 42,100

7. Expected frequency of dumping (for reporting period):
   a. 6 DAYS
   b. Actual start: 07/03/00
   c. Actual completion: 09/12/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 26
    Site Name: SIUSLAW RIVER ENTRANCE
    Geographical position: (NAD 1927)

    44E01'23.0" N 124 09'37.0" W 44E01'22.0" N 124 09'02.0" W
    44E01'14.0" N 124 09'07.0" W 44E01'24.0" N 124 09'42.0" W

    Depth(ft): Low Depth- 69 High Depth- 0
    Nearest Distance from shore (nm): 1.0

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2521]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. YAQUINA BAY - NORTH SECTION 103
      YAQUINA BAY (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 80,100

7. Expected frequency of dumping (for reporting period):
   a. 13 DAYS
   b. Actual start: 10/01/00
   c. Actual completion: 10/22/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	5	0.1700000	5	5.900000	11.000000	8.100000
ANTIMONY	5	0.1200000	5	0.700000	1.900000	1.000000
MERCURY	5	0.0870000	5	0.000000	0.000000	0.000000
CADMIUM	5	0.0590000	5	0.440000	1.000000	0.700000
LEAD	5	0.0000000	5	5.800000	11.000000	8.900000
COPPER	5	0.1100000	5	15.000000	37.000000	25.800000
NICKEL	5	0.0099000	0	31.000000	50.000000	34.400000
ZINC	5	0.3500000	0	54.000000	110.000000	81.900000
SILVER	5	0.0016000	0	0.160000	0.024000	0.020000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	5	0.0001200	0	0.000000	0.000000	0.000000
CHLORDANE	5	0.0038000	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	5	0.0000430	0	0.000000	0.000000	0.000000
DIELDRIN	5	0.0001100	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	5	0.0005000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	5	0.0002600	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	5	0.0003700	0	0.000000	0.000000	0.000000
DDD	5	0.0002700	0	0.000000	0.000000	0.000000
DDE	5	0.0005600	0	0.000000	0.000000	0.000000
DDT	5	0.0019000	0	0.000000	0.000000	0.000000
ENDRIN	5	0.0001900	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	5	0.0014000	0	0.000000	0.000000	0.000000
HEPTACHLOR	5	0.0001600	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	5	0.0002600	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	5	0.0001200	0	0.000000	0.000000	0.000000
BETA-LINDANE	5	0.0002200	0	0.000000	0.000000	0.000000
DELTA-LINDANE	5	0.0001200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	5	0.0002100	1	0.002800	0.002800	0.000700
METHOXYCHLOR	5	0.0034000	0	0.000000	0.000000	0.000000
TOXAPHENE	5	0.0680000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	5	0.0000000	5	0.081000	0.641000	0.215000
NAPHTHALENE	5	0.0060000	5	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	5	0.0021000	4	0.006400	0.040000	0.001480
BENZO(B)FLUORANTHENE	5	0.0019000	4	0.009100	0.048000	0.002230
ACENAPHTHYLENE	5	0.0025000	0	0.000000	0.000000	0.000000
CHRYSENE	5	0.0014000	5	0.014000	0.066000	0.029800
BENZO(K)FLUORANTHENE	5	0.0019000	4	0.016000	0.048000	0.022300
ACENAPHTHENE	5	0.0021000	1	0.001000	0.001000	0.000250
FLUORANTHENE	5	0.0019000	5	0.017000	0.290000	0.111000
BENZO(GHI)PERYLENE	5	0.0008000	1	0.022000	0.022000	0.005500
FLUORENE	5	0.0021000	1	0.005100	0.005100	0.001300
PYRENE	5	0.0000000	5	0.013000	0.140000	0.058400
ANTHRACENE	5	0.0025000	1	0.001200	0.001200	0.000300
BENZO(A)PYRENE	5	0.0022000	1	0.002100	0.002100	0.005300
INDENO(1,2,3-CD)PYRENE	5	0.0020000	1	0.014000	0.014000	0.003500
PHENANTHRENE	5	0.0020000	4	0.007300	0.051000	0.021400
DIBENZE(A,H)ANTHRACENE	5	0.0014000	0	0.000000	0.000000	0.000000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	3	0.0000056	0	0.000000	0.000000	0.000000
DIBUTYLTIN	3	0.0000040	0	0.000000	0.000000	0.000000
MONOBUTYLTIN	3	0.0000038	0	0.000000	0.000000	0.000000
TOTAL ORGANOTIN	3	0.0000056	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	5	0.0000000	0	39.130000	51.700000	44.060000
TOTAL ORGANIC CARBON	5	0.0000000	0	0.000000	0.000000	0.000000
% SAND	9	0.0000000	0	33.800000	100.000000	79.550000
% SILT	9	0.0000000	0	0.000000	66.200000	20.110000
% CLAY	9	0.0000000	0	0.000000	15.150000	5.310000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	5	0.0048000	3	0.006400	0.007800	0.001000
2-CHLORONAPHTHALENE	5	0.0025000	5	0.000000	0.000000	0.000000
1,2 DICHLOROBENZENE	5	0.0061000	5	0.000000	0.000000	0.000000
1,3 DICHLOROBENZENE	5	0.0072000	5	0.000000	0.000000	0.000000
1,4 DICHLOROBENZENE	5	0.0086000	5	0.000000	0.000000	0.000000
3,3-DICHLOROBENZIDINE	5	0.0033000	5	0.000000	0.000000	0.000000
DIETHYL PHTHALATE	5	0.0070000	1	0.008000	0.015000	0.000000
DIMETHYL PHTHALATE	5	0.0096000	5	0.000000	0.000000	0.008900
DI-N-BUTYL PHTHALATE	5	0.0380000	5	0.000000	0.000000	0.000000
2,4-DINITROTOLUENE	5	0.0054000	5	0.000000	0.000000	0.000000
2,6-DINITROTOLUENE	5	0.0038000	5	0.000000	0.000000	0.000000
DI-N-OCTYL PHTHALATE	5	0.0073000	5	0.000000	0.000000	0.000000

ACID VOLATILES

2-CHLOROPHENOL	5	0.0069000	5	0.000000	0.000000	0.000000
2,4-DICHLOROPHENOL	5	0.0022000	5	0.000000	0.000000	0.000000
2,4-DIMETHYLPHENOL	5	0.0079000	5	0.000000	0.000000	0.000000
2,4-DINITROPHENOL	5	0.0073000	5	0.000000	0.000000	0.000000
2-NITROPHENOL	5	0.0054000	5	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	5	0.0041000	5	0.000000	0.000000	0.000000
TOTAL PHENOLS	5	0.0011000	5	0.000000	0.000000	0.000000
2,4,6-TRICHLOROPHENOL	5	0.0040000	5	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 27
Site Name: YAQUINA BAY AND HARBOR ENTRANCE
Geographical position: (NAD 1927)

44E36'31.0" N 124 06'04.0" W 44E36'31.0" N 124 05'16.0" W
44E36'17.0" N 124 05'16.0" W 44E36'17.0" N 124 06'04.0" W

Depth(ft): Low Depth- 50 High Depth- 59
Nearest Distance from shore (nm): 1.2

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2522]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOUTH OF THE COLUMBIA RIVER - E
      MOUTH OF THE COLUMBIA RIVER (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 991,000

7. Expected frequency of dumping (for reporting period):
   a. 32 DAYS
   b. Actual start: 06/02/00
   c. Actual completion: 08/13/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.205
    Site Name: MOUTH OF COLUMBIA RIVER SITE E (1997 -)
    Geographical position: (NAD 1927)

    46E15'43." N 124E05'21." W 46E15'36." N 124E05'11." W
    46E15'11." N 124E05'53." W 46E15'18." N 124E06'03." W
    0E0'0" N 0E0'0" W
    Depth(ft): Low Depth- 60 High Depth- 0
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
Site was expanded in 1997

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NWP [DS= 2523]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MOUTH OF THE COLUMBIA RIVER - F
      MOUTH OF THE COLUMBIA RIVER -F (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 349,700

7. Expected frequency of dumping (for reporting period):
   a. 17 DAYS
   b. Actual start: 08/21/00
   c. Actual completion: 10/22/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	10	0.0008800	10	0.001500	0.002500	0.001900
ANTIMONY	10	0.0008800	3	0.000170	0.000280	0.000200
MERCURY	10	0.0000280	0	0.000000	0.000000	0.000000
CADMIUM	10	0.0000530	10	0.000170	0.000350	0.000290
LEAD	10	0.0000094	10	0.002200	0.003400	0.002600
COPPER	10	0.0000800	10	0.005600	0.009000	0.007200
NICKEL	10	0.0000320	10	0.007900	0.001400	0.001070
ZINC	10	0.0002000	10	0.002800	0.004600	0.003700
SILVER	10	0.0000380	9	0.000041	0.000063	0.000048

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	10	0.0001200	0	0.000000	0.000000	0.000000
CHLORDANE	10	0.0086000	0	0.000000	0.000000	0.000000
DIELDRIN	10	0.0003000	0	0.000000	0.000000	0.000000
DDD	10	0.0001400	0	0.000000	0.000000	0.000000
DDE	10	0.0001700	0	0.000000	0.000000	0.000000
DDT	10	0.0002100	0	0.000000	0.000000	0.000000
ENDRIN	10	0.0003800	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	10	0.0004500	0	0.000000	0.000000	0.000000
HEPTACHLOR	10	0.0000140	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	10	0.0002200	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	10	0.0001700	0	0.000000	0.000000	0.000000
BETA-LINDANE	10	0.0002800	0	0.000000	0.000000	0.000000
DELTA-LINDANE	10	0.0001600	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	10	0.0002300	0	0.000000	0.000000	0.000000
MIREX	10	0.0010000	0	0.000000	0.000000	0.000000
TOXAPHENE	10	0.0015000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	10	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1016	10	0.0084000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	10	0.0120000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	10	0.0082000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	10	0.0039000	0	0.000000	0.000000	0.000000
AROCHLOR 1248	10	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	10	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	10	0.0042000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	10	0.0000000	4	0.003500	0.025000	0.000000
NAPHTHALENE	10	0.0027000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	10	0.0008500	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	10	0.0011000	1	0.006200	0.006200	0.000620
ACENAPHTHYLENE	10	0.0011000	0	0.000000	0.000000	0.000000
CHRYSENE	10	0.0011000	1	0.004300	0.004300	0.000430
BENZO(K)FLUORANTHENE	10	0.0008900	1	0.006200	0.006200	0.000620
ACENAPHTHENE	10	0.0009500	0	0.000000	0.000000	0.000000
FLUORANTHENE	10	0.0008600	1	0.001100	0.001100	0.000110
BENZO(GHI)PERYLENE	10	0.0004000	0	0.000000	0.000000	0.000000
FLUORENE	10	0.0000000	1	0.001300	0.001300	0.000130
PYRENE	10	0.0000000	1	0.001200	0.001200	0.000120
ANTHRACENE	10	0.0013000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	10	0.0011000	1	0.004000	0.004000	0.000400
INDENO(1,2,3-CD)PYRENE	10	0.0010000	0	0.000000	0.000000	0.000000
PHENANTHRENE	10	0.0008900	4	0.003500	0.025000	0.004500
DIBENZE(A,H)ANTHRACENE	10	0.0006300	0	0.000000	0.000000	0.000000

DIOXINS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDD	3	0.9800000	0	0.000000	0.000000	0.000000
1,2,3,7,8 PeCDD	3	1.8000000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8 HxCDD	3	1.1000000	0	0.000000	0.000000	0.000000
1,2,3,6,7,8 HxCDD	3	1.2000000	0	0.000000	0.000000	0.000000
1,2,3,7,8,9 HxCDD	3	1.3000000	0	0.000000	0.000000	0.000000
TOTAL 2,3,7,8 HxCDD	3	1.3000000	0	0.000000	0.000000	0.000000
OCDD	3	3.3000000	0	0.000000	0.000000	0.000000

FURANS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDF	3	0.6100000	0	0.000000	0.000000	0.000000
1,2,3,7,8 PeCDF	3	1.0000000	0	0.000000	0.000000	0.000000
2,3,4,7,8 PeCDF	3	0.9800000	0	0.000000	0.000000	0.000000
TOTAL 2,3,7,8 PeCDF	3	1.3000000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8 HxCDF	3	0.9400000	0	0.000000	0.000000	0.000000
1,2,3,6,7,8 HxCDF	3	0.8700000	0	0.000000	0.000000	0.000000
1,2,3,7,8,9 HxCDF	3	0.9900000	0	0.000000	0.000000	0.000000
2,3,4,6,7,8 HxCDF	3	0.9800000	0	0.000000	0.000000	0.000000
TOTAL 2,3,7,8 HxCDF	3	0.9900000	0	0.000000	0.000000	0.000000
1,2,3,4,6,7,8 HpCDF	3	0.8700000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8,9 HpCDF	3	1.0000000	0	0.000000	0.000000	0.000000
TOTAL 2,3,7,8 HpCDF	3	1.0000000	0	0.000000	0.000000	0.000000
OCDF	1	0.0000000	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL SOLIDS	10	0.0000000	0	71.530000	76.290000	0.000000
% SAND	10	0.0000000	0	95.920000	99.460000	98.110000
% SILT	10	0.0000000	0	0.540000	4.080000	1.890000

BASE NEUTRALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BUTYL BENZYL PHTHALATE	10	0.0020000	3	0.002900	0.012000	0.001840
1,2 DICHLOROBENZENE	10	0.0026000	0	0.000000	0.000000	0.000000
1,3 DICHLOROBENZENE	10	0.0036000	0	0.000000	0.000000	0.000000
1,4 DICHLOROBENZENE	10	0.0030000	0	0.000000	0.000000	0.000000
DIETHYL PHTHALATE	10	0.0027000	0	0.000000	0.000000	0.000000
DIMETHYL PHTHALATE	10	0.0041000	0	0.000000	0.000000	0.000000
DI-N-BUTYL PHTHALATE	10	0.0160000	10	0.024000	0.230000	0.061000
DI-N-OCTYL PHTHALATE	10	0.0031000	0	0.000000	0.000000	0.000000
1,2,4-TRICHLOROBENZENE	10	0.0017000	0	0.000000	0.000000	0.000000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,4-DIMETHYLPHENOL	10	0.0034000	0	0.000000	0.000000	0.000000
PENTACHLOROPHENOL	10	0.0017000	0	0.000000	0.000000	0.000
BIS(2-ETHYLHEXYL)PHTHAL	10	0.0039000	10	0.034000	0.570000	0.131000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.206
    Site Name: MOUTH OF COLUMBIA RIVER SITE F (1992 -)
    Geographical position: (NAD 1927)

    46E12'00." N 124E09'00." W 46E12'00." N 124E08'42." W
    46E11'48." N 124E09'00." W 46E12' 0.0" N 124E09'18." W
    0E0'0" N 0E0'0" W
    Depth(ft): Low Depth- 69 High Depth- 130
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site
site was expanded in 1992

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
    Seasonal restrictions were enforced
    Site Monitoring was performed
    Chemical Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
    No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
    No Bioassay testing was done

18. General Comments

19. Point of Contact: TIM SHERMAN 503-808-4884

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: POA [DS= 2580]

2. Permit start date/expire date: (Federal Project)
   Location:
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NOME, AK
      NOME SMALL BOAT HARBOR (Maintenance)

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: PIPELINE DISCHARGE

5. Form in which dredged material is presented for disposal:
      SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 5,700

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 06/14/00
   c. Actual completion: 06/22/00

8. Composition of the dredged material.

   CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: PIPE ABOVE WATER SURFACE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 69
    Site Name: NOME EAST
    Geographical position: (NAD 1927)

    64E29'54. " N 165E24'41. " W 64E29'45. " N 165E23'27. " W
    64E28'57. " N 165E23'29. " W 64E29'07. " N 165E24'25. " W

    Depth(ft): Low Depth- 3 High Depth- 39
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged material from Nome, Alaska, and adjacent areas. Use will be coordinated with the City of Nome prior to dredging.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Emergency dredging also occurred 7/25/2000 to 8/5/2000

19. Point of Contact: BARBARA REILLY 907-753-2701

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2546]

2. Permit start date/expire date: (Permitted Project)
   Location: REFINED SUGAR,INC
   Date issued: 10/13/98 Expire Date: 10/13/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HUDSON RIVER

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 42,100

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 10/21/00
   c. Actual completion: 09/08/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1998

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 0
Site Name: No Disposal Or Reference Site Was Selected
Geographical position:

Depth(ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W

Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAN [DS= 2547]

2. Permit start date/expire date: (Permitted Project)
   Location: PASSENGER SHIP TERM.
   Date issued: 03/12/98 Expire Date: 03/12/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HUDSON RIVER

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 336,400

7. Expected frequency of dumping (for reporting period):
   a. 2 / DAY
   b. Actual start: 04/05/00
   c. Actual completion: 05/13/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 0

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.204
    Site Name: HISTORIC AREA REMEDIATION SITE (HARS)
    Geographical position: (NAD 1983)

    40E25'39. " N 073E53'55. " W 40E25'39. " N 073E48'58. " W
    40E21'19. " N 073E48'57. " W 40E21'19. " N 073E52'30. " W
    40E21'52. " N 073E53'55. " W
    Depth(ft): Low Depth- 39 High Depth- 160
    Nearest Distance from shore (nm): 3.5

General Comments About The Disposal Site

This is a complex site with multiple corners. Only the 5 approximate outside corners are listed above. Complete corner coordinates of the Buffer Zone are:

A - 40 25'39" N, 73 53'55" W	L - 40 25'22", 73 50'44"
B - 40 25'23", 73 53'34"	M - 40 25'39", 73 48'58"
C - 40 25'39", 73 51'48"	N - 40 25'22", 73 49'19"
D - 40 25'22", 73 52'08"	O - 40 21'35", 73 49'19"
E - 40 23'48", 73 51'48"	P - 40 21'19", 73 48'57"
F - 40 23'13", 73 52'09"	Q - 40 21'36", 73 52'08"
G - 40 23'13", 73 51'28"	R - 40 21'19", 73 52'30"
H - 40 22'41", 73 51'28"	S - 40 21'52", 73 53'55"
I - 40 22'41", 73 50'43"	T - 40 22'08", 73 52'08"
J - 40 23'48", 73 51'06"	U - 40 22'08", 73 53'34"
K - 40 25'39", 73 51'06"	V - 40 21'52", 73 52'30"

Reference Site Location:
Site No: 128
Site Name: MUD DUMP REFERENCE SITE

Geographical position (NAD 1927)

40E23'13. " N 073E52'11. " W 40E20'21. "N 073E52'19. " W
Depth (ft): Low Depth- 21 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed
Biological Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia berylina
Mysidopsis bahia
Mytilus edilus

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Nereis virens
Macoma nasuta

18. General Comments

19. Point of Contact: THOMAS WYCHE 212-264-1851

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2554]

2. Permit start date/expire date: (Permitted Project)
   Location: TOWN OF SCITUATE, MA
   Date issued: 11/30/99 Expire Date: 11/22/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SOUTH RIVER, SCITUATE, MA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 11,500

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 DAYS
   b. Actual start: 01/08/00
   c. Actual completion: 02/12/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% SAND	9	0.0000000	9	0.200000	50.000000	24.120000
% SILT	9	0.0000000	9	0.000000	5.000000	1.780000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 2
Site Name: MASSACHUSETTS BAY DISPOSAL SITE
Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

#199800830
% fines reported as "%silt"

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2555]

2. Permit start date/expire date: (Permitted Project)
   Location: MADEM/HINGHAM
   Date issued: 12/18/96 Expire Date: 12/18/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. HINGHAM HARBOR, HINGHAM MASSACHUSETTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 31,100

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 DAYS
   b. Actual start: 05/06/00
   c. Actual completion: 06/30/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 131
Site Name: MASS BAY REFERENCE (PRE 1992)

Geographical position (NAD 1927)

42E24'42.0" N 070E32'48.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

199902350.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2556]

2. Permit start date/expire date: (Permitted Project)
   Location: TOWN OF SCITUATE
   Date issued: 09/25/98 Expire Date: 09/25/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SCITUATE HARBOR, SCITUATE, MASSACHUSETTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 600

7. Expected frequency of dumping (for reporting period):
   a. 1 TRIP
   b. Actual start: 01/06/00
   c. Actual completion: 01/06/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

199600409.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2557]

2. Permit start date/expire date: (Permitted Project)
   Location: MASS HIGHWAY DEPT
   Date issued: 05/29/97 Expire Date: 05/29/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. I-90 FORT POINT CHANNEL

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 28,100

7. Expected frequency of dumping (for reporting period):
   a. 2 / WEEK
   b. Actual start: 01/19/00
   c. Actual completion: 11/12/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1991-01378

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2558]

2. Permit start date/expire date: (Permitted Project)
   Location: MADEM/WINTHROP
   Date issued: 07/22/98 Expire Date: 07/22/04

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WINTHROP HARBOR, WINTHROP, MASSACHUSETTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 56,400

7. Expected frequency of dumping (for reporting period):
   a. 5 / WEEK
   b. Actual start: 01/05/00
   c. Actual completion: 12/03/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1999-01259

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2559]

2. Permit start date/expire date: (Permitted Project)
   Location: MOBIL OIL CO.
   Date issued: 12/08/98 Expire Date: 12/08/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. FORE RIVER, SOUTH PORTLAND, ME

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 800

7. Expected frequency of dumping (for reporting period):
   a. 1 / WEEK
   b. Actual start: 03/01/00
   c. Actual completion: 03/19/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 76
    Site Name: PORTLAND
    Geographical position: (NAD 1927)

    Center of Site is:
    43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
    43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W

    Depth(ft): Low Depth- 136 High Depth- 226
    Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material. latitude/longitude
Updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

1998-03142. This is both new & maintenance work.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2560]

2. Permit start date/expire date: (Permitted Project)
   Location: TOWN OF HULL, MA
   Date issued: 10/16/98 Expire Date: 10/16/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NANTASKET PIER, WEIR RIVER, HULL MASSACHUSETTS

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 64,000

7. Expected frequency of dumping (for reporting period):
   a. 5 / WEEK
   b. Actual start: 10/25/00
   c. Actual completion: 12/29/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	10	0.0000000	10	4.030000	10.700000	5.880000
MERCURY	10	0.0000000	10	0.870000	2.090000	1.600000
CADMIUM	10	0.0000000	10	14.300000	19.600000	16.370000
LEAD	10	0.0000000	10	98.200000	169.000000	120.320000
CHROMIUM	10	0.0000000	10	89.300000	152.000000	111.750000
COPPER	10	0.0000000	10	71.400000	115.000000	88.500000
NICKEL	10	0.0000000	10	19.500000	28.800000	22.960000
ZINC	10	0.0000000	10	126.000000	205.000000	161.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	10	0.0200000	0	0.000000	0.000000	0.000000
CHLORDANE	10	0.0200000	0	0.000000	0.000000	0.000000
DIELDRIN	10	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN	10	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	10	0.0200000	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	10	0.0200000	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	10	0.0200000	0	0.000000	0.000000	0.000000
DDD	10	0.0200000	0	0.000000	0.000000	0.000000
DDE	10	0.0200000	0	0.000000	0.000000	0.000000
DDT	10	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN	10	0.0200000	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	10	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR	10	0.0200000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	10	0.0200000	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	10	0.0200000	0	0.000000	0.000000	0.000000
BETA-LINDANE	10	0.0200000	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	10	0.0200000	0	0.000000	0.000000	0.000000
METHOXYCHLOR	10	0.0200000	0	0.000000	0.000000	0.000000
TOXAPHENE	10	0.0200000	0	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	10	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1221	10	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1232	10	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1242	10	0.0100000	0	0.000000	0.000000	0.000000
AROCHLOR 1254	10	0.0000000	0	0.000000	0.000000	0.000000
AROCHLOR 1260	10	0.0100000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	10	1.0000000	1	4.470000	4.470000	0.900000
BENZO(A)ANTHRACENE	10	1.0000000	1	1.750000	1.750000	0.625000
BENZO(B)FLUORANTHENE	10	1.0000000	5	1.300000	6.720000	1.540000
ACENAPHTHYLENE	10	1.0000000	2	3.470000	26.000000	3.350000
CHRYSENE	10	1.0000000	0	1.360000	1.360000	0.586000
BENZO(K)FLUORANTHENE	10	1.0000000	4	1.060000	6.130000	1.410000
ACENAPHTHENE	10	1.0000000	2	2.580000	21.900000	2.850000
FLUORANTHENE	10	1.0000000	3	1.060000	2.080000	0.836000
BENZO(GHI)PERYLENE	10	1.0000000	6	1.530000	5.580000	1.149000
FLUORENE	10	1.0000000	2	4.540000	32.000000	4.054000
PYRENE	10	1.0000000	1	2.990000	2.990000	2.990000
ANTHRACENE	10	1.0000000	2	2.250000	15.900000	2.215000
BENZO(A)PYRENE	10	1.0000000	5	1.200000	4.620000	1.302000
INDENO(1,2,3-CD)PYRENE	10	1.0000000	6	1.010000	3.150000	1.149000
PHENANTHRENE	10	1.0000000	2	4.050000	27.600000	3.565000
DIBENZE(A,H)ANTHRACENE	10	1.0000000	1	1.260000	1.260000	0.576000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	10	0.0010000	1	0.008570	0.008570	0.001307
% SILT	10	0.0000000	10	90.000000	99.000000	95.900000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 2
    Site Name: MASSACHUSETTS BAY DISPOSAL SITE
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 12161 feet.

Center of Site is:
42E25'06" N 070E35'00" W
Depth(ft): Low Depth- 272 High Depth- 302
Nearest Distance from shore (nm): 11.5

General Comments About The Disposal Site
Restriction: Disposal shall be limited to dredged material which meets the requirements of the MPRSA and its accompanying regulations. Disposal-and-capping is prohibited at the MBDS until its efficacy can be effectively demonstrated.
updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 167
Site Name: MASS BAY REFERENCE (1992 AND LATER)

Geographical position (NAD 1927)

42E22'42.0" N 070E30'18.0" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
    Seasonal restrictions were enforced
    Selective Disposal was used
    Site Monitoring was performed
    Bathymetry Monitoring was performed
    Chemical Monitoring was performed
    Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
    No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
    Ampelisca abdita

17. Bioassay Bioaccumulation Information (Organisms Tested):
    Macoma nasuta
    Nereis virens

18. General Comments

    #1989-02221.
    % fines listed as % silt.

    The DL for Arochlor 1248 and 1254 is 0.01 ppm.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: NAE [DS= 2561]

2. Permit start date/expire date: (Permitted Project)
   Location: YACHT HAVEN, INC
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. CASCO BAY, PORTLAND, MAINE

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   CLUMPED or COHESIVE

6. Total quantity (cubic meters): 18,600

7. Expected frequency of dumping (for reporting period):
   a. 1 / 2 DAYS
   b. Actual start: 02/08/00
   c. Actual completion: 04/05/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	6	0.0000000	6	14.000000	32.000000	26.170000
MERCURY	6	0.0200000	4	0.100000	0.280000	0.160000
CADMIUM	6	0.0000000	6	0.700000	4.300000	1.820000
LEAD	6	0.0000000	6	8.000000	220.000000	67.500000
CHROMIUM	6	0.0000000	6	9.000000	33.000000	20.000000
COPPER	6	0.0000000	6	10.000000	61.000000	24.830000
NICKEL	6	0.0000000	6	21.000000	31.000000	25.330000
ZINC	6	0.0000000	6	22.000000	98.000000	54.500000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
AROCHLOR 1016	4	0.0100000	3	0.015500	0.078000	0.029000
AROCHLOR 1221	4	0.0100000	3	0.015500	0.078000	0.029000
AROCHLOR 1232	4	0.0100000	3	0.015500	0.078000	0.029000
AROCHLOR 1242	4	0.0100000	3	0.015500	0.078000	0.029000
AROCHLOR 1254	4	0.0000000	2	0.015500	0.017500	0.010750
AROCHLOR 1260	4	0.0100000	2	0.015500	0.017500	0.010750

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
BENZO(A)ANTHRACENE	6	0.0200000	3	0.980000	3.500000	0.985000
CHRYSENE	6	0.0200000	2	0.250000	2.700000	0.498300
FLUORANTHENE	6	0.0200000	4	0.230000	7.100000	2.326670
PYRENE	6	0.0200000	4	0.240000	5.600000	1.852500
BENZO(A)PYRENE	6	0.0200000	4	0.230000	2.700000	0.908300
PHENANTHRENE	6	0.0200000	3	0.640000	4.100000	1.178300

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	6	0.0040000	4	0.012000	0.052000	0.022000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 76
    Site Name: PORTLAND
    Geographical position: (NAD 1927)

    Center of Site is:
    43E43'36.4" N 70E02'39.5" .W 43E33'36.3" N 70E02'39.5" W
    43E33'36.2" N 70E01'16.9" W 43E43'36.4" N 70E02'39.5" W

    Depth(ft): Low Depth- 136 High Depth- 226
    Nearest Distance from shore (nm): 7.1

General Comments About The Disposal Site

Restriction: Disposal shall be limited to dredged material.
latitude/longitude updated by Phillip Nimeskern, 01/20/2000

Reference Site Location:
Site No: 169
Site Name: PORTLAND REFERENCE

Geographical position:
43E38'36.0" N 069E59'00.6" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed
Chemical Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

198902221. This permit has been extended several times
The DL for PCB-1248 and PCB-1254 is 0.01 ppm and both have 4 observations.

19. Point of Contact: PHILLIP NIMESKERN 978-318-8660

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAC [DS= 2552]

2. Permit start date/expire date: (Permitted Project)
   Location: SOUTH CAROLINA STATE PORTS AUTHORITY
   Date issued: 03/10/00 Expire Date: 03/31/10

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. WANDO WELCH TERMINAL

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 123,600

7. Expected frequency of dumping (for reporting period):
   a. 10 MONTHS
   b. Actual start: 05/05/00
   c. Actual completion: 08/05/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	4	0.7740000	4	5.490000	19.400000	15.147500
ANTIMONY	4	0.6480000	0	0.000000	0.000000	0.000000
MERCURY	4	0.0031500	4	0.023500	0.110000	0.076875
CADMIUM	4	0.6460000	4	0.106000	0.197000	0.161000
LEAD	4	0.2670000	4	4.110000	25.400000	17.725000
CHROMIUM	4	0.1290000	4	0.133000	48.600000	38.950000
COPPER	4	0.2280000	4	2.450000	22.600000	16.687500
NICKEL	4	0.1070000	4	3.250000	16.200000	12.337500
ZINC	4	0.6290000	4	15.700000	75.700000	57.025000
SELENIUM	4	0.4590000	4	0.828000	5.340000	2.442000
SILVER	4	0.1220000	0	0.000000	0.000000	0.000000

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	4	0.0000470	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	4	0.0007970	0	0.000000	0.000000	0.000000
DIELDRIN	4	0.0013300	0	0.000000	0.000000	0.000000
ALPHA-ENDOSULFAN	4	0.0082100	0	0.000000	0.000000	0.000000
BETA-ENDOSULFAN	4	0.0012300	0	0.000000	0.000000	0.000000
ENDOSULFAN SULFATE	4	0.0016500	0	0.000000	0.000000	0.000000
DDD	4	0.0010700	0	0.000000	0.000000	0.000000
DDE	4	0.0009940	0	0.000000	0.000000	0.000000
DDT	4	0.0014400	0	0.000000	0.000000	0.000000
ENDRIN	4	0.0012300	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	4	0.0018000	0	0.000000	0.000000	0.000000
HEPTACHLOR	4	0.0078500	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	4	0.0039300	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	4	0.0004760	0	0.000000	0.000000	0.000000
BETA-LINDANE	4	0.0007020	0	0.000000	0.000000	0.000000
DELTA-LINDANE	4	0.0005120	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	4	0.0006310	0	0.000000	0.000000	0.000000
METHOXYCHLOR	4	0.0064200	0	0.000000	0.000000	0.000000
TOXAPHENE	4	0.0198000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	4	0.0119000	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	4	0.0119000	0	0.000000	0.000000	0.000000
BENZO(B)FLUORANTHENE	4	0.0119000	0	0.000000	0.000000	0.000000
ACENAPHTHYLENE	4	0.0119000	0	0.000000	0.000000	0.000000
CHRYSENE	4	0.0119000	0	0.000000	0.000000	0.000000
BENZO(K)FLUORANTHENE	4	0.0119000	0	0.000000	0.000000	0.000000
ACENAPHTHENE	4	0.0119000	0	0.000000	0.000000	0.000000
FLUORANTHENE	4	0.0119000	0	0.000000	0.000000	0.000000
BENZO(GHI)PERYLENE	4	0.0119000	0	0.000000	0.000000	0.000000
FLUORENE	4	0.0119000	0	0.000000	0.000000	0.000000
PYRENE	4	0.0119000	0	0.000000	0.000000	0.000000
ANTHRACENE	4	0.0119000	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	4	0.0119000	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	4	0.0417000	0	0.000000	0.000000	0.000000
PHENANTHRENE	4	0.0119000	0	0.000000	0.000000	0.000000
DIBENZE(A,H)ANTHRACENE	4	0.0476000	0	0.000000	0.000000	0.000000

DIOXINS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDD	4	1.0000000	1	0.200000	1.300000	0.817500
1,2,3,7,8 PeCDD	4	1.0000000	1	0.300000	2.800000	2.100000
1,2,3,4,7,8 HxCDD	4	1.0000000	4	2.400000	20.000000	14.650000
1,2,3,6,7,8 HxCDD	4	1.0000000	4	0.630000	5.300000	197.650000
1,2,3,7,8,9 HxCDD	4	1.0000000	0	26.600000	282.000000	0.000000
OCDD	4	1.0000000	4	323.000000	4240.000000	2938.250000

FURANS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDF	4	1.0000000	3	0.200000	1.900000	1.400000
1,2,3,7,8 PeCDF	4	1.0000000	1	0.200000	0.600000	0.375000
2,3,4,7,8 PeCDF	4	1.0000000	0	0.000000	0.000000	0.000000
1,2,3,4,7,8 HxCDF	4	1.0000000	1	0.700000	2.300000	1.375000
1,2,3,6,7,8 HxCDF	4	1.0000000	3	0.200000	1.500000	0.992500
1,2,3,7,8,9 HxCDF	4	1.0000000	0	0.000000	0.000000	0.000000
2,3,4,6,7,8 HxCDF	4	1.0000000	3	0.200000	1.500000	0.992500
1,2,3,4,6,7,8 HpCDF	4	1.0000000	4	1.200000	14.500000	10.350000
1,2,3,4,7,8,9 HpCDF	4	1.0000000	1	0.700000	1.400000	1.375000
OCDF	1	0.0000000	4	2.000000	36.100000	25.425000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	4	0.0000021	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
% MOISTURE	4	0.0000000	0	57.220000	225.860000	180.737500
TOTAL ORGANIC CARBON	4	0.0000000	0	12100.000000	19900.000000	15375.000000
% SAND	4	0.0000000	0	5.000000	75.800000	25.175000
% SILT	4	0.0000000	0	4.200000	49.000000	32.400000
% CLAY	4	0.0000000	0	20.000000	52.000000	41.375000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 65
    Site Name: CHARLESTON
    Geographical position: (NAD 1927)

    32E40'27.0" N 079E47'22.0" W 32E39'04.0" N 079E44'25.0" W
    32E38'07.0" N 079E45'03.0" W 32E39'30.0" N 079E48'00.0" W

    Depth(ft): Low Depth- 36 High Depth- 0
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

This site replaced by the Charleston ODMDS which encompasses site. This site was de-designated on October 23, 1995. (Robin Socha 7/24/2000)

Reference Site Location:
Site No: 187
Site Name: GEORGETOWN HARBOR REFERENCE SITE

Geographical position (NAD 1927)

33E11'1.."" N 079E04'4.."" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a single point site.
Named by Robin Collier-Socha 5/2000

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Menidia beryllina
Mysidopsis bahia
Arbacia punctulata

16. Bioassay Solid Phase Information (Organisms Tested):
Mysidopsis bahia
Ampelisca abdita

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nereis virens

18. General Comments

1. This project included maintenance and some new work.
2. The coordinates for the reference site are as follows:
   32 degrees 43.40N & 79 degrees 41.18W
3. The bathymetry is conducted before and after each dredging/disposal project, as required by the permit.
4. Material was placed on specific dump lines and areas around the inside perimeter of the ODMDS as designated by the Corps
5. Within the larger ODMDS live bottoms exist in the western half. As a result, we dispose of material in the eastern portion of the site. The coordinates of the larger ODMDS are:
   32 deg.38'06"N, 79 deg.41'57"W
   32 deg.40'42"N, 79 deg.47'30"W
   32 deg.39'04"N, 79 deg. 49'21"W
   32 deg.36'28"N, 79 deg.43'48"W

   All material is placed in this larger site east of line between the following corrdinates:
   32 deg.39'04"N, 79 deg. 44'25"W
   32 deg.37'24"N, 79 deg.45'30"W

6. TOC data is in mg/Kg not in %.

7. All Lindane chemistry is listed as BHC in data.

19. Point of Contact: AMY HENKE 843-329-8044

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAC [DS= 2553]

2. Permit start date/expire date: (Permitted Project)
   Location: SOUTH CAROLINA STATE PORTS AUTHORITY
   Date issued: 07/05/00 Expire Date: 06/30/03

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. UNION PIER TERMINAL

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 91,600

7. Expected frequency of dumping (for reporting period):
   a. 18 MONTHS
   b. Actual start: 10/05/00
   c. Actual completion: 11/06/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	4	0.5930000	4	4.330000	20.300000	15.757500
ANTIMONY	4	0.4970000	0	0.000000	0.000000	0.000000
MERCURY	4	0.0030500	4	0.020800	0.035800	0.027575
CADMIUM	4	0.0496000	1	0.049600	0.098200	0.061750
LEAD	4	0.2050000	4	3.780000	20.100000	15.445000
CHROMIUM	4	0.0991000	4	11.800000	45.500000	34.925000
COPPER	4	0.1750000	4	0.998000	14.600000	10.599500
NICKEL	4	0.0814000	4	2.060000	14.600000	10.765000
ZINC	4	0.4820000	4	15.200000	64.800000	51.900000
SELENIUM	4	0.3520000	3	0.352000	2.630000	1.600500
SILVER	4	0.0939000	4	0.108000	1.090000	0.764250

PESTICIDES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ALDRIN	4	0.0018500	0	0.000000	0.000000	0.000000
CHLORDANE	4	0.0343000	0	0.000000	0.000000	0.000000
ALPHA-CHLORDANE	4	0.0031400	0	0.000000	0.000000	0.000000
DIELDRIN	4	0.0052300	0	0.000000	0.000000	0.000000
DDD	4	0.0042000	0	0.000000	0.000000	0.000000
DDE	4	0.0039200	0	0.000000	0.000000	0.000000
DDT	4	0.0056700	0	0.000000	0.000000	0.000000
ENDRIN	4	0.0048500	0	0.000000	0.000000	0.000000
ENDRIN ALDEHYDE	4	0.0070800	0	0.000000	0.000000	0.000000
HEPTACHLOR	4	0.0031000	0	0.000000	0.000000	0.000000
HEPTACHLOR EPOXIDE	4	0.0015500	0	0.000000	0.000000	0.000000
ALPHA-LINDANE	4	0.0018800	0	0.000000	0.000000	0.000000
BETA-LINDANE	4	0.0027700	0	0.000000	0.000000	0.000000
DELTA-LINDANE	4	0.0020200	0	0.000000	0.000000	0.000000
GAMMA-LINDANE	4	0.0024900	0	0.000000	0.000000	0.000000
TOXAPHENE	4	0.0780000	0	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	4	0.0093800	0	0.000000	0.000000	0.000000
BENZO(A)ANTHRACENE	4	0.0093800	2	0.050600	0.058200	0.031890
BENZO(B)FLUORANTHENE	4	0.0093800	1	0.009380	0.060600	0.221850
ACENAPHTHYLENE	4	0.0093800	0	0.000000	0.000000	0.000000
CHRYSENE	4	0.0093800	2	0.009380	0.063500	0.036040
BENZO(K)FLUORANTHENE	4	0.0093800	0	0.000000	0.000000	0.000000
ACENAPHTHENE	4	0.0093800	0	0.000000	0.000000	0.000000
FLUORANTHENE	4	0.0093800	2	0.009380	0.103000	0.053090
BENZO(GHI)PERYLENE	4	0.0093800	0	0.000000	0.000000	0.000000
FLUORENE	4	0.0093800	0	0.000000	0.000000	0.000000
PYRENE	4	0.0093800	2	0.009380	0.008810	0.047840
ANTHRACENE	4	0.0093800	0	0.000000	0.000000	0.000000
BENZO(A)PYRENE	4	0.0093800	0	0.000000	0.000000	0.000000
INDENO(1,2,3-CD)PYRENE	4	0.0093800	0	0.000000	0.000000	0.000000
PHENANTHRENE	4	0.0093800	1	0.009380	0.054400	0.020635
DIBENZE(A,H)ANTHRACENE	4	0.0938000	1	0.009380	0.053200	0.203550

DIOXINS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDD	4	0.2000000	3	0.200000	0.460000	0.370000
1,2,3,7,8 PeCDD	4	0.2000000	3	0.200000	1.900000	1.450000
1,2,3,4,7,8 HxCDD	4	1.1000000	3	1.100000	19.400000	14.325000
1,2,3,6,7,8 HxCDD	4	0.2000000	4	0.310000	5.000000	5.735000
1,2,3,7,8,9 HxCDD	4	0.2000000	0	0.440000	7.700000	0.000000
OCDD	4	1.4000000	4	109.000000	2840.000000	2014.750000

FURANS (ng/KG or pptr)

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
2,3,7,8 TCDF	4	0.1000000	4	0.290000	1.700000	1.297500
1,2,3,7,8 PeCDF	4	0.1000000	4	0.200000	0.720000	0.580000
2,3,4,7,8 PeCDF	4	0.1000000	0	0.000000	0.800000	0.615000
1,2,3,4,7,8 HxCDF	4	0.1000000	4	0.300000	2.200000	1.575000
1,2,3,6,7,8 HxCDF	4	0.1000000	4	0.200000	1.100000	0.812500
1,2,3,7,8,9 HxCDF	4	0.1000000	4	0.200000	0.400000	0.300000
2,3,4,6,7,8 HxCDF	4	0.1000000	4	0.300000	1.500000	1.050000
1,2,3,4,6,7,8 HpCDF	4	0.5000000	4	0.500000	14.700000	10.225000
1,2,3,4,7,8,9 HpCDF	4	0.3000000	4	0.900000	1.600000	1.300000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	4	0.0016200	0	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL ORGANIC CARBON	4	0.0000000	0	4470.000000	19000.000000	13917.500000
% SAND	4	0.0000000	0	10.000000	89.300000	31.175000
% SILT	4	0.0000000	0	4.700000	59.500000	42.350000
% CLAY	4	0.0000000	0	6.000000	37.500000	26.125000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 65
    Site Name: CHARLESTON
    Geographical position: (NAD 1927)

    32E40'27.0" N 079E47'22.0" W 32E39'04.0" N 079E44'25.0" W
    32E38'07.0" N 079E45'03.0" W 32E39'30.0" N 079E48'00.0" W

    Depth(ft): Low Depth- 36 High Depth- 0
    Nearest Distance from shore (nm): 0.0

General Comments About The Disposal Site

This site replaced by the Charleston ODMDS which encompasses site. This site was de-designated on October 23, 1995. (Robin Socha 7/24/2000)

Reference Site Location:
Site No: 187
Site Name: GEORGETOWN HARBOR REFERENCE SITE

Geographical position (NAD 1927)

33E11'1.."" N 079E04'4.."" W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
This is a single point site.
Named by Robin Collier-Socha 5/2000

14. Disposal Site Management:
Selective Disposal was used
Site Monitoring was performed
Bathymetry Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
Mysidopsis bahia
Menidia beryllina
Arbacia punctulata

16. Bioassay Solid Phase Information (Organisms Tested):
Ampelisca abdita
Mysidopsis bahia

17. Bioassay Bioaccumulation Information (Organisms Tested):
Macoma nasuta
Nereis virens

18. General Comments

19. Point of Contact: AMY HENKE 843-439-8044

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SAW [DS= 2528]

2. Permit start date/expire date: (Permitted Project)
   Location: MILITARY OCEAN TERMINAL, SUNNY POINT
   Date issued: 04/07/00 Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. MILITARY OCEAN TERMINAL, SUNNY POINT, NC

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 1,202,400

7. Expected frequency of dumping (for reporting period):
   a. 3L/D,7D/WK
   b. Actual start: 05/04/00
   c. Actual completion: 10/05/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No.165
    Site Name: WILMINGTON HARBOR 1985 -
    Geographical position: (NAD 1927)

    33E49'30.0" N 078E03'06.0" W 33E48'18.0" N 078E01'39.0" W
    33E47'19.0" N 078E02'48.0" W 33E48'30.0" N 078E04'16.0" W

    Depth(ft): Low Depth- 43 High Depth- 0
    Nearest Distance from shore (nm): 3.0

General Comments About The Disposal Site

Restriction: Disposal shall be limited to the dredged material
from Wilmington Harbor area.
This site is inside the boundries of the old Wilimington Harbor
Interim site.
Final Designation 08/03/1987

Reference Site Location:
Site No: 196
Site Name: WHREF

Geographical position (NAD 1927)

33E46'52.7" N 078E03'26.5" W 33E46'26.2"N 078E02'53.6" W
33E45'47.0" N 078E03'37.3" W 33E46'14.4"N 078E04'11.3" W
0E0'0" N 0E0'0" W

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 3.5

General Comments About The Reference Site
added by Jenny Owens, 10/23/1997

14. Disposal Site Management:
No disposal management was performed
Site Monitoring was performed
Bathymetry Monitoring was performed
Physical Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

19. Point of Contact: PHIL PAYONK 910-251-4589

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2567]

2. Permit start date/expire date: (Permitted Project)
   Location: ORANGE COUNTY
   Date issued: 03/10/98 Expire Date: 01/26/02

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SUNSET HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 31,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: / /
   c. Actual completion: / /

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 36
    Site Name: LOS ANGELES/LONG BEACH (LA-2)
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site

Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

All material was placed at LA-2. 40,600 placed; 100,000 cy permitted. File no. 97-087-R. Have data for chlorinated hydrocarbons: 4 samples, ave = 0.05., low 0.01, high 0.19; and petroleum hydrocarbons: 4 samples, ave 143.25, low 54, high 230.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2565]

2. Permit start date/expire date: (Permitted Project)
   Location: U.S. NAVY
   Date issued: 09/27/99 Expire Date: 03/21/00

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. ANAHEIM BAY, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 8,100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 01/01/00
   c. Actual completion: 01/15/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 36
    Site Name: LOS ANGELES/LONG BEACH (LA-2)
    Geographical position: (NAD 1983)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E37'06.0" N 118E17'24.0" W
Depth(ft): Low Depth- 380 High Depth- 1060
Nearest Distance from shore (nm): 5.2

General Comments About The Disposal Site

Restrictions: Disposal shall be limimted to dredged materials that comply with EPA's Ocean Dumping Regulations.

Reference Site Location:
Site No: 195
Site Name: LA-2 REFERENCE

Geographical position (NAD 1927)

33E 33' 11. N 118E 10' 49. W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
added by David Zoutendyk 10/22/1997

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Seal Beach Project: File No. 1999-15673-RLK.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2566]

2. Permit start date/expire date: (Permitted Project)
   Location: ORANGE COUNTY
   Date issued: / / Expire Date: / /

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. DANA POINT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 24,400

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: / /
   c. Actual completion: 11/10/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 1999

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 17
    Site Name: NEWPORT BEACH (LA-3)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 170
Site Name: REFERENCE SITE NOT NEEDED FOR THIS MATERIAL

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Project File 97-087-RRS (VW/EL).

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2568]

2. Permit start date/expire date: (Permitted Project)
   Location: U.S. NAVY
   Date issued: / / Expire Date: 02/17/01

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SAN DIEGO BAY, SAN DIEGO COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HOPPER DREDGE
   b. Mode of transportation: HOPPER DREDGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 65,000

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 09/15/00
   c. Actual completion: 11/01/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Not Known if data calculated on a Wet or Dry Basis)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	2.1000000	4	1.400000	1.600000	1.500000
MERCURY	1	0.0600000	4	0.130000	0.180000	0.140000
CADMIUM	1	0.1000000	4	0.200000	0.300000	0.280000
LEAD	1	5.6000000	4	8.500000	24.900000	13.500000
CHROMIUM	1	17.4000000	4	9.800000	11.100000	10.400000
COPPER	1	8.0000000	4	17.000000	22.900000	21.100000
NICKEL	1	9.2000000	4	4.500000	5.300000	4.930000
ZINC	1	29.0000000	4	35.000000	77.100000	47.100000
SELENIUM	1	0.1000000	4	0.200000	0.300000	0.230000
SILVER	1	0.1000000	4	0.200000	0.400000	0.300000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	1	0.0000000	4	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PAH	1	0.0000000	4	0.000000	230.000000	121.750000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL SOLIDS	62	0.0000000	4	79.500000	82.400000	80.480000
OIL + GREASE	1	0.0000000	4	0.000000	13.700000	6.150000
TOTAL SULFIDES	1	0.0000000	4	0.000000	0.000000	0.000000
% SAND	1	48.7000000	3	4405.000000	53.100000	48.070000
% SILT	1	40.7000000	3	31.500000	49.400000	38.200000
% CLAY	1	10.5000000	3	3.200000	16.400000	10.200000

ACID VOLATILES

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PHENOLS	1	0.0000000	4	0.000000	0.000000	0.000000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: HOPPER DREDGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
    Site No. 38
    Site Name: SAN DIEGO 100 FATHOM (LA-5)
    Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
32E36'50.0" N 117E20'40.0" W
Depth(ft): Low Depth- 460 High Depth- 660
Nearest Distance from shore (nm): 6.0

General Comments About The Disposal Site

Restrictions: Disposal shall be limited to dredged materials comply with EPA's Ocean Dumping Regulations and Corps Permitting Regulations.
Coordinates modified 9/24/96 per David Zoutendyk.

Reference Site Location:
Site No: 191
Site Name: SAN DIEGO REFERENCE SITE

Geographical position:

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
Added by David Zoutendyk on 9/24/96.

14. Disposal Site Management:
No disposal management was performed
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

permit file: 97-20146-DZ. Pier 3 project (P-338S).

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2569]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 09/11/00 Expire Date: 07/24/05

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 500

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/01/00
   c. Actual completion: 10/05/00

8. Composition of the dredged material.

Chemical Data For This Dredging Project
(ug/g or ppm unless otherwise indicated)

(Data Reported as Dry Weight)

Sediment Chemical Characteristics

METALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
ARSENIC	1	12.0000000	12	3.200000	20.000000	8.560000
MERCURY	1	0.0000000	12	0.045000	0.570000	0.140000
CADMIUM	1	0.8400000	12	0.000000	2.200000	0.400000
LEAD	1	16.0000000	12	9.500000	51.000000	19.630000
CHROMIUM	1	34.0000000	12	6.500000	120.000000	26.130000
COPPER	1	12.0000000	12	8.600000	66.000000	29.090000
NICKEL	1	20.0000000	12	3.700000	32.000000	12.510000
ZINC	1	58.0000000	12	30.000000	160.000000	75.500000
SELENIUM	1	0.0000000	12	0.000000	0.000000	0.000000
SILVER	1	0.0000000	12	0.000000	0.000000	0.000000

PCB

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL PCB	1	0.0000000	12	0.000000	0.000000	0.000000

PAH

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
NAPHTHALENE	1	0.0000000	12	0.000000	43.000000	8.330000
BENZO(A)ANTHRACENE	1	0.0000000	12	0.000000	19.000000	5.880000
BENZO(B)FLUORANTHENE	1	0.0000000	12	0.000000	17.000000	4.820000
ACENAPHTHYLENE	1	0.0000000	12	0.000000	0.000000	0.000000
CHRYSENE	1	0.0000000	12	0.000000	35.000000	10.420000
BENZO(K)FLUORANTHENE	1	0.0000000	12	0.000000	9.500000	3.230000
ACENAPHTHENE	1	0.0000000	12	0.000000	0.000000	0.000000
FLUORANTHENE	1	0.0000000	12	0.000000	46.000000	11.370000
BENZO(GHI)PERYLENE	1	0.0000000	12	0.000000	15.000000	5.800000
FLUORENE	1	0.0000000	12	0.000000	0.000000	0.000000
PYRENE	1	0.0000000	12	0.000000	30.000000	14.150000
ANTHRACENE	1	0.0000000	12	0.000000	0.000000	0.000000
BENZO(A)PYRENE	1	0.0000000	12	0.000000	20.000000	7.660000
INDENO(1,2,3-CD)PYRENE	1	0.0000000	12	0.000000	11.000000	0.920000
PHENANTHRENE	1	0.0000000	12	0.000000	20.000000	4.500000
DIBENZE(A,H)ANTHRACENE	1	9.5000000	12	0.000000	17.000000	4.560000

TINS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TRIBUTYLTIN	1	0.0000000	12	0.000000	13.900000	1.630000
DIBUTYLTIN	1	0.0000000	12	0.000000	0.000000	0.000000
MONOBUTYLTIN	1	0.0000000	12	0.000000	0.000000	0.000000

CONVENTIONALS

Chemical Name	# Of Obs	Detection Limit	# > DL	Lowest Value	Highest Value	Mean Value
TOTAL SULFIDES	1	0.0000000	12	30.000000	650.000000	124.170000
% SAND	1	68.7600000	12	0.000000	74.640000	28.580000
% SILT	1	69.3900000	12	0.000000	65.680000	32.170000
% CLAY	1	16.8100000	12	0.000000	30.640000	14.090000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 17
Site Name: NEWPORT BEACH (LA-3)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 195
Site Name: LA-2 REFERENCE

Geographical position (NAD 1927)

33E 33' 11. N 118E 10' 49. W
Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
added by David Zoutendyk 10/22/1997

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

File No. 2000-1727-SMS. RGP No. 54 project. Includes data for all RGP No. 54 projects.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2570]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 10/10/00 Expire Date: 06/24/05

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 300

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/15/00
   c. Actual completion: 10/20/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 0

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 17
Site Name: NEWPORT BEACH (LA-3)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

RGP No. 54. File No. 200001819-SMS

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2571]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 10/10/00 Expire Date: 06/24/05

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 500

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/15/00
   c. Actual completion: 10/20/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 2000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 17
Site Name: NEWPORT BEACH (LA-3)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

RGP No. 54. File No. 2000-01817-SMS.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2572]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 10/10/00 Expire Date: 06/24/05

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/15/00
   c. Actual completion: 10/20/00

8. Composition of the dredged material.

CHEMICAL DATA FOR THIS PROJECT WAS REPORTED IN 2000

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 17
Site Name: NEWPORT BEACH (LA-3)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

RGP No. 54. File No. 2000-01817-SMS

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2573]

2. Permit start date/expire date: (Permitted Project)
   Location: CITY OF NEWPORT BEACH
   Date issued: 10/11/00 Expire Date: 06/24/05

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. NEWPORT HARBOR, ORANGE COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 100

7. Expected frequency of dumping (for reporting period):
   a.
   b. Actual start: 10/15/00
   c. Actual completion: 10/20/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 17
Site Name: NEWPORT BEACH (LA-3)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
33E41'42.0" N 117E54'48. " W
Depth(ft): Low Depth- 1500 High Depth- 0
Nearest Distance from shore (nm): 4.3

Reference Site Location:
Site No: 121
Site Name: REFERENCE SITE NOT REPORTED

14. Disposal Site Management:
Seasonal restrictions were enforced
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

RGP. No. 54. File No. 2000-01865-ESL.

19. Point of Contact: RUSSELL KAISER 213-452-3293

Report of Ocean Dumping Permits - CY 2000

1. Issuing Authority- District: SPL [DS= 2574]

2. Permit start date/expire date: (Permitted Project)
   Location: US NAVY
   Date issued: 07/12/00 Expire Date: 07/11/04

3. Country of origin of wastes and port of loading:
   a. UNITED STATES OF AMERICA
   b. SAN DIEGO BAY, SAN DIEGO COUNTY, CALIFORNIA

4. Specification of dredged material and process from which derived:
   a. Mode of dredging: HYDRAULIC DREDGE
   b. Mode of transportation: DUMP SCOW or BARGE

5. Form in which dredged material is presented for disposal:
   SLURRY or NONCOHESIVE

6. Total quantity (cubic meters): 18,600

7. Expected frequency of dumping (for reporting period):
   a. INTERMIT
   b. Actual start: 01/01/00
   c. Actual completion: 12/30/00

8. Composition of the dredged material.

CHEMICAL DATA WAS NOT ACQUIRED FOR THIS PROJECT THIS YEAR

9. Properties: Not Applicable

10. Method of Packaging: Not Applicable

11. Method of release: DUMP SCOW OR BARGE

12. Procedure and site for tank washing: NOT APPLICABLE

13. Approved disposal site:
Site No. 38
Site Name: SAN DIEGO 100 FATHOM (LA-5)
Geographical position: (NAD 1927)

Disposal site is a circle with a diameter of 6000 feet.

Center of Site is:
32E36'50.0" N 117E20'40.0" W
Depth(ft): Low Depth- 460 High Depth- 660
Nearest Distance from shore (nm): 6.0

General Comments About The Disposal Site
Restrictions: Disposal shall be limited to dredged materials comply with EPA's Ocean Dumping Regulations and Corps Permitting Regulations.
Coordinates modified 9/24/96 per David Zoutendyk.

Reference Site Location:
Site No: 191
Site Name: SAN DIEGO REFERENCE SITE

Geographical position:

Depth (ft): Low Depth- 0 High Depth- 0
Nearest Distance from shore (nm): 0.0

General Comments About The Reference Site
Added by David Zoutendyk on 9/24/96.

14. Disposal Site Management:
Seasonal restrictions were enforced
Selective Disposal was used
No Site Monitoring was performed

15. Bioassay Elutriate Information (Organisms Tested):
No Bioassay testing was done

16. Bioassay Solid Phase Information (Organisms Tested):
No Bioassay testing was done

17. Bioassay Bioaccumulation Information (Organisms Tested):
No Bioassay testing was done

18. General Comments

Pier 700A - Homeport II project. File No. 9820-04900-RLK. Note.
Reams of data available for viewing at the Los Angeles Office as well as at the San Diego Field Office.

19. Point of Contact: RUSSELL KAISER 213-452-3293