



Cal/EPA

**Los Angeles
Regional Water
Quality Control
Board**

101 Centre Plaza Drive
Monterey Park, CA
91754-2156
(213) 266-7500
FAX (213) 266-7600

April 11, 1997

Mr. Brian Hughart
Department of the Navy
Naval Construction Battalion Center,
Environmental Department
1000 23rd Avenue
Port Hueneme, CA 93043-4301

D/CRJ



Pete Wilson
Governor

WASTE DISCHARGE REQUIREMENTS - DEPARTMENT OF THE NAVY, NAVAL CONSTRUCTION BATTALION CENTER Bldg. #272 & Bldg. #73 (NPDES Permit No. CA0059447, CI No. 6720)

Our letter dated February 10, 1997, transmitted tentative requirements for your discharge of water softener regeneration brine, rinse water, filter backwash, swimming pool filter backwash, and swimming pool drainage water into two storm drains.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public hearing held on April 7, 1997, reviewed the tentative requirements, considered all factors in the case, and adopted Order No. 97-031 (copy attached) relative to this waste discharge. This Order serves as permit under the National Pollutant Discharge Elimination System (NPDES), and expires on February 10, 2002. Section 13376 of the California Water Code requires that an application for a new permit must be filed at least 180 days before the expiration date.

The "Monitoring and Reporting Program" requires you to implement the monitoring program on the effective date of this Order. Your first monitoring report is due by July 15, 1997. All monitoring reports should be sent to the Regional Board, ATTN: Technical Support Unit.

When submitting monitoring or technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. 6720", which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other reports with your monitoring reports. Submit each type of report as a separate document.

As the Board adopted the tentative requirements without changes, we are sending the final copy only to the applicant. For those on the mailing list, please add Order No. 97-031 to the tentative Order previously sent to you. A copy of the final Order as adopted will be furnished to anyone who requests it.

To save printing and postage costs, the Standard Provisions (Attachment N) are being sent only to the Discharger; however, anyone may obtain a copy by contacting the Board staff listed below.



Our mission is to preserve and enhance the quality of California's water resources, and ensure their proper allocation and efficient use for the benefit of present and future generations.

Mr. Brian Hughart
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If you have any questions, please contact Veronica Cuevas-Alpuche at (213) 266-7595 or call me at (213) 266-7596.



Mark Pumford, Chief
Ventura Coastal Watershed Unit

Enclosure(s)

cc: Environmental Protection Agency, Region 9, Permits Branch (WTR-5)
U.S. Department of Fish and Wildlife, Division of Ecological Services
NOAA, National Marine Fisheries Service
Mr. John Youngerman, State Water Resources Control Board,
Division of Water Quality
Mr. Jorge Leon, State Water Resources Control Board, Office of Chief Counsel
California Department of Fish and Game, Region 5
California Department of Health Services, Environmental Branch
California Coastal Commission, South Coast Region
Ventura County Department of Environmental Health
Ventura County Planning Commission
Ventura County Regional Marine Fisheries Service

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 97-031

NPDES NO. CA0059447

WASTE DISCHARGE REQUIREMENTS
for
DEPARTMENT OF THE NAVY
NAVAL CONSTRUCTION BATTALION CENTER
(Building # 272 and Building # 73)

The California Regional Water Quality Control Board, Los Angeles Region (Regional Board) finds:

1. Department of the Navy (hereinafter the Navy) discharges wastes under waste discharge requirements contained in Order No. 86-003, adopted by this Board on January 27, 1986.
2. The Navy has filed a Report of Waste Discharge (ROWD) and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permit.
3. The Navy's Naval Construction Battalion Center (NCBC), located in Port Hueneme, California, discharges up to 80,000 gallons per day (gpd) of water softener regeneration brine, rinse water, and filter backwash from their NCBC Building 272, into the storm drain; and proposes to discharge swimming pool filter backwash and drainage water from their NCBC Building 73. The Navy proposes to discharge flow from their NCBC as follows: up to 80,000 gallons per day (gpd) of water softening filter backwash, regeneration, and rinsing water, into a storm drain on Patterson Road, near Mill Road, through Discharge Serial No. 001 (Latitude 34°10'23", Longitude 119°12'33"); and up to 120,000 gpd of swimming pool filter backwash and 500,000 gallons of swimming pool drainage water, into a storm drain on Coats Street, through Discharge Serial No. 002 (Latitude 34°10'04", Longitude 119°11'48"). The waste water would then flow to Port Hueneme Harbor, a water of the United States, within the Ventura Coastal Watershed Management Area. Figure 1 shows the location of the facility and of the discharge points. Figures 2 and 3 show the water flow diagrams for Discharge Serial No. 001 and Discharge Serial No. 002, respectively.
4. NCBC filed a Notice of Intent (NOI) for the entire NCBC facility to comply with the *General NPDES Permit for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities*, on March 24, 1992. The State Water Resources Control Board assigned WDID No. 4A56S002870 to their facility. NCBC implements a storm water pollution prevention plan (SWPPP) and submits annual reports to this Regional Board.

February 10, 1997

5. The ROWD characterizes the discharge as follows:

<u>Constituent</u>	<u>Unit</u>	<u>Maximum Daily Value</u>	
		<u>Serial No. 001</u>	<u>Serial No. 002</u>
pH	pH units	7.8	7.5
Temperature	°C	17.8	17.8
BOD ₅ 20 °C	mg/L	2.0	ND
Total Suspended solids	mg/L	40	230

6. The Board adopted a revised Water Quality Control Plan (Basin Plan) for the Coastal Watersheds of Los Angeles and Ventura Counties on June 13, 1994. The Basin Plan contains beneficial uses and water quality objectives for the Port Hueneme Harbor other tributaries of the Ventura Coastal Watershed. The requirements contained in this Order, as they are met, will be in conformance with the goal of the Basin Plan and will protect and maintain the beneficial uses of the receiving waters.

7. The beneficial uses of the receiving surface waters are:

Port Hueneme (Harbor) - Hydro Unit No. 403.11

- existing: industrial process supply, navigation, contact and non-contact water recreation, commercial and sport fishing, marine habitat, and wildlife habitat.

8. The 1996 State Water Resources Control Board's (SWRCB) Water Quality Assessment (WQA) identified the water quality conditions of water bodies in the state. Within the Ventura Coastal Watershed, Port Hueneme Harbor is listed as having an impaired aquatic life beneficial use. Pollutants causing impairment are: elevated levels of polycyclic aromatic hydrocarbons (PAHs) found in sediment, and excessive amounts of DDT, PCBs, TBT, and zinc found in fish and/or mussel tissue. Known and/or suspected pollution sources include: urban and agricultural runoff, septic tanks, abandoned wells, seawater intrusion, mining operations, and storm water.
9. The issuance of waste discharge requirements for this discharge is exempt from provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

The Board has notified the discharger and interested agencies and persons of its intent to issue waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public hearing heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Clean Water Act, or amendments thereto, and shall take effect at the end of ten days from the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED that the Navy, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, and the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

I. EFFLUENT LIMITATIONS

- A. Wastes discharged shall be limited to softening filter backwash, regeneration, and rinsing water, swimming pool filter backwash, and swimming pool drainage water, as proposed.
- B. The discharge of an effluent with constituents in excess of the following limits is prohibited:

1. For Discharge Serial No. 001:

<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitations</u>	
		<u>30-Day Average</u>	<u>Daily Maximum</u>
Settleable solids	ml/L	0.1	0.2
Suspended solids	mg/L	50	75
	lbs/day ^{1/}	33	50
Oil and grease	mg/L	10	15
	lbs/day ^{1/}	6.7	10
BOD ₅ 20°C	mg/L	20	30
	lbs/day ^{1/}	13	20

^{1/} Based on the maximum waste flow rate of 80,000 gpd.

2. From Discharge Serial No. 002:

<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitations</u>	
		<u>30-Day Average</u>	<u>Daily Maximum</u>
Settleable solids	ml/L	0.1	0.2
Suspended solids	mg/L	50	75
	lbs/day ^{1/}	50	75

<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitations</u>	
		<u>30-Day Average</u>	<u>Daily Maximum</u>
Oil and grease	mg/L	10	15
	lbs/day ^{1/}	10	15
BOD ₅ 20°C	mg/L	20	30
	lbs/day ^{1/}	20	30
Residual chlorine	mg/L	---	0.1
	lbs/day ^{1/}	---	0.1
Copper	µg/L	---	12
	lbs/day ^{1/}	---	0.012
Iron	µg/L	---	300
	lbs/day ^{1/}	---	0.3
Lead	µg/L	---	8
	lbs/day ^{1/}	---	0.008
Zinc	µg/L	---	80
	lbs/day ^{1/}	---	0.08

^{1/} Based on the maximum waste flow rate of 120,000 gpd.

II. REQUIREMENTS AND PROVISIONS

- A. Discharge of wastes to any point other than specifically described in this Order is prohibited and constitutes a violation thereof.
- B. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements." If there is any conflict between provisions stated hereinbefore and attached "Standard Provisions", those provisions stated hereinbefore prevail.
- C. This Order includes the attached Monitoring and Reporting Program. If there is conflict between provisions stated in the Monitoring and Reporting Program and the Standard Provisions, those provisions stated in the former prevail.

Department of the Navy
(Naval Construction Battalion Center
- Bldg. No. 272 and Bldg. No. 73)

CA0059447
Order No. 97-031

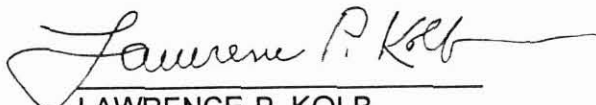
D. This Order may be modified, revoked and reissued or terminated in accordance with the provisions of 40 CFR Part 122.44, 122.62, 122.63, 122.64, 125.62, and 125.64.

III. EXPIRATION DATE

This Order expires on February 10, 2002.

The discharger must file a Report of Waste Discharge in accordance with Title 23, California administrative Code, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

I, Lawrence P. Kolb, Acting Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region on March 3, 1997.



LAWRENCE P. KOLB
Acting Executive Officer

/AVCA

FIGURE 1

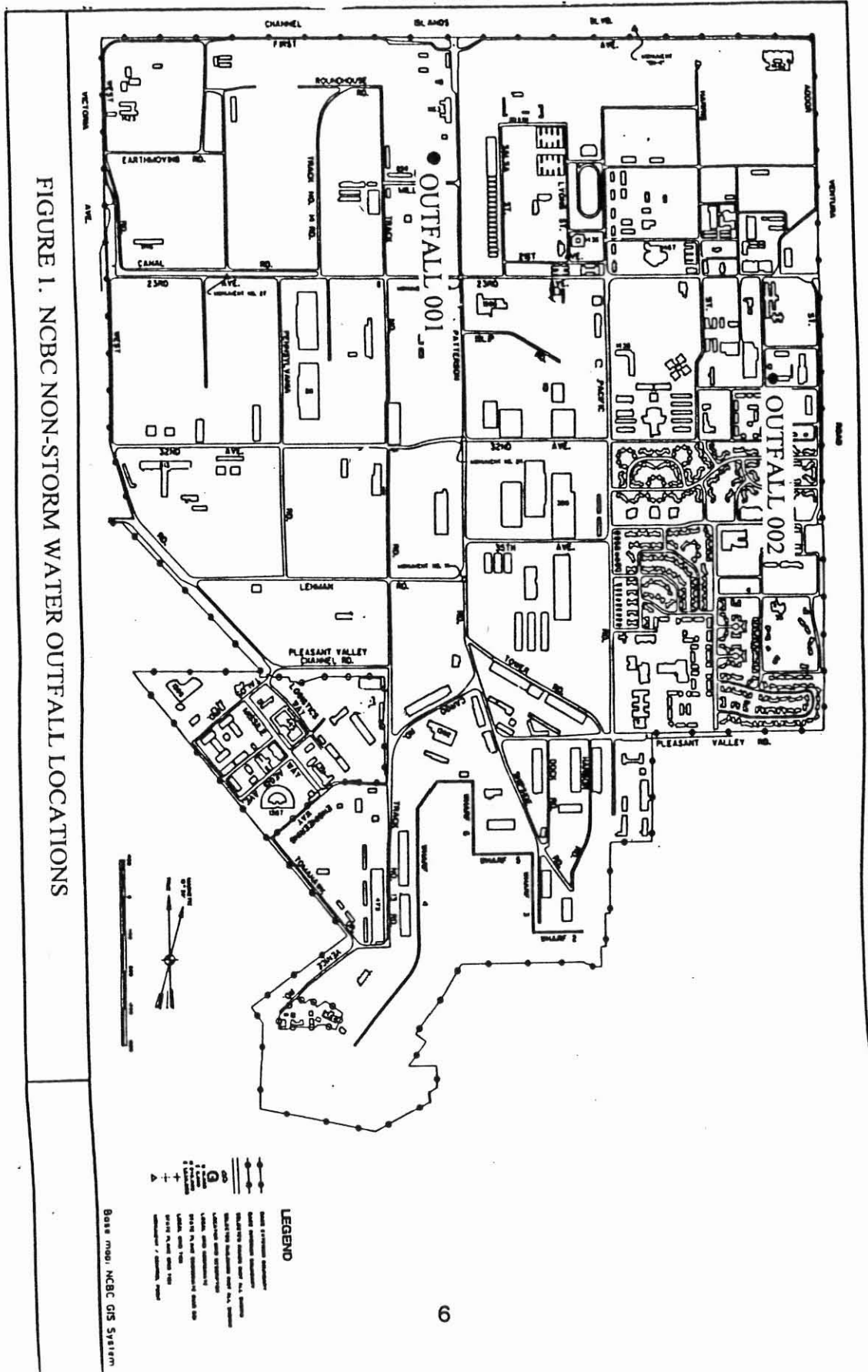
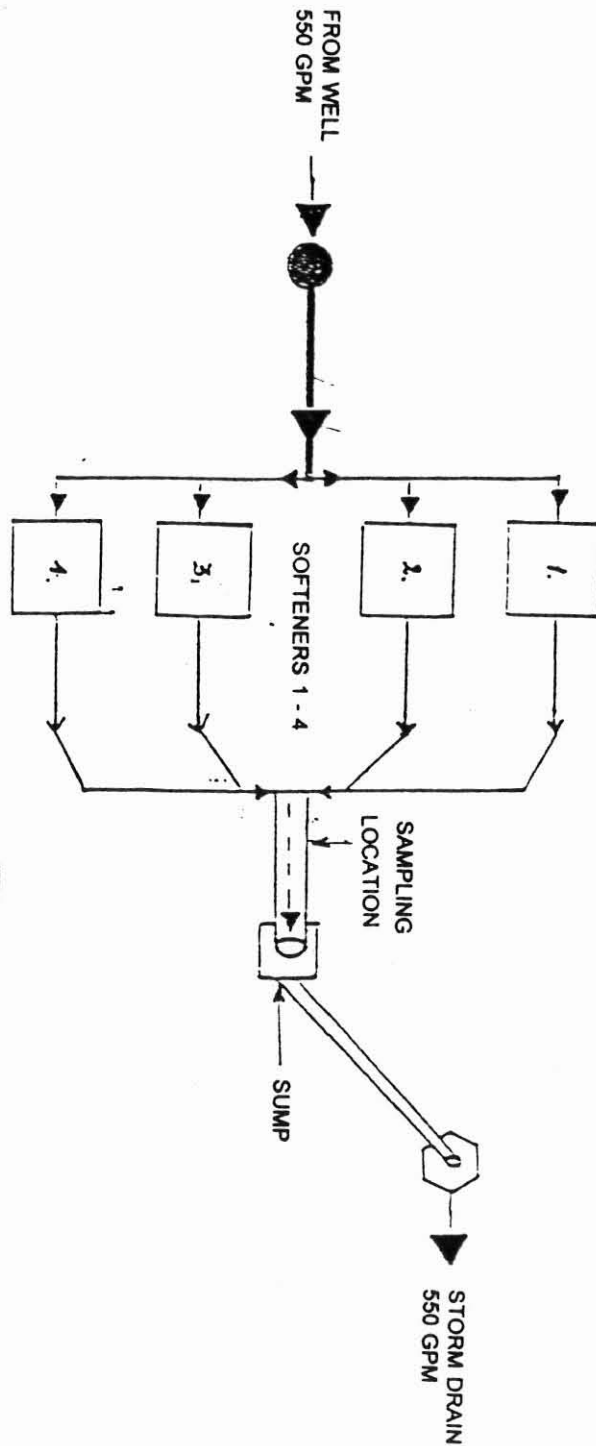


FIGURE 1. NCBC NON-STORM WATER OUTFALL LOCATIONS

FIGURE 2

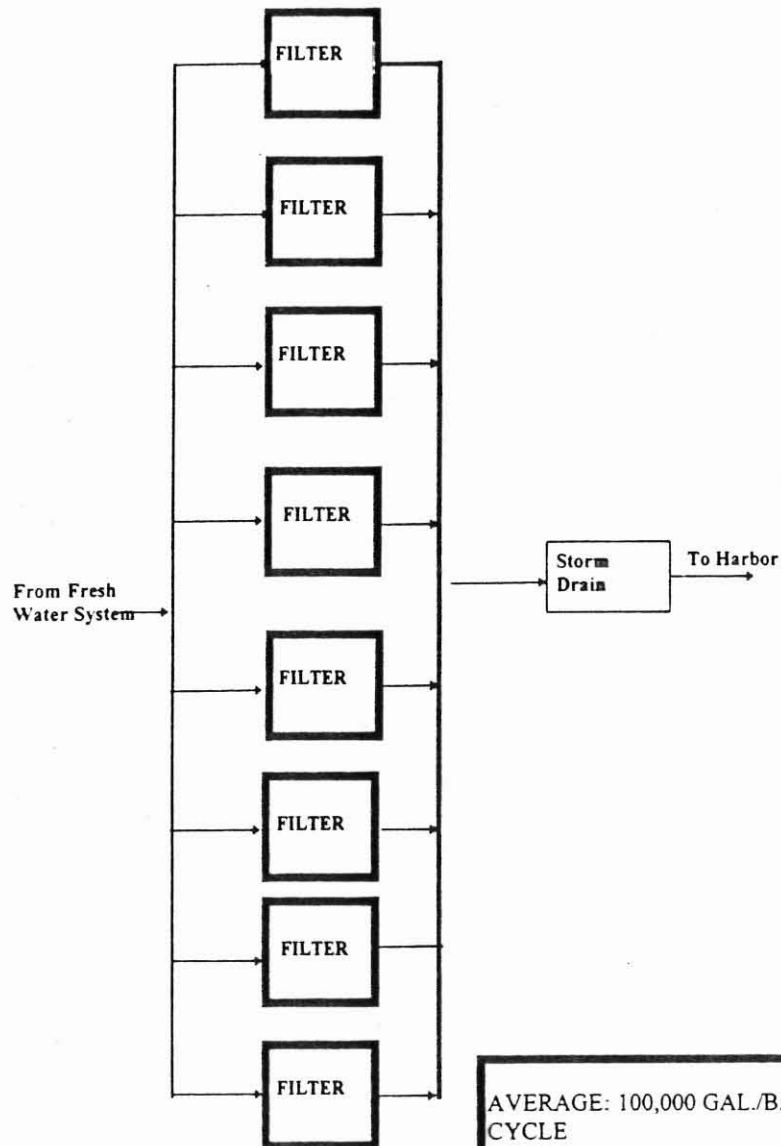
**SCHEMATIC: WATER FLOW DURING SOFTENER BACKWASH CYCLE
OUTFALL 001**



AVERAGE: 33,844 GALLONS/ DAY
LOCATION: BUILDING 272 FILTER PLANT
LONGITUDE: 119° 12'33"
LATITUDE: 34°10'23"

FIGURE 3

SCHMATIC: WATER FLOW DURING POOL
FILTER BACKWASH - OUTFALL 002



AVERAGE: 100,000 GAL./BACKWASH
CYCLE
BLDG: 73
LONGITUDE: 119° 11' 48"
LATITUDE: 34° 10' 4"

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6720
for
DEPARTMENT OF THE NAVY
(Naval Construction Battalion Center - Bldg. 272 & Bldg. 73)
(CA0059447)

I. REPORTING REQUIREMENTS

The discharger shall implement this monitoring program from the effective date of this order. The first monitoring report under this program is due by July 15, 1997.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15
Annual Report	March 1

If there is no discharge, the report shall so state.

II. EFFLUENT MONITORING REQUIREMENTS

- A. A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. In the event that waste streams from sources are combined for treatment or discharge, representative sampling stations shall be at that place to ensure that the quantity of each pollutant or pollutant property attributable to each waste source regulated by effluent limitations can be determined.
- B. The detection limits employed for effluent analyses shall be lower than the permit limits established for a given parameter, unless the discharger can demonstrate that a particular detection limit is not attainable and obtains approval for a higher detection limit from the Executive Officer. At least once per year, the discharger shall submit a list of the analytical methods employed for each test and associated laboratory quality assurance/quality control procedures.

February 10, 1997

- C. This Regional Board shall be notified in writing of any change in the sampling stations once established or in the methods for determining the quantities of pollutants in the individual waste streams.
- D. Quarterly effluent analyses shall be performed during the months of February, May, August and November. Semiannual effluent analyses shall be performed during the months of February and August. Annual effluent analyses shall be performed during the month of February. Results of quarterly, semiannual and annual analyses shall be reported in the appropriate monthly monitoring report.
- E. Effluent Monitoring Program

1. The following shall constitute the effluent monitoring program for the Discharge Serial No. 001:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total waste flow	gal/day	---	weekly
Temperature	°F	grab	monthly
pH	pH units	grab	monthly
BOD ₅ 20°C	mg/L	grab	quarterly
Oil and grease	mg/L	grab	quarterly
Settleable solids	ml/L	grab	quarterly
Suspended solids	mg/L	grab	quarterly

2. The following shall constitute the effluent monitoring program for the Discharge Serial No. 002:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total waste flow	gal/day	---	weekly
Temperature	°F	grab	monthly
pH	pH units	grab	monthly
BOD ₅ 20°C	mg/L	grab	monthly
Oil and grease	mg/L	grab	monthly
Settleable solids	ml/L	grab	monthly
Suspended solids	mg/L	grab	monthly
Residual chlorine ^{1/}	mg/L	grab	monthly


Department of the Navy
(Naval Construction Battalion Center - Bldg. 272 & Bldg. 73)
Monitoring and Reporting Program No. CI-6720

CA0059447
Order No. 97-031

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Copper	$\mu\text{g/L}$	grab	monthly ^{1/}
Iron	$\mu\text{g/L}$	grab	monthly ^{1/}
Lead	$\mu\text{g/L}$	grab	monthly ^{1/}
Zinc	$\mu\text{g/L}$	grab	monthly ^{1/}

^{1/} If the results of three consecutive monthly analyses for a constituent are not detectable, the frequency of analysis may revert to quarterly.

Ordered by


LAWRENCE P. KOLB
Acting Executive Officer

Date: April 7, 1997

/AVCA