DEPARTMENT OF THE NAVY
LONG BEACH NAVAL SHIPYARD
LONG BEACH, CALIFORNIA 90822-5099

IN REPLY REFER TO:
5090
Ser 410/317

15 JUL 1991

N60258.000117
NSY LONG BEACH
SSIC #5090.3

EPA Pretreatment Program
Bureau of Sanitation
Attn: Mr. Frank Bajinting, Enforcement Division
4600 Colorado Blvd.
Los Angeles, CA 90039

Gentlemen:

Enclosed is the June 1991 Industrial Wastewater Self-Monitoring Report (SMR) for Long Beach Naval Shipyard. Chromium exceeds local limit. We are aggressively continuing our efforts to mitigate the heavy metal program as our Industrial Wastewater Study, forwarded by LBNSY letter Ser 410/313 of 3 July 1991 shows. The dissolved sulfide is higher than the local discharge limit, however, samples taken 17 June and 19 June indicate compliance, with sulfide levels at .1 ppm. An isolated high point of 3.0 ppm occurred again on 21 June 1991, and levels dropped to less than .1 ppm from 24 June through 01 July 1991. To better understand system characteristics and fluctuations in dissolved sulfide concentrations, an extensive sampling/analysis program will begin on 22 July 1991.

We look forward to meeting with you in the coming weeks to further discuss our progress. Point of contact is Mr. Dave Baillie at (213) 547-7868.

Sincerely,

T. G. AVGERINOS
Director
Environmental Protection Division
Public Works Department
By direction of the Shipyard Commander

Encl:
(1) Self-Monitoring Report Form MI433A2E

Copy to:
SWNAVFACENGCOM, Code 114

N60258.001117
NSY LONG BEACH
SSIC # 5090.3

ENCLOSURE (1)
SELF-MONITORING REPORT FORM MI433A2E

INDUSTRIAL WASTEWATER SELF-MONITORING REPORT (SMR) – JUNE,1991

DATED 15 JULY 1991

BUREAU SANITATION

PERIODIC COMPLIANCE REPORT

FORM - MI433A2E
EPA MONTHLY PERIODIC COMPLIANCE REPORT FOR EXISTING SOURCE INTEGRATED CAPTIVE METAL FINISHING SHOP WITH AN AVERAGE DISCHARGE FLOW GREATER THAN 10,000 GPD (40 CFR 433)

SEND REPORT TO:
BUREAU OF SANITATION
ENFORCEMENT DIVISION
4800 COLORADO BLVD
LOS ANGELES CA 90039
ATTN: REPORTING SECTION

I.W. PERMIT # W- 426223 PHONE # (213) 547-7868

COMPANY NAME: LONG BEACH NAVAL SHIPYARD

COMPANY ADDRESS: TERMINAL ISLAND, LONG BEACH, CA 90822-5099

MAXIMUM DAILY FLOW: (GPD) ☐ MEASURED ☐ ESTIMATED ☐ CALCULATED

AVERAGE DAILY FLOW: 847,501 (GPD) ☐ MEASURED ☐ ESTIMATED ☑ CALCULATED

UNREGULATED FLOW: (GPD) ☐ MEASURED ☐ ESTIMATED ☐ CALCULATED

DILUTION FLOW: (GPD) ☐ MEASURED ☐ ESTIMATED ☐ CALCULATED

CYANIDE WASTE FLOW: (GPD) ☐ MEASURED ☐ ESTIMATED ☐ CALCULATED

REPORTING PERIOD (CHECK ONE)

☐ JAN ☐ JUL 19..
☐ FEB ☐ AUG 19..
☐ MAR ☐ SEP 19..
☐ APR ☐ OCT 19..
☐ MAY ☐ NOV 19..
☑ JUN ☐ DEC 19..

REGULATED TOXIC ORGANICS INVENTORY LIST INVENTORY DATE:

REGULATED TOXIC ORGANICS USED (IF NONE MUST STATE NONE)	AMOUNT USED PER MONTH	REGULATED TOXIC ORGANICS USED (IF NONE MUST STATE NONE)	AMOUNT USED PER MONTH
XYLENE	20 GAL/MO	N/A	N/A
TOLUENE	19 "	"	"
TRICHLOROETHANE	180 "	"	"
FREON 113	75 "	"	"
ACETONE	3 "	"	"
			"

SAMPLE #	LOCATION SAMPLE TAKEN	LABORATORY NAME	SAMPLE TAKEN BY (PERSON NAME)	PRENOTIFICATION DATE ** MM/DD/YY	REPORTED FLOW (GPD)	FLOW WAS * (CHECK) M	E	C
1	PIT-E	NAVY PWC LAB.,	LAMBERT, M.	5-29-91	847,501			✓
2	N/A	San Diego, CA.						
3	"							
4	"							

* M - MEASURED E - ESTIMATED C - CALCULATED ** TO PRENOTIFY CALL (213) 485-5874

REPRODUCED AT GOVERNMENT EXPENSE

FORM MI433A2E(CONTINUE) I.W. PE T #: W- 426223

POLLUTANTS (in mg/l)	FEDERAL LIMITS (POINT SOURCE) MAXIMUM DAILY (A)	FEDERAL LIMITS (POINT SOURCE) MAXIMUM MONTHLY (B)	ALTERNATIVE LIMITS FOR DAILY MAX. AND MONTHLY AVERAGE USING CWF	LOCAL LIMITS INSTANTANEOUS MAXIMUM (C)	LAB SAMPLE # 1 SAMPLE DATE 6/16/91	VIOL (A) AND/OR (B) (C)	LAB SAMPLE # 2 SAMPLE DATE / /	VIOL (A) AND/OR (B) (C)	LAB SAMPLE # 3 SAMPLE DATE / /	(A) AND/OR (B) (C)	SAMPLE DATE / /	(A) AND/OR (B) (C)	THE RESULTS OF	(D) YES /NO
ARSENIC				0.05	0.005	NO								
CADMIUM	0.69	0.26	0.23/ 0.09	0.10	0.045	NO								
COPPER	3.38	2.07	1.13/ 0.69	3.00	0.283	NO								
NICKEL	3.98	2.38	1.33/ 0.79	0.40	0.22	NO								
SILVER	0.43	0.24	0.14/ 0.08	0.70	0.048	NO								
CHROMIUM	2.77	1.71	0.92/ 0.57	0.05	.39	(C) YES								
ZINC	2.61	1.48	0.87/ 0.49	2.50	0.307	NO								
LEAD	0.69	0.43	0.23/ 0.14	1.00	0.13	NO								
t. METALS					—	—								
CYANIDE(f)	0.86	0.32	0.29/ 0.11	----	NON DET.	NO								
CYANIDE(t)	1.20	0.65	0.40/ 0.22	0.60	NON DET.	NO								
D. SULFIDES				0.10	2.14	YES								
TTO	2.13		0.71/			NO								
pH (pH unit)				5.5 - 11.0	7.95	NO								
OIL & GREASE				100.0	12.10	NO								
CHLORIDES				-----	7166.6	—								

t = TOTAL, f=FREE, D=DISSOLVED, VIOL=VIOLATION, TTO=TOTAL TOXIC ORGANICS, CALC.=CALCULATED, CWF=COMBINED WASTESTREAMS FORMULA, MAX.=MAXIMUM
(CALCULATIONS FOR COMBINED WASTESTREAMS FORMULA BASED ON AVERAGE PROCESS FLOW OF 300,000 GPD AND AVERAGE TOTAL FLOW OF [illegible] GPD)

IF IN VIOLATION, ATTACH A STATEMENT OF REASON FOR VIOLATION AND CORRECTIVE ACTION TAKEN

I CERTIFY THAT OUR COMPANY [ ] IS [ ] IS NOT CONSTANTLY IN COMPLIANCE WITH THE EPA PRETREATMENT STANDARDS AND THE CITY OF LOS ANGELES EFFLUENTS LIMITS. I HAVE PROPERLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED IN THIS DOCUMENT AND ATTACHMENTS. BASED ON MY INQUIRY OF THOSE INDIVIDUALS RESPONSIBLE FOR OBTAINING THE INFORMATION SUBMITTED HEREIN, I CERTIFY THAT THE SUBMITTED INFORMATION IS TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT AS DIRECTED BY THE 40 CFR 403.12 (K) AND L.A.M.C.64.30 (C) 8.

AUTHORIZED REPRESENTATIVE SIGNATURE	PRINT NAME	TITLE	DATE
T. A. Avgerinos	T.G. AVGERINOS	DIRECTOR, CODE 410	7-8-91

BTV/MI433A2E/REV/5/91

Navy Public Works Center
Environmental Engineering Laboratory Code 642
Naval Air Station North Island Bldg 700
San Diego, CA 92135
(619) 545-8431

ACTIVITY: LONG BEACH NAVAL SHIPYARD
TYPE OF SAMPLE: WASTE WATER
DATE SAMPLE COLLECTED: 6-06-91
DATE SAMPLE RECEIVED: 6-06-91
DATE ANALYSES COMPLETED: 02 JUL 91
ANALYST: AH, MR, DS

LAB NUMBER: 12176
SAMPLE ID: IS04
DATE OF REPORT: 03 JUL 91
UNITS: milligrams/liter (ppm)

PARAMETER	METHOD	DETECTION LIMIT		RESULT
1. ALUMINUM	6010	*	1.	*
2. ANTIMONY	6010	*	2.	*
3. ARSENIC	6010, 7060	0.001	3.	0.005
4. BARIUM	6010	*	4.	*
5. BERYLLIUM	6010	*	5.	*
6. CADMIUM	6010, 7130	0.010	6.	0.045
7. CHROMIUM	6010, 7190	0.025	7.	0.048
8. CHROMIUM (+6)	7196	0.006	8.	0.346
9. COBALT	6010	*	9.	*
10. COPPER	6010, 7210	0.025	10.	0.283
11. IRON	6010, 7380	*	11.	*
12. LEAD	6010, 7420, 7421	0.050	12.	0.130
13. MAGNESIUM	6010	*	13.	*
14. MANGANESE	6010, 7460	*	14.	*
15. MERCURY	7470, 7471	0.001	15.	ND
16. MOLYBDENUM	6010	*	16.	*
17. NICKEL	6010, 7520	0.050	17.	0.220
18. POTASSIUM	6010	*	18.	*
19. SELENIUM	6010	0.050	19.	0.071
20. SILVER	6010, 7760	0.010	20.	0.048
21. SODIUM	6010	*	21.	*
22. THALLIUM	6010	*	22.	*
23. TIN	6010	*	23.	*
24. VANADIUM	6010	*	24.	*
25. ZINC	6010, 7950	0.025	25.	0.307

REMARKS: * = Not Applicable
ND = None Detected

NARCISO A. ANGOC
SUPERVISORY CHEMIST

Navy Public Works Center
Environmental Engineering Laboratory Code 642
Naval Air Station North Island Bldg 788
San Diego, CA 92135
(619) 545-8431

ACTIVITY: LONG BEACH NAVAL SHIPYARD
TYPE OF SAMPLE: WASTEWATER
DATE SAMPLE COLLECTED: 06 JUN 91
DATE SAMPLE RECEIVED: 06 JUN 91
DATE ANALYSES COMPLETED: 26 JUN 91
ANALYST: PA, AH

LAB NUMBER: 12176
SAMPLE ID: IS04
DATE OF REPORT: 02 JUL 91
UNITS: milligrams/liter (ppm)

PARAMETER	METHOD	DETECTION LIMIT	RESULT
1. pH	EPA 150.1	*	1. 7.95
2. BIOCHEMICAL OXYGEN DEMAND	EPA 405.1	1	2. 117.0
3. TOTAL SUSPENDED SOLIDS	EPA 160.2	0.001	3. 158.0
4. TOTAL DISSOLVED SOLIDS	EPA 160.1	1.0	4. 19,490.0
5. OIL AND GREASE	EPA 413.1	1.0	5. 12.1
6. PHENOLS	EPA 604	0.005	6. ND
7. TOTAL CYANIDE	STD 412B	0.005	7. ND
8. FREE CYANIDE	STD 412B	0.005	8. ND
9. SULFIDE	STD 427D	0.50	9. 2.14
10. CHLORIDE	EPA 325.3	0.50	10. 7166.6

REMARKS: * = Not Applicable
ND = NONE DETECTED

Narciso A. Ancog

NARCISO A. ANCOG
SUPERVISORY CHEMIST

Navy Public Works Center
Environmental Engineering Laboratory Code 642
Naval Air Station North Island Bldg 788
San Diego, CA 92135
(619) 545-8431

ACTIVITY: LONG BEACH
TYPE OF SAMPLE: WASTE WATER
DATE SAMPLE COLLECTED: 06-06-91
DATE SAMPLE RECEIVED: 06-06-91
DATE ANALYSIS COMPLETED: 06-10-91
ANALYST: CL

LAB NUMBER: 12176
SAMPLE ID: IS04
DATE OF REPORT: 06-27-91
METHOD: EPA 624
UNITS: MICROGRAM/LITER (ppb)

PARAMETER	DETECTION LIMIT	RESULT
1. CHLOROMETHANE	10.00	1. ND
2. BROMOMETHANE	10.00	2. ND
3. VINYL CHLORIDE	10.00	3. ND
4. CHLOROETHANE	10.00	4. ND
5. METHYLENE CHLORIDE	5.00	5. 46
6. TRICHLOROFLUOROMETHANE	5.00	6. ND
7. 1,1-DICHLOROETHENE	5.00	7. ND
8. 1,1-DICHLOROETHANE	5.00	8. ND
9. 1,2-DICHLOROETHENE	5.00	9. ND
10. CHLOROFORM	5.00	10. ND
1. 1,2-DICHLOROETHANE	5.00	11. ND
12. 1,1,1-TRICHLOROETHANE	5.00	12. ND
13. CARBON TETRACHLORIDE	5.00	13. ND
14. BROMODICHLOROMETHANE	5.00	14. ND
15. 1,2-DICHLOROPROPANE	5.00	15. ND
16. CIS-1,3-DICHLOROPROPENE	5.00	16. ND
17. TRICHLOROETHENE	5.00	17. ND
18. BENZENE	5.00	18. ND
19. DIBROMOCHLOROMETHANE	5.00	19. ND
20. TRANS-1,3-DICHLOROPROPENE	5.00	20. ND
21. 1,1,2-TRICHLOROETHANE	5.00	21. ND
22. BROMOFORM	5.00	22. ND
23. TETRACHLOROETHENE	5.00	23. ND
24. 1,1,2,2-TETRACHLOROETHANE	5.00	24. ND
25. TOLUENE	5.00	25. ND
26. CHLOROBENZENE	5.00	26. ND
27. ETHYL BENZENE	5.00	27. ND
28. XYLENES	5.00	28. ND

REMARKS: ND = NONE DETECTED

REPORTED BY: Narciso A. Ancog
NARCISO A. ANCOG
SUPERVISORY CHEMIST

Navy Public Works Center
Environmental Engineering Laboratory Code 642
Naval Air Station North Island Bldg 788
San Diego, CA 92135
(619) 545-8431

Activity: LONG BEACH
Type of Sample: WASTE WATER
Date Sample Collected: 06-06-91
Date Sample Received: 06-06-91
Date Analysis Completed: 06-11-91
Analyst: CL, LTV

Lab Number: 12176
Sample ID: IS04
Date of Report: 06-27-91
Method: EPA 625
Units: microgram/liter (ppb)

BASE/NEUTRAL/ACID EXTRACTABLES

PARAMETER	DETECTION LIMIT	RESULT
1. 1,4-DICHLOROBENZENE	440	1. ND
2. 2-CHLORONAPHTHALENE	190	2. ND
3. 4-CHLOROPHENYL PHENYL ETHER	420	3. ND
4. 1,2,4-TRICHLOROBENZENE	190	4. ND
5. 1,2-DICHLOROBENZENE	190	5. ND
1,3-DICHLOROBENZENE	190	6. ND
7. 2,4-DINITROTOLUENE	570	7. ND
8. 2,6-DINITROTOLUENE	190	8. ND
9. 3,3'-DICHLOROBENZIDINE	1650	9. ND
10. ACENAPHTHENE	190	10. ND
11. ACENAPHTHYLENE	350	11. ND
12. ANTHRACENE	190	12. ND
13. BENZIDINE	4400	13. ND
14. BENZO(A)ANTHRACENE	780	14. ND
15. BENZO(A)PYRENE	250	15. ND
16. BENZO(A)FLUORANTHENE	480	16. ND
17. BENZO(G,H,I)PERYLENE	410	17. ND
18. BENZO(K)FLUORANTHENE	250	18. ND
19. BUTYL BENZYL PHTHALATE	250	19. ND
20. BIS(2-CHLOROETHOXY)METHANE	530	20. ND
21. BIS(2-CHLOROETHYL)ETHER	570	21. ND
22. BIS(2-ETHYLHEXYL)PHTHALATE	250	22. ND
23. CHRYSENE	250	23. ND
24. DI-N-BUTYL PHTHALATE	250	24. ND
25. DI-N-OCTYL PHTHALATE	250	25. ND
26. DIBENZO(A,H)ANTHRACENE	250	26. ND
27. DIETHYL PHTHALATE	190	27. ND
28. DIMETHYL PHTHALATE	160	28. ND
29. FLUORANTHENE	220	29. ND
30. FLUORENE	190	30. ND
1. HEXACHLOROBENZENE	190	31. ND
32. HEXACHLOROCYCLOPENTADIENE	1000	32. ND
33. HEXACHLOROETHANE	160	33. ND

LAB NUMBER: 12176
BASE/NEUTRAL/ACID EXTRACTABLES

PARAMETER	DETECTION LIMIT	RESULT
34. HEXACHLOROBUTADIENE	90	34. ND
35. INDENO(1,2,3-CD)PYRENE	370	35. ND
36. ISOPHORONE	220	36. ND
37. N-NITROSODI-N-PROPYLAMINE	1000	37. ND
38. N-NITROSODIMETHYLAMINE	1000	38. ND
39. N-NITROSODIPHENYLAMINE	190	39. ND
40. NAPHTHALENE	160	40. ND
41. NITROBENZENE	190	41. ND
42. PHENANTHRENE	540	42. ND
43. PYRENE	190	43. ND
44. 4-CHLORO-3-METHYLPHENOL	300	44. ND
45. 2-CHLOROPHENOL	330	45. ND
46. 2,4-DICHLOROPHENOL	270	46. ND
47. 2,4-DIMETHYLPHENOL	270	47. ND
48. 2,4-DINITROPHENOL	4200	48. ND
49. 2-METHYL-4,6-DINITROPHENOL	2400	49. ND
50. 2-NITROPHENOL	360	50. ND
51. 4-NITROPHENOL	240	51. ND
52. PENTACHLOROPHENOL	360	52. ND
53. PHENOL	150	53. ND
54. 2,4,6-TRICHLOROPHENOL	270	54. ND

ND = NONE DETECTED

REPORTED BY: Narciso A. Ancog
NARCISO A. ANCOG
SUPERVISORY CHEMIST