

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

ORDER NO. 79-145

NPDES PERMIT NO. CA0005321

REISSUING WASTE DISCHARGE REQUIREMENTS FOR:

BETHLEHEM STEEL CORPORATION  
SAN FRANCISCO YARD  
SAN FRANCISCO

The California Regional Water Quality Control Board, San Francisco Bay Region (hereinafter called the Board), finds that:

1. Bethlehem Steel Corporation, San Francisco Yard, hereinafter called the discharger, submitted a report of waste discharge (NPDES Short Form C) dated April 12, 1979, requesting reissuance of its NPDES Permit. The discharger's present waste discharge requirements are prescribed in Board Order No. 74-115 as amended by Order No. 75-21.
2. The discharger manufactures, repairs, and performs maintenance on various seagoing vessels and is currently or potentially discharging wastes containing pollutants into San Francisco Bay, a water of the United States, as follows:

Wastes 001 and 002 consist of drainage from the ship construction ways, and, during periods of rainfall, each contains an indeterminate amount of storm-water runoff. This runoff may contain oil and grease, heavy metal, toxic paint residues and other materials. In addition, Waste 002 may contain approximately .2 mgd of once through salt cooling water from three standby air compressors. This thermal waste is discharged a maximum of 90 days a year. Waste 001 is discharged at a point about four hundred feet easterly of Illinois Street, and Waste 002 is discharged at a point about five hundred and sixty feet easterly of Illinois Street.

Wastes 003 and 004 consist of spent abrasives which remain on two floating dry docks and may contain decaying marine organisms, heavy metals, toxic paint residues, oil and grease, and other materials. These wastes may be carried into the bay when the dry docks are flooded for release of the vessel being serviced, or when stormwater or other water from the vessel runs off the dry dock floor while the dock is still afloat.

3. The Board, in April 1975, adopted a Water Quality Control Plan for the San Francisco Bay Basin. The Basin Plan contains water quality objectives for central San Francisco Bay.
4. The beneficial uses of San Francisco Bay are:
  - a. Recreation
  - b. Fish migration and habitat
  - c. Habitat and resting for waterfowl and migratory birds
  - d. Industrial water supply
  - e. Esthetic enjoyment
  - f. Navigation

5. Effluent limitation and toxic effluent standards established pursuant to Sections 208(b), 301, 304, and 307 of the Federal Water Pollution Control Act and amendments thereto are applicable to the discharge.
6. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
7. The reissuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21000) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.
9. This Order shall serve as a National Pollutant Discharge Elimination System permit pursuant to Section 402 of the Federal Water Pollution Control Act, or amendments thereto, and shall take effect at the end of ten days from date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, that Bethlehem Steel Corporation, San Francisco Yard, 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 Water Pollution Control Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Discharge Prohibitions

1. The discharge of Wastes 001 and 002 to waters of the State is prohibited during periods when these wastes do not contain storm-water runoff, with the exception that the once through salt cooling water from the standby air compressors may be discharged as Waste 002 as indicated in finding No. 2.
2. The direct discharge of spent abrasive sweepings from dry docks, ships, or piers servicing ships, to waters of the State is prohibited.
3. Except as provided in Section B.5. of this order, the further placement of spent abrasive is prohibited in areas where the materials may be washed into waters of the State by stormwater runoff, or by tidal or wave action.
4. The discharge of sanitary sewage from vessels having sewage holding tanks to waters of the State is prohibited.
5. The discharge of any water or liquid waste from a vessel located on a floating dry dock to the dry dock floor is prohibited.

B. Effluent Limitations

1. During periods in which Waste 001 and 002 contain storm-water runoff or salt cooling water, discharge in excess of the following limits is prohibited:

<u>Discharge Serial #</u>	<u>Constituent</u>	<u>Units</u>	<u>Maximum Daily</u>
001, 002	Cadmium	mg/l	0.2
	Chromium	mg/l	0.5
	Copper	mg/l	0.5
	Lead	mg/l	0.1
	Zinc	mg/l	1.0
	Oil and Grease	mg/l	15.0

2. The maximum daily shall be the average of a minimum of three grab samples taken at equal intervals during the period of discharge with the first grab sample taken during the first hour of discharge.
3. Discharges 001 and 002 shall not have a pH of less than 6.5 nor greater than 8.5.
4. The discharge of Waste 002 shall not have a maximum temperature greater than 15°F above the natural temperature of the receiving water.
5. The discharge of wastes 003 and 004 shall not exceed those quantities remaining after the following measures have been taken: prior to the submergence of any portion of either of the floating dry docks, the discharger shall remove spent abrasives, paint residues, and other debris from those portions of the dry dock floor which are reasonably accessible, to a degree achievable by scraping or broom cleaning. After a vessel has been removed from a dry dock, the remaining areas of the floor which were previously inaccessible shall be cleaned by scraping or broom cleaning as soon as practicable, and prior to the introduction of another vessel. This provision shall not apply in cases wherein a vessel must be introduced into the dry dock on an emergency basis, such as to prevent sinking, or leakage of oil or other materials. The Executive Officer shall be notified in such cases.

C. Receiving Water Limitations

1. The discharge of wastes 001 through 004 shall not cause the following conditions to exist in waters of the State at any place:
  - a. Floating, suspended, or deposited macroscopic particulate matter or foam;
  - b. Bottom deposits or aquatic growths;
  - c. Alteration of turbidity, or apparent color beyond present natural background levels;
  - d. Visible, floating, suspended or deposited oil or other products of petroleum origin;

- c. Alteration of temperature beyond natural background at levels which would result in any adverse effects upon beneficial uses;
- f. Toxic or other deleterious substances to be present in concentrations or quantities which will cause deleterious effects on aquatic biota, wildlife or waterfowl, or which render any of these unfit for human consumption either at levels created in the receiving waters or as a result of biological concentration.

D. Provisions

1. Debris and process residues in the ways and slip #1 areas shall not come in contact with tidal waters.
2. Between September 1 and October 1 of each year, the discharger shall effectively remove all debris and process residue subject to storm-water runoff in the ways area and vicinity.
3. The discharger shall provide pumpout facilities to transfer sewage from vessel holding tanks to the municipal sanitary sewer from all dry docks, piers, and other areas under the discharger's control.
4. The discharger has submitted a satisfactory Water Pollution Control Plan dated May 12, 1975. The discharger shall submit an updated plan not later than February 1, 1980, reflecting this Order's requirements and any changes subsequent to the prior Plan.

The Plan shall detail specific methods by which pollution from Wastes 001, 002, 003, and 004 will be controlled and by which compliance with each applicable portion of this Order will be demonstrated. The Plan shall also provide criteria for determining from beneath which vessels Wastes 003 and 004 are reasonably accessible and therefore subject to removal prior to dry dock submergence.

Subsequent to approval of the revised Plan by the Executive Officer, the Plan shall become part of this Order by reference, and the discharger shall certify monthly that he is in compliance with all conditions specified in the Plan. Failure to comply with any of the specified conditions shall be considered a violation of this Order.

5. Discharge of salt cooling water as part of Waste 002 and as provided in Sections A.1 and B.4 shall not commence until after the Board has adopted a resolution recommending an exemption to the "Water Quality Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California," the State Water Resources Control Board has concurred in granting the exemption, and the Executive Officer has notified the discharger by letter that this concurrence has been given.
6. The requirements prescribed by this Order supersede the requirements prescribed by Order No. 74-115 as amended by Order No. 75-21. Order Nos. 74-115 and 75-21 are hereby rescinded.

7. The discharger shall comply with all effluent and receiving water limitations, prohibitions, and provisions of this Order immediately upon adoption.
8. The discharger shall comply with the attached Self-Monitoring and Reporting Program as ordered by the Executive Officer.
9. The discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements," dated April 1977, except A.5, A.12, A.16, B.2, B.3, and B.5.
10. This Order expires on October 16, 1984, and 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.
11. In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the discharger, the discharger shall notify the succeeding owner or operator of the existence of this Order by a letter, a copy of which shall be forwarded to this Board.

I, Fred H. Dierker, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, San Francisco Bay Region, on **October 16, 1979.**

FRED H. DIERKER  
Executive Officer

Attachments:

Standard Provisions, Reporting  
Requirements, and Definitions - April 1977

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM  
FOR

TODD SHIPYARD CORPORATION

SAN FRANCISCO YARD

SAN FRANCISCO

NPDES NO. CA 0005321

ORDER NO. 79-145

CONSISTS OF

PART A, date 1/78

AND

PART B

PART B

I. Description of Stations and Frequency of Measurements

A. Land Observations

<u>Station</u>	<u>Description</u>
L-1	At a point near San Francisco Bay end of Dry Dock No.1
L-2	At a point near the San Francisco Bay end of Dry Dock No. 2

All applicable Standard Observations shall be made daily at Stations L-1 and L-2 while ship repair operations are in progress.

B. Miscellaneous Reporting

Prior to the submergence of any portion of any dry dock, adequacy of the cleanliness of accessible areas will be observed, certified, and recorded. The certification will be submitted to the Executive Officer with the required monitoring report indicating the dates and times of dry dock use, observations and submergence.

II. Reporting

- A. Self-Monitoring Reports shall be filed after every third month by the fifteenth day of the following month.

I, Fred H. Dierker, Executive Officer, hereby certify that the foregoing Self-Monitoring Program:

- Has been developed in accordance with the procedure set forth in this Regional Board's Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-145.
- Does not include the following paragraphs of Part A: C.3., C.4., C.5.d., C.5.e., D.1., D.2., D.3., D.4.b., E.2., E.4., F.3.f. and F.3.g.
- Include the following modifications to Part A:
  - Paragraph F.2.: Delete the subparagraphs "Bypass reporting shall... unplanned bypass." and "The discharger shall... and chlorination."
  - Paragraph F.3.e: (Delete the subparagraph "A copy of EPA Form 3320-1....")
- Is effective on the date shown below.

5. May be reviewed at any time subsequent to the effective date upon written notice from the Executive Officer or request from the discharger and revisions will be ordered by the Executive Officer.

FRED H. DIERKER  
Executive Officer

Effective Date \_\_\_\_\_