

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 79-170

NPDES NO. CA0005002

WASTE DISCHARGE REQUIREMENTS FOR:

UNITED STATES STEEL CORPORATION
PITTSBURG PLANT
PITTSBURG, CONTRA COSTA COUNTY

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

1. U. S. Steel Corporation, Pittsburg, hereinafter discharger, has previously been issued permit by this Board under the National Pollutant Discharge Elimination System (NPDES) by Order No. 74-191 on December 17, 1974. This Order expires on December 17, 1979.
2. The discharger has submitted an application dated June 13, 1979 for reissuance of its NPDES permit.
3. BPT (Best Practicable Control Technology Currently Available) effluent guidelines promulgated by the Environmental Protection Agency for the Iron and Steel Manufacturing Point Source Category on March 29, 1976 were remanded by the Court on September 14, 1977. No effluent guideline applicable to this discharger is currently in effect.
4. On November 16, 1976, the Board, by Resolution No. 76-16, granted an exemption to the State Water Resources Control Board's "Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California", also called the "Thermal Plan." That Resolution contains a provision that a maximum temperature be subsequently added. The Regional Water Quality Control Board staff recommended to the State Water Resources Control Board a limitation of 93°F as the maximum temperature. The State Board's action on this exemption is scheduled for consideration on December 20, 1979.
5. The waste discharge regulated by the reissued NPDES Permit is essentially unchanged since the Board issued it. It contains effluent and receiving water limitations and provisions which are still appropriate, except for temperature limitation as discussed in Finding 4 above.
6. This project involves the continued operation of a privately-owned facility with negligible or no expansion of use beyond that previously existing. Consequently, this project will not have a significant effect on the environment based upon the exemption provided in Section 15101, Title 14, California Water Code.

7. The Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharges and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
8. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED, pursuant to the provisions contained in Division 7 of the California Water Code and the Federal Clean Water Act and regulations and guidelines adopted thereunder that:

1. The NPDES Permit as contained in the Order cited in Finding 1 of this Order is hereby reissued.
2. The expiration dates contained in said Order shall henceforth read: September 30, 1980.
3. Effluent Limitations A.2 of Order 74-191 is amended to read as follows: A.2.

The maximum temperature of the waste as discharged shall not exceed the natural receiving water temperature by more than 20°F, nor shall it exceed 86°F.

- a. The following temperature limitation shall apply after the State Water Resources Control Board concurs with Resolution No. 76-16:

The maximum temperature of the waste as discharged shall not exceed 93°F.

4. This permit may be modified, or, alternatively, revoked and reissued, to comply with any applicable effluent limitation issued pursuant to the order the United States District Court for the District of Columbia issued on June 8, 1976, in Natural Resources Defense Council, Inc. et. al. v. Russell E. Train 8 ERC 2120 (D.D.C. 1976), if the effluent limitation so issued:
 - (a) is different in conditions or more stringent than any effluent limitation in the permit; or
 - (b) controls any pollutant not limited in the permit.
5. The discharger shall review and update annually its contingency plan as required by Regional Board Resolution No. 74-10. The discharge of pollutants in violation of this Order where the discharger has failed to develop and/or implement a contingency plan will be basis for considering such discharge a willful and negligent violation of this Order pursuant to Section 13387 of the California Water Code.

6. This Order expires on September 30, 1980, 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.

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 December 18, 1979.

Attachments:

Standard Provisions & Reporting
Requirements & Definitions - April 1977
Self-Monitoring Program

FRED H. DIERKER
Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

SELF-MONITORING PROGRAM
FOR

UNITED STATES STEEL CORPORATION

PITTSBURG PLANT

PITTSBURG, CONTRA COSTA COUNTY

NPDES NO. CA 0005002

ORDER NO. 79-170

CONSISTS OF

PART A, dated 1/78

AND

PART B

PART B

UNITED STATES STEEL CORPORATION

I. DESCRIPTION OF SAMPLING STATIONS

A. EFFLUENT

<u>Station</u>	<u>Description</u>
E-001	At any point in the outfall from the treatment facilities of waste 001 between the point of discharge and the point at which all waste tributary to that outfall is present.
E-002	At a point in outfall of waste 002 between the intermediate treatment facility and the point of discharge, located 1100 feet westerly of the ship dock.
E-003	At a point in outfall of waste 003 between the intermediate treatment facility and the point of discharge, located near the western end of the ship dock.

B. RECEIVING WATER

<u>Station</u>	<u>Description</u>
C-105W	At a point in New York Slough, located within twenty feet of shore, one hundred and five feet westerly of outfall E-001.
C-105N	At a point in New York Slough, located one hundred and five feet of shore from outfall E-001.
C-105E	At a point in New York Slough, located within twenty feet of shore, one hundred and five feet easterly from outfall E-001.
C-0	At a point in New York Slough, located at the point of discharge near the intersection of the property line and the center of the discharge channel of waste 001.
CR-1	At a point in New York Slough, located within one hundred feet of shore and at midpoint between outfall E-002 and the Pittsburg Marina.
CR-2	At a point in New York Slough, located at the Standard Oil Wharf, approximately one thousand and three hundred yards easterly of outfall E-001.

II. SCHEDULE OF SAMPLING AND ANALYSIS

A. The schedule of sampling and analysis shall be that given as Table I.

III. MODIFICATION OF PART A

Delete: C.3, C.4, D.1, D.3, E.4, and F.3.q(2).

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

1. Has been developed in accordance with the procedure set forth in this Regional Board Resolution No. 73-16 in order to obtain data and document compliance with waste discharge requirements established in Regional Board Order No. 79-170.
2. Is effective on the date shown below.
3. 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

Attachments:

Table I

Notes for Table I

Effective Date _____

TABLE I (continued)
SCHEDULE FOR SAMPLING, MEASUREMENTS, AND ANALYSIS

Order No. 79-170

Sampling Station	E-001			E-001, E-002 & E-003 (1)			C	P						
	G	C-24	Cont.	G	C-X	Cont.	G	O						
Mercury (mg/l & kg/day)														
Nickel Dissolved (mg/l & kg/day)		W			E									
Zinc (mg/l & kg/day)		W			E									
PHENOLIC COMPOUNDS (mg/l & kg/day)		W			E									
All Applicable Standard Observations	D			E			W ⁽⁵⁾	W						
Total Identifiable Chlorinated Hydrocarbons (mg/l & kg/day)														
Iron, Dissolved		W			E									
Tin (mg/l & kg/day)		M			E									
Chromium, Hexavalent (mg/l & kg/day)		W			E									
Aluminum, dissolved (mg/l & kg/day)		W			E									

LEGEND FOR TABLE

TYPES OF SAMPLES

- G = grab sample
- C-24 = composite sample - 24-hour
- C-X = composite sample - X hours
(used when discharge does not
continue for 24-hour period)
- Cont = continuous sampling

- BS = bottom sediment sample
- O = observation

TYPES OF STATIONS

- I = intake and/or water supply stations
- E = waste effluent stations
- C = receiving water stations
- P = treatment facilities perimeter stations

- B = bottom sediment stations

FREQUENCY OF SAMPLING

- E = each occurrence

- D = once each day
- W = once each week
- M = once each month

2/Y = once in March and

Cont = continuous

NOTES FOR TABLE I

- (1) These samples are to be taken on the first daylight occasion in each calendar month when runoff is present in the discharge and when the waste is not receiving full treatment. Grab samples shall be taken during the first hour of such discharge. Composite samples shall be composed of at least two (preferably more) aliquots; the first taken during the first hour that runoff is being discharged, and the others at equal intervals not exceeding two hours. Report the time period represented by each such composite sample as the elapsed time between collecting the first and last aliquots.
- (2) Oil and grease shall be determined on three grab samples. They may be separately analyzed and the average concentration reported as the average or, at the discharger's option, the samples may be combined before analysis provided that the sample containers are rinsed and otherwise handled in accord with procedures specified in Standard Methods.
- (3) In addition to the maximum, minimum, and average effluent pH values, report the following information about effluent pH violations for each month (report separately this information for over- and under- the pH limitations):
 - a. Percent of time effluent pH was outside the limitations.
 - b. Number of events when pH was outside the limitations.
 - c. Total (cumulative) hours and minutes that pH was outside the limitations.
 - d. Duration of the longest continuous period of such violation.

Note that strip charts of the effluent pH record must be retained with other laboratory records, and made available for inspection by the Regional Board and EPA staffs.
- (4) Report heavy metals concentration in bottom sediments as mg/kg dry weight.
- (5) Standard Observations at the reference stations (CR-1 & CR-2) are required only on the days that samples are collected there.
- (6) Section D-2-b of Part A is modified such that effluent grab samples shall be collected when the flow rate at E-001 is not less than the average for the day collected.
- (7) Section D-4-b of Part A is modified such that the freeboard of ponds used only to provide settling, and not confinement, of liquid wastes need not be measured, recorded, nor reported.