

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 80-83
NPDES NO. CA0104906

WASTE DISCHARGE REQUIREMENTS
FOR
U.S. NAVAL AIR FACILITY
West of El Centro - Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. U.S. Naval Air Facility (hereinafter also referred to as the discharger), El Centro, California 92243, submitted an updated NPDES Application for Permit to Discharge dated August 8, 1980. Said application is assigned Application No. CA0104906.
2. The discharger is presently discharging a peak month average daily flow of 270,000 gallons-per-day and a peak week average daily flow of 290,000 gallons-per-day of domestic sewage into a treatment facility with a design flow of 400,000 gallons-per-day. The wastewater is treated in an oxidation ditch and discharged into New River in the SE 1/4 of Section 24, T15S, R12E, SBB&M, which is about 30 miles from Salton Sea.
3. The Water Quality Control Plan for the West Colorado River Basin Region was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Imperial Hydrologic Unit.
4. The beneficial uses of the water in the New River are:
 - a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
 - b. Freshwater replenishment for Salton Sea
 - c. Warm freshwater habitat for fish and wildlife
 - d. Recreation - nonwater contact
5. The issuance 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.

*Replaced
by 80-083R*

6. The discharge has been subject to waste discharge requirements adopted by the Environmental Protection Agency on July 1, 1977 (NPDES No. CA0110205), which allows discharge to New River.
7. The Board has notified the discharger and interested agencies and persons of its intent to update requirements for the existing discharge 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.
9. 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 date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, U.S. Naval Air Facility, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to New River shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>	<u>Daily Maximum</u>
Total Dissolved Solids	lbs/day mg/l	10000 3000	10700 3200	- -
20°C BOD	lbs/day mg/l	100 30	150 45	- -
Suspended Solids	lbs/day mg/l	100 30	150 45	- -

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>	<u>Daily Maximum</u>
Settleable Matter	ml/l	0.3	0.5	-
Silver	lbs/day	0.033	-	0.033
	mg/l	0.01	-	0.01
Total Cyanide	lbs/day	0.067	-	0.067
	mg/l	0.02	-	0.02

2. The arithmetic mean of the values by weight for effluent samples collected for 20°C BOD and for suspended solids in any 30-Day period shall not be greater than 15 percent of the arithmetic mean of the values by weight for influent samples collected during the same 30-Day period (85% removal).
3. The effluent values for pH shall remain within the limits of 6.0 and 9.0.

B. Receiving Water Limitations

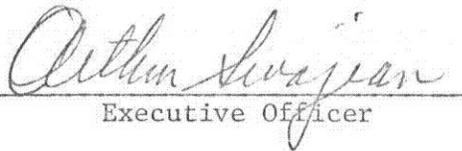
1. Wastewater discharged to New River shall not:
 - a. Depress the dissolved oxygen content of said River below 5.0 mg/l.
 - b. Cause presence of oil, grease, scum, sludge, or solids.
 - c. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.
2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations adopted thereunder.

C. Provisions

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance, as defined in Division 7 of the California Water Code.

2. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period, would not erode or otherwise render portions of the treatment and discharge facilities inoperable.
3. This Order supersedes NPDES Permit No. CA0110205, which was adopted by the Environmental Protection Agency on July 1, 1977.
4. This Order includes the attached "Standard Provisions and Reporting Requirements."
5. This Order includes the attached "Monitoring and Reporting Program No. 80-83", and future revisions thereto, as specified by the Executive Officer.
6. This Order expires five (5) years from November 12, 1980, and the discharger shall 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 an application for issuance of new waste discharge requirements.
7. Facilities shall be available to keep the plant in operation in the event of commercial power failure.
8. After December 1, 1981, wastewater shall not be discharged within the boundary of the County of Imperial Solid Waste Disposal Site near Worthington Road.
9. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.

I, Arthur Swajian, 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, Colorado River Basin Region, on November 12, 1980.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

ORDER NO. 80-83 (REVISION NO. 1)
NPDES NO. CA 0104906

WASTE DISCHARGE REQUIREMENTS
FOR
U. S. NAVAL AIR FACILITY
West of El Centro - Imperial County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. U. S. Naval Air Facility (hereinafter also referred to as the discharger), El Centro, California 92243, submitted an updated NPDES Application for Permit to Discharge dated August 8, 1980. Said application is assigned Application No. CA 0104906.
2. The discharger is presently discharging a peak month average daily flow of 270,000 gallons-per-day, and a peak week average daily flow of 290,000 gallons-per-day of domestic sewage into a treatment facility with a design flow of 400,000 gallons-per-day. The wastewater is treated in an oxidation ditch and discharged into New River in the SE $\frac{1}{4}$ of Section 24, T15S, R12E, SBB&M, which is about 30 miles from Salton Sea. This discharge has been subject to waste discharge requirements contained in Order No. 80-83.
3. Due to budgetary problems the Department of the Navy requested in a letter, dated December 8, 1982, that the date in said Order be extended when wastewater may no longer be discharged within the boundary of Imperial County, Imperial Solid Waste Disposal Site.
4. This Revision provides a new time schedule for relocation of the point of discharge.
5. The Water Quality Control Plan for the West Colorado River Basin Region was adopted on April 10, 1975. The Basin Plan contains water quality objectives for Imperial Hydrologic Unit.
6. The beneficial uses of water in the New River are:
 - a. Transport of dissolved solids to Salton Sea for agricultural soil salinity control.
 - b. Freshwater replenishment for Salton Sea.
 - c. Warm freshwater habitat for fish and wildlife.
 - d. Recreation - nonwater contact.
7. The issuance 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.

*replaced
by 85-076*

8. The discharge has been subject to waste discharge requirements adopted by the Environmental Protection Agency on July 1, 1977 (NPDES No. CA 0110205), which allows discharge to New River.
9. The Board has notified the discharger and interested agencies and persons of its intent to update requirements for the existing discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
10. The Board in a public meeting heard and considered all comments pertaining to the discharge.
11. 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 date of hearing provided the Regional Administrator has no objections.

IT IS HEREBY ORDERED, U. S. Naval Air Facility, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the provisions of the Federal Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

A. Effluent Limitations

1. Representative samples of wastewater discharged to New River shall not contain constituents in excess of the following limits:

<u>Constituent</u>	<u>Unit</u>	<u>30-Day Arithmetic Mean Discharge Rate</u>	<u>7-Day Arithmetic Mean Discharge Rate</u>	<u>Daily Maximum</u>
Total Dissolved Solids	lbs/day mg/l	10,000 3,000	10,700 3,200	- -
20 ⁰ C BOD	lbs/day mg/l	100 30	150 45	- -
Suspended Solids	lbs/day mg/l	100 30	150 45	- -
Settleable Matter	ml/l	0.3	0.5	-
Silver	lbs/day mg/l	0.033 0.01	- -	0.033 0.01
Total Cyanide	lbs/day mg/l	0.067 0.02	- -	0.067 0.02

2. The arithmetic mean of the values by weight for effluent samples collected for 20⁰C BOD and for suspended solids in any 30-Day period shall not be greater than 15 percent of the arithmetic mean of the values by weight for influent samples collected during the same 30-Day period (85% removal).
3. The effluent values for pH shall remain within the limits for 6.0 and 9.0.

B. Receiving Water Limitations

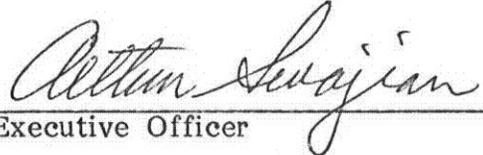
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 - c. Contain heavy metals or associated chemicals or pesticides in concentrations toxic to fish and other aquatic life.
2. This discharge shall not cause a violation of any applicable water quality standard for receiving waters adopted by the Regional Board or the State Water Resources Control Board as required by the Federal Clean Water Act and regulations thereunder.

C. Provisions

1. Neither the treatment nor the discharge of wastes shall cause a pollution or a nuisance, as defined in Division 7 of the California Water Code.
2. Adequate protective works shall be provided to assure that a flood which would be expected to occur on a frequency of once in a 100-year period, would not erode or otherwise render portions of the treatment and discharge facilities inoperable.
3. This Order supersedes NPDES Permit No. CA 0110205, which was adopted by the Environmental Protection Agency on July 1, 1977.
4. This Order includes the attached "Monitoring and Reporting Program No. 80-83", and future revisions thereto, as specified by the Executive Officer.
5. This Order expires five (5) years from November 12, 1980, and the discharger shall 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 an application for issuance of new waste discharge requirements.
6. Facilities shall be available to keep the plant in operation in the event of commercial power failure.

7. After May 1, 1984, wastewater shall not be discharged within the boundary of the County of Imperial Solid Waste Disposal Site near Worthington Road.
8. The discharger's wastewater treatment plant shall be supervised and operated by persons possessing certification of appropriate grade pursuant to Chapter 3, Subchapter 14, Title 23, California Administrative Code.

I, Arthur Swajian, 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, Colorado River Basin Region, on November 12, 1980, and revised on March 16, 1983.


Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 80-83

FOR

U.S. NAVAL AIR FACILITY
West of El Centro - Imperial County

Location of Discharge: New River in the SE 1/4 of Section 24, T15S,
R12E, SBB&M.

EFFLUENT MONITORING

Wastewater discharged into New River shall be monitored for the following constituents. All samples shall be taken between 6 a.m. and 6 p.m. A sampling station shall be established at the point of discharge into said river, and shall be located where representative samples of the effluent can be obtained.

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/l	24-Hr. Composite	Quarterly
20°C BOD ₅	mg/l	24-Hr. Composite	Monthly
Suspended Solids	mg/l	24-Hr. Composite	Monthly
Settleable Matter	ml/l	Grab at Peak Flow	Monthly
pH	pH Units	Grab	Monthly
Dissolved Oxygen	mg/l	Grab	Monthly
Flow	Gallons/ day	Flow Measurement	Reported Monthly*
Silver	mg/l	Grab	Monthly
Total Cyanide	mg/l	Grab	Monthly

*For each day with average monthly flow calculated

INFLUENT MONITORING

The wastewater influent to the treatment facilities shall be monitored for 20°C BOD₅ and for Suspended Solids, quarterly.

REPORTING

Monthly monitoring reports shall be submitted to the Regional Board by the 15th Day of the following month. Quarterly reports shall be submitted by January 15, April 15, July 15, and October 15 of each year.

The discharger shall implement the above monitoring program within 30 days of the effective date of this Order.

Forward monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-271 Highway 111, Suite 21
Palm Desert, CA 92260

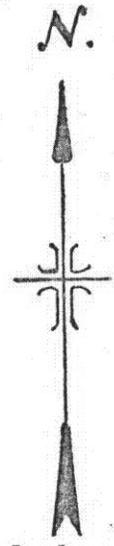
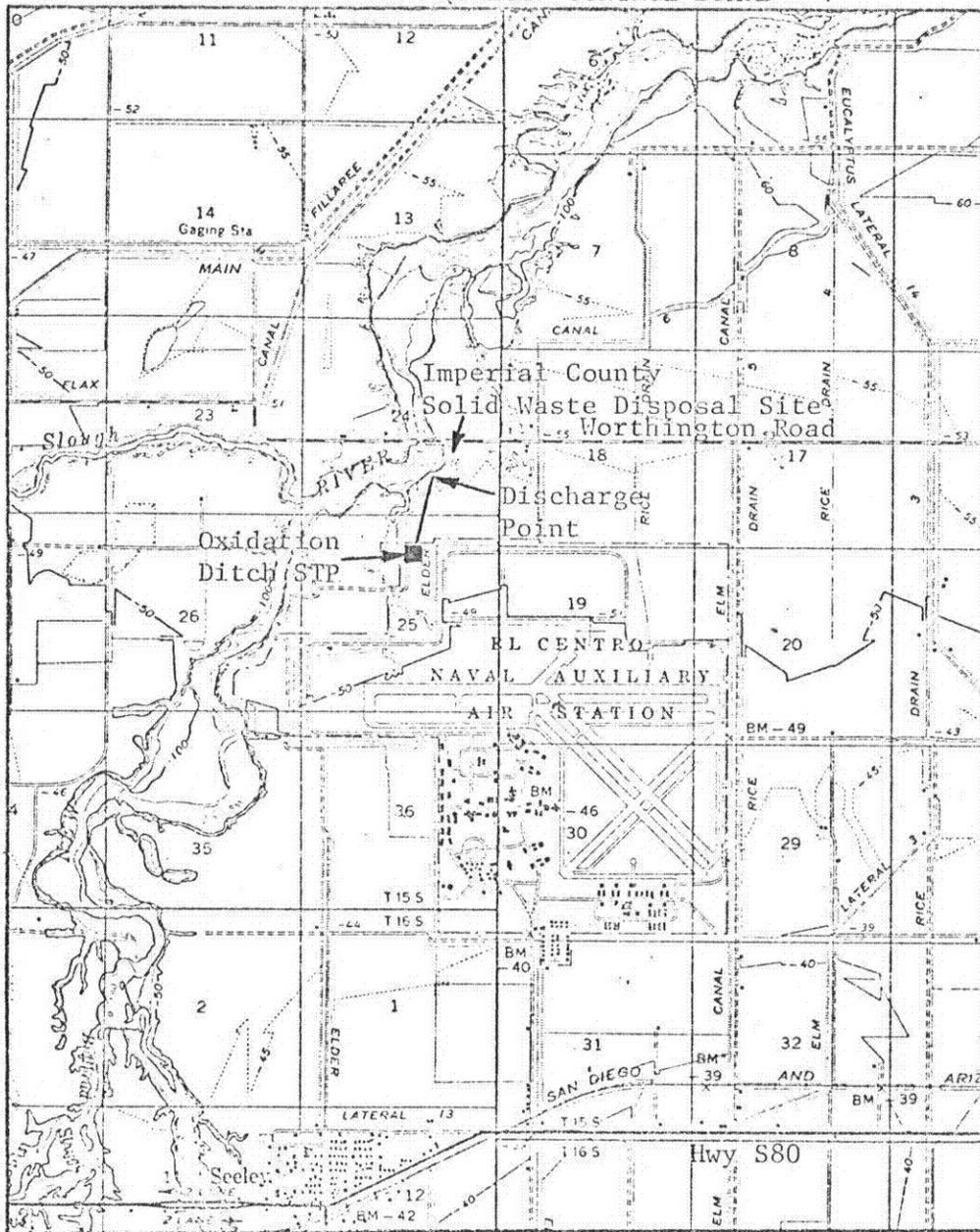
A copy of the Discharge Monitoring Report shall also be sent to:

Regional Administrator
Environmental Protection Agency
Region IX, Attn: 65/MR
215 Fremont Street
San Francisco, Ca 94105

ORDERED BY

Arthur Sevajian
Executive Officer

November 12, 1980
Date



Scale:
1" = 1 mi.

SITE MAP
U.S. NAVAL AIR FACILITY
West of El Centro - Imperial County
Discharge Location; New River in the
SE 1/4 of Section 24, T15S, R12E, SBB&M
USGS Brawley 15 min. Topographic Map

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 80-83

FOR

U.S. NAVAL AIR FACILITY
West of El Centro - Imperial County

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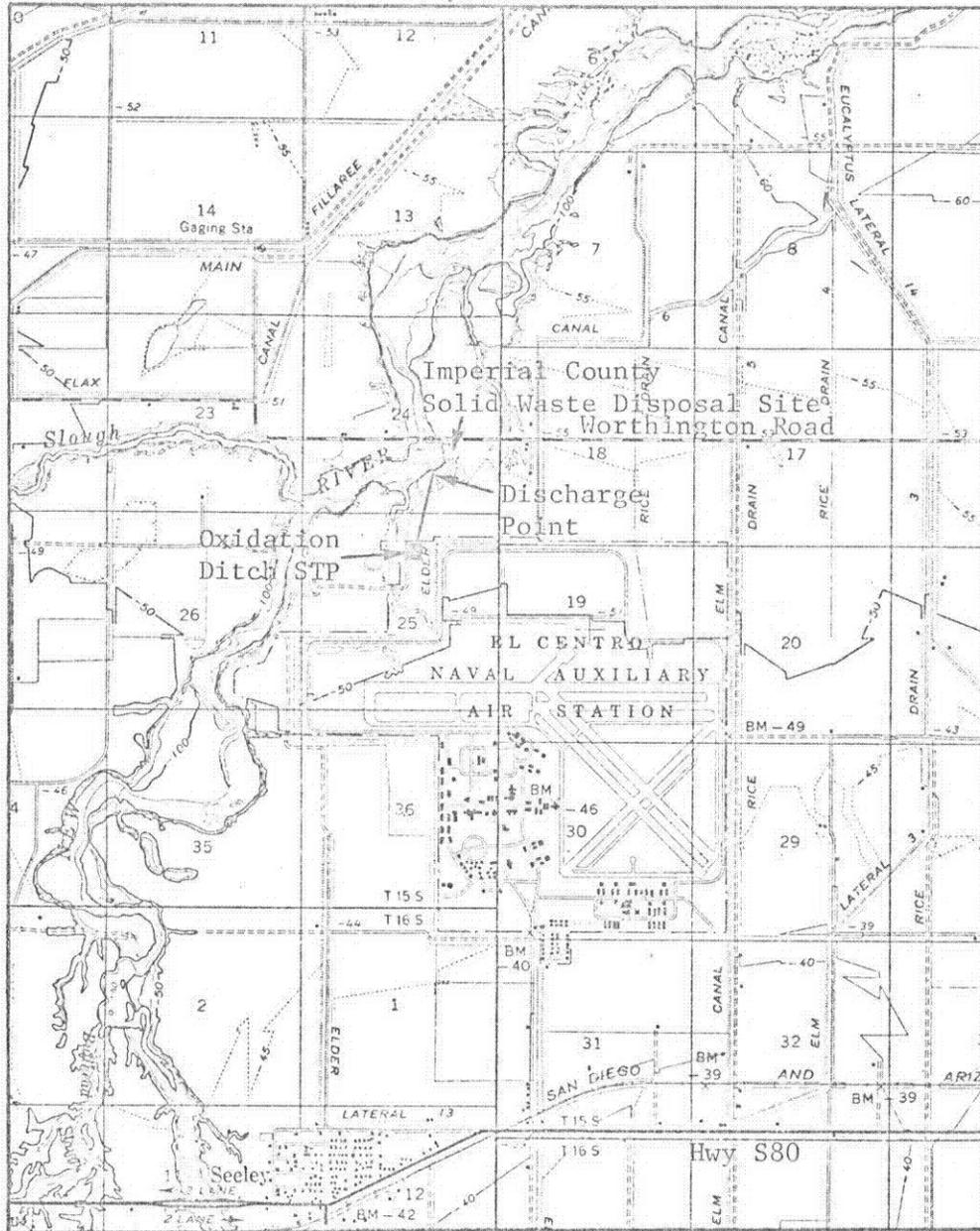
ORDERED BY _____

Executive Officer

November 12, 1980

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD - 7



SITE MAP

U.S. NAVAL AIR FACILITY

West of El Centro - Imperial County

Discharge Location: New River in the
SE 1/4 of Section 24, T15S, R12E, SBB&M

USGS Brawley 15 min. Topographic Map

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