

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

ORDER NO. 72-42

WASTE DISCHARGE REQUIREMENTS
FOR
UNITED TECHNOLOGY CENTER

The California Regional Water Quality Control Board, San Francisco Bay Region, finds that:

1. United Technology Center, called the discharger below, submitted a report of waste discharge dated September 24, 1971.
2. The discharger proposed to install facilities for production of a polymer used in rocket fuels which will generate daily wastes of about 800 gallons of water containing 115 pounds of Sodium Chloride and 170 pounds of Acrylic Acid. The Acrylic Acid is neutralized by addition of 175 pounds of Calcium Hydroxide.
3. The wastes are discharged to a 23,000 cubic foot evaporation pond lined with an impervious synthetic material. A leak detection system has been provided. All of the solids discharged to the pond will eventually be hauled away by a licensed waste hauler. The pond is located on the North end of the discharger's property near Mixer Road, Santa Clara County.
4. This Board adopted an interim water quality control plan for the San Francisco Bay Basin on June 14, 1971.
5. Beneficial water uses which may be affected by the discharge include ground water supply for domestic, agricultural, or industrial use.
6. This Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the proposed discharge.
7. The Board in a public meeting on July 25, 1972, heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, the discharger shall comply with the following:

A. Discharge Specifications

1. The disposal of waste shall not create a nuisance as defined in Section 13050 (m) of the California Water Code.
2. All wastes shall be confined to the discharger's pond at all times prior to haulaway, and none shall percolate into the ground.

B. Discharge Prohibitions

1. The discharge of wastes which may be removed from the pond except at an approved land disposal site, is prohibited.

C. Provisions

1. This Order includes items numbered 1 and 6 of the attached "Reporting Requirements" dated August 28, 1970.
2. This Order includes items numbered 1 through 5 of the attached "Notifications" dated January 6, 1970.

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 July 25, 1972.

Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

August 28, 1970

REPORTING REQUIREMENTS

1. This Board requires the discharger to file technical reports on self-monitoring work performed according to detailed specifications developed pursuant to the Regional Board's Resolution No. 70-43. (Reference: Section 13267(b) and 13268, California Water Code.)
2. This Board requires the discharger to file a written report within 90 days after the average dry-weather waste flow for any month equals or exceeds 80% of the design capacity of his waste treatment and/or disposal facilities. The discharger's senior administrative officer shall sign a letter which transmits that report and certifies that the policy-making body is adequately informed about it. The report shall include:

Average daily flow for the month, the date on which the instantaneous peak flow occurred, the rate of that peak flow, and the total flow for that day.

The discharger's best estimate of when the average daily dry-weather flow rate will equal or exceed the design capacity of his facilities.

The discharger's intended schedule for studies, design, and other steps needed to provide additional capacity for his waste treatment and/or disposal facilities before the waste flow rate equals the capacity of present units. (Reference: Sections 13260, 13267(b) and 13268, California Water Code.)
3. This Board requires the discharger to file a time schedule for engineering studies on facilities needed to comply with the Board's receiving water objective of 5.0 mg/l of dissolved oxygen and/or to file a time schedule for deciding upon the feasibility of participating in regional water quality control systems, if he does not meet that dissolved oxygen objective after providing waste treatment facilities which comply with the effluent BOD requirement prescribed elsewhere in this Resolution. (Reference: Sections 13267(b) and 13268, California Water Code.)
4. This Board requires the discharger to file technical reports on studies into correcting violations of the Board's water quality objectives caused by discharging combined storm water and sewage. Specifications for these studies shall be developed pursuant to the Board's Resolution No. 70-43. (Reference: Sections 13267(b) and 13268, California Water Code.)
5. This Board requires the discharger to file written reports within 15 days after each calendar quarter to include:

Name of and number of lots in each subdivision for which an application has been received for connection to the sewerage system. Anticipated date of connection of each subdivision to the sewerage system.

Finding and supporting data by governing body on effect of addition of each subdivision on violation of waste discharge requirements.

(Reference: Section 11551.6 Business and Professions Code and Section 13267(b) and 13268, California Water Code.)
6. This Board requires the discharger to file a report on waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge. (Reference: Sections 13260(b) and 13264, California Water Code.)
7. This Board requires the discharger to file a written technical report at least 15 days prior to advertising for bids on any construction project which would cause or aggravate the discharge of waste in violation of these requirements; said report to describe the nature, costs, and scheduling of all actions necessary to preclude such discharge. In no case should any discharge of sewage bearing wastes be permitted without at least primary treatment and chlorination. (Reference: Sections 13267(b) and 13268, California Water Code.)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

January 6, 1970

NOTIFICATIONS

1. This Board requests the discharger to take note of the comments and recommendations contained in all the correspondence the Board has received and considered concerning this matter, and the Executive Officer is directed to transmit copies of that correspondence to the discharger.
2. This Board considers "Waters of the State" as defined in Section 13050(e) of the California Water Code to include waste waters over which the discharger has lost control.
3. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under Federal, State, or local laws, nor guarantee the discharger a capacity right in the receiving waters.
4. This Board will prescribe more restrictive requirements for this waste discharge if necessary:
 - To achieve or maintain dissolved oxygen concentration of at least 5.0 mg/l in tidal waters of the San Francisco Bay System pursuant to Resolution No. 67-30,
 - To protect shellfishing areas which the Board designates pursuant to Resolution No. 803,
 - To protect the beneficial water uses, and to achieve other objectives adopted in the resolutions cited above.
5. This Board will review these requirements periodically, as required by law, and will notify the responsible persons before doing so. (Reference: Section 13263(e), California Water Code.)
6. The water quality parameters used in this resolution are as defined in the latest edition of "Standard Methods for the Examination of Water and Wastewater" by the American Public Health Association.
7. The discharger is advised that this Board will use the general concepts of Phase I of the plan recommended by the Final San Francisco Bay-Delta Program Report as guidelines in reviewing any application for construction grants for sewerage facilities proposed to comply with these requirements, and if the discharger intends to make such application he must demonstrate the compatibility of the proposed facilities with the general concepts of the Bay-Delta Program.