

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

93-031



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June 10, 1993

Mr. Gary Dahle, Facility Engineer
Litton Industries, Inc.
350 North Crescent Drive
Beverly Hills, CA 90210

**WASTE DISCHARGE REQUIREMENTS AND NPDES PERMIT - LITTON INDUSTRIES,
INC. (CA0055786, CI-5656)**

Our letter dated April 9, 1993, transmitted revised tentative requirements for your discharge of wastewater to Ballona Creek.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public hearing held on May 10, 1993, reviewed the tentative requirements, considered all factors in the case, and adopted Order No. 93-031 (copy attached) relative to this waste discharge. This Order serves as a permit under the National Pollutant Discharge Elimination System (NPDES), and expires on May 10, 1998. Section 13376 of the California Water Code requires that an application for a new permit must be filed at least 180 days before the expiration date.

You are required to implement the "Monitoring and Reporting Program" upon receipt of this Order. The first monitoring report under this program is due by July 15, 1993.

Analytical results shall be reported according to the attached "Laboratory Report Forms 10a and 10b" or similar forms.

Please reference all technical and monitoring reports to our Compliance File No. 5656 and address them to the attention of our Technical Support Unit. We would appreciate it if you would not combine other reports, such as progress or technical, with your monitoring reports but would submit each type of report as a separate document.

To save printing and postage costs, we are not sending the "Standard Provisions" and "Laboratory Report Forms" to those on the mailing list. Copies of these documents will be furnished to anyone who requests them.

If you have any questions, please contact Jose M. Morales at (213) 266-7597.



WINNIE D. JESENA, P.E.
Chief, Coastal Surface
Water Regulatory Unit

Enclosures

cc. Environmental Protection Agency, Region 9,
Permits/Pretreatment Section (W-5-1)
U.S. Army Corps of Engineers
NOAA, National Marine Fisheries Service
Department of Interior, U.S. Fish and Wildlife Service
Mr. Archie Matthews, State Water Resources Control Board
Mr. Jorge Leon, State Water Resources Control Board,
Office of Chief Counsel
Department of Fish and Game, Region 5
Los Angeles County, Department of Health Services
South Coast Air Quality Management District
City of Beverly Hills
City of Los Angeles, Bureau of Engineering, Stormwater
Management Division
Mr. Carl Tripp, City of Los Angeles, Industrial Waste Division

State of California
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 93- 031
NPDES NO. CA0055786

WASTE DISCHARGE REQUIREMENTS
for
LITTON INDUSTRIES, INC.

The California Regional Water Quality Control Board, Los Angeles Region, finds:

1. Litton Industries, Inc., discharges wastes under waste discharge requirements contained in Order Nos. 79-85 and 84-43, adopted by this Board on June 25, 1979, and May 21, 1984, respectively.
2. Litton Industries, Inc., has filed a report of waste discharge and has applied for renewal of its waste discharge requirements and National Pollutant Discharge Elimination System (NPDES) permit.
3. Litton Industries, Inc., maintains its corporate headquarters at 360 North Crescent Drive, Beverly Hills, California, and discharges up to 10,000 gallons per day of wastewater consisting of the following:

Discharge Serial No. 001 - cooling tower bleed-off, decorative fountain filter backwash, water softener regenerating wastes, and occasionally boiler clean-up wastes, all collected in a stormdrain sump.

Discharge Serial No. 002 - ground water seepage from a dewatering system at the parking structure located at 375 North Crescent Drive, collected in a sump.

The wastes from both sumps are pumped to the storm drain at Crescent Drive which is tributary to Ballona Creek, a water of the United States, at Madison Avenue above the tidal prism.

4. The cooling tower system is treated by ozone. Chlorine is added to the fountain water.
5. The wastewater traverses about 5 miles of lined storm drain and then flows in the lined portion of the Ballona Creek flood control channel for about 3 miles before reaching the tidal prism. The allowable concentration of residual chlorine at the point of discharge to the storm drain would dissipate by

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- the time the waste reaches areas of beneficial uses within Ballona Creek.
6. The State Water Resources Control Board adopted a Water Quality Control Plan for Inland Surface Waters of California on April 11, 1991. The Plan contains numerical and narrative water quality objectives for inland surface waters.
 7. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles River Basin on June 3, 1991. The Plan contains water quality objectives and specifies the beneficial uses for Ballona Creek.
 8. The beneficial uses of the receiving water are: non-contact water recreation and (within the tidal prism) water contact recreation, ocean commercial and sport fishing, preservation of rare and endangered species, marine habitat, shellfish harvesting and saline water habitat.
 9. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plans and will protect and maintain the beneficial uses of the receiving waters.
 10. The issuance of waste discharge requirements for this discharge is exempt from the provisions of Chapter 3 (commencing with Section 21100) of Division 13 of the Public Resources Code in accordance with Water Code Section 13389.

The Board has notified the discharger and interested agencies and persons of its intent to renew waste discharge requirements for the discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board, in a public hearing, heard and considered all comments pertaining to the discharge and to the tentative requirements.

This Order shall serve as an NPDES 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 the date of its adoption, provided the Regional Administrator of the United States Environmental Protection Agency (EPA) has no objections.

IT IS HEREBY ORDERED that Litton Industries, Inc., 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 Clean Water Act and regulations and guidelines adopted thereunder, shall comply with the following:

I. Effluent Limitations

1. Wastes discharged shall be limited to cooling tower bleed-off, decorative fountain filter backwash water, water softener regenerating wastes, boiler clean-up wastes, and ground water seepage only, as proposed.
2. The discharge of an effluent with constituents in excess of the following limits is prohibited:

<u>Constituents</u>	<u>Units</u>	<u>Discharge Limitations</u>	
		<u>Monthly Avg.</u>	<u>Maximum</u>
Suspended Solids	mg/l	50	150
	lbs/days*	4.17	12.5
Settleable Solids	ml/l	0.1	0.3
BOD ₅ ,20°C	mg/l	20	60
	lbs/days*	1.67	5.0
Oil and Grease	mg/l	10	15
	lbs/days*	0.83	1.25
Turbidity	TU	50	150
Total Residual Chlorine	mg/l	---	0.5

* Based on a maximum discharge rate of 10,000 gallons per day.

II. Narrative Water Quality Objectives

1. Inland surface water communities and populations, including vertebrate, invertebrate, and plant species, shall not be degraded as a result of the waste discharged.
2. The natural taste and odor of fish, shellfish, or other inland surface water resources used for human consumption shall not be impaired.

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3. Toxic pollutants shall not be discharged at levels that will bioaccumulate in aquatic resources to levels which are harmful to human health.
4. The concentration of contaminants in waters which are existing or potential sources of drinking water shall not occur at levels which are harmful to human health.
5. The concentration of toxic pollutants in the water column, sediments, or biota shall not adversely affect the beneficial uses.

III. Requirements and Provisions

1. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements" ("Standard Provisions"). If there is any conflict between provisions stated hereinbefore and said "Standard Provisions", those provisions stated hereinbefore prevail.
2. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals which are used for cooling water treatment, including quantities and material safety data sheet of each. There shall be no change in the type of chemicals and/or quantities used before approval of the Executive officer is obtained.
3. This discharge is subject to the numerical limitations for toxic substances contained in the Inland Surface Water Plan.

IV. Expiration Date

This Order expires on May 10, 1998.

The discharger must file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, not later than 180 days in advance of such date as application for issuance of new waste discharge requirements.

Order No. 93-031
Litton Industries, Inc.

CA0055786

V. Rescission

Order Nos. 79-85 and 84-43, adopted by this Board on June 25, 1979, and May 21, 1984, respectively, are hereby rescinded.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on May 10, 1993.

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

April 8, 1993

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 5656
for
LITTON INDUSTRIES, INC.
(CA0055786)

The discharger shall implement this monitoring program on the effective date of this Order. The first monitoring report under this program is due by July 15, 1993.

Monitoring reports shall be submitted by the dates in the following schedule:

<u>Reporting Period</u>	<u>Report Due</u>
January - March	April 15
April - June	July 15
July - September	October 15
October - December	January 15

If there is no discharge, the report shall so state.

Effluent Monitoring

A sampling station shall be established for each point of discharge and shall be located where representative samples of that effluent can be obtained. The following shall constitute the effluent monitoring program:

<u>Constituent</u>	<u>Discharge Serial No.</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Total Waste Flow	001,002	gal/day	---	monthly
Temperature	001,002	°F	grab	quarterly
Oil and Grease	001,002	mg/l	grab	quarterly
Residual Chlorine	001	mg/l	grab	quarterly
pH	001,002	pH units	grab	semiannually
Suspended Solids	001,002	mg/l	grab	semiannually
Settleable Solids	001,002	ml/l	grab	semiannually
BOD,20°C	001,002	mg/l	grab	semiannually
Turbidity	001	mg/l	grab	semiannually
Priority Pollutants (page T-3)	002	mg/l	grab	annually

The report for the January-March and July-September quarters shall include the results of the semi-annual analyses. The report for the January-March quarter shall include the results of the annual analyses.

Monitoring for Priority Pollutants

Representative samples of the effluent from Discharge Serial No. 001 shall be taken within a month of the adoption of this Order and analyzed for the EPA's Priority Pollutants (page T-3) excluding pesticides. Results of the analyses shall be included in the first monitoring report due on July 15, 1993. A similar sampling and analysis shall be performed when there is a discharge of boiler cleanup wastes.

Ordered by:

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

Date: May 10, 1993

PRIORITY POLLUTANTS

<u>Metals</u>	<u>Base/Neutral Extractibles</u>	<u>Acid Extractibles</u>
Antimony	Acenaphthene	2,4-Trichlorophenol
Arsenic	Benzidine	P-Chloro-M-cresol
Beryllium	1,2,4-Trichlorobenzene	2-Chlorophenol
Cadmium	Hexachlorobenzene	2,4-Dichlorophenol
Chromium	Hexachloroethane	2,4-Dimethylphenol
Copper	Bis (2-Chloroethyl) ether	2-Nitrophenol
Lead	2-Chloronaphthalene	4-Nitrophenol
Mercury	1,2-Dichlorobenzene	2,4-Dinitrophenol
Nickel	1,3-Dichlorobenzene	4,6-Dinitro-O-cresol
Selenium	1,4-Dichlorobenzene	Pentachlorophenol
Silver	3,3'-Dichlorobenzidine	Phenol
Thallium	2,4-Dinitrotoluene	
Zinc	2,6-Dinitrotoluene	
	1,2-Diphenylhydrazine	<u>Volatile Organics</u>
<u>Miscellaneous</u>	Fluoranthene	Acrolein
Cyanide	4-Chlorophenyl phenyl ether	Acrylonitrile
Asbestos (only if specifically required)	4-Bromophenyl phenyl ether	Benzene
	Bis (2-Chloroisopropyl) ether	Carbon tetrachloride
	Bis (2-Chloroethoxy) methane	Chlorobenzene
	Hexachlorobutadiene	1,2-Dichloroethane
	Hexachlorocyclopentadiene	1,1,1-Trichloroethane
<u>Pesticides</u>	Isophorone	1,1-Dichloroethane
Aldrin	Naphthalene	1,1,2-Trichloroethane
Chlordane	Nitrobenzene	1,1,2,2-Tetrachloroethane
Dieldrin	N-Nitrosodimethylamine	Chloroethane
4,4'-DDT	N-Nitrosodi-N-propylamine	Chloroform
4,4'-DDE	M-Nitrosodiphenylamine	1,1-Dichloroethylene
4,4'-DDD	Bis (2-Ethylhexyl) phthalate	1,2-Transdichloroethylene
Alpha endosulfan	Butyl benzyl phthalate	1,2-Dichloropropane
Beta endosulfan	Di-N-Butyl phthalate	1,2-Dichloropropylene
Endosulfan sulfate	Di-N-Octyl phthalate	Ethylbenzene
Endrin	Diethyl phthalate	Methylene chloride
Endrin aldehyde	Dimethyl phthalate	Methyl chloride
Heptachlor	Benzo (A) anthracene	Methyl bromide
Heptachlor epoxide	Benzo (A) pyrene	Bromoform
Alpha BHC	Benzo (B) fluoranthene	Bromodichloromethane
Beta BHC	Benzo (K) fluoranthene	Dibromochloromethane
Gamma BHC	Chrysene	Tetrachloroethylene
Delta BHC	Acenaphthylene	Toluene
Toxaphene	Anthracene	Trichloroethylene
PCB 1016	1,12-Benzoperylene	Vinyl chloride
PCB 1221	Fluorene	2-Chloroethyl vinyl ether
PCB 1232	Phenanthrene	
PCB 1242	1,2,5,6-Dibenzanthracene	
PCB 1248	Indeno (1,2,3-CD) pyrene	
PCB 1254	Pyrene	
PCB 1260		