

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

ORDER NO. 01-088

WASTE DISCHARGE REQUIREMENTS
for
Honeywell Inc.
(NPDES NO. CA0058688)

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

I. PURPOSE OF ORDER

1. Honeywell discharges waste (non-contact cooling water) under waste discharge requirements (WDRs) and National Pollutant Discharge Elimination System (NPDES) permit contained in Order No. 94-014 adopted by this Regional Board on February 28, 1994 (NPDES Permit No. CA0058688). Order No. 94-014 expired on February 10, 1999.
2. On January 26, 2000, the company changed its name from AlliedSignal Inc. to Honeywell Inc. This is a name change only, and not a change in ownership.
3. Honeywell has filed a report of waste discharge and has applied for renewal of its WDRs and NPDES permit for discharge of wastes to surface waters. This tentative order is the reissuance of the WDRs and NPDES permit for discharges from Honeywell.

II. FACILITY AND WASTE DISCHARGE DESCRIPTION

4. Honeywell operates an aircraft parts and auxiliary equipment manufacturing located at 2525 West 190th Street, Torrance, California.
5. Honeywell intermittently discharges up to 30,000 gallons per day (0.03 million gallons per day, MGD) of non-contact cooling water drainage from four cooling towers to a storm drain in 190th Street at a point approximately 443 feet east of the southeast corner of the Electrical and Electronics Building (Discharge Serial No. 001, Latitude 33° 47' 20"; Longitude 118° 18' 15"). The wastewater flows through the storm drain system to Dominguez Channel, a water of the United States, at a point immediately upstream from Avalon Boulevard, within the tidal prism. A portion of the local storm drain is unlined and allows some leakage to the shallow semiperched aquifer found at or near the surface in this area. This aquifer yields little water of poor quality and has no known beneficial use. The discharge occurs only when the cooling towers are emptied for cleaning and maintenance, about twice per year. Figure 1 shows the location of the facility. Figure 2 is a map of the facility. Figure 3 shows the schematic of wastewater flow. Figure 4 is the storm drain diagram that indicates the location of the cooling tower discharge point.

6. The cooling towers are located in a field at the outer perimeter of the facility where sewer service is not available. The closest sanitary sewer drain is approximately 300 feet away from the towers. Connecting to this drain would require installation of new pipeline. Due to the existing electrical service cables in the vicinity of this area, any construction activity may create hazardous conditions. Therefore, discharging the cooling water into the storm drain is the only available option. However, process wastes from metal plating, as well as cooling tower bleed-off and boiler blowdown water, are discharged to the sanitary sewer.
7. Storm water discharges at Honeywell are covered under the *General NPDES Permit for Discharges of Storm Water Associated with Industrial Activities*.
8. The Report of Waste Discharge, Form 2E, describes the effluent characteristics as follows:

<u>Constituent</u>	<u>Units</u>	<u>Daily Maximum Value</u>
pH	Standard Unit	7.00 – 8.15
Temperature	°F	72 (winter) 78 (summer)
BOD ₅ 20 °C	mg/L	12
Total suspended solids	mg/L	10
Oil & grease	mg/L	ND

III. APPLICABLE PLANS, POLICIES, AND REGULATIONS

9. On June 13, 1994, The Regional Board adopted a revised Water Quality Control Plan for the Coastal Watersheds of Los Angeles and Ventura Counties (Basin Plan). The Basin Plan contains water quality objectives for, and lists the following beneficial uses for Dominguez Channel Estuary:

Existing: water contact recreation, non-contact water recreation, commercial and sport fishing, estuarine habitat, marine habitat, wildlife habitat, preservation of rare and endangered species, migration of aquatic organisms, and spawning, reproduction, or early development.

Potential: navigation.

10. On May 18, 2000, the United States Environmental Protection Agency (USEPA) promulgated numeric criteria for priority pollutants for the State of California [known as the *California Toxics Rule* (CTR) and codified as 40 CFR part 131.38]. On March 2, 2000, The State Water Resources Control Board (State Board) adopted the *Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California* (State Implementation Policy or SIP). The SIP was effective April 28, 2000 with respect to the priority pollutants criteria that were promulgated for California by the USEPA through the National Toxics Rule (NTR) and also with respect to the priority pollutant objectives established by the Regional Boards in their Basin Plans, with the exception of the provision on “alternate test procedures for individual discharges” that have been approved by the USEPA Regional Administrator. The “alternate test procedures” provision was effective on May 22, 2000. The SIP was effective on May 18, 2000 with respect to the priority pollutant criteria promulgated by

the USEPA through the CTR.

11. *Water Quality Control Plan for Control of Temperature in the Coastal and Interstate Waters and Enclosed Bays and Estuaries of California* (Thermal Plan) adopted by the State Board in 1971 and amended in 1972 and 1975.
12. Effluent limitations prescribed in this Order are based on the CTR, SIP, Basin Plan, Thermal Plan, best professional judgment (BPJ), current plant performance, or the existing Order. These requirements, as they are met, will protect and maintain existing beneficial uses of the receiving water.
13. Dominguez Channel begins at the border of El Segundo and Los Angeles Airport and flows through portions of Hawthorne, Torrance, Gardena, Carson, and Wilmington to the East Basin of the Los Angeles Harbor. The channel is concrete-lined above the estuary (Vermont Avenue). Dominguez Channel receives discharges from highly developed and industrialized areas.
14. The Dominguez Channel estuary is classified as impaired in the California State Board's 1998 303(d) List of Impaired Water Bodies. The pollutants of concern, detected in the channel water, sediment, and in the fish tissue are listed below:

In sediment: chromium, lead, zinc, DDT, and polynuclear aromatic hydrocarbons (PAHs).

In fish tissue: lead, benthic community effects, Chema (refers to the sum of aldrin, dieldrin, chlordane, endrin, heptachlor, heptachlor epoxide, Hydrochlorocyclohexane (HCH), endosulfan, and toxaphene), DDT, and polychlorinated biphenyls (PCBs).

In the water column: copper, lead, ammonia, and coliform.

Known and/or suspected sources of pollution include historical deposits of DDT and PCBs in sediment, discharges and/or spills from refineries and industrial facilities, leaching of contaminated groundwater, and urban runoff.
15. The Regional Board has determined that based on the reported facility's operation and its performance history, there was no evidence that discharges from Honeywell cause, have a reasonable potential to cause, or contribute to an excursion above any applicable toxic pollutant criterion or objective. However, Honeywell is required to monitor the discharge for acute toxicity. Honeywell is also required to collect sufficient data for metals, so that a reasonable potential analysis (RPA) can be performed for these constituents.
16. The Regional Board has notified the Discharger and interested agencies and persons of its intent to issue waste discharge requirements for this discharge, and has provided them with an opportunity to submit their written views and recommendations.
17. The Regional Board, in a public hearing, heard and considered all comments pertaining to the discharge and to the tentative requirements.

18. This Order shall serve as a 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, USEPA, has no objections.
19. Pursuant to California Water Code Section 13320, any aggrieved party may seek review of this Order by filing a petition with the State Board. A petition must be sent to the State Water Resources Control Board, P. O. Box 100, Sacramento, California, 95812, within 30 days of adoption of the Order.
20. 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 (CEQA) in accordance with the California Water Code, Section 13389.

IV. DISCHARGE REQUIREMENTS

IT IS HEREBY ORDERED that Honeywell, 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:

A. Discharge Prohibitions

1. Wastes discharged shall be limited to intermittent cooling tower drainage only, as proposed.
2. Discharges of water, materials, thermal wastes, elevated temperature wastes, toxic wastes, deleterious substances, or wastes other than those authorized by this Order, to waters of the State are prohibited.

B. Effluent Limitations

The discharge of an effluent from Discharge Serial No. 001 containing constituents violating or in excess of the following limits is prohibited:

1. A pH value between 6.5 and 8.5 standard units.
2. A maximum flow rate of 0.03 MGD.
3. Temperature
 - A maximum discharge temperature of 86°F.
 - The maximum temperature of the discharge shall not exceed the natural receiving water temperature by more than 20°F.
4. The acute toxicity of the effluent shall be such that: (i) the average survival in the undiluted effluent for any three consecutive 96-hour static or continuous flow bioassay tests shall be at least 90%, and (ii) no single test produce less than 70%

survival.

5. The Discharger shall conduct acute toxicity monitoring as specified in Monitoring and Reporting Program No. 6417.
6. In addition to the Requirements B.1 through B.5, the discharge from Discharge Serial No. 001 containing constituents in excess of the following limits is prohibited:

<u>Constituent</u>	<u>Units</u>	<u>Discharge Limitations Daily Maximum</u>
Turbidity	NTU	100
Oil and grease	mg/L lbs/day ^{1/}	15 3.8
BOD ₅ 20°C	mg/L lbs/day ^{1/}	30 7.5
Suspended solids	mg/L lbs/day ^{1/}	75 18.8
Residual Chlorine	mg/L lbs/day ^{1/}	0.1 0.025

^{1/} Based on the maximum waste flow rate of 0.03 million gallons per day.

C. Receiving Water Limitations

The discharge shall not cause the following to be present in the receiving waters:

1. Toxic pollutants at concentrations that will bioaccumulate in aquatic life to levels which are harmful to aquatic life or human health.
2. Chemical substances in amounts that adversely affect designated beneficial uses.
3. Alteration of color, creation of a visual contrast with the natural appearance, or aesthetically undesirable discoloration.
4. Floating materials, including solids, liquids, foams, and scum, in concentrations that cause nuisance or adversely affect beneficial uses.
5. A mean annual dissolved oxygen concentration of less than 7 mg/L, and a single determination of less than 5.0 mg/L.
6. The purposeful discharge of PCBs to the receiving water is prohibited.
7. Taste or odor-producing substances in concentrations that impart undesirable tastes or odors to fish flesh or other edible aquatic resources, cause nuisance, or adversely affect beneficial uses.

V. Requirements and Provisions

1. This Order Includes the *Standard Provisions and General Monitoring and Reporting Requirements* (Standard Provisions). If there is any conflict between provisions stated hereinbefore and attached Standard Provisions, those stated hereinbefore prevail
2. This Order includes the attached Monitoring and Reporting Program. If there is any conflict between provisions stated in the Monitoring and Reporting Program and the Standard Provisions, those provisions stated in the former prevail.
3. This Order may be modified, revoked, reissued, or terminated in accordance with the provisions of 40 CFR Parts 122.44, 122.62, 122.63, 122.64, 125.62 and 125.64. Causes for taking such actions include, but are not limited to: failure to comply with any condition of this Order; endangerment to human health or the environment resulting from the permitted activity; or acquisition of newly obtained information which would have justified the application of different conditions if known at the time of Order adoption. The filing of a request by the Discharger for an Order modification, revocation, and issuance or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
4. Discharge of wastes to any point other than specifically described in this Order and permit is prohibited and constitutes a violation thereof.
5. The Discharger shall comply with all applicable effluent limitations, national standards of performance, toxic, and all federal regulations established pursuant to Sections 208(b), 301, 302, 303(d), 304, 306, 307, 316, 403, and 405 of the Federal Clean Water Act and amendments thereto.
6. This Order may be reopened and modified, to incorporate in accordance with the provisions set forth in 40 CFR Parts 122 and 124, to include requirements for the implementation of the watershed management approach.
7. This Order may be reopened and modified, in accordance with the provisions set forth in 40 CFR Parts 122 and 124, to include new Minimum Levels (MLs).
8. This Order may be reopened and modified, to revise effluent limitations as a result of future Basin Plan Amendments, such as an update of the ammonia objective.
9. This Order may be reopened and modified, in accordance with SIP Section 2.2.2.A, to incorporate new limits based on future reasonable potential analysis to be conducted, upon completion of the collection of additional data by the Discharger.

VI. Expiration Date

This Order expires on May 10, 2006.

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.

VII. Rescission

Order No. 94-014, adopted by this Regional Board on February 28, 1994, is hereby rescinded except for enforcement purposes.

I, Dennis A. Dickerson, 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 June 28, 2001.

Dennis A. Dickerson
Executive Officer