

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
LOS ANGELES REGION101 CENTRE PLAZA DRIVE  
MONTEREY PARK, CALIFORNIA 91754-2156  
(213) 266-7500

February 2, 1990

Mr. Lonnie P. Nadal  
Principal Executive Officer  
Lincoln Property Company  
30 Executive Park, Suite 100  
Irvine, CA 92714

## WASTE DISCHARGE REQUIREMENTS (NPDES PERMIT NO. CA0061000)

Reference is made to our letter dated December 19, 1989, which transmitted a draft of the tentative requirements for the discharge of treated groundwater generated from cleanup operations at Lincoln Industrial Center, 12500 East Slauson Avenue, Santa Fe Springs.

Pursuant to Division 7 of the California Water Code, this California Regional Water Quality Board, at a public hearing held January 29, 1990, reviewed these tentative requirements, considered all factors in the case, and adopted Order No.90-012 (copy included) relative to this waste discharge. This Order serves as a permit under the National Pollution Discharge Elimination System, and expires on January 10, 1995. Please note that you must file an application for a new permit at least 180 days in advance of that date.

You are required to implement the new monitoring program as stated in the Monitoring and Reporting Program by the effective date of this Order. Please note that any other monitoring report due under any previous monitoring program is still required and must be submitted by the due date. Reference all technical and monitoring reports to our Compliance File No. 6923. Please be advised that the monitoring reports should be sent to the Regional Board ATTN: Technical Support Unit, although all the other reports should still be sent to my unit. We would appreciate it if you would not combine other reports, such as progress or technical reports, with your monitoring reports but would submit each type of report as a separate document.

Control 2

1, 14 = ~~0~~ F

Mr. Lonnie P. Nadal  
Page 2

If you have any questions, please contact me at (213) 266-7561 or  
call Mr. E. Solomon at (213) 266-7574.

A handwritten signature in cursive script that reads "Joshua M. Workman". The signature is written in dark ink and is positioned above the printed name.

JOSHUA M. WORKMAN  
Senior Water Resource  
Control Engineer

EGS/egs

cc: see attached mailing list

Lincoln Property Company  
Mailing List

Environmental Protection Agency, Region IX, (W-5-1)  
U. S. Army Corps of Engineers  
NOAA, National Marine Fisheries Service  
Mr. Archie Mathews, Division of Water Quality, State Water  
Resources Control Board  
California Department of Fish and Game, Region 5  
California Department of Health Services, Public Water  
Supply Branch  
California Department of Health Services, Toxic Substances  
Control Division, Facilities Permitting Unit (Region 3)  
Mr. Leonard Nagler, California Department of Water Resources,  
Southern District  
Mr. Carl Sjoberg, Los Angeles County Department of Public Works,  
Waste Management Division  
Mr. George Beaty, City of Santa Fe Springs  
Ms. Linda Baker, Kleinfelder

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

ORDER NO. 90-012

NPDES NO. CA0061000

WASTE DISCHARGE REQUIREMENTS  
FOR  
LINCOLN PROPERTY COMPANY - LINCOLN INDUSTRIAL CENTER

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

1. Lincoln Property Company (Lincoln hereafter), has filed a report of waste discharge and has applied for a permit to discharge wastes under the National Pollutant Discharge Elimination System (NPDES) Permit.
2. Lincoln operates Lincoln Industrial Center, a warehouse and distribution center for Ralph's Grocery Stores and a Great Dane truck and trailer maintenance garage located at 12500 East Slauson Avenue, Santa Fe Springs, California.
3. In June 1986, six underground tanks (two diesel tanks, two gasoline tanks, one waste oil tank and one motor oil tank) were removed. Subsequently, approximately 420 cubic yards of diesel fuel contaminated soils were transported to a disposal site.
4. Site assessment results indicated that the soil and groundwater at this facility have been contaminated with petroleum hydrocarbons and solvents. The groundwater contamination has already migrated offsite. The extent of contamination has not been fully defined yet.
5. There are currently eleven groundwater monitoring wells at the site. Preliminary site assessment work found up to 6 feet of diesel fuel floating on the groundwater in two monitoring wells. To date, a total of 365 gallons of free phase of diesel fuel has been recovered.
6. Lincoln has proposed a mitigation plan, including groundwater extraction, a fuel-water separator and a carbon filtration system. The contaminated groundwater will be treated by a granular activated carbon filtration system before it is discharged into the storm drain.

7. Lincoln proposes to discharge up to 8,000 gallons per day of treated groundwater from the cleanup of petroleum hydrocarbons and solvents in the groundwater. The treated groundwater will be discharged into the Sorenson Storm Drain located in the central portion of Lincoln Industrial Center. The storm drain is a tributary to Coyote Creek, a water of the United States.
8. Effluent containing contaminants in excess of the limits adopted in this permit will not be discharged to the storm drain. Should contaminant levels in the treated groundwater exceed permit specifications, alternate disposal, storage or additional treatment followed by laboratory analyses of the groundwater to demonstrate compliance with discharge limitations will be required.
9. Federal law stipulates that all NPDES permits require the implementation of best available technology economically achievable. Granular activated carbon filters have been used extensively for cleanup of contaminated groundwater, particularly for the removal of volatile organic compounds. This method is currently considered to be the best available technology economically achievable.
10. The maximum discharge limitations specified in this permit are based upon the State Department of Health Services Recommended Action Levels, primary drinking water standards, Environmental Protection Agency water quality criteria, Water Quality Control Plan for the Los Angeles Basin Area, and/or best available technology economically feasible.
11. The Board adopted a revised Water Quality Control Plan for the Los Angeles River Basin on November 27, 1978. The Water Quality Control Plan contains water quality objectives for the California nearshore zone. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
12. The beneficial uses of the receiving waters are: water contact recreation, non-contact water recreation and wildlife habitat.
13. Effluent limitation standards established pursuant to Section 301 of the Federal Clean Water Act and amendments thereto, may be applicable to this discharge.
14. The issuance of waste discharge requirements for this discharge is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, commencing with Section 21100) in accordance with California Water Code Section 13389.

The Board has notified the discharger, interested agencies and persons of its intent to adopt waste discharge requirements for this discharge. The Board has provided these persons 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 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 the date of its adoption, provided the Regional Administrator, EPA, has no objections.

IT IS HEREBY ORDERED, that Lincoln, 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

- a. Wastes discharged shall be limited to treated groundwater as proposed.
- b. The discharge of an effluent in excess of the following limits is prohibited.

Discharge Limitations  
-----

<u>Constituent</u>	<u>30-day average</u>	<u>maximum</u>
Oil & Grease	10 mg/l 0.65 lb/day*	15 mg/l 0.99 lb/day*
Benzene		1 ug/l
Toluene		10 ug/l
Total Xylene		10 ug/l
Ethylbenzene		10 ug/l
Ethylene dibromide		0.02 ug/l
Tetrachloroethylene		4 ug/l
Trichloroethylene		5 ug/l
Lead		0.05 mg/l

\* Based upon a maximum flow rate of 8, 000 gallons per day.

- c. The effluent toxicity should be such that the average survival in undiluted effluent for any three consecutive 96-hour static or continuous flow bioassay tests shall be at least 90% , with no single test producing less than 70% survival

II. Requirements and Provisions

1. This Order includes the attached "Standard Provisions and General Monitoring and Reporting Requirements".
2. Prior to "on line" discharge from the facility, the discharger shall obtain a storm drain connection permit from the local and/or relevant agency as warranted.
3. Prior to "on line" discharge from the facility, laboratory analysis of "trial run" treated effluent confirming wastewater quality within the limits specified by this permit shall be performed to confirm that the wastewater quality is within the limits specified by this permit. The effluent may then be discharged to the storm drain as proposed. Effluents containing contaminants in excess of the limits adopted in this permit shall not be discharged to the storm drain. Should contaminated levels in treated wastewater exceed permit specifications, alternative disposal, storage, or additional treatment followed by substantiating laboratory analysis of the wastewater will be required.

III. Expiration Date

This Order expires on January 10, 1995.

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, 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 January 29, 1990.



ROBERT P. GHIRELLI, D.Env.  
Executive Officer

EGG



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

STANDARD PROVISIONS, GENERAL MONITORING AND  
REPORTING REQUIREMENTS

A. General Requirements

1. Neither the disposal nor any handling of wastes shall cause pollution or nuisance.
2. Wastes discharged shall not contain any substances in concentrations toxic to human, animal, plant, or aquatic life.
3. This discharge shall not cause a violation of any applicable water quality standards 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. If more stringent applicable water quality standards are promulgated or approved pursuant to Section 303 of the Federal Clean Water Act, and amendments thereto, the Board will revise and modify this Order in accordance with such more stringent standards.
4. Wastes discharged shall not contain visible oil or grease, and shall not cause the appearance of grease, oil or oily slick, or persistent foam in the receiving waters or on channel banks, walls, inverts or other structures.
5. Wastes discharged shall not increase the natural turbidity of the receiving waters at the time of discharge.
6. Wastes discharged shall not cause the formation of sludge deposits.
7. Wastes discharged shall not damage flood control structures or facilities.
8. Oil or oily material, chemicals, refuse, or other pollutionable materials shall not be stored or deposited in areas where they may be picked up by rainfall and carried off of the property and/or discharged to surface waters. Any spill of such materials shall be contained and removed immediately.
9. The pH of wastes discharge shall at all times be within the range 6.0 to 9.0.



Standard Provisions  
and General Monitoring  
and Reporting Requirements

10. The temperature of wastes discharged shall not exceed 100° F.
11. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.
12. Effluent limitation standards established pursuant to Section 301 of the Federal Clean Water Act and amendments thereto are applicable to the discharge.

B. General Provisions

1. 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.
2. These requirements do not exempt the operator of the waste disposal facility from compliance with any other laws, regulations, or ordinances which may be applicable; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
3. The discharger must comply with all of the terms, requirements, and conditions of this order. Any violation of this order constitutes a violation of the Clean Water Act, its regulations and the California Water Code, and is grounds for enforcement action, Order termination, Order revocation and reissuance, denial of an application for reissuance; or a combination thereof.
4. A copy of these waste discharge specifications shall be maintained at the discharge facility so as to be available at all times to operating personnel.
5. Any discharge of wastes at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.
6. The Regional Board, EPA, and other authorized representatives shall be allowed:

Standard Provisions  
and General Monitoring  
and Reporting Requirements

- a) Entry upon premises where a regulated facility is located or conducted, or where records are kept under conditions of this Order;
  - (b) Access to copy any records that are kept under the conditions of this Order;
  - (c) to inspect any facility, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
  - (d) To photograph, sample, and monitor for the purpose of assuring compliance with this Order, or as otherwise authorized by the Clean Water Act and the California Water Code.
7. If the discharger wishes to continue an activity regulated by this Order after the expiration date of this Order, the discharger must apply for and obtain a new Order.
8. The discharger shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish these standards or prohibitions, even if this Order has not yet been modified to incorporate the requirement. If a toxic effluent standard or prohibition is established for toxic pollutant which is present in the discharge authorized herein and such standard or prohibition is more stringent than any limitation upon such pollutant in this Order, the Board will revise or modify this Order in accordance with such toxic effluent standard or prohibition and so notify the discharger.
9. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including, but not limited to:
- (a) Violation of any term or condition contained in this Order;
  - (b) Obtaining this Order by misrepresentation, or failure to disclose all relevant facts;

Standard Provisions  
and General Monitoring  
and Reporting Requirements

(c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

10. In the event the discharger is unable to comply with any of the conditions of this Order due to:

(a) breakdown of waste treatment equipment;

(b) accidents caused by human error or negligence; or

(c) other causes such as acts of nature,

the discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate what steps were taken to correct the problem and the dates thereof, and what steps are being taken to prevent the problem from recurring.

11. If there is any storage of hazardous or toxic materials or hydrocarbons at this facility and if the facility is not manned at all times, a 24-hour emergency response telephone number shall be prominently posted where it can easily be read from the outside.

12. The discharger shall take all reasonable steps to minimize or prevent any discharge that has a reasonable likelihood of adversely affecting human health or the environment.

13. The discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the discharger to achieve compliance with this Order. Proper operation and maintenance includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar system that are installed by a discharger only when necessary to achieve compliance with the conditions of this Order.

Standard Provisions  
and General Monitoring  
and Reporting Requirements

14. This Order may be modified, revoked and reissued, or terminated for cause. The filing of a request by the discharger for a modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
15. This Order does not convey any property rights of any sort, or any exclusive privilege.
16. The discharger shall furnish, within a reasonable time, any information the Regional Board or EPA may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The discharger shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.
17. All applications, reports, or information submitted to the Regional Board shall be signed:
  - (a) In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which discharge originates;
  - (b) In the case of a partnership, by a general partner;
  - (c) In the case of a sole proprietorship, by the proprietor;
  - (d) In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.
18. The discharger shall notify the Board of:
  - (a) new introduction into such works of pollutants from a source which could be a new source as defined in section 306 of the Federal Clean Water Act, or amendments thereto, if such source were discharging pollutants to the waters of the United States,

Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (b) new introductions of pollutants into such works from a source which would be subject to Section 301 of the Federal Clean Water Act, or amendments thereto, if substantial change in the volume or character of pollutants being introduced into such works by a source introducing pollutants into such works at the time the waste discharge requirements were adopted.

Notice shall include a description of the quantity and quality of pollutants and the impact of such change on the quantity and quality of effluent from such publicly owned treatment works. A substantial change in volume is considered an increase of ten percent in the mean dry-weather flow rate. The discharger shall forward a copy of such notice directly to the Regional Administrator.

19. The discharger shall notify the Board not later than 120 days in advance of implementation of any plans to alter production capacity of the product line of the manufacturing, producing or processing facility by more than ten percent. Such notification shall include estimates of proposed production rate, the type of process, and projected effects on effluent quality. Notification shall include submittal of a new report of waste discharge appropriate filing fee.
20. The discharger shall give advance notice to the Regional Board as soon as possible of any planned physical alterations or additions to the facility or of any planned changes in the facility or activity that may result in noncompliance with requirements.
21. The discharger shall file with the Board a report of waste discharge at least 120 days before making any material change or proposed change in the character, location or volume of the discharge.
22. All existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Regional Board as soon as they know or have reason to believe:
- (a) that any activity has occurred or will occur that would result in the discharge of any toxic pollutant that is not limited to this Order, if that discharge will exceed the highest of the following "notification levels:"

Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (i) One hundred micrograms per liter (100 ug/l);
  - (ii) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and 2methyl 4,6 -dinitrophenol; and one milligram per liter (1 mg/l) for antimony;
  - (iii) Five (5) times the maximum concentration value reported for that pollutant in the permit application; or
  - (iv) The level established by the Regional Board in accordance with 40 CFR 122.44(f).
- (b) that they have begun or expect to begin to use manufacture intermediate or final product or byproduct any toxic pollutant that was not reported on their application.
23. Bypass (the intentional diversion of waste streams from any portion of a treatment facility) is prohibited. The Regional Board may take enforcement action against the discharger for bypass unless.
- (a) Bypass was unavoidable to prevent loss of life, personal injury or severe property damage. (Severe property damage means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.);
  - (b) There were no feasible alternatives to bypass, such as the use of auxiliary treatment facilities, retention of untreated waste, or maintenance during normal periods of equipment down time. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgement to prevent a bypass that could occur during normal periods of equipment downtime or preventive maintenance; and



Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (c) The discharger submitted a notice at least ten days in advance of the need for a bypass to the Regional Board.

The discharger may allow a bypass to occur that does not cause effluent limitations to be exceeded, but only if it is for essential maintenance to assure efficient operation. In such a case, the above bypass conditions are not applicable. The discharger shall submit notice of an unanticipated bypass as required in E-16.

24. A discharger that wishes to establish the affirmative defense of an upset in an action brought for non-compliance shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
- (a) an upset occurred and that the discharger can identify the cause(s) of the upset;
  - (b) the permitted facility was being properly operated by the time of the upset;
  - (c) the discharger submitted notice of the upset as required in E-16; and
  - (d) the discharger complied with any remedial measures required.

No determination made before an action for noncompliance, such as during administrative review of claims that non-compliance was caused by an upset, is final administrative action subject to judicial review.

In any enforcement proceeding the discharger seeking to establish the occurrence of an upset has the burden of proof.

25. This Order is not transferable to any person except after notice to the Regional Board. In the event of any change in name, ownership, or control of these waste disposal facilities, the discharger shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, copy of which shall be forwarded to the Board. The Regional Board may require modification or revocation



Standard Provisions  
and General Monitoring  
and Reporting Requirements

and reissuance of the Order to change the name of the discharger and incorporate such other requirements as may be necessary under the Clean Water Act.

C. Enforcement

1. The California Water Code provides that any person who violates a waste discharge requirement or a provision of the California Water Code is subject to civil penalties of up to \$5,000 per day, \$10,000 per day, or \$25,000 per day of violation, or when the violation involves the discharge of pollutants, is subject to civil penalties of up to \$10 per gallon per day or \$20 per gallon per day of violation; or some combination thereof, depending on the violation, or upon the combination of violations.

Violation of any of the provisions of the NPDES program or of any of the provisions of this Order may subject the violator to any of the penalties described herein, or any combination thereof, at the discretion of the prosecuting authority; except that only one kind of penalty may be applied for each kind of violation.

2. The Federal Clean Water Act (CWA) provides that any person who violates a permit condition implementing sections 301, 302, 306, 307, or 308 of the CWA is subject to a civil penalty not to exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions implementing these sections of the CWA is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.
3. The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this Order shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six months per violation, or by both.
4. It shall not be a defense for a discharger in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Order.

Standard Provisions  
and General Monitoring  
and Reporting Requirements

5. The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this Order, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

D. Monitoring Requirements

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The discharger shall retain records of all monitoring information, including all calibration and maintenance monitoring instrumentation, copies of all reports required by this Order, and records of all data used to complete the Report of Waste Discharge and application for this Order, for a period of at least three years from the date of the sample, measurement, report, or application. This period may be extended by request of the Regional Board or EPA at any time and shall be extended during the course of any unresolved litigation regarding this discharge.
3. Records of monitoring information shall include:
  - (a) The date, exact place, and time of sampling or measurements;
  - (b) The individual(s) who performed the sampling or measurements;
  - (c) The date(s) analyses were performed;
  - (d) The individual(s) who performed the analyses;
  - (e) The analytical techniques or methods used; and
  - (f) The results of such analyses.
4. All sampling, sample preservation, and analyses must be conducted according to test procedures under 40 CFR Part

Standard Provisions  
and General Monitoring  
and Reporting Requirements.

136, unless other test procedures have been specified in this Order.

5. All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer.
6. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and to insure accuracy of measurements, or shall insure that both equipment activities will be conducted.
7. The discharger shall have, and implement, an acceptable written quality assurance (QA) plan for laboratory analyses. The annual monitoring report required in E-8 shall also summarize the QA activities for the previous year. Duplicate chemical analyses must be conducted on a minimum of ten percent (10%) of the samples, or at least one sample per sampling period, whichever is greater. A similar frequency shall be maintained for analyzing spiked samples.

When requested by the Board or EPA, the discharger will participate in the NPDES discharge monitoring report QA performance study. The discharger must have a success rate equal to or greater than 80%.

8. Effluent samples shall be taken downstream of any addition to treatment works and prior to mixing with the receiving waters.
9. For parameters where both 30-day average and maximum limits are specified but where the monitoring frequency is less than for times a month, the following procedure shall apply:
  - (a) Initially, not later than the first week of the second month after the adoption of this permit, a representative sample shall be obtained of each waste discharge at least once per week for at least four consecutive weeks and until compliance with the 30-day average limit has been demonstrated. Once compliance has been demonstrated, sampling and analyses shall revert to the frequency specified.

Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (b) If future analyses of two successive samples yield results greater than 90% of the maximum limit for a parameter, the sampling frequency for that parameter shall be increased (within one week of receiving the laboratory result on the second sample) to a minimum of once weekly until at least four consecutive weekly samples have been obtained and compliance with the 30-day average limit has been demonstrated again and the discharger has set forth for the approval of the Executive Officer a program which ensures future compliance with the 30-day average limit.

E. Reporting Requirements

1. The discharger shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.
2. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the date, the constituents, and the concentrations are readily discernable. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.
3. For every item where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at the earliest time and submit a timetable for correction.
4. The discharger shall submit to the Board, together with the first monitoring report required by this permit, a list of all chemicals and proprietary additives which could affect this waste discharge, including quantities of each. Any subsequent changes in types and/or quantities shall be reported promptly.
5. The discharger shall file a technical report with this Board not later than 30 days after receipt of this Order, relative to the operation and maintenance program for this waste disposal facility. The information to be

Standard Provisions  
and General Monitoring  
and Reporting Requirements

contained in that report shall include as a minimum, the following:

- (a) The name and address of the person or company responsible for operation and maintenance of the facility.
- (b) Type of maintenance (preventive or corrective).
- (c) Frequency of maintenance, if preventive.

If an operation and maintenance report has been supplied to the Board previously and there have no changes, a second report need not be provided.

- 6. Monitoring results shall be reported at the intervals specified in the monitoring and Reporting Program.
  - (a) Monitoring results must be reported on a Discharge Monitoring Report (DMR).
  - (b) If the discharger monitors any pollutant more frequently than required by this Order using test procedures approved under 40 CFR Part 136 or as specified in this Order, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
  - (c) Calculations for all limitations that require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this Order.
- 7. Reports of compliance or noncompliance with, or any progress reports on interim and final requirements contained in any compliance schedule of this Order shall be submitted no later than 14 days following, each schedule date.
- 8. By March 1 of each year, the discharger shall submit an annual report to the Board. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with

Standard Provisions  
and General Monitoring  
and Reporting Requirements

the waste discharge requirements.

9. The discharger shall include in the annual report, an annual summary of the quantities of all chemicals, listed by both trade and chemical names, which are used for cooling and/or boiler water treatment and which are discharged.
10. Each monitoring report must affirm in writing that "all analyses were conducted at a laboratory certified for such analyses by the State Water Resources Control Board or approved by the Executive Officer and in accordance with current EPA guideline procedures or as specified in this Monitoring Program".
11. Each report shall contain the following completed declaration:

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted.

Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility, of a fine and imprisonment for knowing violations.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_,  
at \_\_\_\_\_.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)"

12. If no flow occurred during the reporting period, the monitoring report shall so state.



Standard Provisions  
and General Monitoring  
and Reporting Requirements

13. For any analyses performed for which no procedure is specified in the EPA guidelines or in the monitoring and Reporting Program, the constituent or parameter analyzed and the method or procedure used must be specified in the monitoring report.
14. This Board requires the discharger to file with the Board, within 90 days after the effective date of the Order, a technical report on his preventive (failure) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effects of such events. The technical report should:
  - (a) Identify the possible sources of accidental discharges, untreated waste bypass, and contaminated draft water. Loading and storage areas, power outage, treatment unit outage, and failure of pumping equipment, tanks and pipes should be considered.
  - (b) Evaluate the effectiveness of present facilities and procedures and state when they will be operational.
  - (c) Describe facilities and procedures needed to implement effective preventive and contingency plans.
  - (d) Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule contingent interim and final dates when they will be constructed, implemented and operational.

This Board, after review of the technical report, shall establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events.

Such conditions may be incorporated as part of the Order, upon notice to the discharger.

15. In the event wastes are transported to a different disposal site during the report period, the following shall be reported in the monitoring report:
  - (a) Types of wastes and quantity of each type;



Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (a) Any unanticipated bypass that exceeds any effluent limitation in the Order.
- (b) Any upset that exceeds any effluent limitation in the Order.
- (c) Violation of a maximum daily discharge limitation for any of the pollutants listed in this Order to be reported within 24 hours.

The Regional Board may waive the above-required written report on a case-by-case basis.

- 17. Should the discharger discover that it failed to submit any relevant facts or that it submitted incorrect information in a report, it shall promptly submit the missing or correct information.
- 18. The discharger shall report all instances of non-compliance not otherwise reported at the time monitoring reports are submitted. The reports shall contain all information listed in E-16.
- 19. Each monitoring report shall state whether or not there was any change in the discharge as described in the Order during the reporting period.
- 20. The discharger shall mail a copy of each monitoring report to:

TECHNICAL SUPPORT UNIT  
CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD - LOS ANGELES REGION  
101 Centre Plaza Drive  
Monterey Park, CA 91754-2156

A copy of such monitoring report for those discharges designated as a major discharge shall also be mailed to:

REGIONAL ADMINISTRATOR  
ENVIRONMENTAL PROTECTION AGENCY  
REGION 9  
1235 Mission Street  
San Francisco, CA 94103

Standard Provisions  
and General Monitoring  
and Reporting Requirements

information listed in E-16.

19. Each monitoring report shall state whether or not there was any change in the discharge as described in the Order during the reporting period.
20. The discharger shall mail a copy of each monitoring report to:

EXECUTIVE OFFICER  
CALIFORNIA REGIONAL WATER QUALITY  
CONTROL BOARD - LOS ANGELES REGION  
101 Centre Plaza Drive  
Monterey Park, CA. 91754-2156

A copy of such monitoring report for those discharges designated as a major discharge shall also be mailed to:

REGIONAL ADMINISTRATOR  
ENVIRONMENTAL PROTECTION AGENCY  
REGION 9  
215 Fremont Street  
San Francisco, CA. 94105

F. Publicly Owned Wastewater Treatment Plant Requirements  
(Does not apply to any other type or class of discharger)

1. Publicly owned treatment works (POTWs) must provide adequate notice to the Regional Board of:
  - (a) Any new introduction of pollutants into the POTW from an indirect discharger that would be subject to sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants.
  - (b) Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the Order.

Adequate notice shall include information on the quality and quantity of effluent introduced into the POTW as well as any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

Standard Provisions  
and General Monitoring  
and Reporting Requirements

2. The discharger shall file a written report with the Board within 90 days after the average dry-weather waste flow for any month equals or exceeds 75 percent 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:
  - (a) 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.
  - (b) The discharger's best estimate of when the average daily dry weather flow rate will equal or exceed the design capacity of his facilities.
  - (c) 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.
3. The flow measurement system shall be calibrated at least once per year or more frequently, to ensure continued accuracy.
4. The discharger shall require any industrial user of the treatment works to comply with applicable service charges and toxic pretreatment standards promulgated in accordance with Sections 204(b), 307, and 308 of the Federal Clean Water Act or amendments thereto. The discharger shall require each individual user to submit periodic notice (over intervals not to exceed nine months) of progress toward compliance with applicable toxic and pretreatment standards developed pursuant to the Federal Clean Water Act or amendments thereto. The discharger shall forward a copy of such notice to the Board and the Regional Administrator.
5. Collected screening, sludges, and other solids removed from liquid wastes shall be disposed of at a legal point of disposal and in accordance with the provisions of Division 7 of the California Water Code. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have

Standard Provisions  
and General Monitoring  
and Reporting Requirements

prescribed by a Regional Water Quality Control Board and which is in full compliance therewith.

6. Supervisors and operators of publicly owned wastewater treatment plants shall possess a certificate of appropriate grade in accordance with regulations adopted by the State Water Resources Control Board.

The annual report required by E-8 shall address operator certification and provide a list of current operating personnel and their grade of certification. The report shall include the date of each facility's Operation and Maintenance Manual, the date the manual was last reviewed, and whether the manual is complete and valid for the current facilities. The report shall restate, for the record, the laboratories used by the discharger to monitor compliance with this order and permit and provide a summary of performance.

G. Definitions

1. "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility whose operation is necessary to maintain compliance with the terms and conditions of this Order.
2. "Composite sample" means, for flow rate measurements, the arithmetic mean of no fewer than eight individual measurements taken at equal intervals for 24 hours or for the duration of discharge, whichever is shorter.

"Composite sample" means, for other than flow rate measurement,

- (a) A combination of at least eight individual portions obtained at equal time intervals for 24 hours, or the duration of the discharge, whichever is shorter. The volume of each individual portion shall be directly proportional to the discharge flow rate at the time of sampling.

OR

- (b) A combination of at least eight individual portions of equal volume obtained over a 24-hour period. The time interval will vary such that the volume of

Standard Provisions  
and General Monitoring  
and Reporting Requirements

wastewater discharged between samplings remains constant.

The compositing period shall equal the specified sampling period, or 24 hours, if no period is specified.

3. "Daily discharge" means:

- (a) For flow rate measurements, the average flow rate measured during a calendar day or during any 24-hour period reasonably representative of the calendar day for purposes of sampling.
- (b) For pollutant measurements, the concentration or mass emission rate measured during a calendar day or during any 24-hour period reasonably representative of the calendar day for purposes of sampling.

4. The "daily discharge rate" shall be obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate} = \frac{8.34}{N} \sum_{i=1}^N Q_i C_i$$

in which N is the number of samples analyzed in any calendar day, Q<sub>i</sub> and C<sub>i</sub> are the rate (MGD) and the constituent concentration (mg/l) respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C<sub>i</sub> is the concentration measured in the composite sample and Q<sub>i</sub> is the average flow rate occurring during the period over which samples are composited.

- 5. "Daily maximum" limit means the maximum acceptable "daily discharge" for pollutant measurements, unless otherwise specified, the results to be compared to the "daily maximum" limit are based on composite samples."
- 6. "Duly authorized representative" is one whose:
  - (a) Authorization is made in writing by a principal executive officer or ranking elected official;

Standard Provisions  
and General Monitoring  
and Reporting Requirements

- (b) Authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual or position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- (c) Written authorization is submitted to the Regional Board and EPA Region 9. If an authorization becomes no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements above must be submitted to the Regional Board and EPA Region 9 prior to or together with any reports, information, or applications to be signed by an authorized representative.
7. "Grab sample" is defined as any individual sample collected in a short period of time not exceeding 15 minutes. "Grab samples" shall be collected during normal peak loading conditions for the parameter of interest, which may or may not be during hydraulic peaks. It is used primarily in determining compliance with "daily maximum" limits and the "instantaneous maximum" limits.
8. "Hazardous substance" means any substance designated under 40 CFR 116 pursuant to Section 311 of the Clean Water Act.
9. "Heavy metals" are for purposes of this Order, arsenic, cadmium, chromium, copper, lead, mercury, silver, nickel, and zinc.
10. "Instantaneous maximum" concentration is defined as the maximum value measured from any single "grab sample."
11. "Median" of an ordered set of values is that value that value above and below which there is an equal number of values, or which is the arithmetic mean of the two middle values, if there is no one middle value.



Standard Provisions  
and General Monitoring  
and Reporting Requirements

12. "Priority pollutants" are those constituents referred to in 40 CFR 401.15 and listed in the EPA NPDES Application Form 2C, pp. V-3 through V-9.
13. "6-month median" means a moving "median" of daily values for any 180-day period in which daily values represent flow-weighted average concentrations within a 24-hour period. For intermittent discharges, the daily value shall be considered to equal zero for days on which no discharge occurred.
14. "7-day" and "30-day average" shall be the arithmetic average of the values of daily discharge calculated using the results of analyses of all samples collected during any 7 and 30 consecutive calendar day periods, respectively.
15. "Toxic pollutant" means any pollutant listed as toxic under section 307(a)(1) of the Clean Water Act or under 40 CFR 122, Appendix D.
16. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with effluent limitations because of factors beyond the reasonable control of the discharger. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper action.



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM  
FOR  
LINCOLN PROPERTY COMPANY - LINCOLN INDUSTRIAL CENTER  
(NPDES PERMIT NO. CA0061000)  
(CI No.6923)

Lincoln shall implement this Monitoring and Reporting Program on the effective date of this Order.

1. The monitoring program shall consist of influent, effluent and groundwater sampling.
  - a. A sampling station shall be established for the discharge and shall be located where representative samples of treated groundwater can be obtained prior to discharge. Effluent shall be sampled during each treatment and discharge event.
  - b. The groundwater sampling locations shall include influent water quality prior to treatment, and the eleven groundwater monitoring wells. Influent shall be sampled for water quality prior to each treatment and discharge event.
2. The following shall constitute the effluent Monitoring Program.

<u>Constituent</u>	<u>Units</u>	<u>EPA Method Number</u>	<u>Type of Sample</u>	<u>Minimum frequency of Analysis</u>
pH	pH units	150.1	grab	weekly(2)
Temperature	°F	-	grab	weekly(2)
Effluent flow	gal/day	-	-	weekly(2)
Oil & Grease	mg/l	413.2	grab	weekly(2)
Benzene	ug/l	602/624	grab	weekly(2)
Toluene	ug/l	602/624	grab	weekly(2)
Xylene (total)	ug/l	602/624	grab	weekly(2)
Ethylbenzene	ug/l	602/624	grab	weekly(2)
Lead	ug/l	7421	grab	quarterly
Total Petroleum hydrocarbons	mg/l	8015	grab	quarterly
Tetrachloroethylene	ug/l	601/624	grab	weekly(2)
Trichloroethylene	ug/l	601/624	grab	weekly(2)
Ethylene Dibromide	ug/l	601	grab	weekly(2)
Toxicity(1)	% survival	-	grab	annually(1)

- [1] By the method specified in "Guidelines for Performing Static Acute Toxicity Fish Bioassays in Municipal and Industrial Wastewaters" - July 1976 (California State Water Resources Control Board and Department of Fish and Game). Submission of bioassay results should include the information noted on pages 31 and 32 of the "Guidelines". The fathead minnow (*Pimephales promelas*) may be used as the test species instead of the golden shiner (*Notemigonus crysoleucas*).

If the results of the annual toxicity test yield a survival of less than 90%, then the frequency of analyses shall increase to bimonthly until at least three consecutive test results have been obtained and full compliance with Effluent Limitation I.c. has been demonstrated, after which the frequency of the analyses shall revert to annually.

- [2] Following the complete system installation and subsequent startup, weekly sampling shall continue for at least twelve months, or until such time that the Executive Officer approves a change in the sampling frequency. At the end of twelve months, following a cleanup system evaluation by Board staff, sampling frequency may be reduced to monthly or quarterly, by a written request.
3. The discharger shall implement this monitoring program on the effective date of this Order. Monitoring reports shall be submitted monthly by the first day of the second following month. The first report under this program is due by March 1, 1989. If no discharge occurred during the reporting period, the report shall so state.
4. The first annual summary report shall include the results of all analyses and a complete system evaluation. This evaluation shall include an analysis of the effectiveness of the system. The analyses shall include, but not be limited to, the present groundwater conditions, rate of cleanup, system operating conditions, projected completion schedule (if possible) and any modifications made during the life of the system.
5. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. The data shall be summarized to determine compliance with waste discharge requirements.

Lincoln Industrial Center  
Order No.90-012

CA0061000

6. Each report shall contain the following completed declaration:  
" I declare under penalty of perjury that the foregoing is true  
and correct.

Executed on the \_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_

\_\_\_\_\_ signature

\_\_\_\_\_ title".

Operating and Maintenance Report

The discharger shall file a technical report with this Board no later than 30 days after receipt of this Order, relative to the operation and maintenance program for the groundwater treatment system.

Hauling Report

In the event wastes are transported to a different disposal site during the report period, the following shall be reported in the monitoring report.

- a. Types of wastes and quantities of each
- b. Name and address for each hauler of wastes (or method of transport if other than by hauling) and
- c. Location of the final point(s) of disposal for each type of waste.

If no wastes are transported offsite during the reporting period, a statement to that effect shall be submitted.

Monitoring reports shall be signed by:

- a. In the case of corporation, by a principal executive officer at least of the level of vice-president, or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge originates.
- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of municipal, state or other public facility, by either a principal executive officer, ranking elected official, or other duly authorized employee.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D.Env.  
Executive Officer