

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

ORDER NO. 95-057
WASTE DISCHARGE REQUIREMENTS
FOR
SHELL OIL COMPANY
(Septic Tank and Seepage Pit System)
(File No. 95-027)

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

1. Shell Oil Company (hereinafter Discharger) has filed a complete report of waste discharge for the subsurface disposal of domestic wastes. The Discharger owns and operates a gasoline service station, carwash, and mini-market located at 3820 Sierra Highway, Acton, California (Figure 1).
2. The site was originally developed by Daytom Enterprises to accommodate a Shell Gasoline Service Station No. 89354 and a Jack In The Box Fast Food Restaurant. The site previously consisted of one lot, Tract No. 21321, which was subdivided into two 0.7 acre commercial lots and one 1.8 acre residential lot. The Shell Gasoline Service Station is located on 0.7 acres of this subdivision. Domestic wastes are discharged into separate subsurface sewage disposal systems, on each commercial site, under Waste Discharge Requirements contained in Order No. 91-053, adopted by the Regional Board on April 22, 1991. These Waste Discharge Requirements supersede Order No. 91-053, and will regulate the Shell Gasoline Service Station only.
3. The Discharger discharges up to 1,500 gallons per day of domestic waste produced from two restroom facilities. Wastes are discharged to a subsurface sewage disposal system consisting of one 3,750 gallon septic tank and two seepage pits.

Carwash wastewater from the Shell Service Station is recycled on-site. No carwash wastes are discharged to the ground or the septic tank system. No stormwater runoff will be discharged to the septic tank system.
4. The septic tank and seepage pit disposal area is located in Section 25, Township 5N, Range 13W, San Bernardino Base & Meridian. (The facilities approximate latitude is 34° 28' 16.51", and longitude is 118° 11' 46.78").
5. Domestic water for the site is supplied by Los Angeles County Water Works District No. 37, located in Acton.

6. The project is located in an unsewered area of Acton. The cumulative nitrate increase in the groundwater, from the combination of other waste discharges in the area, this waste discharge project, and future projects, may cause an unacceptable impact on groundwater resources.
7. An action level for nitrate in the groundwater has been identified at 34 mg/L, or 75% of the State Department of Health Services Maximum Contaminant Level [MCL] of 45 mg/L. Identification of nitrate at this level should allow sufficient time for emplacement and activation of mitigation measures, should they become necessary.
8. Discharges of domestic wastes to groundwater, associated with the use of septic tank and seepage pits, may impact water quality. As a result of this impact, the beneficial use of domestic supply may be adversely impacted or become unattainable.
9. When the project was constructed, dry sewers were installed in preparation to mitigate impacts to groundwater resources. Installation of dry sewers is considered to be an efficient and economical means of mitigating the long-term effects of septic tanks on groundwater. The threat to waters of the State is thereby reduced by preparing for the prompt hook-up to a regional collection system should such measures become necessary.
10. The septic tank and seepage pit disposal area is located within the Acton Valley Groundwater Basin in the Upper Santa Clara River Hydrologic Area of the Santa Clara-Callegues Hydrologic Unit.
12. The beneficial uses of the groundwater in the Acton Valley Groundwater Basin are municipal and domestic supply, agricultural supply, industrial service and process supply.
13. The Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The plan contains the beneficial uses and water quality objectives for groundwater in the Acton Valley Groundwater Basin. The requirements contained in this Order, as they are met, will be in conformance with the goals and objectives of the Water Quality Control Plan.

14. This project involves an existing facility, and as such, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 2100 et seq.) in accordance with California Code of Regulations, Title 14, Chapter 3, Section 15301.

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.

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

IT IS HEREBY ORDERED that the Shell Oil Company, shall comply with the following:

A. DISCHARGE LIMITATIONS

1. Wastes discharged shall be limited to treated domestic wastes only. No water softener regeneration brine waste, industrial, or commercial wastewaters shall be discharged at this location.
2. No carwash wastewater or stormwater runoff shall be discharged to the on-site septic tank system.
3. There shall be no on-site disposal of any sewage sludge. Any off-site disposal of sewage or sludge shall be made only to a legal point of disposal.
4. Any wastes that do not meet the foregoing requirements shall be held in impervious containers, transferred elsewhere, and the final discharge shall be at a legal point of disposal.
5. There shall be no discharge of wastes to surface water or watercourses at any time.

B. GENERAL REQUIREMENTS

1. In no case may the septic tank and seepage pit disposal system extend to within 10 feet of the zone of historic or anticipated high groundwater. The Discharger must submit certification within 30 days from adoption of this Order that the septic tank and seepage pit disposal system meets this requirement.

2. No part of the septic tank or seepage pit disposal system shall be closer than 150 feet to any water well, or closer than 100 feet to any stream, channel, or other watercourse.
3. Adequate facilities shall be provided to divert storm waters away from the septic tank and seepage pit disposal system, and from areas where any potential pollutants are stored.
4. The septic tank and seepage pit disposal system shall be protected from damage by storm flows, or runoff.
5. Wastes discharged shall at no time contain any substance in concentrations toxic to human, animal, plant, or aquatic life.
6. The septic tank and seepage pit disposal system shall be maintained in such a manner that at no time will sewage be permitted to surface or overflow at any location.
7. Odors of sewage origin shall not be perceivable beyond the limits of the property owned or controlled by the Discharger.
8. Neither the treatment nor the discharge of waste shall create a condition of pollution, contamination, or nuisance.
9. Wastes shall not be disposed of in geologically unstable areas or so as to cause earth movement.
10. Wastes discharged shall not impart tastes, odors, color, foaming, or other objectionable characteristics to receiving groundwater.
11. There shall be no on-site disposal of sludge. Any off-site disposal of sewage or sludge shall be made only to a legal point of disposal, and in accordance with provisions of Division 7.5 of the California Water Code. For the purpose of these requirements, a legal point of disposal is defined as one for which Waste Discharge Requirements have been established by a California Regional Water Quality Control Board, and which is in full compliance therewith.

C. PROVISIONS

1. A copy of these Waste Discharge Requirements shall be maintained at the facility so as to be available at all times to operating personnel.
2. This facility shall be compatible with regional sewerage and treatment plans.
3. Within six months after a community wastewater collection (sewer) system becomes available, the Discharger shall connect to the community sewer system and properly close the septic tank and seepage pit disposal system.
4. The Discharger shall file with the Regional Board technical reports on self-monitoring work performed according to the detailed specifications contained in the Monitoring and Reporting Program, as directed by the Executive Officer. The results of any monitoring done more frequently than required at the location and/or times specified in the Monitoring and Reporting Program shall be reported to the Regional Board.
5. The Discharger shall notify this Board within 24 hours of any adverse conditions as a result of the discharge of wastewater from this facility; written confirmation shall follow within one week. This information shall be confirmed in the next monitoring report. In addition, the report shall also include the reasons for the violations or adverse conditions, the steps being taken to correct the problem (including dates thereof), and the steps being taken to prevent a recurrence.
6. The Discharger shall submit complete as-built construction and operation details of the septic tank and seepage pit disposal system to the Board within 30 days after the adoption of this Order. Any addition and/or modifications made to the system shall be provided to this Regional Board within 90 days of the system upgrade or modification.
7. The Discharger shall comply with all rules and regulations of the Los Angeles County Department of Health Services for construction, operation, maintenance, expansion, and abandonment of subsurface sewage disposal systems.

8. This Order does not alleviate the responsibility of the Discharger to obtain other necessary local, state, and federal permits to construct facilities necessary for compliance with this Order; nor does this Order prevent imposition of additional standards, requirements, or conditions by any other regulatory agency.
9. Prior to any necessary repair to the septic tank and/or seepage pit disposal system, an engineer's analysis is required as to the completeness and determination of the effectiveness of the proposed repair work.
10. The Discharger shall file a written report with this Board within 90 days after the average dry-weather wastewater flow for any month equals or exceeds 90 percent of the design capacity of the septic tank and seepage pit disposal system. The report shall detail provisions to cope with the flows in excess of that figure.
11. For any modifications of the septic tank and/or seepage pit disposal system, the Discharger shall submit a report detailing the extension or expansion for the approval of the Executive Officer. Following construction, as-built drawings shall be submitted to the Executive Officer for approval prior to disposal of treated domestic wastewater.
12. Any discharge of wastewater at any point(s) other than specifically described in this Order is prohibited, and constitutes a violation of the Order.
13. 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;
 - (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.
14. The Discharger shall furnish, within a reasonable time, any information the Regional Board may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The Discharger

Shell Oil Company
Order No. 95-057

File No. 95-027

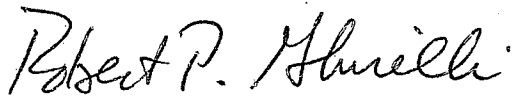
shall also furnish to the Regional Board, upon request, copies of records required to be kept by this Order.

15. 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.
16. This Order includes "Standard Provisions Applicable to Waste Discharge Requirements". If there is any conflict between provisions stated herein and the "Standard Provisions", those provisions stated herein will prevail.

D. Rescission

Order No. 91-053, adopted by this Board on April 22, 1991, is 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 15, 1995.



ROBERT P. GHIRELLI, D.Env.
Executive Officer

/DP-DAB

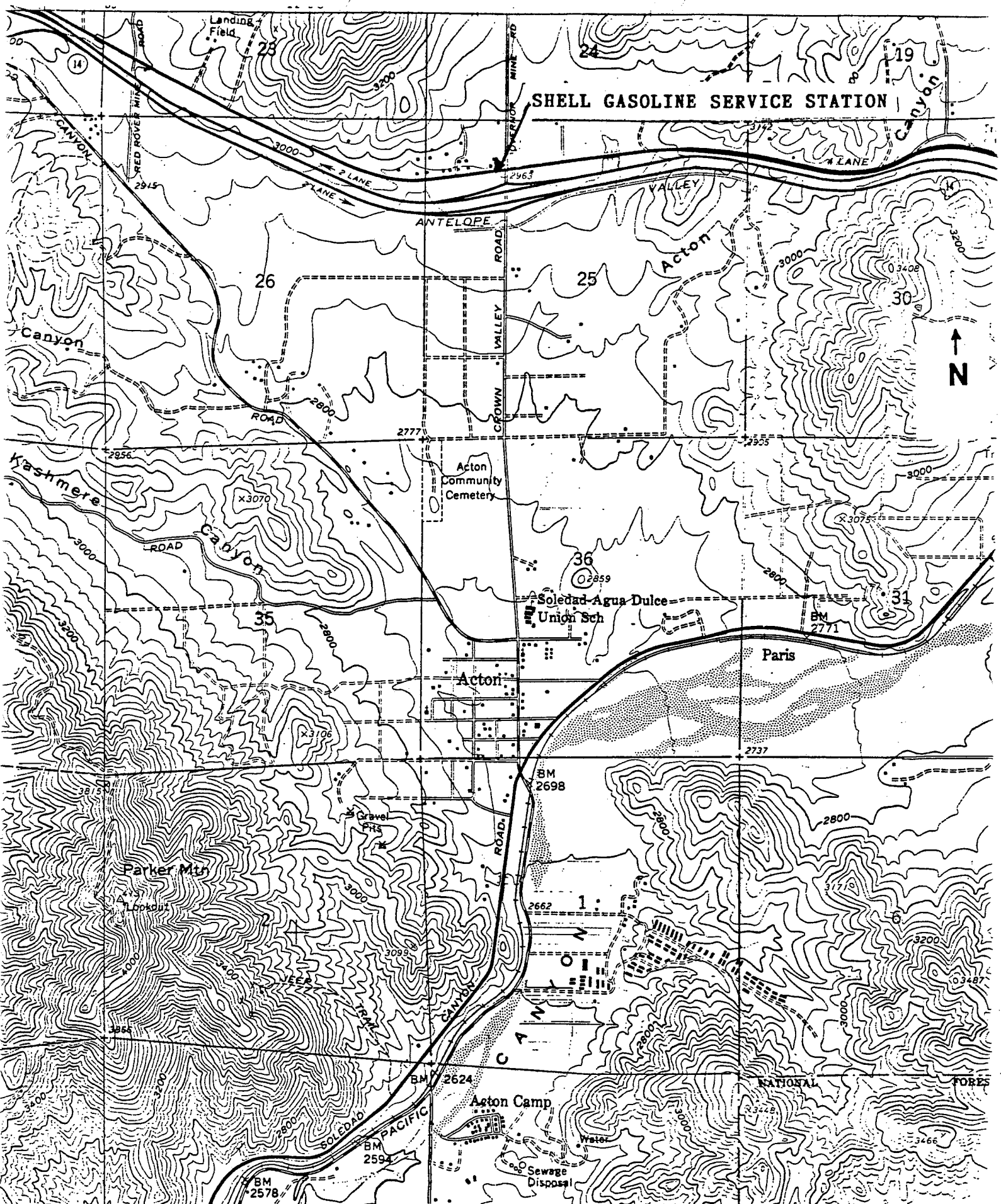


FIGURE 1- Facility Location: Shell Oil Company
 3820 Sierra Highway
 Acton, CA 93510
 (Septic Tank and Seepage Pit Disposal System)

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

MONITORING AND REPORTING PROGRAM NO. 7527

FOR

SHELL OIL COMPANY
(Septic Tank and Seepage Pit System)
(Order No. 95-057)
(File No. 95-027)

Shell Oil Company (hereinafter Discharger) shall implement this monitoring program on the effective date of this Order.

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

<u>Reporting Period</u>	<u>Report due</u>
January - March	April 30
April - June	July 30
July - September	October 30
October - December	January 30

The first monitoring report under this program shall be submitted by July 30, 1995.

By January 30th of each year, beginning January 30, 1996, the Discharger shall submit an annual report to the Board. The report shall contain 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 the Waste Discharge Requirements.

Groundwater Monitoring

The Discharger shall establish, subject to Executive Officer's approval, suitable and accessible groundwater monitoring wells to assess the background and the impacted groundwater quality. Accordingly, within 90 days following adoption of this Order, the Discharger shall submit a report evaluating the existing wells that are proposed to be used for monitoring and evaluating the impacts from discharges to groundwater. Should the Discharger determine (pending investigation of the boring logs, construction records, well locations, and hydrogeology of the area) that the existing wells located onsite are adequate for monitoring and evaluating the impacts to groundwater quality, then the report must so state. If the report indicates that the existing wells are not adequate, or that additional wells must be added to monitor and evaluate impacts to groundwater quality from the discharge, then the report must contain a workplan for the Executive Officer's approval prior to implementation. The report must be signed by a California Registered Geologist, California Certified Engineering Geologist,

or California Registered Civil Engineer with appropriate experience.

The groundwater monitoring program shall consist of the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Minimum Frequency</u>
Ammonia - N	mg/L	grab	quarterly
Nitrate - N	mg/L	grab	quarterly
Nitrite - N	mg/L	grab	quarterly
Chloride	mg/L	grab	quarterly
Fluoride	mg/L	grab	quarterly
Surfactants (anionic, cationic, non-ionic)	mg/L	grab	quarterly
Total phosphate	mg/L	grab	quarterly
pH	pH Units	grab	quarterly
Total dissolved solids	mg/L	grab	quarterly
Sulfate	mg/L	grab	quarterly
Total coliform	count/100mL	grab	quarterly
Fecal coliform	count/100mL	grab	quarterly
Fecal strep	count/100mL	grab	quarterly
Calc. fecal/strep ratio	-----	----	quarterly
Priority pollutants scan*	mg/L	grab	one time analysis*

* See page T-6. Results are to be submitted with the first annual report, due January 30, 1996.

Upon obtaining Executive Officer's approval of an adequate groundwater monitoring network, the Discharger shall complete a one-year baseline sampling and testing program. This groundwater monitoring schedule is subject to revision, after completion of the first year of baseline water quality monitoring, to be completed from January 1996 through December 1996. Based upon review of the first year of quarterly sampling results, the Discharger may propose a reduced groundwater sampling and testing program, based upon existing conditions. The rationale used to determine the request for a reduced groundwater monitoring program must be stated, and is subject to the Executive Officer's approval.

The groundwater monitoring and reporting program shall contain the following information:

- a. Well identification, date and time of sampling, water temperature, depth to groundwater (from a standard reference point); and

- b. Sampler identification, laboratory identification, date of sampling.
- c. Quarterly observations of groundwater levels, recorded to 0.01 feet mean sea level.

General Provisions for Sampling and Analysis

All chemical, bacteriological, and toxicity analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services Environmental Laboratory Accreditation Program, or approved by the Executive Officer. (Laboratory analyses must follow methods approved by the United States Environmental Protection Agency (EPA), and the laboratory must meet EPA Quality Assurance/Quality Control criteria. All analytical data must be presented on the enclosed Laboratory Report Forms, commencing January 30, 1996.

General Provisions for Reporting

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.

If no wastes were discharged during the quarter, the report shall so state.

The quarterly reports shall contain the following information:

- a. Average and maximum daily waste flow for each month of the quarter.
- b. Estimated population served during each month of the reporting period.
- c. A statement relative to compliance with discharge specifications during the reporting period.
- d. Results of at least weekly observations in the disposal area for any overflow or surfacing of wastes, other visible effects of the waste discharge, and odor effects. Observations shall be made on different days of the week, including at least one Saturday and one Sunday in each month. The day and date (i.e., Sunday, September 10) of the observations shall be reported along with any abnormalities observed.

Monitoring reports shall be signed by:

- a. In the case of a 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 partnership, by the proprietor;
- d. In the case of a municipal, State or other public facility, by either a principal Executive Officer, ranking elected official, or other duly authorized employee.

Each report shall contain the following declaration:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment [California Water Code Sections 13263, 13267, and 13268]. Executed on the _____ day of _____ at _____

Signature

Title"

Wastes Hauling Reporting

In the event that septage is hauled to a legal disposal site, the name and address of the hauler of the septage shall be reported, along with types and quantities hauled during the reporting period and the location of final point of disposal. If no wastes are hauled during the reporting period, a statement to that effect shall be submitted and shall include a statement relative to disposal of septage during the reporting period.

Operation and Maintenance Report

The Discharger shall file a technical report with this Board, not later than 30 days after receipt of these Waste Discharge Requirements, relative to the operation and maintenance program for this facility. The information to be contained in the 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.

These records and reports are public documents and shall be made available for inspection during normal business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region.

Robert P. Ghirelli

ROBERT P. GHIRELLI, D. Env.
Executive Officer

Date: May 15, 1995

/DAB

PRIORITY POLLUTANTS

Metals

Antimony
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Mercury
Nickel
Selenium
Silver
Thallium
Zinc

Miscellaneous

Cyanide
Asbestos (only if specifically required)

Pesticides

Aldrin
Chlordane
Dieldrin
4,4'-DDT
4,4'-DDE
4,4'-DDD
Alpha endosulfan
Beta endosulfan
Endosulfan sulfate
Endrin
Endrin aldehyde
Heptachlor
Heptachlor epoxide
Alpha BHC
Beta BHC
Gamma BHC
Delta BHC
Toxaphene
PCB 1016
PCB 1221
PCB 1232
PCB 1242
PCB 1248
PCB 1254
PCB 1260

Base/Neutral Extractibles

Acenaphthene
Benzidine
1,2,4-Trichlorobenzene
Hexachlorobenzene
Hexachloroethane
Bis (2-Chloroethyl) ether
2-Chloronaphthalene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
3,3'-Dichlorobenzidine
2,4-Dinitrotoluene
2,6-Dinitrotoluene
1,2-Diphenylhydrazine
Fluoranthene
4-Chlorophenyl phenyl ether
4-Bromophenyl phenyl ether
Bis (2-Chloroisopropyl) ether
Bis (2-Chloroethoxy) methane
Hexachlorobutadiene
Hexachlorocyclopentadiene
Isophorone
Naphthalene
Nitrobenzene
N-Nitrosodimethylamine
N-Nitrosodi-N-propylamine
M-Nitrosodiphenylamine
Bis (2-Ethylhexyl) phthalate
Butyl benzyl phthalate
Di-N-Butyl phthalate
Di-N-Octyl phthalate
Diethyl phthalate
Dimethyl phthalate
Benzo (A) anthracene
Benzo (A) pyrene
Benzo (B) fluoranthene
Benzo (K) fluoranthene
Chrysene
Acenaphthylene
Anthracene
1,12-Benzoperylene
Fluorene
Phenanthrene
1,2,5,6-Dibenzanthracene
Indeno (1,2,3-CD) pyrene
Pyrene
TCDD

Acid Extractibles

2,4,6-Trichlorophenol
P-Chloro-M-cresol
2-Chlorophenol
2,4-Dichlorophenol
2,4-Dimethylphenol
2-Nitrophenol
4-Nitrophenol
2,4-Dinitrophenol
4,6-Dinitro-O-cresol
Pentachlorophenol
Phenol

Volatile Organics

Acrolein
Acrylonitrile
Benzene
Carbon tetrachloride
Chlorobenzene
1,2-Dichloroethane
1,1,1-Trichloroethane
1,1-Dichloroethane
1,1,2-Trichloroethane
1,1,2,2-Tetrachloroethane
Chloroethane
Chloroform
1,1-Dichloroethylene
1,2-Transdichloroethylene
1,2-Dichloropropane
1,2-Dichloropropylene
Ethylbenzene
Methylene chloride
Methyl chloride
Methyl bromide
Bromoform
Bromodichloromethane
Dibromochloromethane
Tetrachloroethylene
Toluene
Trichloroethylene
Vinyl chloride
2-Chloroethyl vinyl ether

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

101 CENTRE PLAZA DRIVE
MONTEREY PARK, CA 91754-2156
(213) 266-7500
FAX: (213) 266-7600



May 23, 1995

Mr. John Stephens
Shell Oil Company
P.O. Box 4218
Woodland Hills, CA 91365

Original

**WASTE DISCHARGE REQUIREMENTS FOR SHELL OIL COMPANY SERVICE STATION
NO. 89354, 3820 SIERRA HIGHWAY, ACTON, CALIFORNIA (File No. 95-027,
CI NO. 7527)**

Our letter, dated May 17, 1995, transmitted a copy of adopted Waste Discharge Requirements for the discharge of domestic wastes from the above project. Due to an administrative error, Order No. 95-039 was assigned to your discharge by mistake. The correct Order number for your Waste Discharge Requirements is Order No. 95-057. Enclosed for your use and records is a corrected copy of your Waste Discharge Requirements. No other changes were made.

In order to save printing and postage costs, we request that persons and agencies on the mailing list change the Order number to reflect this correction. However, these are on file in our office, and a corrected copy will be sent upon request.

If you have any questions or need additional information, please call me at (213) 266-7546.

David A. Bacharowski
DAVID A. BACHAROWSKI
Environmental Specialist IV
Subsurface Regulation Unit

Enclosures

cc: See attached list

Mr. John Stephens
May 23, 1995
Page 2

cc: Archie Matthews, Division of Water Quality, State Water
Resources Control Board
Jorge Leon, Office of Chief Counsel, State Water Resources
Control Board
Department of Water Resources
Gary Yamamoto, Public Supply Branch, Department of Health
Services
Michael Kiado, Environmental Management Branch, Department of
Health Services
South Coast Air Quality Management District
Waste Management Division, Los Angeles County, Department of
Public Works
Jack Petralia, Environmental Health, Los Angeles County,
Department of Health Services
Los Angeles County, Department of Regional Planning