



California Regional Water Quality Control Board Los Angeles Region



APC

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CI 6249

April 30, 2002

Jake Amar
City of Glendale Public Works Engineering
633 East Broadway, Room 205
Glendale, CA 91206-4388

Certified Mail
Return Receipt Requested
No. 7001 2510 0003 6055 9402

Dear Mr. Amar:

WASTE DISCHARGE REQUIREMENTS – BRAND PARK INERT WASTE DISPOSAL SITE (FILE NO. 76-020)

Reference is made to our letter dated March 22, 2002, which transmitted a copy of revised tentative waste discharge requirements for the subject site.

Pursuant to Division 7 of the California Water Code, this Regional Board at a public meeting held on April 25, 2002, reviewed the tentative requirements, considered all factors in the case, and adopted Order No. R4-2002-0091 relative to the Brand Park Inert Waste Disposal Site. A copy of the order is attached.

All monitoring reports should be sent to the Regional Board, Attention: Information Technology Unit. Please reference all technical and monitoring reports for the Brand Park Inert Waste Disposal Site to our compliance file No. CI-6249.

If you have any questions, please call me at (213) 620-6119, or Mr. Enrique Casas at (213) 620-2299.

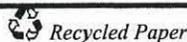
Rodney H. Nelson
Senior Engineering Geologist
Landfills Unit

cc: See mailing list

Enclosures (all)

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption
For a list of simple ways to reduce demand and cut your energy costs, see the tips at: <http://www.swrcb.ca.gov/news/echallenge.html>



Our mission is to preserve and enhance the quality of California's water resources for the benefit of present and future generations.

MAILING LIST
Brand Park Landfill
April 2002

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State Water Resources Control Board

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Office of Chief Counsel
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**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION**

ORDER NO. R4-2002-0091

**REVISED
WASTE DISCHARGE REQUIREMENTS**

**CITY OF GLENDALE
(Brand Park Landfill)
File No. 76-020**

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

1. The City of Glendale (City) owns and operates the Brand Park Landfill (Landfill) located at 1601 West Mountain Street, Glendale, CA 91202 (Figure 1, attached).
2. The Landfill, comprised of approximately 37 acres with ten acres permitted for landfilling, is in the lower portion of Pomeroy Canyon and has a capacity of approximately 851,000 tons (1,418,000 cubic yards) of waste.
3. The Landfill is an active inert waste disposal facility. Inert waste materials consist of uncontaminated soils, broken concrete, broken asphalt, and bricks with no materials containing more than 5 percent organic matter.
4. Current permitted fill operations at the Landfill became subject to waste discharge requirements (WDRs) under Regional Board Order No. 76-104 (adopted on June 28, 1976). Previously, between approximately 1964 and 1976 the site was operated as an unpermitted disposal area. The WDRs were updated by Regional Board Order No. 91-051 (adopted on April 22, 1991), which rescinded Order No. 76-104. The active WDRs for the Landfill contained in Order 91-051 are being updated to incorporate ongoing development of the facility.
5. Historically, wastes deposited at the Landfill between 1964 and 1991 included grass clippings, plant and tree trimmings, and street sweepings in addition to inert waste materials. Order No. 91-051 prohibited disposal of grass clippings, plant and tree trimmings, and street sweepings with organic matter in excess of 5%.
6. The wastes disposed of at the Landfill have been placed in the center of Pomeroy Canyon and they overlie Pomeroy Creek. The maximum permitted elevation of the Landfill is 1,250 feet above mean sea level.

7. Since January 1, 2000, the City has reported no disposition of waste at the Landfill. All materials brought to the Landfill during this time have been recycled for use on City road maintenance projects.
8. Drainage of the Landfill and tributary areas is provided by a subsurface, 72-inch, diameter reinforced concrete pipe constructed along the axis of the canyon prior to the disposition of the overlying wastes. The drain pipe is tributary to a Los Angeles County Flood Control District debris basin approximately 1,000 feet south of the Landfill. The tributary area to the drain pipe is approximately 225 acres, with an estimated clear flow of 785 cubic feet per second and a debris loaded flow of 1,570 cubic feet per second. The Landfill is graded to drain to the inlet of the 72-inch drain pipe and no special protective dikes, beams or levees exist at the Landfill.
9. On February 10 and 11, 1992, the Brand Park area received over five inches of rain. During the rainstorm, limbs, rocks and trees washed down Pomeroy Canyon and blocked the flow of water into the existing 72-inch drain pipe beneath the Landfill. Blockage of the drain pipe resulted in creation of a large pond of standing water behind the waste prism.
10. On March 30, 1992, in correspondence to the Regional Board, the City indicated that repairs to the area of ponded water that developed during the rainstorm of February 10 and 11, 1992, would be implemented, and the filling and sealing of the existing 72-inch drain pipe would be expedited. To date the drain pipe has not been sealed.
11. The Landfill does not have any engineered protective features such as liner systems, leachate collection and removal systems, or gas collection and control systems.
12. A groundwater monitoring network consisting of four groundwater monitoring wells has been installed at the Landfill (Figure 2, attached). The groundwater monitoring network was constructed for the Solid Waste Assessment Test (SWAT) program between August 17 and October 7, 1987. Well MW-1 is located high in Pomeroy Canyon, upgradient of the Landfill. Water in this monitoring well represents background water quality. Monitoring well MW-2 penetrates both the Landfill and bedrock. Monitoring wells MW-3 and MW-4 are downgradient of the Landfill and are located at the mouth of the canyon. Monitoring well MW-3 penetrates bedrock while MW-4, being a shallow well, only penetrates alluvium.
13. The Landfill is located within the Bull Canyon Subarea of the San Fernando Hydrologic Area of the Los Angeles – San Gabriel Hydrologic Unit. The Landfill overlies non-water-bearing granitic and metamorphic basement rocks with a thin covering of residual soil and Recent alluvium. Groundwater, when present, is limited to canyon alluvium and fractured and weathered pockets in bedrock and could move slowly down-canyon towards the water bearing strata of the Los Angeles River watershed. The existing beneficial uses

**CITY OF GLENDALE
BRAND PARK LANDFILL
ORDER NO. R4-2002-0091**

FILE NO. 76-020

of the Bull Canyon Subarea are groundwater recharge, water contact and non-contact recreation, warm freshwater habitat, wildlife habitat, and wetland habitat, and the potential beneficial uses are municipal and domestic supply, and industrial service supply.

14. Landslides known to exist at or in the vicinity of the Landfill have been mapped (Burbank Map of the California Division of Mines and Geology Seismic Hazards Mapping Program). The Landfill is not located within a liquefaction hazard zone.
15. Surface drainage from the Landfill is subject to State Board Order No. 97-03-DWQ, National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000001, "*Waste Discharge Requirements for Discharges of Storm Water Associated with Industrial Activities Excluding Construction Activities*".
16. The City has implemented a groundwater monitoring program that has regularly evaluated groundwater quality at the Landfill since 1987. Groundwater monitoring conducted at the Landfill indicates no release of pollutants.
17. One Landfill gas test well is located on the western slope of the Landfill. On September 25, 2002, the Los Angeles County Department of Health Services, Public Health Division (Local Enforcement Agency) issued a notice of violation (NOV) to the City for exceedances of landfill gas limits at the existing landfill gas monitoring probe. A requirement of the NOV is for the City to install a minimum of two multi-depth perimeter gas probes.
18. The Verdugo Fault is located down-canyon of the Landfill and may act as an impediment to the movement of groundwater into the water-bearing portion of the Los Angeles River watershed.
19. California Water Code (CWC) section 13273 requires the State Water Resources Control Board to develop a ranked list of all known landfills throughout the state on the basis of their threat to water quality. Section 13273 requires the operator of each solid waste disposal site on the ranked list to conduct and submit to the appropriate regional water quality control board the results of a SWAT report to determine if the site is leaking hazardous waste. The City submitted a SWAT report dated June 29, 1988, for the Landfill. Regional Board staff concluded (in a letter dated April 30, 1993) that SWAT results indicate that the Landfill is not leaking hazardous waste to groundwater.
20. The Regional Board adopted a revised Water Quality Control Plan for the Los Angeles Region on June 13, 1994. The Plan contains beneficial uses (municipal and domestic supply, agricultural supply, industrial process supply, industrial service supply, groundwater recharge, and freshwater replenishment) and water quality objectives for groundwater in the Region. The requirements in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.

21. Surrounding land uses of the Landfill area include Special Recreation Zone (SR) and Residential Open Space (ROS) (City of Glendale Municipal Code; Figure 3, attached).
22. Climatic conditions at the Landfill are semi-arid. Rainfall typically occurs between November and March with very little rainfall during the summer months. Average annual precipitation in the area is approximately 19.97 inches.
23. The revised WDRs set forth herein below govern the continuing disposal of inert waste at the existing Landfill. The Landfill constitutes an existing facility, and the issuance of these requirements is therefore exempt from the provisions of the California Environmental Quality Act (Public Resources Code section 21000 et seq.) in accordance with title 14, section 15301 of the California Code of Regulations (CCR).
24. In accordance with the Governor's Executive Order D-22-01, dated February 8, 2001, requiring any proposed activity be reviewed to determine whether such activity will cause additional energy usage, Regional Board staff have determined that implementation of these WDRs will not result in a significant change in energy usage.

The Regional Board has notified the City and interested agencies and persons of its intent to adopt revised WDRs 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 to these revised WDRs.

IT IS HEREBY ORDERED that the City shall comply with the following WDRs:

A. DISCHARGE SPECIFICATIONS

1. Wastes disposed of at the Landfill shall be limited to inert wastes (as defined in 27 CCR 20230) only, such as but not limited to:
 - a. Uncontaminated soil, rock, and gravel;
 - b. Broken concrete;
 - c. Bricks;
 - d. Glass and Ceramics;
 - e. Inert plastics; and
 - f. Broken asphalt paving fragments.
2. The City shall remove and relocate at a legal point of disposal any wastes that are discharged in violation of these requirements. For the purpose of these requirements, a legal point of disposal is defined as one for which WDRs or the

equivalent thereof have been established by the regional water quality control board or other agency exercising jurisdiction thereover.

3. A thorough and comprehensive inspection of the Landfill shall be conducted by the City after any physical disturbances such as earthquakes, storms, or fires.
4. The City shall undertake any appropriate and immediate measures to repair and correct any damage observed at the Landfill during site inspections.
5. Landfilled areas shall be adequately protected from any washout and erosion of wastes or cover materials. The surface drainage system shall be designed to adequately handle the rainfall from a 100-year, 24-hour storm event.
6. Within 45 days of the adoption of this Order the City shall submit for approval by the Executive Officer justification for why the Landfill should continue to be regulated under these WDRs rather than be closed. If in the future the City plans to use the Landfill strictly as a recycling facility, the City shall initiate closure of the facility in order to be protective of the environment.
7. Within 180 days of the adoption of this Order the City shall submit for approval by the Executive Officer of this Regional Board a technical proposal for sealing the existing 72-inch drain pipe that meets the approval of the California Department of Fish and Game, South Coast Air Quality Management District, and the Local Enforcement Agency.
8. Adequate facilities shall be provided to divert stormwater away from the facility and from areas where any potential pollutants are stored. Surface drainage from tributary areas and internal site drainage from surface and subsurface sources shall not contact or percolate through waste and shall either be contained onsite or be discharged in accordance with applicable stormwater regulations. If not previously completed, the City must develop and implement, within 90 days of the adoption of this Order, a Stormwater Pollution Prevention Plan (SWPPP) in accordance with Attachment 1, which is incorporated herein by reference and made part of this Order.
9. The migration of landfill gas from the Landfill shall be controlled, as necessary, to ensure that landfill gases and gas condensate are not discharged to surface waters or groundwater.

B. PROHIBITIONS

1. No hazardous wastes, designated wastes, or liquid wastes shall be deposited at the Landfill.

2. Non-hazardous solid wastes (decomposable organic refuse such as, but not necessarily limited to, ordinary household and commercial refuse, tin cans, metals, paper and paper products, plasterboard, cloth and clothing, wood and wood products, lawn clippings, sod, shrubbery, hair, hide, bones, dead animals, roofing paper, tar paper, unquenched ashes mixed with refuse, market refuse, garbage, etc.) shall not be deposited at the Landfill.
3. No materials of a toxic nature such as insecticides, poisons, or radioactive materials, shall be deposited at the Landfill.
4. No asbestos or asbestos products shall be deposited at the Landfill.
5. Wastes deposited at the Landfill shall be confined thereto, and shall not be permitted to enter drainage ditches or watercourses.
6. Erosion of deposited wastes by surface flow shall be prevented.
7. Neither the discharge nor any treatment of wastes shall cause pollution or nuisance.

C. MONITORING

1. The City shall implement the attached Monitoring and Reporting Program No. CI-6249 which is incorporated herein by reference and revisions thereto in order to detect, at the earliest opportunity, any unauthorized discharge of waste constituents from the Landfill, or any unreasonable impairment of beneficial uses caused by discharges of waste to the Landfill.
2. In accordance with title 27 CCR (27 CCR) section 20390, the following groundwater quality protection standards are established for this facility:

<u>Parameter</u>	<u>Units</u>	<u>Water Quality Protection Standard*</u>
Total dissolved solids	mg/L	700
Sulfate	mg/L	300
Chloride	mg/L	100
Boron	mg/L	1.5

* Based on the water quality objectives for the Bull Canyon Subarea of the San Fernando Hydrologic Area of the Los Angeles – San Gabriel Hydrologic Unit contained in the Basin Plan.

Water quality protection standards may be modified by this Regional Board based

on more recent or complete groundwater monitoring data, changes in background water quality, or for any other valid reason.

3. The concentration limit for each monitoring parameter and constituent of concern for each monitoring point shall be its background value as obtained during that reporting period.
4. Monitoring points and background monitoring points for detection monitoring shall be those listed below and in the attached Monitoring and Reporting Program No. CI-6249, and any revised monitoring and reporting program approved by the Regional Board's Executive Officer. Monitoring and background monitoring points are shown on Figure 2 (attached):
 - a. Background monitoring point: MW-1;
 - b. Points of compliance: MW-2, MW-3, and MW-4.

D. PROVISIONS

1. The City shall use the statistical procedures contained in 27 CCR section 20415(e), to determine if there is a statistically significant increase for any background monitoring parameter. Upon approval of the Executive Officer, alternative statistical procedures may be used.
2. In the event that a statistically significant increase is observed for any background monitoring parameter, the City shall establish an evaluation monitoring program in accordance with 27 CCR section 20415(e), unless such a program has already been submitted.
3. If evaluation monitoring determines that there is a statistically significant increase in the water quality protection standard (background indicator parameters), then the City shall institute a corrective action monitoring program in accordance with 27 CCR section 20415(e).
4. The City shall take any and all necessary measures to prevent unauthorized disposal of wastes at the Landfill by implementing a waste load-checking program. If not already done so, a waste load-checking program must be submitted to the Executive Officer for approval no later than ninety (90) days after these WDRs are adopted. The load-checking program shall include the following components unless an alternative monitoring approach is approved by the Executive Officer:
 - a. A computer tracking system at the entrance of the Landfill: The system shall determine and record whether the source of the material is residential or non-residential. If the material is non-residential, the source type, such as gas

station, industrial, commercial, etc., must be evaluated by the City's personnel. If it is determined that the material may contain significant chemical contamination, it will be necessary to refuse the waste load or hold the truck for further information or chemical analysis. The computer tracking system shall issue a weighmaster ticket (in English and Spanish). The truck driver must sign the weighmaster ticket certifying that the waste load does not contain contaminant levels that are hazardous or represent a significant threat to groundwater.

- b. Prior approval form: Prior to receiving any soil volume greater than 750 cubic yards from a single excavation project or from projects that start out small and eventually exceed the 750 cubic yards limit, a prior approval form must be filed by the hauler and Landfill personnel. The hauler must supply information of the soil material such as the source (residential or non-residential), quantity, chemical content, and delivery date. The hauler must sign the form acknowledging that "*...the hauler stipulates that to the best of his or her knowledge hazardous levels of contaminants do not exist in the waste.*" Landfill personnel must approve the acceptance of the material and record the approval number, which Landfill personnel approved acceptance of the material, general and detailed information regarding the location within the Landfill where the material will be placed, and the dates of placement.
 - c. Personnel training: Personnel at the gate and the dumping areas of the Landfill must be trained to ensure the City's compliance concerning acceptable and unacceptable materials as provided in this Order.
5. The City shall provide an updated annual survey, or similar, of all fill areas including boundaries, elevations, and keys to permanent monuments. The results shall be included in the annual report submitted to the Regional Board.
 6. The City shall maintain copies of this Order and the waste load-checking program at the Landfill so as to be available at all times to personnel operating the site.
 7. The City shall file with this Regional Board a report of any material change or proposed change in the character, location, boundaries or quantity of this waste discharge at least 120 days prior to the date of such proposed change.
 8. In the event of any change in Landfill operator or in control or ownership of Landfill land or waste disposal facilities owned or controlled by the City, the City shall:
 - a. Notify this Regional Board in writing at least 30 days in advance of such a change; and

**CITY OF GLENDALE
BRAND PARK LANDFILL
ORDER NO. R4-2002-0091**

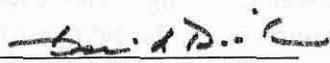
FILE NO. 76-020

- b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Regional Board, of the existence of this Order.
9. Ninety days prior to cessation of disposal operations at the Landfill, the City shall submit a technical report to the Regional Board describing the methods and controls to be used to assure protection of the quality of receiving waters during final closure operations and any proposed subsequent use of the land. Such methods and controls shall comply with the foregoing and the WDRs. The report shall be prepared under the direct supervision of a California-registered geologist or engineer, or a California-certified engineering geologist.
10. This Regional Board considers the City to have continuing responsibility for correcting any problems which may arise in the future at the Landfill whether the Landfill is then owned and operated by the City or not.
11. In accordance with CWC section 13263(g), these requirements shall not create a vested right to continue to discharge and are subject to rescission or modification. All discharges of waste into the waters of the State are privileges, not rights.
12. In accordance with CWC section 13267, the City shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted.
13. This Order includes the attached "*Standard Provisions Applicable to Waste Discharge Requirements*" (Attachment 2) which is incorporated herein by reference. If there is any conflict between provisions stated herein and the attached "*Standard Provisions Applicable to Waste Discharge Requirements*", those provisions attached herein will prevail.
14. In accordance with CWC section 13263, these requirements are subject to periodic review and revision by this Regional Board.
15. Except for any enforcement matters that may be pending, Order No. 91-051 adopted by the Regional Board on April 22, 1991, is hereby rescinded.

**CITY OF GLENDALE
BRAND PARK LANDFILL
ORDER NO. R4-2002-0091**

FILE NO. 76-020
BRAND PARK LANDFILL
ORDER NO. R4-2002-0091

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 April 25, 2002.



Dennis A. Dickerson
Executive Officer

FIGURE 1:
BRAND PARK LANDFILL LOCATION MAP

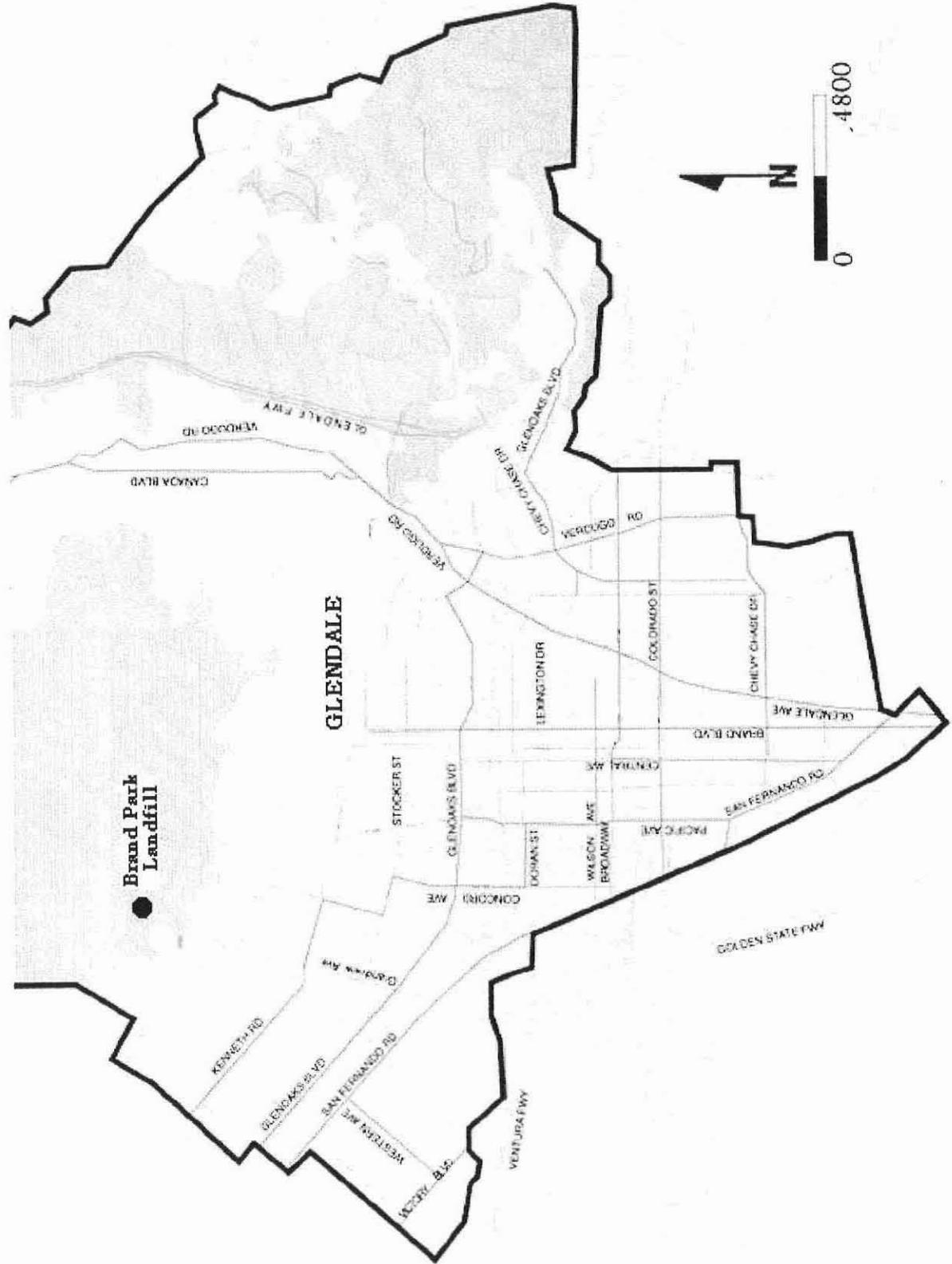


FIGURE 2:
BRAND PARK LANDFILL GROUNDWATER MONITORING NETWORK

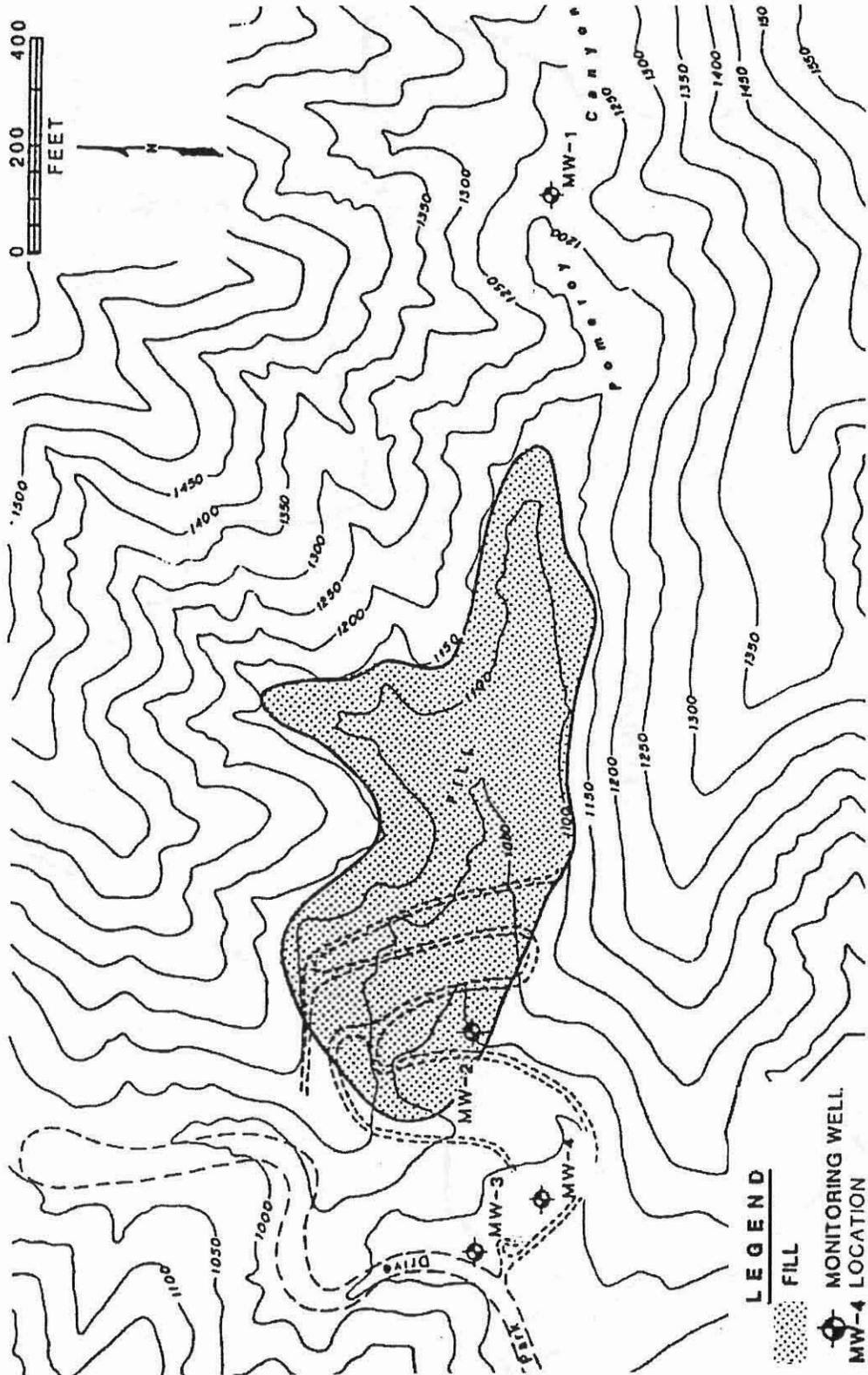
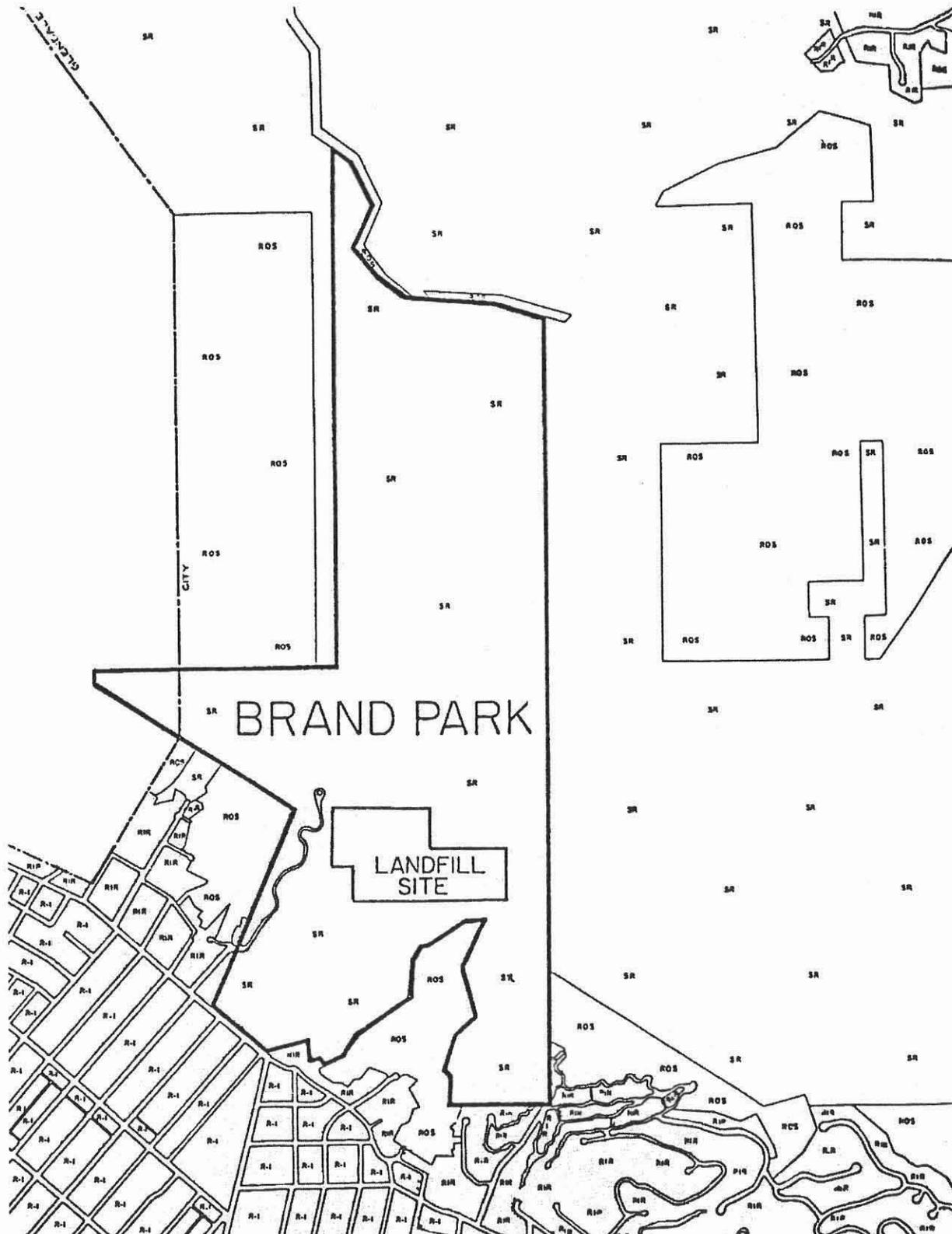


FIGURE 3:
BRAND PARK LANDFILL LAND USES



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

MONITORING AND REPORTING PROGRAM NO. 6249

**CITY OF GLENDALE
(Brand Park Landfill)
(Order No. R4-2002-0091)
(File No. 76-020)**

The City of Glendale (City) shall implement this monitoring and reporting program at the first quarter immediately following adoption of this Order. The first monitoring report under this program is due by October 15, 2002.

I. Reporting

A. All monitoring reports must be addressed to the Regional Board, Attention: Information Technology Unit. The reporting period and the compliance file number (CI-6249) must be clearly displayed on the title page to facilitate routing to the appropriate staff and file.

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

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

C. The monitoring reports shall include both groundwater monitoring data as required in Section II and the waste disposal information as required in Section III of this monitoring and reporting program. The results of the facility's load-checking program shall also be reported in each monitoring report. The annual report shall include a summary of the data obtained during the year.

D. A statement certifying that, under penalty of perjury, that to the best of the signer's knowledge the report is true, complete, and correct.

E. In the event that hazardous or other non-inert wastes are detected, this Regional Board shall be notified by telephone or facsimile within 24 hours and by writing within 7 days. The type, source, and final disposition of these wastes shall also be reported.

F. This Regional Board is developing a database management system that, when it becomes fully operational, may require the City to submit the monitoring reports electronically.

**CITY OF GLENDALE
BRAND PARK LANDFILL
MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

- G. If the City performs analyses for any parameter more frequently than required by this monitoring and reporting program, using approved analytical methods, the results shall be included in the monitoring report.
- H. The City may submit additional data to the Regional Board not required by this Program in order to simplify reporting to other agencies.
- I. The City shall retain records of all monitoring information, including all calibration and maintenance records regarding monitoring instrumentation, and copies of all data submitted to regulatory agencies, for a period of at least five years. This period may be extended by request of this Regional Board at any time, and shall be extended during the course of any unresolved litigation regarding all or any part of the entire disposal site.

II. Groundwater Monitoring

- A. All groundwater monitoring stations must be sampled semi-annually for the following monitoring parameters:

<u>Parameter</u>	<u>Units</u>
Chemical Oxygen Demand	mg/L
Total Organic Halides	mg/L
Total Organic Carbon	mg/L
Total Dissolved Solids	mg/L
Chloride	mg/L
Sulfate	mg/L
Boron	mg/L
nitrate-nitrogen	mg/L
ammonia-nitrogen	mg/L
Hydroxide Alkalinity (CaCO ₃)	mg/L
Total Hardness (as CaCO ₃)	mg/L
Volatile Organics	mg/L
Electrical Conductivity	µmhos/cm
pH	pH units

In addition, the first monitoring event for this monitoring and reporting program shall include determinations for all U.S. Environmental Protection Agency (USEPA) Appendix I and II constituents (Attachment 1).

- B. Semi-annual sampling shall be performed during the months of April and October. In the event sampling is not performed as required above because of unforeseen circumstances, substitute sampling shall be performed as soon as possible after these times, and the reason for the delay shall also be explained in the monitoring report.

**CITY OF GLENDALE
BRAND PARK LANDFILL
MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

- C. The groundwater monitoring program is to be continued even during periods when no wastes are deposited at the disposal site, and throughout the active life of the disposal site.
- D. 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 of this Regional Board. Laboratory analyses must follow methods approved by the USEPA, and the laboratory must meet USEPA Quality Assurance/Quality Control criteria.
- E. For any analyses performed for which no procedure is specified in the USEPA guidelines, or in this Order, the constituent or parameter analyzed, and the method or procedure used, must be specified in the report.
- F. Analytical data reported as "less than" shall be reported as less than a numeric value, or below the limit of detection, for that particular analytical method.
- G. All analytical samples obtained for this monitoring and reporting program shall be grab samples.
- H. The monitoring report must also include the following:
 - 1. Sampling protocol and analytical methods used;
 - 2. If any required samples were omitted during the reporting period, a statement to that effect shall be made and reasons given for any omission;
 - 3. Groundwater elevations measured to the nearest 0.01 foot relative to mean sea level. The velocity and direction of ground water flow under the disposal site shall be determined after each monitoring event and reported;
 - 4. For any monitored waste parameter which is listed as such by the USEPA or by the State of California, the City shall compare such data to the most stringent allowable concentrations under all existing federal and state regulations;
 - 5. An evaluation of the results of the testing signed by a California registered geologist or professional engineer.

III. Waste Disposal Reporting

- A. Waste disposal reports to the Regional Board shall include a map of the site indicating the areas that are currently being filled.

**CITY OF GLENDALE
BRAND PARK LANDFILL
MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

- B. A report containing the following information shall be filed with this Regional Board for each calendar quarter:
1. A tabular list of the estimated average monthly quantities (in cubic yards) and types of materials deposited each month (including native geological materials generated by mining activities).
 2. The areas of the site where wastes were deposited. If a new area has been started, submit another map of the site and indicate the new areas being filled and any recently completed areas.
 3. An estimate of the remaining life of the site in years and months.
 4. A certification that all wastes deposited were in compliance with the Regional Board's requirements and that no wastes have been deposited outside of the boundaries of the site as specified in the Regional Board's requirements.
 5. If purged groundwater from the monitoring wells is used at the site, the total volume, and areas of usage shall also be reported.

Ordered by: _____
Dennis A. Dickerson
Executive Officer

Date: April 25, 2002

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

**ATTACHMENT 1:
 (USEPA Appendix I and II Constituents)**

CONSTITUENT	COMMENT
Acetone	Appendix I
Acrylonitrile	Appendix I
Benzene	Appendix I
Bromochloromethane	Appendix I
Bromodichloromethane	Appendix I
Bromoform	Appendix I
Carbon disulfide	Appendix I
Carbon tetrachloride	Appendix I
Chlorobenzene	Appendix I
Chloroethane	Appendix I
Chloroform	Appendix I
Dibromochloromethane	Appendix I
1,2-Dibromo-3-Chloropropane	Appendix I
1,2-Dibromoethane	Appendix I
o-Dichlorobenzene	Appendix I
p-Dichlorobenzene	Appendix I
trans-1,4-Dichloro-2-butene	Appendix I
1,1-Dichloroethane	Appendix I
1,2-Dichloroethane	Appendix I
1,1-Dichloroethylene	Appendix I
cis-1,2 Dichloroethylene	Appendix I
trans-1,2 Dichloroethylene	Appendix I
1,2-Dichloropropane	Appendix I
cis-1,3-Dichloropropene	Appendix I
trans-1,3-Dichloropropene	Appendix I
Ethyl benzene	Appendix I

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

2-Hexanone	Appendix I
Methyl bromide	Appendix I
Methyl chloride	Appendix I
Methyl Ethyl Ketone	Appendix I
Methyl iodide	Appendix I
4-Methyl-2-pentanone	Appendix I
Methylene bromide	Appendix I
Methylene chloride	Appendix I
Styrene	Appendix I
1,1,1,2-Tetrachloroethane	Appendix I
1,1,2,2-Tetrachloroethane	Appendix I
Tetrachloroethylene	Appendix I
Toluene	Appendix I
1,1,1-Trichloroethane	Appendix I
1,1,2-Trichloroethane	Appendix I
Trichloroethylene	Appendix I
Trichlorofluoromethane (CFC 11)	Appendix I
1,2,3-Trichloropropane	Appendix I
Vinyl acetate	Appendix I
Vinyl Chloride	Appendix I
Xylenes, m- & o+p	Appendix I
Antimony	Appendix I and Appendix II Constituent
Arsenic	Appendix I and Appendix II Constituent
Barium	Appendix I and Appendix II Constituent
Beryllium	Appendix I and Appendix II Constituent
Cadmium	Appendix I and Appendix II Constituent
Chromium	Appendix I and Appendix II Constituent
Cobalt	Appendix I and Appendix II Constituent
Copper	Appendix I and Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

Lead	Appendix I and Appendix II Constituent
Mercury	Appendix II Constituent
Nickel	Appendix I and Appendix II Constituent
Selenium	Appendix I and Appendix II Constituent
Silver	Appendix I and Appendix II Constituent
Thallium	Appendix I and Appendix II Constituent
Tin	Appendix II Constituent
Vanadium	Appendix I and Appendix II Constituent
Zinc	Appendix I and Appendix II Constituent
Cyanide	Appendix II Constituent
Sulfide	Appendix II Constituent
Acetone	Appendix I and Appendix II Constituent
Acetonitrile	Appendix II Constituent
Acrolein	Appendix II Constituent
Acrylonitrile	Appendix I and Appendix II Constituent
Allyl chloride	Appendix II Constituent
Benzene	Appendix I and Appendix II Constituent
Bromochloromethane	Appendix I and Appendix II Constituent
Bromodichloromethane	Appendix I and Appendix II Constituent
Bromoform	Appendix I and Appendix II Constituent
Carbon disulfide	Appendix I and Appendix II Constituent
Carbon tetrachloride	Appendix I and Appendix II Constituent
Chlorobenzene	Appendix I and Appendix II Constituent
Chloroethane	Appendix I and Appendix II Constituent
Chloroform	Appendix I and Appendix II Constituent
Chloroprene	Appendix II Constituent
Dibromochloromethane	Appendix I and Appendix II Constituent
1,2-Dibromo-3-Chloropropane	Appendix I and Appendix II Constituent
1,2-Dibromoethane	Appendix I and Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

o-Dichlorobenzene	Appendix I and Appendix II Constituent
m-Dichlorobenzene	Appendix II Constituent
p-Dichlorobenzene	Appendix I and Appendix II Constituent
trans-1,4-Dichloro-2-butene	Appendix I and Appendix II Constituent
Dichlorodifluoromethane (CFC12)	Appendix II Constituent
1,1-Dichloroethane	Appendix I and Appendix II Constituent
1,2-Dichloroethane	Appendix I and Appendix II Constituent
1,1-Dichloroethylene	Appendix I and Appendix II Constituent
cis-1,2-Dichloroethylene	Appendix I and Appendix II Constituent
trans-1,2-Dichloroethylene	Appendix I and Appendix II Constituent
1,2-Dichloropropane	Appendix I and Appendix II Constituent
1,3-Dichloropropane	Appendix II Constituent
2,2-Dichloropropane	Appendix II Constituent
1,1-Dichloropropene	Appendix II Constituent
cis-1,3-Dichloropropene	Appendix I and Appendix II Constituent
trans-1,3-Dichloropropene	Appendix I and Appendix II Constituent
Ethyl benzene	Appendix I and Appendix II Constituent
Ethyl methacrylate	Appendix II Constituent
2-Hexanone	Appendix I and Appendix II Constituent
Isobutyl alcohol	Appendix II Constituent
Methacrylonitrile	Appendix II Constituent
Methyl bromide	Appendix I and Appendix II Constituent
Methyl chloride	Appendix I and Appendix II Constituent
Methyl Ethyl Ketone	Appendix I and Appendix II Constituent
Methyl iodide	Appendix I and Appendix II Constituent
Methyl methacrylate	Appendix II Constituent
4-Methyl-2-pentanone	Appendix I and Appendix II Constituent
Methylene bromide	Appendix I and Appendix II Constituent
Methylene chloride	Appendix I and Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

Propionitrile	Appendix II Constituent
Styrene	Appendix I and Appendix II Constituent
1,1,1,2-Tetrachloroethane	Appendix I and Appendix II Constituent
1,1,2,2-Tetrachloroethane	Appendix I and Appendix II Constituent
Tetrachloroethylene	Appendix I and Appendix II Constituent
Toluene	Appendix I and Appendix II Constituent
1,1,1,-Trichloroethane	Appendix I and Appendix II Constituent
1,1,2,-Trichloroethane	Appendix I and Appendix II Constituent
Trichloroethylene	Appendix I and Appendix II Constituent
Trichlorofluoromethane (CFC11)	Appendix I and Appendix II Constituent
1,2,3-Trichloropropane	Appendix I and Appendix II Constituent
Vinyl acetate	Appendix I and Appendix II Constituent
Vinyl Chloride	Appendix I and Appendix II Constituent
Xylenes, m- & o+p	Appendix I and Appendix II Constituent
Acenaphthene	Appendix II Constituent
Acenaphthylene	Appendix II Constituent
Acetophenone	Appendix II Constituent
2-Acetylaminoflourene	Appendix II Constituent
4-Aminobiphenyl	Appendix II Constituent
Anthracene	Appendix II Constituent
Benzo(a)anthracene	Appendix II Constituent
Benzo(b)fluoranthene	Appendix II Constituent
Benzo(k)fluoranthene	Appendix II Constituent
Benzo(ghi)perylene	Appendix II Constituent
Benzo(a)pyrene	Appendix II Constituent
Benzyl alcohol	Appendix II Constituent
Bis(2-chloroethoxy) methane	Appendix II Constituent
Bis(2-chloroethyl) ether	Appendix II Constituent
Bis(2-chloro-1-methylethyl) ether	Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

Bis(2-ethylhexyl) phthalate	Appendix II Constituent
4-Bromophenyl phenyl ether	Appendix II Constituent
Butyl benzyl phthalate	Appendix II Constituent
p-Chloroaniline	Appendix II Constituent
Chlorobenzilate	Appendix II Constituent
p-Chloro-m-cresol	Appendix II Constituent
2-Chloronaphthalene	Appendix II Constituent
2-Chlorophenol	Appendix II Constituent
4-Chlorophenyl phenyl ether	Appendix II Constituent
Chrysene	Appendix II Constituent
M+p Cresol	Appendix II Constituent
o- Cresol	Appendix II Constituent
Diallate	Appendix II Constituent
Dibenz(a,h)anthracene	Appendix II Constituent
Dibenzofuran	Appendix II Constituent
Di-n-butyl phthalate	Appendix II Constituent
3,3'-Dichlorobenzidine	Appendix II Constituent
2,4-Dichlorophenol	Appendix II Constituent
2,6- Dichlorophenol	Appendix II Constituent
Diethyl phthalate	Appendix II Constituent
p-(Dimethylamino)azobenzene	Appendix II Constituent
7,12-Dimethylbenz(a)anthracene	Appendix II Constituent
3,3'-Dimethylbenzidine	Appendix II Constituent
2,4-Dimethylphenol	Appendix II Constituent
Dimethyl phthalate	Appendix II Constituent
m-Dinitrobenzene	Appendix II Constituent
4,6-Dinitro-o-cresol	Appendix II Constituent
2,4-Dinitrophenol	Appendix II Constituent
2,4-Dinitrotoluene	Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

2,6-Dinitrotoluene	Appendix II Constituent
Di-n-octyl phthalate	Appendix II Constituent
Diphenylamine	Appendix II Constituent
Ethyl methanesulfonate	Appendix II Constituent
Famphur	Appendix II Constituent
Fluoranthene	Appendix II Constituent
Fluorene	Appendix II Constituent
Hexachlorobenzene	Appendix II Constituent
Hexachlorobutadiene	Appendix II Constituent
Hexachlorocyclopentadiene	Appendix II Constituent
Hexachloroethane	Appendix II Constituent
Hexachloropropene	Appendix II Constituent
Indeno(1,2,3-c,d)pyrene	Appendix II Constituent
Isodrin	Appendix II Constituent
Isophorone	Appendix II Constituent
Isosafrole	Appendix II Constituent
Kepone	Appendix II Constituent
Methapyrilene	Appendix II Constituent
3-Methylcholanthrene	Appendix II Constituent
Methyl methanesulfonate	Appendix II Constituent
2-Methylnaphthalene	Appendix II Constituent
Naphthalene	Appendix II Constituent
1,4-Naphthoquinone	Appendix II Constituent
1-Naphthylamine	Appendix II Constituent
2-Naphthylamine	Appendix II Constituent
o-Nitroaniline	Appendix II Constituent
m-Nitroaniline	Appendix II Constituent
p- Nitroaniline	Appendix II Constituent
Nitrobenzene	Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

2-Nitrophenol	Appendix II Constituent
4-Nitrophenol	Appendix II Constituent
N-Nitrosodi-n-butylamine	Appendix II Constituent
N-Nitrosodiethylamine	Appendix II Constituent
N-Nitrosodimethylamine	Appendix II Constituent
N-Nitrosodiphenylamine	Appendix II Constituent
N-Nitrosodipropylamine	Appendix II Constituent
N-Nitrosomethylethylamine	Appendix II Constituent
N-Nitrosopiperidine	Appendix II Constituent
N-Nitrosopyrrolidine	Appendix II Constituent
5-Nitro-o-toluidine	Appendix II Constituent
Pentachlorobenzene	Appendix II Constituent
Pentachloronitrobenzene	Appendix II Constituent
Pentachlorophenol	Appendix II Constituent
Phenacetin	Appendix II Constituent
Phenanthrene	Appendix II Constituent
Phenol	Appendix II Constituent
p-Phenylenediamine	Appendix II Constituent
Pronamide	Appendix II Constituent
Pyrene	Appendix II Constituent
Safrole	Appendix II Constituent
1,2,4,5-Tetrachlorobenzene	Appendix II Constituent
2,3,4,6-Tetrachlorophenol	Appendix II Constituent
o-Toluidine	Appendix II Constituent
1,2,4-Trichlorobenzene	Appendix II Constituent
2,4,5-Trichlorophenol	Appendix II Constituent
2,4,6-Trichlorophenol	Appendix II Constituent
0,0,0-Triethyl Phosphorothioate	Appendix II Constituent
sym-Trinitrobenzene	Appendix II Constituent

**CITY OF GLENDALE
 BRAND PARK LANDFILL
 MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

Aldrin	Appendix II Constituent
alpha-BHC	Appendix II Constituent
beta-BHC	Appendix II Constituent
delta-BHC	Appendix II Constituent
gamma-BHC (Lindane)	Appendix II Constituent
Chlordane	Appendix II Constituent
4,4'-DDD	Appendix II Constituent
4,4'-DDE	Appendix II Constituent
4,4'-DDT	Appendix II Constituent
Dieldrin	Appendix II Constituent
Endosulfan I	Appendix II Constituent
Endosulfan II	Appendix II Constituent
Endosulfan sulfate	Appendix II Constituent
Endrin	Appendix II Constituent
Endrin aldehyde	Appendix II Constituent
Heptachlor	Appendix II Constituent
Heptachlor epoxide	Appendix II Constituent
Polychlorinated biphenyls:	
Aroclor 1016	Appendix II Constituent
Aroclor 1221	Appendix II Constituent
Aroclor 1232	Appendix II Constituent
Aroclor 1242	Appendix II Constituent
Aroclor 1248	Appendix II Constituent
Aroclor 1254	Appendix II Constituent
Aroclor 1260	Appendix II Constituent
Methoxychlor	Appendix II Constituent
Toxaphene	Appendix II Constituent
2,4-D	Appendix II Constituent
Dinoseb	Appendix II Constituent

**CITY OF GLENDALE
BRAND PARK LANDFILL
MONITORING AND REPORTING PROGRAM NO. 6249**

ORDER NO. R4-2002-0091

Silvex	Appendix II Constituent
2,4,5-Trichlorophenoxyacetic acid	Appendix II Constituent
Thionazin	Appendix II Constituent
Dimethoate	Appendix II Constituent
Disulfoton	Appendix II Constituent
Methyl parathion	Appendix II Constituent
Parathion	Appendix II Constituent
Phorate	Appendix II Constituent

**CITY OF GLENDALE
BRAND PARK LANDFILL
ORDER NO. R4-2002-0091**

FILE NO. 76-020

**ATTACHMENT 1:
STORM WATER MONITORING REQUIREMENTS**

1. Implementation Schedule

A storm water pollution prevention plan (SWPPP) shall be developed and implemented for each facility covered by this General Permit in accordance with the following schedule.

- a. Facility operators beginning industrial activities before October 1, 1992 shall develop and implement the SWPPP no later than October 1, 1992. Facility operators beginning industrial activities after October 1, 1992 shall develop and implement the SWPPP when industrial activities begin.
- b. Existing facility operators that submitted a Notice of Intent (NOI), pursuant to State Water Resources Control Board (State Water Board) Order No. 91-013-DWQ (as amended by Order No. 92-12) or San Francisco Bay Regional Water Quality Control Board (Regional Water Board) Order No. 92-11 (as amended by Order No. 92-116), shall continue to implement their existing SWPPP and shall implement any necessary revisions to their SWPPP in a timely manner, but in no case later than August 1, 1997.

2. Objectives

The SWPPP has two major objectives: (a) to identify and evaluate sources of pollutants associated with industrial activities that may affect the quality of storm water discharges and authorized non-storm water discharges from the facility; and (b) to identify and implement site-specific best management practices (BMPs) to reduce or prevent pollutants associated with industrial activities in storm water discharges and authorized non-storm water discharges. BMPs may include a variety of pollution prevention measures or other low-cost and pollution control measures. They are generally categorized as non-structural BMPs (activity schedules, prohibitions of practices, maintenance procedures, and other low-cost measures) and as structural BMPs (treatment measures, run-off controls, overhead coverage.) To achieve these objectives, facility operators should consider the five phase process for SWPPP development and implementation as shown in Table A.

The SWPPP requirements are designed to be sufficiently flexible to meet the needs of various facilities. SWPPP requirements that are not applicable to a facility should not be included in the SWPPP.

A facility's SWPPP is a written document that shall contain a compliance activity schedule, a description of industrial activities and pollutant sources, descriptions of BMPs, drawings, maps, and relevant copies or references of parts of other plans. The SWPPP shall be revised whenever appropriate and shall be readily available for review by facility employees or Regional Water Board inspectors.

3. Planning and Organization

a. *Pollution Prevention Team*

The SWPPP shall identify a specific individual or individuals and their positions within the facility organization as members of a storm water pollution prevention team responsible for developing the SWPPP, assisting the facility manager in SWPPP implementation and revision, and conducting all monitoring program activities required in Section B of this General Permit. The SWPPP shall clearly identify the General Permit related responsibilities, duties, and activities of each team member. For small facilities, storm water pollution prevention teams may consist of one individual where appropriate.

b. *Review Other Requirements and Existing Facility Plans*

The SWPPP may incorporate or reference the appropriate elements of other regulatory requirements. Facility operators should review all local, State, and Federal requirements that impact, complement, or are consistent with the requirements of this General Permit. Facility operators should identify any existing facility plans that contain storm water pollutant control measures or relate to the requirements of this General Permit. As examples, facility operators whose facilities are subject to Federal Spill Prevention Control and Countermeasures' requirements should already have instituted a plan to control spills of certain hazardous materials. Similarly, facility operators whose facilities are subject to air quality related permits and regulations may already have evaluated industrial activities that generate dust or particulates.

4. Site Map

The SWPPP shall include a site map. The site map shall be provided on an 8-½ x 11 inch or larger sheet and include notes, legends, and other data as appropriate to ensure that the site map is clear and understandable. If necessary, facility operators may provide the required information on multiple site maps.

The following information shall be included on the site map:

- a. The facility boundaries; the outline of all storm water drainage areas within the facility boundaries; portions of the drainage area impacted by run-on from surrounding areas; and direction of flow of each drainage area, on-site surface water bodies, and areas of soil erosion. The map shall also identify nearby water bodies (such as rivers, lakes, ponds) and municipal storm drain inlets where the facility's storm water discharges and authorized non-storm water discharges may be received.

- b. The location of the storm water collection and conveyance system, associated points of discharge, and direction of flow. Include any structural control measures that affect storm water discharges, authorized non-storm water discharges, and run-on. Examples of structural control measures are catch basins, berms, detention ponds, secondary containment, oil/water separators, diversion barriers, etc.
- c. An outline of all impervious areas of the facility, including paved areas, buildings, covered storage areas, or other roofed structures.
- d. Locations where materials are directly exposed to precipitation and the locations where significant spills or leaks identified in Section A.6.a.iv. below have occurred.
- e. Areas of industrial activity. This shall include the locations of all storage areas and storage tanks, shipping and receiving areas, fueling areas, vehicle and equipment storage/maintenance areas, material handling and processing areas, waste treatment and disposal areas, dust or particulate generating areas, cleaning and rinsing areas, and other areas of industrial activity which are potential pollutant sources.

5. List of Significant Materials

The SWPPP shall include a list of significant materials handled and stored at the site. For each material on the list, describe the locations where the material is being stored, received, shipped, and handled, as well as the typical quantities and frequency. Materials shall include raw materials, intermediate products, final or finished products, recycled materials, and waste or disposed materials.

6. Description of Potential Pollutant Sources

- a. The SWPPP shall include a narrative description of the facility's industrial activities, as identified in Section A.4.e above, associated potential pollutant sources, and potential pollutants that could be discharged in storm water discharges or authorized non-storm water discharges. At a minimum, the following items related to a facility's industrial activities shall be considered:

- i. Industrial Processes

- Describe each industrial process, the type, characteristics, and quantity of significant materials used in or resulting from the process, and a description of the manufacturing, cleaning, rinsing, recycling, disposal, or other activities related to the process. Where applicable, areas protected by containment structures and the corresponding containment capacity shall be described.

ii. Material Handling and Storage Areas

Describe each handling and storage area, type, characteristics, and quantity of significant materials handled or stored, description of the shipping, receiving, and loading procedures, and the spill or leak prevention and response procedures. Where applicable, areas protected by containment structures and the corresponding containment capacity shall be described.

iii. Dust and Particulate Generating Activities

Describe all industrial activities that generate dust or particulates that may be deposited within the facility's boundaries and identify their discharge locations; the characteristics of dust and particulate pollutants; the approximate quantity of dust and particulate pollutants that may be deposited within the facility boundaries; and a description of the primary areas of the facility where dust and particulate pollutants would settle.

iv. Significant Spills and Leaks

Describe materials that have spilled or leaked in significant quantities in storm water discharges or non-storm water discharges since April 17, 1994. Include toxic chemicals (listed in 40 CFR, Part 302) that have been discharged to storm water as reported on U.S. Environmental Protection Agency (U.S. EPA) Form R, and oil and hazardous substances in excess of reportable quantities (see 40 Code of Federal Regulations [CFR], Parts 110, 117, and 302).

The description shall include the type, characteristics, and approximate quantity of the material spilled or leaked, the cleanup or remedial actions that have occurred or are planned, the approximate remaining quantity of materials that may be exposed to storm water or non-storm water discharges, and the preventative measures taken to ensure spill or leaks do not reoccur. Such list shall be updated as appropriate during the term of this General Permit.

v. Non-Storm Water Discharges

Facility operators shall investigate the facility to identify all non-storm water discharges and their sources. As part of this investigation, all drains (inlets and outlets) shall be evaluated to identify whether they connect to the storm drain system.

All non-storm water discharges shall be described. This shall include the source, quantity, frequency, and characteristics of the non-storm water discharges and associated drainage area.

Non-storm water discharges that contain significant quantities of pollutants or that do not meet the conditions provided in Special Conditions D. are prohibited by this General Permit (Examples of prohibited non-storm water discharges are contact and non-contact cooling water, boiler blowdown, rinse water, wash water, etc.). Non-storm water discharges that meet the conditions provided in Special Condition D. are authorized by this General Permit. The SWPPP must include BMPs to prevent or reduce contact of non-storm water discharges with significant materials or equipment.

vi. Soil Erosion

Describe the facility locations where soil erosion may occur as a result of industrial activity, storm water discharges associated with industrial activity, or authorized non-storm water discharges.

- b. The SWPPP shall include a summary of all areas of industrial activities, potential pollutant sources, and potential pollutants. This information should be summarized similar to Table B. The last column of Table B, "Control Practices", should be completed in accordance with Section A.8. below.

7. Assessment of Potential Pollutant Sources

- a. The SWPPP shall include a narrative assessment of all industrial activities and potential pollutant sources as described in A.6. above to determine:
- i. Which areas of the facility are likely sources of pollutants in storm water discharges and authorized non-storm water discharges, and
 - ii. Which pollutants are likely to be present in storm water discharges and authorized non-storm water discharges. Facility operators shall consider and evaluate various factors when performing this assessment such as current storm water BMPs; quantities of significant materials handled, produced, stored, or disposed of; likelihood of exposure to storm water or authorized non-storm water discharges; history of spill or leaks; and run-on from outside sources.

- b. Facility operators shall summarize the areas of the facility that are likely sources of pollutants and the corresponding pollutants that are likely to be present in storm water discharges and authorized non-storm water discharges.

Facility operators are required to develop and implement additional BMPs as appropriate and necessary to prevent or reduce pollutants associated with each pollutant source. The BMPs will be narratively described in Section 8 below.

8. Storm Water Best Management Practices

The SWPPP shall include a narrative description of the storm water BMPs to be implemented at the facility for each potential pollutant and its source identified in the site assessment phase (Sections A.6. and 7. above). The BMPs shall be developed and implemented to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. Each pollutant and its source may require one or more BMPs. Some BMPs may be implemented for multiple pollutants and their sources, while other BMPs will be implemented for a very specific pollutant and its source.

The description of the BMPs shall identify the BMPs as (1) existing BMPs, (2) existing BMPs to be revised and implemented, or (3) new BMPs to be implemented. The description shall also include a discussion on the effectiveness of each BMP to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. The SWPPP shall provide a summary of all BMPs implemented for each pollutant source. This information should be summarized similar to Table B.

Facility operators shall consider the following BMPs for implementation at the facility:

a. Non-Structural BMPs

Non-structural BMPs generally consist of processes, prohibitions, procedures, schedule of activities, etc., that prevent pollutants associated with industrial activity from contacting with storm water discharges and authorized non-storm water discharges. They are considered low technology, cost-effective measures. Facility operators should consider all possible non-structural BMPs options before considering additional structural BMPs (see Section A.8.b. below). Below is a list of non-structural BMPs that should be considered:

i. Good Housekeeping

Good housekeeping generally consist of practical procedures to maintain a clean and orderly facility.

ii. Preventive Maintenance

Preventive maintenance includes the regular inspection and maintenance of structural storm water controls (catch basins, oil/water separators, etc.) as well as other facility equipment and systems.

iii. Spill Response

This includes spill clean-up procedures and necessary clean-up equipment based upon the quantities and locations of significant materials that may spill or leak.

iv. Material Handling and Storage

This includes all procedures to minimize the potential for spills and leaks and to minimize exposure of significant materials to storm water and authorized non-storm water discharges.

v. Employee Training

This includes training of personnel who are responsible for (1) implementing activities identified in the SWPPP, (2) conducting inspections, sampling, and visual observations, and (3) managing storm water. Training should address topics such as spill response, good housekeeping, and material handling procedures, and actions necessary to implement all BMPs identified in the SWPPP. The SWPPP shall identify periodic dates for such training. Records shall be maintained of all training sessions held.

vi. Waste Handling/Recycling

This includes the procedures or processes to handle, store, or dispose of waste materials or recyclable materials.

vii. Recordkeeping and Internal Reporting

This includes the procedures to ensure that all records of inspections, spills, maintenance activities, corrective actions, visual observations, etc., are developed, retained, and provided, as necessary, to the appropriate facility personnel.

viii. Erosion Control and Site Stabilization

This includes a description of all sediment and erosion control activities. This may include the planting and maintenance of vegetation, diversion of run-on and runoff, placement of sandbags, silt screens, or other sediment control devices, etc.

ix. Inspections

This includes, in addition to the preventative maintenance inspections identified above, an inspection schedule of all potential pollutant sources. Tracking and follow-up procedures shall be described to ensure adequate corrective actions are taken and SWPPPs are made.

x. Quality Assurance

This includes the procedures to ensure that all elements of the SWPPP and Monitoring Program are adequately conducted.

b. Structural BMPs

Where non-structural BMPs as identified in Section A.8.a. above are not effective, structural BMPs shall be considered. Structural BMPs generally consist of structural devices that reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. Below is a list of structural BMPs that should be considered:

i. Overhead Coverage

This includes structures that provide horizontal coverage of materials, chemicals, and pollutant sources from contact with storm water and authorized non-storm water discharges.

ii. Retention Ponds

This includes basins, ponds, surface impoundments, bermed areas, etc., that do not allow storm water to discharge from the facility.

iii. Control Devices

This includes berms or other devices that channel or route run-on and runoff away from pollutant sources.

iv. Secondary Containment Structures

This generally includes containment structures around storage tanks and other areas for the purpose of collecting any leaks or spills.

v. Treatment

This includes inlet controls, infiltration devices, oil/water separators, detention ponds, vegetative swales, etc., that reduce the pollutants in storm water discharges and authorized non-storm water discharges.

9. Annual Comprehensive Site Compliance Evaluation

The facility operator shall conduct one comprehensive site compliance evaluation (evaluation) in each reporting period (July 1-June 30). Evaluations shall be conducted within 8-16 months of each other. The SWPPP shall be revised, as appropriate, and the revisions implemented within 90 days of the evaluation. Evaluations shall include the following:

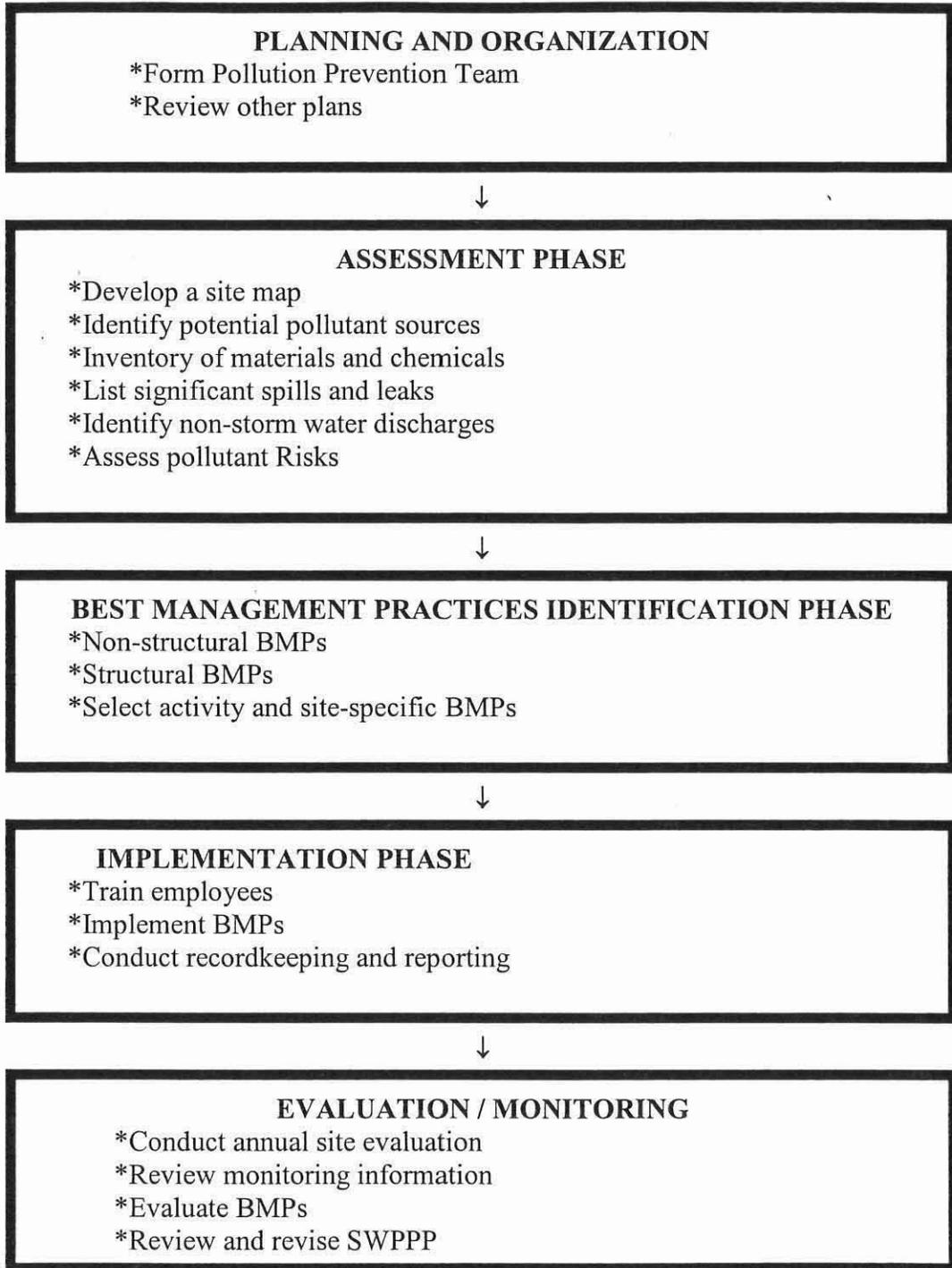
- a. A review of all visual observation records, inspection records, and sampling and analysis results.
- b. A visual inspection of all potential pollutant sources for evidence of, or the potential for, pollutants entering the drainage system.
- c. A review and evaluation of all BMPs (both structural and non-structural) to determine whether the BMPs are adequate, properly implemented and maintained, or whether additional BMPs are needed. A visual inspection of equipment needed to implement the SWPPP, such as spill response equipment, shall be included.
- d. An evaluation report that includes, (i) identification of personnel performing the evaluation, (ii) the date(s) of the evaluation, (iii) necessary SWPPP revisions, (iv) schedule, as required in Section A.10.e, for implementing SWPPP revisions, (v) any incidents of non-compliance and the corrective actions taken, and (vi) a certification that the facility operator is in compliance with this General Permit. If the above certification cannot be provided, explain in the evaluation report why the facility operator is not in compliance with this General Permit. The evaluation report shall be submitted as part of the annual report, retained for at least five years, and signed and certified in accordance with Standard Provisions 9. and 10. of Section C. of this General Permit.

10. SWPPP General Requirements

- a. The SWPPP shall be retained on site and made available upon request of a representative of the Regional Water Board and/or local storm water management agency (local agency) which receives the storm water discharges.
- b. The Regional Water Board and/or local agency may notify the facility operator when the SWPPP does not meet one or more of the minimum requirements of this Section. As requested by the Regional Water Board and/or local agency, the facility operator shall submit an SWPPP revision and implementation schedule that meets the minimum requirements of this section to the Regional Water Board and/or local agency that requested the SWPPP revisions. Within 14 days after implementing the required SWPPP revisions, the facility operator shall provide written certification to the Regional Water Board and/or local agency that the revisions have been implemented.
- c. The SWPPP shall be revised, as appropriate, and implemented prior to changes in industrial activities which (i) may significantly increase the quantities of pollutants in storm water discharge, (ii) cause a new area of industrial activity at the facility to be exposed to storm water, or (iii) begin an industrial activity which would introduce a new pollutant source at the facility.
- c. Other than as provided in Provisions B.11, B.12, and E.2 of the General Permit, the SWPPP shall be revised and implemented in a timely manner, but in no case more than 90 days after a facility operator determines that the SWPPP is in violation of any requirement(s) of this General Permit.
- d. When any part of the SWPPP is infeasible to implement by the deadlines specified in Provision E.2 or Sections A.1, A.9, A.10.c, and A.10.d of this General Permit due to proposed significant structural changes, the facility operator shall submit a report to the Regional Water Board prior to the applicable deadline that (i) describes the portion of the SWPPP that is infeasible to implement by the deadline, (ii) provides justification for a time extension, (iii) provides a schedule for completing and implementing that portion of the SWPPP, and (iv) describes the BMPs that will be implemented in the interim period to reduce or prevent pollutants in storm water discharges and authorized non-storm water discharges. Such reports are subject to Regional Water Board approval and/or modifications. Facility operators shall provide written notification to the Regional Water Board within 14 days after the SWPPP revisions are implemented.

- f. The SWPPP shall be provided, upon request, to the Regional Water Board. The SWPPP is considered a report that shall be available to the public by the Regional Water Board under Section 308(b) of the Clean Water Act.

TABLE A
FIVE PHASES FOR DEVELOPING AND IMPLEMENTING INDUSTRIAL
STORM WATER POLLUTION PREVENTION PLANS



**TABLE B
EXAMPLE
ASSESSMENT OF POTENTIAL POLLUTION SOURCES AND
CORRESPONDING BEST MANAGEMENT PRACTICES
SUMMARY**

Area	Activity	Pollutant Source	Pollutant	Best Management Practices
Vehicle & Equipment Fueling	Fueling	Spills and leaks during delivery	fuel oil	<ul style="list-style-type: none"> - Use spill and overflow protection - Minimize run-on of storm water into the fueling area - Cover fueling area - Use dry cleanup methods rather than hosing down area - Implement proper spill prevention control program - Implement adequate preventative maintenance program to preventive tank and line leaks - Inspect fueling areas regularly to detect problems before they occur - Train employees on proper fueling, cleanup, and spill response techniques.
		Spills caused by topping off fuel tanks	fuel oil	
		Hosing or washing down fuel area	fuel oil	
		Leaking storage tanks	fuel oil	
		Rainfall running off fueling area, and rainfall running onto and off fueling area	fuel oil	

STANDARD PROVISIONS
APPLICABLE TO WASTE DISCHARGE REQUIREMENTS

1. DUTY TO COMPLY

The discharger must comply with all conditions of these waste discharge requirements. A responsible party has been designated in the Order for this project, and is legally bound to maintain the monitoring program and permit. Violations may result in enforcement actions, including Regional Board orders or court orders requiring corrective action or imposing civil monetary liability, or in modification or revocation of these waste discharge requirements by the Regional Board. [CWC Section 13261, 13263, 13265, 13268, 13300, 13301, 13304, 13340, 13350]

2. GENERAL PROHIBITION

Neither the treatment nor the discharge of waste shall create a pollution, contamination or nuisance, as defined by Section 13050 of the California Water Code (CWC). [H&SC Section 5411, CWC Section 13263]

3. AVAILABILITY

A copy of these waste discharge requirements shall be maintained at the discharge facility and be available at all times to operating personnel. [CWC Section 13263]

4. CHANGE IN OWNERSHIP

The discharger must notify the Executive Officer, in writing at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage to a new discharger containing a specific date for the transfer of this Order's responsibility and coverage between the current discharger and the new discharger. This agreement shall include an acknowledgement that the existing discharger is liable for violations up to the transfer date and that the new discharger is liable from the transfer date on. [CWC Sections 13267 and 13263]

5. CHANGE IN DISCHARGE

In the event of a material change in the character, location, or volume of a discharge, the discharger shall file with this Regional Board a new Report of Waste Discharge. [CWC Section 13260(c)]. A material change includes, but is not limited to, the following:

- (a) Addition of a major industrial waste discharge to a discharge of essentially domestic sewage, or the addition of a new process or product by an industrial facility resulting in a change in the character of the Waste.

November 7, 1990
WDR

Standard Provisions Applicable to
Waste Discharge Requirements

- (b) Significant change in disposal method, e.g., change from a land disposal to a direct discharge to water, or change in the method of treatment which would significantly alter the characteristics of the waste.
- (c) Significant change in the disposal area, e.g., moving the discharge to another drainage area, to a different water body, or to a disposal area significantly removed from the original area potentially causing different water quality or nuisance problems.
- (d) Increase in flow beyond that specified in the waste discharge requirements.
- (e) Increase in the area or depth to be used for solid waste disposal beyond that specified in the waste discharge requirements. [CCR Title 23 Section 2210]

6. REVISION

These waste discharge requirements are subject to review and revision by the Regional Board. [CCR Section 13263]

7. TERMINATION

Where the discharger becomes aware that it failed to submit any relevant facts in a Report of Waste Discharge or submitted incorrect information in a Report of Waste Discharge or in any report to the Regional Board, it shall promptly submit such facts or information. [CWC Sections 13260 and 13267]

8. VESTED RIGHTS

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, do not protect the discharger from his liability under Federal, State or local laws, nor do they create a vested right for the discharger to continue the waste discharge. [CWC Section 13263(g)]

9. SEVERABILITY

Provisions of these waste discharge requirements are severable. If any provision of these requirements are found invalid, the remainder of the requirements shall not be affected. [CWC Section 921]

Standard Provisions Applicable to
Waste Discharge Requirements

10. OPERATION AND MAINTENANCE

The discharger shall, at all times, properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the discharger to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Order. [CWC Section 13263(f)]

11. HAZARDOUS RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who, without regard to intent or negligence, causes or permits any hazardous substance or sewage to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) that person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State toxic disaster contingency plan adopted pursuant to Article 3.7 (commencing with Section 8574.7) of Chapter 7 of Division 1 of Title 2 of the Government Code, and immediately notify the State Board or the appropriate Regional Board of the discharge. This provision does not require reporting of any discharge of less than a reportable quantity as provided for under subdivisions (f) and (g) of Section 13271 of the Water Code unless the discharger is in violation of a prohibition in the applicable Water Quality Control plan. [CWC Section 1327(a)]

12. PETROLEUM RELEASES

Except for a discharge which is in compliance with these waste discharge requirements, any person who without regard to intent or negligence, causes or permits any oil or petroleum product to be discharged in or on any waters of the State, or discharged or deposited where it is, or probably will be, discharged in or on any waters of the State, shall, as soon as (a) such person has knowledge of the discharge, (b) notification is possible, and (c) notification can be provided without substantially impeding cleanup or other emergency measures, immediately notify the Office of Emergency Services of the discharge in accordance with the spill reporting provision of the State oil spill contingency plan adopted pursuant to Article 3.5 (commencing with Section 8574.1) of Chapter 7 of Division 1 of Title 2 of the Government Code. This provision does not require reporting of any discharge of less than 42 gallons unless the discharge is also required to be reported pursuant to Section 311 of the Clean Water Act or the discharge is in violation of a prohibition in the applicable Water Quality Control Plan. [CWC Section 13272]

Standard Provisions Applicable to
Waste Discharge Requirements

13. ENTRY AND INSPECTION

The discharger shall allow the Regional Board, or an authorized representative upon the presentation of credentials and other documents as may be required by law, to:

- (a) Enter upon the discharger's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Order;
- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Order;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Order; and
- (d) Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order, or as otherwise authorized by the California Water Code, any substances or parameters at any location. [CWC Section 13267]

14. MONITORING PROGRAM AND DEVICES

The discharger shall furnish, under penalty of perjury, technical monitoring program reports; such reports shall be submitted in accordance with specifications prepared by the Executive Officer, which specifications are subject to periodic revisions as may be warranted. [CWC Section 13267]

All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary to ensure their continued accuracy. All flow measurement devices shall be calibrated at least once per year, or more frequently, to ensure continued accuracy of the devices. Annually, the discharger shall submit to the Executive Office a written statement, signed by a registered professional engineer, certifying that all flow measurement devices have been calibrated and will reliably achieve the accuracy required.

Unless otherwise permitted by the Regional Board Executive officer, all analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. The Regional Board Executive Officer may allow use of an uncertified laboratory under exceptional circumstances, such as when the closest laboratory to the monitoring location is outside the State boundaries and therefore not subject to certification. All analyses shall be required to be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" [40CFR Part 136] promulgated by the U.S. Environmental Protection Agency. [CCR Title 23, Section 2230]

Standard Provisions Applicable to
Waste Discharge Requirements

15. TREATMENT FAILURE

In an enforcement action, it shall not be a defense for the discharger that it would have been necessary to halt or to reduce the permitted activity in order to maintain compliance with this Order. Upon reduction, loss, or failure of the treatment facility, the discharger shall, to the extent necessary to maintain compliance with this Order, control production or all discharges, or both, until the facility is restored or an alternative method of treatment is provided. This provision applies, for example, when the primary source of power of the treatment facility fails, is reduced, or is lost. [CWC Section 13263(f)]

16. DISCHARGE TO NAVIGABLE WATERS

Any person discharging or proposing to discharge to navigable waters from a point source (except for discharge of dredged or fill material subject to Section 404 of the Clean Water Act and discharge subject to a general NPDES permit) must file an NPDES permit application with the Regional Board. [CCR Title 2 Section 22357]

17. ENDANGERMENT TO HEALTH AND ENVIRONMENT

The discharger shall report any noncompliance which may endanger health or the environment. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the discharger becomes aware of the circumstances. A written submission shall also be provided within five days of the time the discharger becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Executive officer, or an authorized representative, may waive the written report on a case-by-case basis if the oral report has been received within 24 hours. The following occurrence(s) must be reported to the Executive Office within 24 hours:

- (a) Any bypass from any portion of the treatment facility.
- (b) Any discharge of treated or untreated wastewater resulting from sewer line breaks, obstruction, surcharge or any other circumstances.
- (c) Any treatment plan upset which causes the effluent limitation of this Order to be exceeded. [CWC Sections 13263 and 13267]

18. MAINTENANCE OF RECORDS

The discharger shall retain records of all monitoring information including all calibration and maintenance records, all original strip chart recordings for continuous monitoring instrumentation, copies off all reports required by this Order, and record of all data used

Standard Provisions Applicable to
Waste Discharge Requirements

to complete the application for this Order. Records shall be maintained for a minimum of three years from the date of the sample, measurement, report, or application. This period may be extended during the course of any unresolved litigation regarding this discharge or when requested by the Regional Board Executive Officer.

Records of monitoring information shall include:

- (a) The date, exact place, and time of sampling or measurement;
 - (b) The individual(s) who performed the sampling or measurement;
 - (c) The date(s) analyses were performed;
 - (d) The individual(s) who performed the analyses;
 - (e) The analytical techniques or method used; and
 - (f) The results of such analyses.
19. (a) All application reports or information to be submitted to the Executive Office shall be signed and certified as follows:
- (1) For a corporation – by a principal executive officer or at least the level of vice president.
 - (2) For a partnership or sole proprietorship – by a general partner or the proprietor, respectively.
 - (3) For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official.
- (b) A duly authorized representative of a person designated in paragraph (a) of this provision may sign documents if:
- (1) The authorization is made in writing by a person described in paragraph (a) of this provision.
 - (2) The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
 - (3) The written authorization is submitted to the Executive Officer.

Any person signing a document under this Section shall make the following certification:

Standard Provisions Applicable to
Waste Discharge Requirements

"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. [CWC Sections 13263, 13267, and 13268]"

20. OPERATOR CERTIFICATION

Supervisors and operators of municipal wastewater treatment plants and privately owned facilities regulated by the PUC, used in the treatment or reclamation of sewage and industrial waste shall possess a certificate of appropriate grade in accordance with Title 23, California Code of Regulations Section 3680. State Boards may accept experience in lieu of qualification training. In lieu of a properly certified wastewater treatment plant operator, the State Board may approve use of a water treatment plan operator of appropriate grade certified by the State Department of Health Services where reclamation is involved.

Each plan shall be operated and maintained in accordance with the operation and maintenance manual prepared by the municipality through the Clean Water Grant Program [CWC Title 23, Section 2233(d)]

ADDITIONAL PROVISIONS APPLICABLE TO
PUBLICLY OWNED TREATMENT WORKS' ADEQUATE CAPACITY

21. Whenever a publicly owned wastewater treatment plant will reach capacity within four years the discharger shall notify the Regional Board. A copy of such notification shall be sent to appropriate local elected officials, local permitting agencies and the press. The discharger must demonstrate that adequate steps are being taken to address the capacity problem. The discharger shall submit a technical report to the Regional Board showing flow volumes will be prevented from exceeding capacity, or how capacity will be increased, within 120 days after providing notification to the Regional Board, or within 120 days after receipt of notification from the Regional Board, of a finding that the treatment plant will reach capacity within four years. The time for filing the required technical report may be extended by the Regional Board. An extension of 30 days may be granted by the Executive Officer, and longer extensions may be granted by the Regional Board itself. [CCR Title 23, Section 2232]