

**STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION
ORDER NO. 01-070**

**WASTE DISCHARGE REQUIREMENTS
AND POST-CLOSURE MAINTENANCE**

**CITY OF LOS ANGELES
(SHELDON-ARELA LANDFILL)
(File No. 60-100)**

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

1. The Sheldon-Arleta Landfill (Landfill) is located at 12455 Wicks Street, in Sun Valley, CA 91352, near the junction of the Hollywood 170 and Interstate 5 freeways (Figure 1, attached).
2. The Landfill was a municipal refuse disposal facility operated by the City of Los Angeles (City) Bureau of Sanitation between 1962 and 1974 in an existing sand and gravel quarry. Subsequently, only inert materials were placed at the site for the purposes of constructing a soil cover.
3. The Landfill was operated under Regional Board Resolution Nos. 60-57 and 61-9, adopted August 18, 1960 and March 15, 1961, respectively. After adoption of Resolution No. 60-57 but prior to landfilling, water from adjacent spreading grounds was observed seeping into the sides of the gravel pit (at elevation 758 feet). After evaluation of seepage concerns at the site, Resolution No. 61-9 was adopted reaffirming Resolution No. 60-57.
4. Nonhazardous solid waste landfills (which include former Class II-2 landfills) have been regulated by the State Water Resources Control Board and the Regional Boards since the 1960's through the issuance of Waste Discharge Requirements (WDRs). The applicable regulations governing landfills in California, Division 3, Chapter 15 (Discharges of Waste to Land) of Title 23, California Code of Regulations (23 CCR), are now contained in California Code of Regulations Title 27 (27 CCR).
5. Pursuant to 23 CCR Section 2510(g) [27 CCR Section 20080(g)], landfills that are closed, abandoned, or inactive on the effective date of these regulations (November 1984) are not specifically required to be closed in accordance with Article 8 requirements of 23 CCR (27 CCR Section 20950). However, these landfills are subject to post-closure maintenance requirements in accordance with 23 CCR 2581(b) and (c) [27 CCR Section 20080(g)].

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6. Pursuant to 23 CCR Section 2510(g) [27 CCR Section 20080(g)], persons responsible for discharges at landfills which are closed, abandoned, or inactive may be required to develop and implement a monitoring program. If water quality impairment is found, such persons may be required to develop and implement a corrective action program based on the provisions of 23 CCR, Chapter 15 (27 CCR Section 20380 et seq.; Article 1, Subchapter 3, Chapter 3, Subdivision 1).
7. The Regional Board may require formal closure of a landfill in accordance with 23 CCR Articles 8 and 9 under the following conditions:
 - a. when there is a proposed site development or land use change that jeopardizes the integrity of the existing cover;
 - b. when water quality impairment is found, as part of a groundwater monitoring program; or
 - c. when nuisance conditions exist that warrant such activity.
8. The City submitted a Closure and Post-Closure Maintenance Plan (FCPCMP) on January 11, 1999 for the Landfill following 27 CCR, Division 2, Subdivision 1, Chapter 3, Subchapter 4 (Development of Closure/Post-Closure Maintenance Plans).
9. These WDRs for the Landfill are being developed to incorporate applicable post-closure maintenance requirements of 27 CCR.
10. The Landfill is comprised of approximately 41 acres that received municipal solid waste.
11. The site is underlain by Recent-aged alluvium consisting of highly porous and permeable, unconsolidated cobbles, gravels, and sands of the Bull Canyon Hydrologic Subarea of the San Fernando Hydrologic Area of the Los Angeles – San Gabriel Hydrologic Unit.
12. The Tujunga Wash which passes to the west of the Landfill is an intermittent stream which flows southerly across a debris cone created by the wash. The Tujunga Wash is one of the principal sources of recharge to the San Fernando Groundwater Basin. Flood flows in Tujunga Wash are regulated by Hansen Dam, which was completed in April 1940. A concrete lined channel between Hansen Dam and the Los Angeles River was completed in 1972. The Tujunga wash has a 100-year flood stage that is below the base elevation of the Landfill, indicating that the site is reasonably safe from flood damage caused by overtopping of the Tujunga Wash.

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13. The County of Los Angeles operates the Los Angeles Department of Water and Power owned Tujunga Spreading Grounds that are located northwest of the Landfill.
14. The Landfill is not lined and has no leachate collection and removal system.
15. Between 1963 and 1966 a vertical clay barrier was constructed between the Tujunga Spreading Basin and the Landfill to prevent lateral seepage of groundwater into the sides of the site (Figure 2, attached).
16. In 1979, a landfill gas extraction and recovery system was activated to control the migration of landfill gas and reclaim the gas for energy generation (Figure 3, attached). The on-site gas control system consists of a network of 34 wells operated in extraction mode and piped off-site to an energy conversion plant owned by Covanta Power Pacific, Inc., formerly known as Ogden Power Pacific, Inc.
17. In 1993, the City developed an "Interim Action Plan (Plan)" to control landfill gas (methane) migration which is exacerbated by fluctuating groundwater levels caused by spreading at the Tujunga Spreading Grounds. As part of the Plan, a gas extraction probe and blower system was installed at the boys and girls gymnasium at Francis Polytechnic High School located southeast of the Landfill (Figure 4, attached). This system is electronically connected to a methane alarm system that automatically turns on the blower system if methane concentrations reach 15% of the lower explosive limit (LEL) at any sensor. The blower remains operating until all sensors register below the 15% LEL alarm level.
18. The City proposes the post-closure end use of the Landfill to be passive recreation.
19. As part of the FCPCMP, the City submitted "Sheldon-Arleta Landfill Cover Depth Exploration" results. Thirty-six exploratory borings were drilled at the site to evaluate the thickness of the existing soil cover and to evaluate the characteristics of cover soils (Figure 5, attached). Results indicate that the cover soils range in thickness from 12 to 53 feet in thickness and range in composition from lean clay, to silty clay, to silt, to silty sand. Results of four tests indicate that the clay materials have a hydraulic conductivity between 5.6×10^{-8} cm/sec and 2.8×10^{-7} cm/sec. Water balance calculations have not been completed to evaluate the performance of the proposed alternative final cover relative to a 27 CCR prescriptive final cover.
20. The City has not completed a static and dynamic slope stability analysis for the final refuse fill slopes and final cover. However, the landfill surface is a relatively flat open plain, with no slopes in excess of 10%, thus stability analyses are unwarranted.

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21. Wastes at the Landfill were deposited between 1962 and 1974, thus, because of the age and character of the underlying waste significant settlement at the site is not expected. The City has proposed aerial photographic surveys of the Landfill every five years throughout the post-closure maintenance period to determine the need for any re-grading.
22. There are three existing pressure-vacuum lysimeters (IT-SA6, IT-SA7 and IT-SA8) to monitor soil pore water quality at the Landfill (Figure 6, attached). There are also existing pressure-vacuum lysimeters (IT-SA4, and IT-SA5) and two existing groundwater monitoring wells (4897C and 4897D) within the Landfill to measure water quality (Figure 6, attached).
23. Vadose zone gas at the Landfill will be monitored using 20 soil-pore gas monitoring probes around the perimeter of the landfill (Figure 3, attached) and 15 soil-pore gas monitoring probes at the Francis Polytechnic High School (Figure 4, attached).
24. The FCPCMP proposes the following:

I. CLOSURE

- a. Final Cover – the City has proposed an alternative cover in accordance with 27 CCR. The proposed final cover consists of approximately 12 to 53 feet of existing non-engineered cover soils placed at the site during previous closure and grading operations.
- b. Final cover on the top deck of the Landfill will be graded at a minimum of 3% to provide sufficient slope for storm water runoff and to prevent ponding.
- c. Erosion on the top cover will be prevented by a vegetative cover.
- d. Five groundwater wells (IT-SA1, IT-SA2, IT-SA3, 4897A, 4897B, and 4887B) and two leachate wells (IT-SA4 and IT-SA5) will be monitored during the closure and post-closure maintenance period.
- e. Water quality is proposed to not be monitored at existing monitoring wells within the Landfill (4897C and 4897D) and existing pressure vacuum lysimeters IT-SA4, IT-SA5, IT-SA6, IT-SA7 and IT-SA8.

II. POST-CLOSURE MAINTENANCE

The City shall inspect the Landfill for the following:

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	<u>Inspection Period</u>
1. Site Security Inspection and Maintenance (I & M)	Monthly
2. Landfill Gas Monitoring I & M	Monthly
3. Landfill Gas Collection I & M	Quarterly
4. Off-site Methane Detection and Control I & M	Quarterly
5. Groundwater System I & M	Quarterly
6. Final Cover I & M	Semiannual
7. Drainage System I & M	Semiannual
8. Vegetative Cover I & M	Semiannual
9. Final Grading I & M	Yearly
10. Settlement Analysis	5-Years

25. The 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 the 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 Board the results of a Solid Waste Assessment Test (SWAT) report to determine if the site is leaking hazardous waste. The City submitted a SWAT report on July 1, 1987 for the Landfill. Ten point of compliance groundwater monitoring wells (IT-SA1, IT-SA2, IT-SA3, IT-SA4, IT-SA5, 4887B, 4897A, 4897B, 4897C, and 4897D) were monitored for the SWAT investigation. This Regional Board conditionally approved the SWAT on February 9, 1990. The SWAT concluded that the Landfill had no notable impact on groundwater quality but Regional Board staff recommended two additional quarters of groundwater monitoring. Because of decreasing groundwater levels the City was unable to sample the groundwater monitoring wells. Groundwater monitoring is being required by these WDRs.
26. 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.
27. Inactive landfills are existing facilities and as such are exempt from the provisions of the California Environmental Quality Act in accordance with Title 14, California Code of Regulations, Chapter 3, Article 19, Section 15301.
28. 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

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additional energy usage, Regional Board staff have determined that implementation of these WDRs will not result in a significant change in energy usage.

29. The Regional Board has notified interested agencies and all known interested parties of its intent to issue post-closure maintenance requirements for these inactive landfills.
30. The Regional Board in a public meeting heard and considered all comments pertaining to post-closure maintenance of these inactive landfills.

IT IS HEREBY ORDERED, that the City of Los Angeles shall comply with the following at the Sheldon-Arleta Landfill:

A. SPECIFICATIONS

1. The City shall comply with all applicable post-closure requirements of 27 CCR, Subchapter 5, Article 2 (Closure and Post-Closure Maintenance Standards for Disposal Sites and Landfills).
2. The City shall remove and relocate any wastes that are discharged at the site in violation of these requirements.
3. By September 24, 2001, the City shall submit a technical report, to be approved by the Executive Officer, which provides a workplan for completing aerial photographic surveys of the Landfill every five years throughout the post-closure maintenance period.
4. By September 24, 2001, the City shall submit a technical report, to be approved by the Executive Officer, which provides all relevant data/information to justify cessation of monitoring at existing monitoring wells within the Landfill (4897C and 4897D) and existing pressure vacuum lysimeters (IT-SA4, IT-SA5, IT-SA6, IT-SA7 and IT-SA8).

General Maintenance Requirements

5. The City shall follow the maintenance plan in these WDRs and the FCPCMP. If there is any conflict between provisions stated within the WDRs and the FCPCMP, the WDRs provisions will prevail.
6. The City shall perform inspections of the Landfill and report the results pursuant to the FCPCMP as listed in Finding No. 24(II). The report shall contain

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information on site conditions and a discussion of any significant findings with regard to:

- a) General site conditions;
 - b) Surface cover and slopes;
 - c) Drainage facilities;
 - d) Groundwater, vadose zone, soil moisture monitoring networks;
 - e) Landfill gas control systems;
 - f) Observation of seepage from the site; and
 - g) Maintenance activities at the site.
7. The City shall undertake any appropriate measures to repair and correct any damage observed at the Landfill during site inspections.
 8. The Landfill maintenance period shall continue until this Regional Board determines that remaining wastes at the site will not threaten water quality.
 9. A thorough and comprehensive inspection of the Landfill shall be conducted by the City after any special events such as earthquakes, storms, or fires.
 10. Landfilled areas shall be adequately protected from any washout, 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.
 11. The structural integrity and effectiveness of all containment structures and the existing cover shall be maintained as necessary to correct the effects of settlement or other adverse factors.
 12. The migration of landfill gas from the site shall be controlled, as necessary, to ensure that landfill gases and gas condensate are not discharged to surface waters or groundwater.
 13. The City shall initiate within 30 days, repair and restore to design conditions, and in accordance with construction specifications, any deficiencies, damages to, or failure of the final cover, final grades, side slopes, drainage system, settlement, and monitoring systems. The design of repair or restoration projects shall include the development of a project construction schedule submitted for approval by the Executive Officer.

Monitoring

- 14. The City shall use the constituents listed in Monitoring and Reporting Program No. CI-2765 and revisions thereto, as "monitoring parameters". These monitoring parameters are subject to the most appropriate statistical or non-statistical tests under Monitoring and Reporting Program No. CI-2765 and any revised monitoring and reporting program approved by the Executive Officer.
- 15. The City shall implement the attached Monitoring and Reporting Program No. CI-2765 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 associated with (caused by) discharges of waste to the Landfill.
- 16. The City shall follow the Water Quality Protection Standards (WQPS) for detection monitoring established by the Regional Board in this Board Order pursuant to Title 27, Section 20390. The following are five parts (a through e, below) of the WQPS as established by the Regional Board:
 - a. In accordance with Title 27, California Code of Regulations, Section 20390, the following are WQPS for this facility:

<u>Constituents</u>	<u>Units</u>	<u>Maximum Value</u>
Total dissolved solids (TDS)	mg/l	700
Sulfate	mg/l	300
Chloride	mg/l	100
Boron	mg/l	1.5

WQPS may be modified by the Regional Board based on more recent or complete groundwater monitoring data such as from the monitoring network required by this Order, changes in background water quality, or for any other valid reason.

- b. The City shall test for the monitoring parameters and the Constituents of Concern (COC) listed below and in Monitoring and Reporting Program No. CI-2765 and revisions thereto for:

- | | <u>Constituents</u> |
|----|------------------------------|
| 1. | Chemical Oxygen Demand (COD) |
| 2. | Total Organic Halides (TOX) |
| 3. | Total Organic Carbon (TOC) |

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4. TDS
 5. Chloride
 6. Sulfate
 7. Boron
 8. Hydroxide Alkalinity (CaCO_3)
 9. Total Hardness (as CaCO_3)
 10. Volatile Organics
 11. Electrical Conductivity
 12. pH
 13. Groundwater Elevation
- c. Concentration Limits - The concentration limit for each monitoring parameter and constituents of concern for each monitoring point shall be its background value as obtained during that reporting period.
- d. Monitoring points and background monitoring points for detection monitoring shall be those listed below and the attached Monitoring and Reporting Program No. CI-2765, and any revised Monitoring and Reporting Program approved by the Regional Board's Executive Officer. Monitoring and background monitoring points are shown on Figure 6 (attached):
- i. Background Point IT-SA2, IT-SA3, 4887B and 4897B;
 - ii. Point of Compliance IT-SA1, and 4897A.
- e. Compliance period - The estimated duration of the compliance period for this Landfill is five years. Each time a release is discovered the Landfill restarts the compliance period on the date the Regional Board directs the City to begin an Evaluation Monitoring Program. If the City's Corrective Action Program (CAP) has not achieved compliance with the standard by the scheduled end of the Compliance Period, the Compliance period is automatically extended until the Landfill has been in continuous compliance for at least three consecutive years.
17. For each monitoring point described in this Order, the City shall monitor semiannually the following monitoring parameters in groundwater, and surface water, for the detection monitoring program. In determining whether measurably significant evidence of a release from the waste management unit exists, concentration limits of constituents of concern, listed in Specification No. A-16(b) of this Order, shall be used for the following monitoring parameters:

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<u>Groundwater Monitoring Parameters</u>	<u>Test Method</u>
COD	EPA 410.4
TOX	EPA 9020
TOC	EPA 415.1
TDS	EPA 160.1
Chloride	EPA 300.0
Sulfate	EPA 300.0
Boron	EPA 6010
Hydroxide Alkalinity (CaCO ₃)	Std. M2320B
Total Hardness (as CaCO ₃)	Std. M2340
Volatile Organics	EPA 8260
Electrical Conductivity	Field
pH	Field
Groundwater Elevation	Field

18. Once each year, during the Winter/Spring monitoring period, all wells shall be sampled and these samples analyzed for:

<u>Groundwater Monitoring Parameters</u>	<u>Test Method</u>
Volatiles*	EPA 8260
Semi-volatiles*	EPA 3510/8270
Pesticides*	EPA 3510/8080
PCB's*	EPA 3510/8080
Metals**	EPA 6010 (else, see below)
Biological Oxygen Demand	EPA 405.1
Bicarbonate	Std. Method 2320B
Carbonate	Std. Method 2320B
Foaming Agents	EPA 425.1
Herbicides	EPA 8150
Nitrate (as N)	EPA 300.0
Nitrite	EPA 300.0
Oil and Grease	EPA 413.2
Sulfate	EPA 300.0
Sulfides	EPA 376.2
Total cyanide	EPA 335.2
Total phenols	EPA 420.1
Turbidity	NTU; EPA 180.1

*All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses.

** Aluminum, Antimony, Arsenic (EPA 7060), Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Hexavalent chromium (Std. Method 3500 CrO), Lead, Magnesium, Mercury (EPA 7470), Molybdenum, Nickel, Potassium, Selenium (EPA 7740), Silver, Sodium, Strontium, Thallium, Tin, Vanadium, and Zinc.

19. By August 24, 2001, the City shall submit a technical report, to be approved by the Executive Officer, which identifies any monitoring wells or monitoring devices that penetrate the refuse fill at the site. This technical report must explain the value of these wells or devices for the purposes of water quality monitoring and/or post-closure maintenance operations. The City shall decommission any well or monitoring device that are not deemed valuable by this Regional Board for the purposes of water quality monitoring and/or post-closure maintenance operations. Decommissioning of any wells and or monitoring devices at the site shall be in accordance with California Well Standards (California Department of Water Resources Bulletin 74-90).
20. If cessation of soil pore water monitoring is not approved by the Executive Officer, the City shall conduct soil pore water monitoring at the site on a semi-annual basis. The City shall use the constituents listed in Monitoring and Reporting Program No. CI-2765 for groundwater, and revisions thereto, as monitoring parameters for soil pore water.

Erosion Control

21. Any necessary erosion control measures shall be implemented, and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed to prevent erosion, ponding, flooding, or to prevent surface drainage from contacting or percolating through wastes at the facility on an annual basis. The annual erosion control measures shall be completed prior to the anticipated rainy season but not later than October 31. In addition, maintenance, and repairs necessitated by changing site conditions shall be made at any time of year. A description of all erosion control measures used at the site shall be included in the annual monitoring report contained in the Monitoring and Reporting Program No. CI-2765.
22. Silt fences, hay bales, and other erosion control measures shall be used to manage surface water runoff from Landfill areas where landfill cover has recently been constructed, and from areas where landfill containment system construction is occurring.

23. All areas, including surface drainage courses, shall be maintained to minimize erosion. Landfill cover shall be maintained to minimize percolation of liquids through wastes.

Surface Drainage

24. The exterior surfaces of the disposal area, including the intermediate and final landfill covers, shall be graded and maintained to promote lateral runoff of precipitation and to prevent ponding.
25. Surface water runoff within the boundaries of the Landfill (i.e., precipitation that falls on the landfill cover) shall be collected by a system of berms, ditches, downchutes, swales and drainage channels, and shall be diverted off the Landfill.
26. 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 storm water regulations.
27. Where flow concentrations result in erosive flow velocities, surface protection such as asphalt, concrete, riprap, silt fences or other erosion control materials shall be used for protection of drainage conveyance structures. Interim bench ditches shall be provided with erosion control material and riprap to control erosion where necessary.
28. Where high velocities occur at terminal ends of downchutes, or where downchutes cross landfill cover access roads, erosion control material shall be applied to exposed soil surfaces.
29. Energy dissipaters shall be installed to control erosion at locations where relatively high erosive flow velocities are anticipated.

Irrigation Systems Control

30. Any proposed irrigation system shall be fully automated and shall include a rain gauge and moisture sensors to only deliver the amount of water necessary to sustain the growth of a healthy vegetative cover. The irrigation system shall be designed to automatically shut down when the vegetation has received a sufficient amount of water.
31. For any water lines overlying waste, the design shall consider, but not be limited

to, the following:

- a. Flexible connectors;
- b. Secondary containment;
- c. Moisture sensors within secondary containment;
- d. Rain sensors;
- e. Annual leak testing;
- f. Automatic shutoff valves; and
- g. A maintenance plan describing the inspection and maintenance schedule for all mitigation devices.

Reporting Requirements

32. The City shall notify Regional Board staff at least 30 days prior to any maintenance activities, for approval by the Executive Officer, which could alter existing surface drainage patterns or change existing slope configurations. These activities may include, but not be limited to, significant grading activities, the importation of fill material, the design and installation of soil borings, groundwater monitoring wells and other devices for site investigation purposes.
33. The City shall furnish to the Executive Officer, within a reasonable time, any information which the Executive Officer may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this Order. The City shall also furnish to the Executive Officer, upon request, copies of records required by this Order.
34. The City shall notify the Executive Officer, in writing, at least 30 days in advance of any proposed transfer of this Order's responsibility and coverage between the current owner and new owner for construction, operation, closure, or post-closure maintenance of the landfill. This agreement shall include an acknowledgement that the existing owner is liable for violations up to the transfer date and that the new owner is liable from the transfer date on. The agreement shall include an acknowledgement that the new owners shall accept responsibility for compliance with this Order that includes the post-closure maintenance of the Landfill.
35. Where the City becomes aware that it failed to submit any relevant facts in any report to the Regional Board, it shall submit such facts or information within seven days.
36. The City shall report any noncompliance. Any such information shall be provided verbally to the Executive Officer within 24 hours from the time the owner

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becomes aware of the circumstances. A written submission shall also be provided within seven days of the time that the owner 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, or 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.

37. The City shall report monitoring results at the intervals specified in Monitoring and Reporting Program No. CI-2765.
38. The City shall report (on a quarterly basis) the total volume of irrigation (if applicable) water used at the site each month.
39. All applications, reports, or information submitted to the Executive Officer shall be signed and certified as follows:
 - a. The applications, reports, or information shall be signed as follows:
 - i. For a corporation - by a principal executive officer of at least the level of vice-president.
 - ii. For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
 - iii. For a municipality, state, federal or other public agency - by either a principal executive officer or ranking elected official.
 - iv. For a military installation - by the base commander or the person with overall responsibility for environmental matters in that branch of the military.
 - b. All other reports required by this Order and other information required by the Executive Officer shall be signed by a person designated in paragraph [a] of this provision, or by a duly authorized representative of that person. An individual is a duly authorized representative only if:
 - i. The authorization is made in writing by a person described in paragraph [a] of this provision;
 - ii. The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity; and

iii. The written authorization is submitted to the Executive Officer.

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

"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."

40. The City shall submit reports required under this Order and other information requested by the Executive Officer, to:

California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Technical Services Unit

B. PROHIBITIONS

1. The discharge or deposit of waste, in any form, at this site is prohibited.
2. Discharges of waste to land as a result of inadequate post-closure maintenance practices and that have not been specifically described to the Regional Board and for which valid WDRs are not in force, are prohibited.
3. Odors, vectors, and other nuisances of waste origin beyond the limits of the Landfill site are prohibited.
4. The discharge of waste to surface drainage courses or to usable groundwater is prohibited.
5. Basin Plan prohibitions shall not be violated.
6. The use of pressurized water lines overlying waste is prohibited unless the water lines are designed in accordance with the Irrigation Systems Control (Specification No. A-31).

C. NOTIFICATIONS

1. Closure and post-closure maintenance of this waste management unit may be subject to regulations of the California Integrated Waste Management Board or the South Coast Air Quality Management District.
2. Definitions of terms used in this Order shall be as set forth in 23 CCR, Chapter 15 and 27 CCR.

D. PROVISIONS

1. The FCPCMP submitted by the City for the Sheldon-Arleta Landfill, dated January 11, 1999, is approved by this Regional Board.
2. The City shall comply with all conditions of this Order and any additional conditions prescribed by the Regional Board in addenda thereto. Noncompliance with this Order constitutes a violation of the CWC and is grounds for:
 - a. enforcement action;
 - b. termination, revocation and reissuance, or modification of this Order; or
 - c. denial of a Report of Waste Discharge in application for new or revised WDRs.
3. The City shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Order, including such accelerated or additional monitoring as may be necessary to determine the nature and impact of the noncompliance.
4. The City 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 City to achieve compliance with conditions of this Order. Proper operation and maintenance includes effective performance, adequate laboratory and process controls including appropriate quality assurance procedures.
5. This Order may be modified, revoked and reissued, or terminated for cause including, but not limited to, the following:

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- a. Violation of any terms or conditions of this Order;
 - b. Obtaining this Order by misrepresentation or failure to disclose fully all relevant facts;
 - c. Alteration of the proposed end use for the site from and non-irrigated open space; or
 - d. A change in any condition that requires either a temporary, permanent reduction, or elimination of the authorized discharge.
6. This Order is not transferable to any person except after notice to the Executive Officer. The Regional Board may require modification or revocation and reissuance of this Order to change the name of the City and incorporate such other requirements as may be necessary under the CWC. The City shall submit notice of any proposed transfer of this Order's responsibility and coverage as described under Specification No. A-34 of this Order.
7. This Order includes the attached "Standard Provisions Applicable to Waste Discharge Requirements", adopted November 7, 1990 (Attachment 1). If there is any conflict between provisions stated herein and the "Standard Provisions Applicable to Waste Discharge Requirements", these provisions stated herein will prevail.
8. In accordance with Water Code Section 13263(g), these requirements shall not create a vested right to continue to discharge. All discharges of waste into the waters of the State are privileges, not rights, and are subject to rescission or modification.
9. The City 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 City'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

**CITY OF LOS ANGELES – BUREAU OF SANITATION
SHELDON-ARLETA LANDFILL
ORDER NO. 01-070**

FILE NO. 60-100

- d. Sample or monitor at reasonable times, for the purposes of assuring compliance with this Order or as otherwise authorized by the CWC, any substances or parameters at any location.
10. A copy of this Order shall be maintained at the local offices of the City and shall be available to operating personnel at all times.
11. The filing of a request by the City for the modification, revocation and reissuance, or termination of this Order or notification of planned changes or anticipated noncompliance does not stay any condition of this Order.
12. The provisions of this Order are severable, and if any provision of this Order, or the application of any provision of this Order to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Order, shall not be affected thereby.
13. This Order becomes effective on the date of adoption by this Regional Board.
14. Regional Board Resolution No. 60-57 and 61-9, adopted August 18, 1960 and March 15, 1961, respectively, are hereby rescinded.

I, Dennis A. Dickerson, Executive Officer, do 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 24, 2001.



DENNIS A. DICKERSON
Executive Officer

FIGURE 1:
SHELDON-ARLETA LANDFILL LOCATION MAP

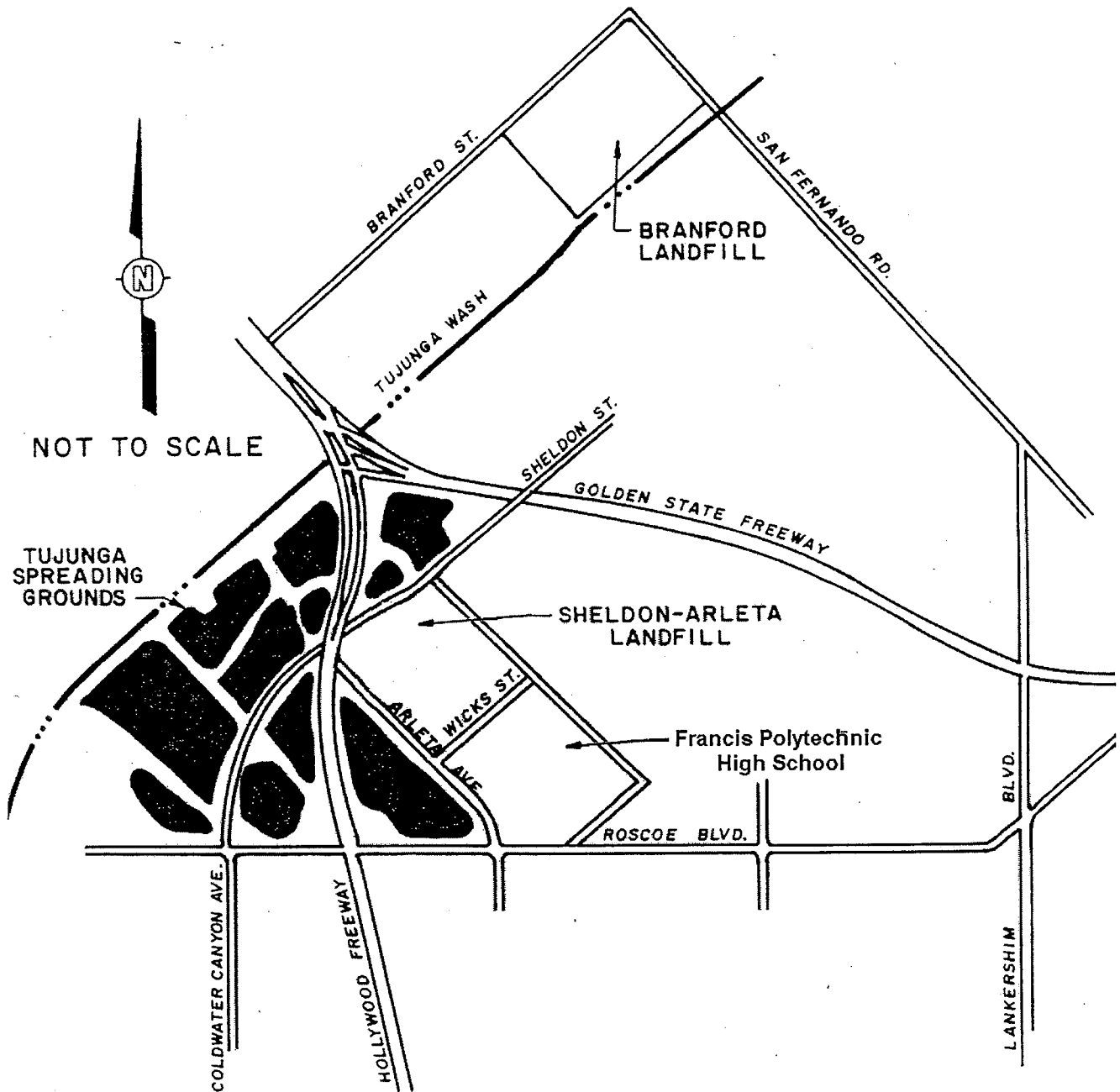


FIGURE 2:
SHELDON-ARLETA LANDFILL VERTICAL CLAY BARRIER SYSTEM

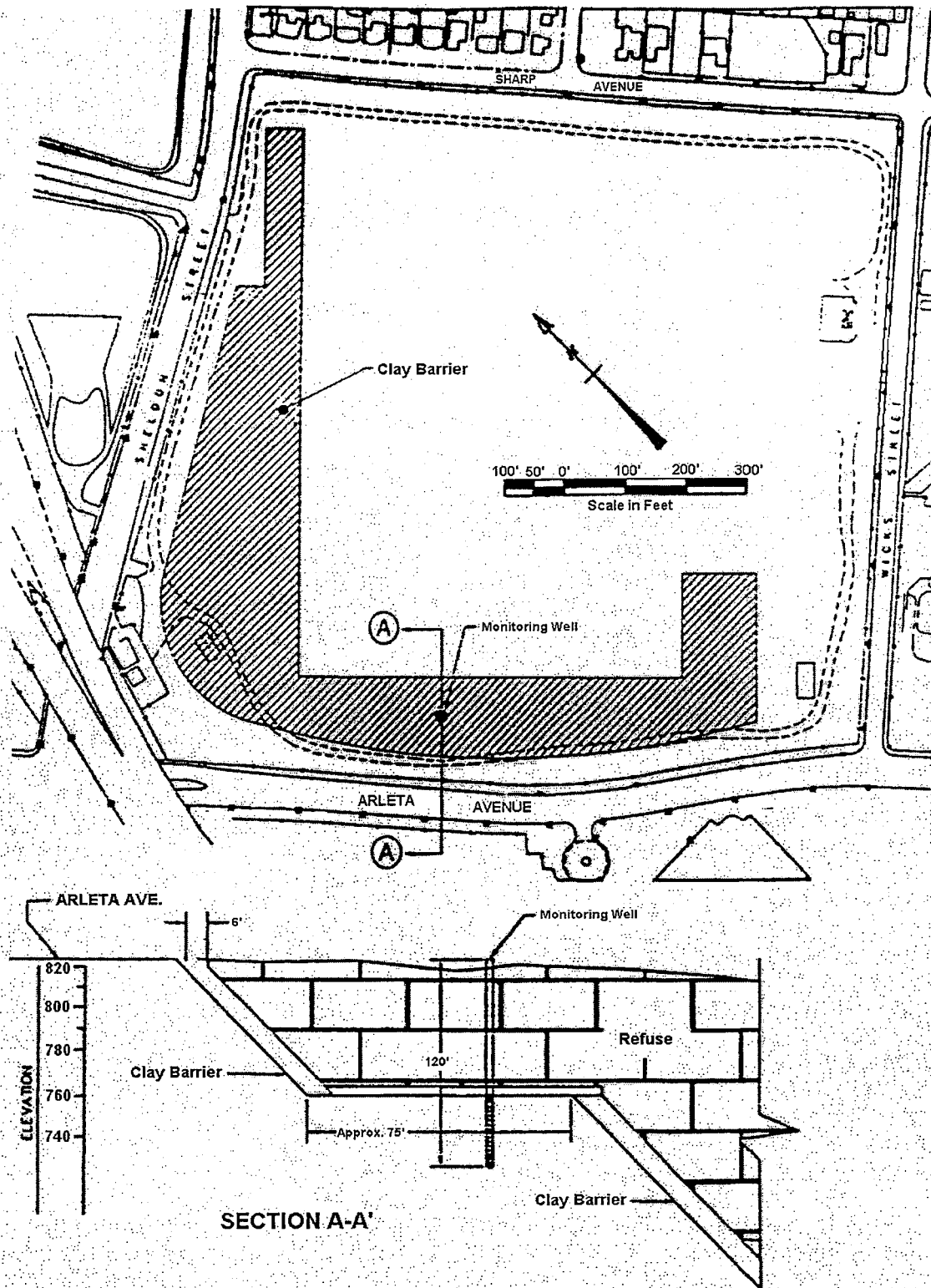


FIGURE 3:
 SHELDON-ARLETA LANDFILL GAS EXTRACTION AND RECOVERY SYSTEM

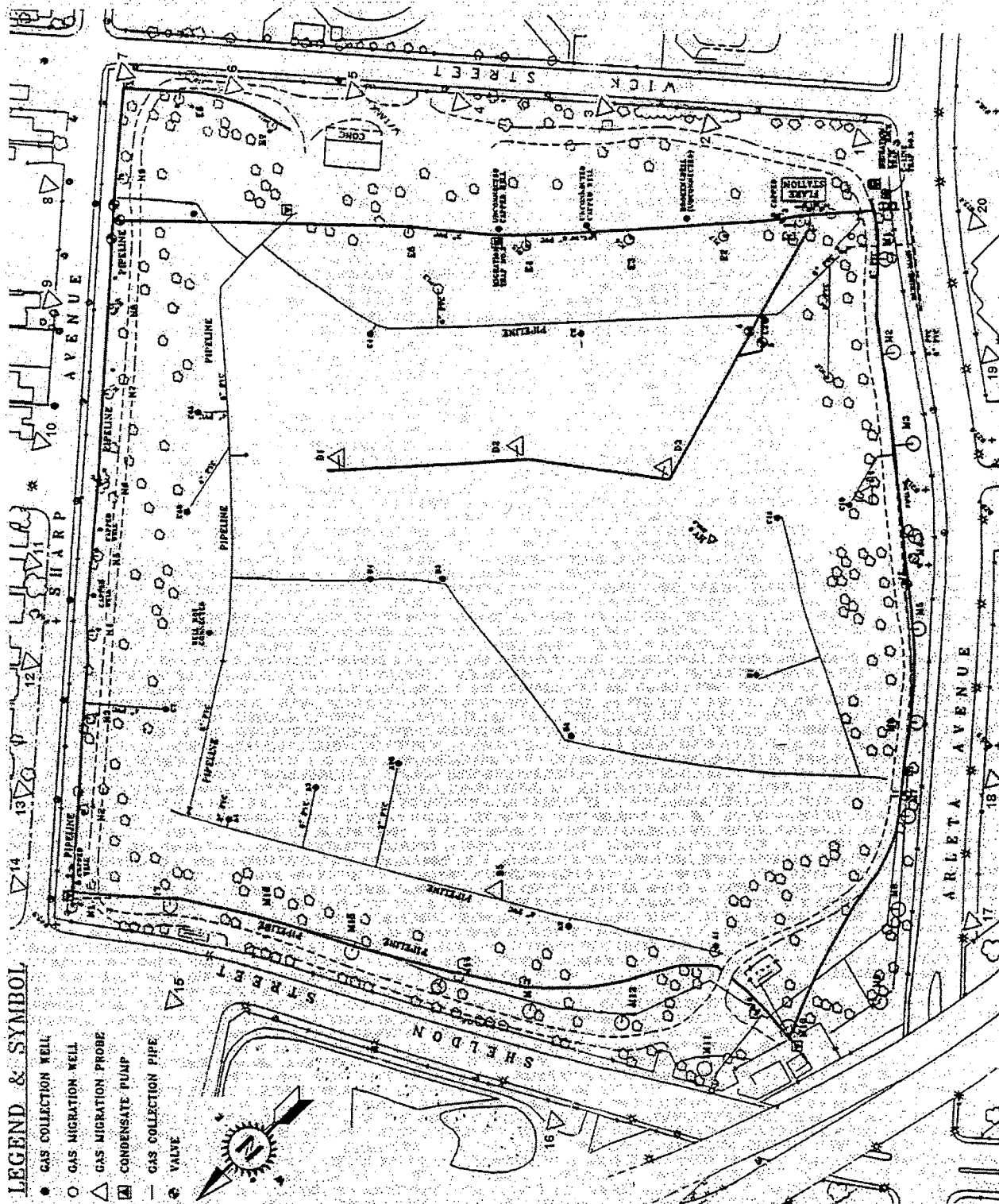


FIGURE 4:
 SHELDON-ARLETA LANDFILL METHANE MIGRATION CONTROL SYSTEM

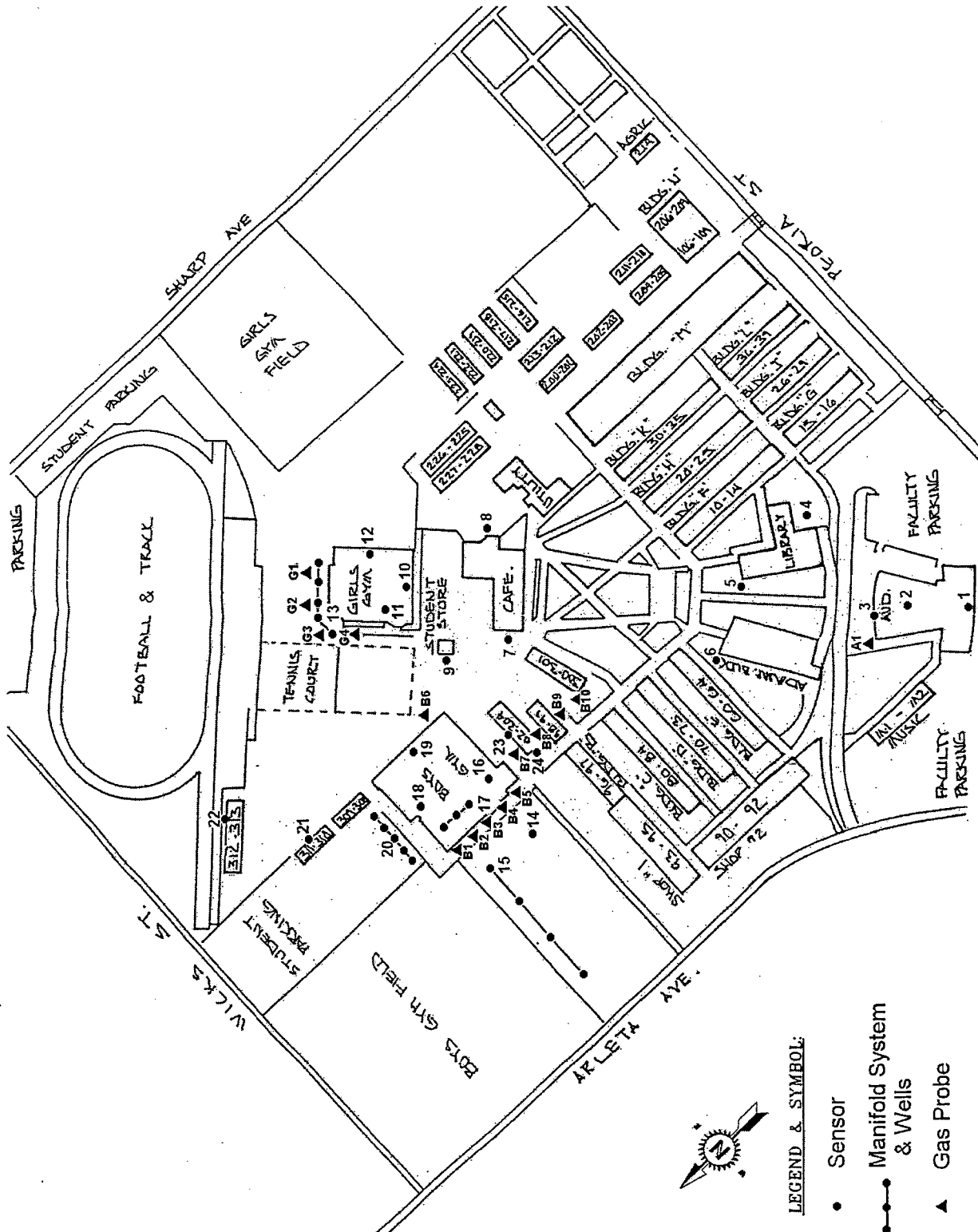


FIGURE 5:
SHELDON-ARLETA LANDFILL COVER DEPTH INVESTIGATION

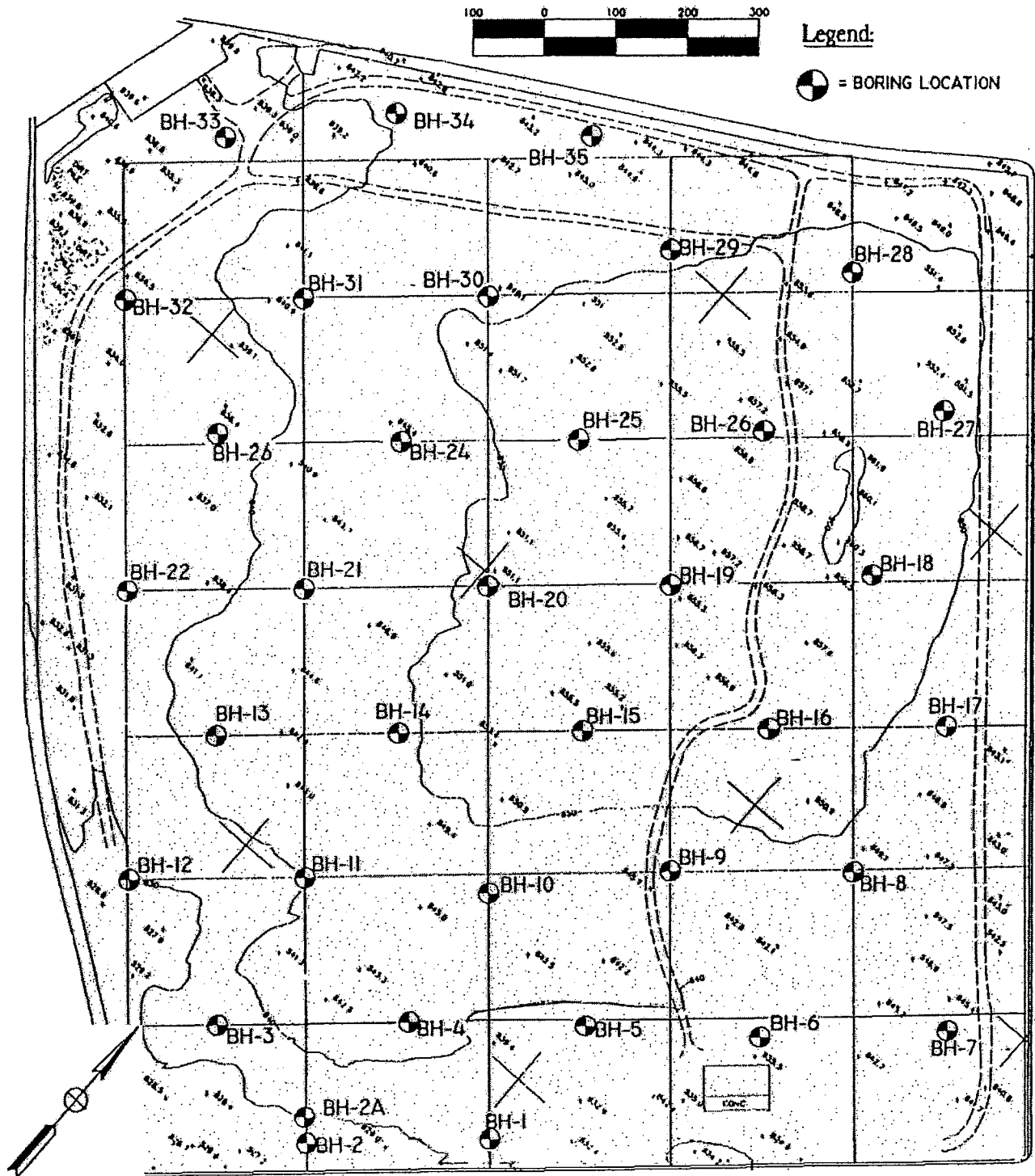
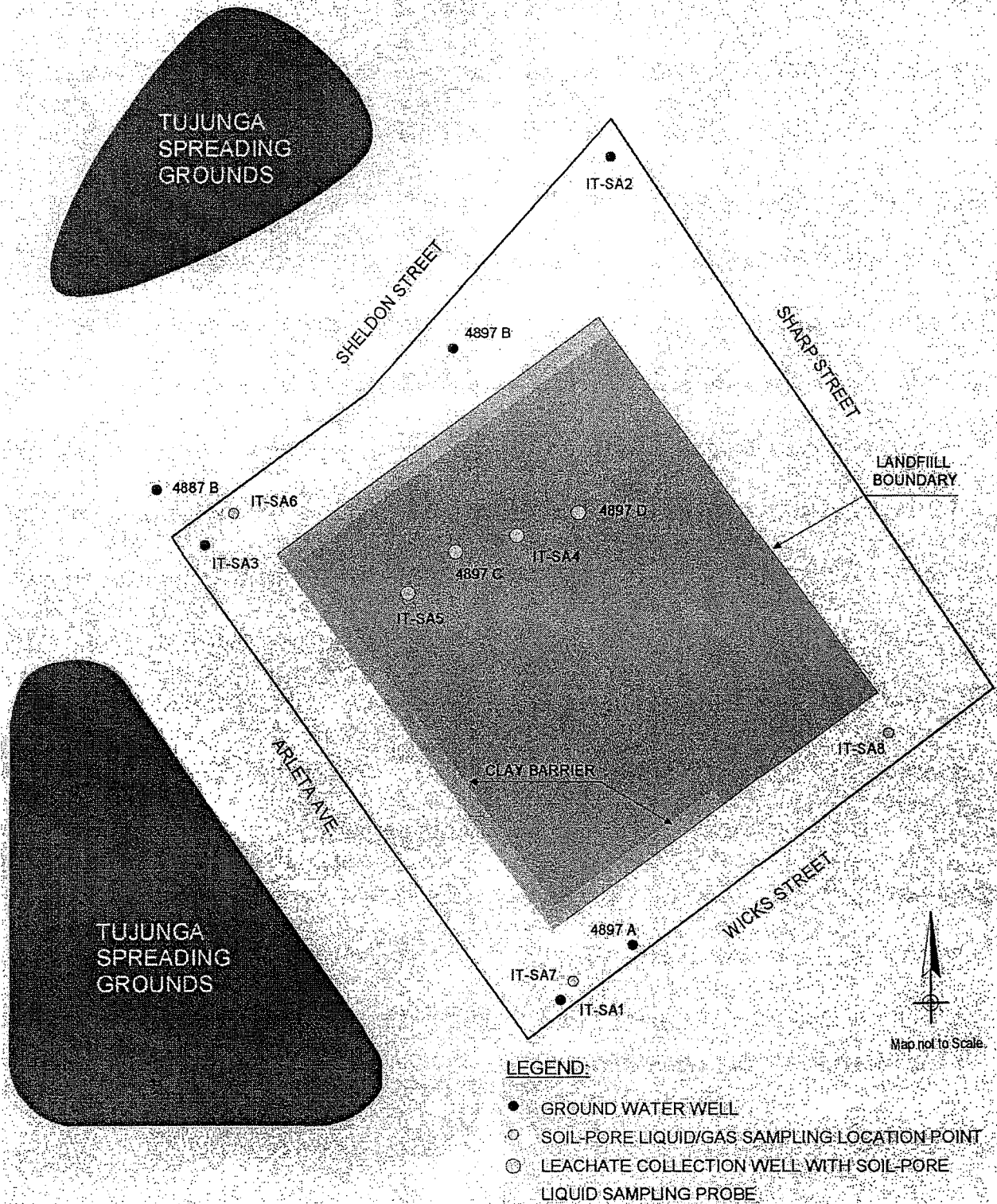


FIGURE 6:
SHELDON-ARLETA LANDFILL ENVIRONMENTAL CONTROL SYSTEMS



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SHELDON-ARLETA LANDFILL
ORDER NO. 01-070**

FILE NO. 60-100

ATTACHMENT 1:

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 of 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]

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

**MONITORING AND REPORTING PROGRAM NO. CI-2765
FOR
CITY OF LOS ANGELES
(SHELDON-ARLETA LANDFILL)**

(File No. 60-100)

A. GROUNDWATER MONITORING PROGRAM

General

1. The City of Los Angeles (City) shall conduct required monitoring and response programs in accordance with Section 20385 of Title 27 of the California Code of Regulations (27 CCR). The City shall implement a detection monitoring program per 27 CCR Section 20420. If there is an indication of a release at the site, the shall implement an evaluation monitoring program per 27 CCR Section 20425, and a corrective action program per 27 CCR Section 20430.
2. The City shall implement this monitoring and reporting Program during the first monitoring period (Reporting, Item No. 18, below) immediately following adoption of this Order.
3. 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. The period may be extended by request of the Regional Board at any time, and shall be extended during the course of any unresolved litigation regarding all or any part of the entire waste management facility.

Sampling and Analyses

4. All monitoring wells shall be equipped with dedicated sampling pumps.
5. All monitoring wells shall be sounded semiannually to determine total depth. Wells affected by pumping shall be measured prior to pumping, to the degree that this is possible.
6. For each monitored groundwater body, the City shall measure the water level in each well and determine groundwater flow rate and direction annually.

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MONITORING AND REPORTING PROGRAM NO. 2765**

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Groundwater elevations for all background and downgradient wells for a given groundwater body shall be measured within a period of time short enough to avoid temporal variations in groundwater flow which could preclude accurate determination of groundwater flow rate and direction.

7. Prior to sampling monitoring wells, the presence of a floating immiscible layer in all wells shall be determined at the beginning of each sampling event. This shall be done prior to any other activity which may disturb the surface of the water in a monitoring well (e.g. water level measurements). If an immiscible layer is found, this Regional Board shall be notified within 24 hours.
8. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidance Establishing Test Procedures for Analysis of Pollutants," promulgated by the Environmental Protection Agency (U.S. EPA). Proper chain of custody procedures shall be used.
9. No filtering of samples taken for organics analyses shall be permitted. Samples for organic analyses shall be taken with a sampling method that minimizes volatilization and degradation of potential constituents.
10. All analyses shall be performed in a laboratory certified to perform such analyses by the California Department of Health Services or a laboratory approved by the Executive Officer. Specific methods of analysis must be identified. If methods other than U.S. EPA approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Executive Officer prior to use. Laboratory analyses must meet U.S. EPA Quality Assurance/Quality Control criteria. The director of the laboratory whose name appears on the certification shall supervise all analytical work in his/her laboratory and shall sign all reports of such work submitted to the Regional Board.
11. All monitoring instruments and equipment which are used by the City to fulfill the prescribed monitoring program shall be properly calibrated and maintained as necessary to ensure their continued accuracy.
12. Practical quantification limits shall be below the current Maximum Contaminant Levels listed in Title 22 of California Code of Regulations or Action Levels recommended by the California Department of Health Services, whenever it is possible.

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13. The following are the indicator parameters for this facility; chloride, sulfate, pH, total organic halides (TOX), chemical oxygen demand (COD), total organic carbon (TOC), and total dissolved solids(TDS).
14. Representative water samples from the compliance points shall be collected and analyzed, as discussed below. Routine semiannual sampling and analyses of groundwater for the detection monitoring program shall consist of the following monitoring wells IT-SA1, IT-SA2, IT-SA3, 4897A, 4897B, and 4887B:

<u>Groundwater Monitoring Parameters</u>	<u>Units</u>
COD	mg/l
TOX	mg/l
TOC	mg/l
TDS	mg/l
Chloride	mg/l
Sulfate	mg/l
Boron	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
Groundwater Elevation	feet above mean sea level

Once each year, during the Winter/Spring monitoring period, all wells shall be sampled and these samples analyzed for:

Groundwater Monitoring Parameters

- Volatiles*
- Semi-volatiles*
- Pesticides*
- PCB's*
- Metals**
- Biological Oxygen Demand
- Bicarbonate
- Carbonate
- Foaming Agents
- Herbicides
- Nitrate (as N)

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Nitrite
Oil and Grease
Sulfate
Sulfides
Total cyanide
Total phenols
Turbidity

*All peaks greater than 10% of the internal standard shall be identified and quantified for gas chromatography analyses.

** Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Hexavalent chromium, Lead, Magnesium, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Vanadium, and Zinc.

15. All metals analyses shall be for both the total metal and the dissolved phase. Duplicate samples shall be taken for constituents of concern metals analyses only. Unfiltered samples shall be tested for total metals, and field-filtered samples shall be taken for soluble metals utilizing a 0.45m filter and nitric acid; however, care shall be taken that the dissolved metals samples are not exposed to acids until after filtering.
16. Constituents detected between the method detection limits and the practical quantification limits must be reported, but may be reported as a trace. 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.

Reporting

17. The first monitoring report under this program is due by October 30, 2001.
18. Monitoring reports shall be submitted to the Regional Board in accordance with the following schedule:

<u>Period</u>	<u>Sampling Date</u>	<u>Reporting Date</u>
Winter/Spring (Annual)	April – September	October 30
Summer/Fall	October – March	April 30

Monitoring reports shall be submitted to:

**CITY OF LOS ANGELES – BUREAU OF SANITATION
SHELDON-ARLETA LANDFILL
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California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, California 90013
ATTN: Technical Services Unit

The Monitoring Report should reference File No. CI-2765 to facilitate routing to the appropriate staff and file.

19. The semiannual/annual monitoring reports shall summarize the essential monitoring program points. The City shall submit a compliance evaluation summary of the groundwater data obtained during each semiannual/annual monitoring period. The summary shall contain a table that includes monitoring parameters, detection limits of monitoring equipment, and measured concentrations found in the current sampling event. The reports shall include a discussion of any requirement violations found since the last such report was submitted and shall describe actions taken or planned for correcting the violations. If the City has previously submitted a detailed time schedule for correcting said requirement violations, a reference to the correspondence transmitting such schedule will be satisfactory. If no violations have occurred since the last submittal, this shall be stated in the reports.
20. By April 30 of each year, the City shall submit an annual report (included with the Winter/Spring Report) to the Regional Board that includes a thorough discussion of the compliance record for the site. In addition to tabular and graphical monitoring information, the annual report shall contain both time-series plots depicting concentration trends of routine monitoring parameters detected in groundwater and soil-pore gas samples during the previous year.
21. The City shall submit all monitoring data in hard copy form and also on computer diskette. In reporting the monitoring data, the City shall arrange the data in tabular form. The monitoring data submitted on diskette should be in ASCII format, and presented in a cumulative, updated form with each submittal.
22. If a well was not sampled (or measured) during the reporting period, the reason for the omission shall be given in the corresponding monitoring report. If no fluid was detected in a monitoring well, a statement to that affect (in lieu of analyses) shall be submitted.
23. Records of monitoring information in the semiannual/annual monitoring report shall include:

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- a. The date, exact place, procedure, and time of sampling or measurement;
 - b. The individual(s) who performed the sampling or measurement;
 - c. The date(s) analyses were performed on the samples;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used;
 - f. The results of the analyses or measurements, including both statistical and non-statistical analyses;
 - g. The method detection limits;
 - h. The executive summary of the key findings;
 - i. The laboratory QA/QC data and chain-of-custody records (except for annual reports); and
 - j. The laboratory certification information.
24. For every item where the requirements of this monitoring and reporting program are not met, the City 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.
25. If the City monitors any pollutants more frequently than required by this monitoring and reporting program, using the most recent version of Standard U.S. EPA methods, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the City's monitoring report. The increased frequency of monitoring shall also be reported.
26. For any analyses performed for which no procedures are specified in the U.S EPA guidelines or in the monitoring and reporting program, the constituent or parameter analyzed, and the method or procedure used, must be specified in the semiannual/annual monitoring report.
27. A report of any monitoring wells that have been decommissioned shall be included in the annual report.
28. The City may submit additional data to the Regional Board not required by this program in order to simplify reporting to other regulatory agencies.
29. Monitoring reports shall be signed by:
- a. In the case of corporations, by a principal executive officer at least of the level of vice-president or his duly authorized representative, if such

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representative is responsible for the overall operation of the facility from which the discharge originates;

- b. In the case of a partnership, by a general partner;
- c. In the case of a sole proprietorship, by the proprietor;
- d. In the case of a municipal, state or other public facility, by either a principal executive officer, ranking elected official or other duly authorized employee.

30. Each report shall contain the following completed declaration:

“I declare 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)

B. SITE POST-CLOSURE MAINTENANCE PROGRAM

The City shall perform routine inspections of the landfill site per the schedule listed in Finding No. 24(II) of Order No. 01-070 and report the results for any required inspection on a semi-annual basis on April 30 and October 30. The site post-closure maintenance report can be included in semi-annual/annual groundwater monitoring reports. The report shall contain information on the site's condition and a discussion of any significant findings with regard to:

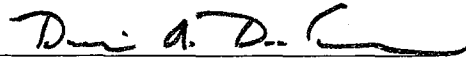
- a. General site conditions;
- b. Surface cover and slopes;
- c. Drainage facilities;

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- d. Groundwater and vadose zone monitoring networks;
- e. Landfill gas control system;
- f. Observation of seepage from the site; and
- g. Maintenance activities at the site.

Ordered by



DENNIS A. DICKERSON

Executive Officer

May 24, 2001