

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

ORDER NO. 80-58

REVISED WASTE DISCHARGE REQUIREMENTS  
FOR  
HALACO ENGINEERING COMPANY  
(File No. 70-24)

5673

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

1. Halaco Engineering Company (a corporation) originally discharged wastes under waste discharge requirements contained in Resolution No. 70-63 adopted by this Board on September 23, 1970.
2. The California Water Code, Section 13263(c) provides that all requirements shall be reviewed periodically and upon such review may be revised by the Regional Board.
3. Halaco Engineering Company operates a metal recycling plant at 6200 Perkins Road, Oxnard, California. The company recovers metals, principally aluminum, magnesium and lesser amounts of zinc, from metal drosses, skimmings, sludge, scrap, and aluminum cans. The recovery process uses a flux of chlorides of magnesium, sodium and potassium to effect separation of the metals from metal oxides and dirt contained in the raw materials. After the main recovery operation, the residual slag-like material is run through a washing process to recover additional salvageable metals. The waste washwater is discharged to a bermed unlined pond located on company property east of the operations plant immediately north of the coastal sand dunes and adjacent to the east bank of the Oxnard Industrial Drain flood control channel.  
The wastewater effluent is discharged into the northwest corner of the pond and flows around the inside perimeter allowing the solid residue to settle out. In addition to waste from the metal recovery operations, wastewater from an air scrubber is also discharged to the pond. Wastewater within the pond is pumped for reuse in the washing process. Make-up water is pumped from the Oxnard Industrial Drain for the washing process. About 22,000 tons of solid waste materials are settled out into the pond each year. The dikes or berms containing the pond are constructed of settled waste residue from the pond, and currently enclose an area of about 10 acres.
4. About 35 gallons per minute each of washer effluent and air scrubber wastewater are discharged to the pond on a 24-hour basis. Temperature of the wash water effluent may run as high as 100°F, the pond water temperature averages about 80°F.
5. Halaco Engineering Company owns approximately 15 acres of additional land along the east side of the Oxnard Industrial Drain, north of and contiguous to the north dike of the waste pond. Every few months settled solid wastes accumulated within the pond are excavated and disposed of on this parcel, which is not protected from flooding or erosion by runoff from tributary areas.

May 6, 1980  
Revised June 11, 1980  
Revised October 3, 1980  
Revised October 27, 1980

5. The Halaco discharge area totals about 25 acres and is located in Section 27, T1N, R22W, S.B.B. & M., within the Oxnard Hydrologic Subarea. The area is situated immediately landward of the coastal sand dunes in an area where, according to a survey map submitted by the discharger, the natural ground surface elevations vary from about zero to seven feet above sea level.
7. The Oxnard Industrial Drain traverses the Halaco Engineering Company property along the west side of the discharge area. The drain within this reach is unlined and may be subject to lateral infiltration by leachate from the discharge site.
3. The Oxnard Industrial Drain discharges to the ocean nearby.
9. The discharge site is underlain by a sequence of fine-grained sediments comprising sand, silt and clay. These deposits contain a semiperched groundwater body about 50 feet thick, historically containing water of poor mineral quality. The semiperched zone generally has a high water elevation requiring tile line drainage in agricultural areas in the vicinity. The drainage water in this vicinity is discharged to industrial drains and ditches tributary to the ocean.
1. The movement of ground water in the semiperched zone is generally toward the ocean, and any waste materials percolating into the semiperched water could reach nearshore coastal waters. To prevent or minimize migration of waste leachate into waters of the State, confining materials with permeabilities in a range  $10^{-6}$  to  $10^{-8}$  cm/sec have been found adequate.

The discharge areas, except receiving pond, do not have adequate protection from tributary runoff or inundation from flooding, nor are there adequate structures to confine wastes or leachate to the discharge areas. Also there is no monitoring system for determining whether the wastes or waste leachate are being prevented from reaching waters of the State.

2. The semiperched zone is separated from the top of the Oxnard aquifer by about 90 to 100 feet of aquitard made up of relatively impervious silt and clay deposits. These deposits are of low permeability and restrict or prevent the vertical movement of ground water to the Oxnard aquifer, which has been severely intruded by sea water over an extensive area.
3. The Board adopted a revised Water Quality Control Plan for Santa Clara River Basin on March 27, 1978. The Plan contains water quality objectives for surface and ground waters of the Oxnard Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
4. Because of its very poor mineral quality waters from the semiperched aquifer are not used for domestic, agricultural, or industrial water supply in any significant quantity.
5. Nearshore ocean waters are beneficially used for the preservation of marine habitat and rare and endangered species, contact and non-contact water recreation, shellfish harvesting, commercial and sport fishing, and navigation.

Based on the foregoing, the discharge may affect the waters of the State and as such is properly the subject of waste discharge requirements.

16. The Federal Clean Water Act provides for the issuance of National Pollutant Discharge Elimination System (NPDES) permits for the discharge of pollutants from a point source to the waters of the United States.
17. Federal regulations define waters of the United States to include waters currently used, used in the past, or susceptible to use in Interstate Commerce, as well as wetlands adjacent to such waters.
18. The Environmental Protection Agency (EPA), having found that Halaco's discharge is occurring in waters of the United States, has required Halaco either to submit an application for an NPDES permit or cease its discharge.
19. Halaco has filed an action in United States District Court, seeking a declaration that its discharge is not to the waters of the United States, and that EPA be enjoined from requiring an NPDES permit for the discharge.
20. This action in federal court could result in a lengthy delay in determining whether Halaco's discharge is subject to an NPDES permit.
21. To assure that water quality is protected pending the outcome of Halaco's challenge of whether Halaco is subject to NPDES permit requirements, it is appropriate to reissue waste discharge requirements through the authority contained in the Porter-Cologne Water Quality Control Act.
22. Adequate closure and subsequent site maintenance are necessary to prevent an adverse threat to the environment.
23. These revised waste discharge requirements regulate an ongoing disposal activity, and such activity is thereby exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Section 21000 et seq.) in accordance with Section 15070(b)(3), Chapter 3, Title 14, California Administrative Code.

The Board has transmitted a draft of this tentative Order to the discharger and to interested agencies and persons and has notified them of its intent to prescribe revised waste discharge requirements for this disposal site.

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

IT IS HEREBY ORDERED, that Halaco Engineering Company shall comply with the following:

A. WASTE DISCHARGE REQUIREMENTS

1. Wastes discharged at this site shall be limited to those originating at this facility from aluminum, magnesium and zinc recycling operations and from related air scrubber processes.
2. The waste discharge shall be limited to the existing disposal site (approximately 25-acre portion of the discharger's property adjacent to and east of the Oxnard Industrial Drain and immediately north of the coastal sand dunes) as defined in the map required by Provision B.1.

3. The discharge of liquid wastes shall be limited to the existing settling pond.
4. No radioactive wastes shall be discharged at this site.
5. Positive hydraulic barriers with permeabilities of  $1 \times 10^{-6}$  cm/sec or less shall be provided beneath and around the settling pond and around the berms or expanded berms. The berms themselves may fulfill this requirement for the lateral barriers of the permeability criteria. Likewise, evidence which proves that the soils beneath the pond satisfies the permeability criteria will fulfill the vertical barrier requirement. The barriers shall prevent:
- Wastes or waste leachate from contact with or percolation to ground waters;
  - Lateral migration or escape of ~~wastes~~ or waste leachate to any watercourse, drainage channel, or the coastal waters; and
  - Escape of waste or waste leachate to land under circumstances that the waters of the State may be affected.
6. The barriers constructed to prevent lateral migration shall be equipped with collection drains and sumps to intercept all seepage for return to the discharge site or removal to a legal point of disposal.
7. Surface runoff from areas tributary to this site and runoff from rain falling directly on the site and on the berms shall be prevented from eroding the berms or carrying waste material from the site.
8. Waste handling, treatment, discharge and storage areas shall be protected against 100-year floods and against tides.
9. If wastes discharged from this operation are used in the construction of the containment dikes or berms, leachate from rain falling on and percolating through the dikes or berms shall be prevented from flowing to areas outside the site.
10. Sufficient freeboard (vertical distance from the surface of the liquid in the discharge pond to the lowest point of the top of the containment berms or dikes) shall be maintained to prevent overtopping at any time from conditions resulting from a once in 25-year storm.

11. Wastes discharged shall not affect waters of the State such that a pollution would result.
12. Neither the disposal nor handling of any waste at this site shall cause pollution or nuisance.
13. Wastes not discharged at this site, or wastes removed from this site for disposal elsewhere in this Region, shall be disposed of at a legal disposal site. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by this regional water quality control board and which is in full compliance therewith.
14. Raw and processed materials, chemicals, or wastes associated with this operation shall not be stored on discharger's property in a manner such that rainwater could produce a leachate containing pollutionable materials to be carried off the property such that it could affect the waters of the State.

#### B. PROVISIONS

1. Within 60 days after the adoption of this Order the discharger shall furnish to this Board a map prepared under supervision of a registered engineer or licensed surveyor showing the location and boundaries of the existing discharge site.
2. Within 60 days of the adoption of this Order, the discharger shall submit, for approval of the Executive Officer, a detailed operations plan. This plan shall include measures for modifying the discharge facilities, as necessary, in order to comply with the above requirements. The plan shall include, but not be limited to, specific locations, detail drawings and design specifications for the barriers, including core depths, compaction, permeability and earthquake and flood structural stability; details of required wells for monitoring the semiperched water zone, including locations, diameter and total depth of each well, drilling logs, sizes and depths of casing, perforated intervals, and procedure proposed for sampling the wells.

The operations plan shall include at least the following:

1. Description of the waste materials anticipated to be received;
2. A map showing the boundaries of the disposal site and waste disposal areas;
3. General description of disposal site operations;
4. Detailed hydrological and geological data for the disposal area;
5. Measures proposed for control of drainage, leachate and gases;
6. Anticipated land use after termination of disposal operations.

If any information required to be in the plan has been previously furnished, such information may be incorporated therein by specific reference.

3. All construction and/or modifications undertaken under Provision 2, including construction of required monitoring wells, shall be completed within a reasonable time after the date of approval of the plans by the Executive Officer. The schedule for any such work shall be approved by the Executive Officer. The discharger shall submit quarterly reports of progress by the 15th day of each calendar quarter.
4. The discharger shall maintain a copy of this Order at the discharge site so as to be available at all times to site operating personnel.
5. The discharger shall file with this 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 the proposed change. This does not apply to dredging of the settling pond which results in the widening of the surrounding berm as long as it is within the confines of the Halaco property.
5. The discharger shall notify this Board by telephone within 24 hours of any adverse condition as a result of this discharge; written confirmation of this notification shall follow within one week. The written confirmation shall detail the circumstances causing the adverse condition, the steps taken to correct the problem and the dates thereof, and the steps taken or to be taken to prevent the problem from recurring.
7. In the event of any change in name of operator or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:
  - a. Notify this Board of such change; and
  - b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Board, of the existence of this Order.

Change in control or ownership as used in this provision does not have reference to a sale of stock of the company by way of an acquisition, merger or reorganization which results in the corporate entity, Halaco, continuing to operate its present business.

3. Not later than six months prior to discontinuing the use of this site for waste disposal, the discharger shall submit a technical report to this Regional Board describing termination of operations. The report shall include the methods and controls to be used to assure protection of the quality of the surface and groundwaters of the area during final operations and with any proposed subsequent use of the land. This report shall be prepared by or under the supervision of a registered engineer or a certified engineering geologist. The technical report shall describe at least the following items:
  - (a) The boundaries of areas used for waste disposal, accompanied by a map of the disposal site;
  - (b) Method of control of surface drainage flow through the site;

- (c) Evaluation of the anticipated settlement due to decomposition and consolidation of the wastes;
- (d) Manner of surface drainage and leachate control in waste disposal areas;
- (e) Cover thickness and physical properties including permeability, expansion characteristics, and erodibility;
- (f) Relationship of waste disposal area to underlying groundwater quality;
- (g) Location of groundwater monitoring points;
- (h) Proposed subsequent use of the land;
- (i) Estimate of the useful site life.
- (j) A discussion and evaluation of alternative methods of site closure and subsequent maintenance, and a recommendation regarding the most practicable method of closure and maintenance which will pose no adverse threat to the environment.
- (k) The estimated cost for alternative methods of site closure and for subsequent maintenance of the site for the active life of the waste, and a detailed financial plan which adequately provides for the financing of the recommended method of site closure and maintenance.
- (l) Such other relevant information which the Regional Board may request in writing.

9. In accordance with the California Water Code, 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.

10. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations or ordinances which may be applicable. The requirements are not a permit; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.

11. Discharges made pursuant to these waste discharge requirements are made under privilege and shall not create a vested right to continue such discharges.

12. In accordance with Section 13263 of the Water Code, these requirements are subject to periodic review and revision by this Regional Board.

- 13. Resolution No. 70-63, adopted by this Board on September 23, 1970, is hereby rescinded.

, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on October 27, 1980.

*Raymond M Hertel*  
\_\_\_\_\_  
RAYMOND M. HERTEL, Executive Officer



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
MONITORING AND REPORTING PROGRAM NO. 5673  
FOR

Halaco Engineering Company  
(File No. 70-24)

1. The Halaco Engineering Company shall file quarterly monitoring reports with the Board. The first monitoring report under this program is due February 1, 1981.

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

<u>Reporting Period</u>	<u>Report Due</u>
January - March	May 1
April - June	August 1
July - September	November 1
October - December	February 1

2. Location of Monitoring and Sampling Stations  
The monitoring and sampling stations shall consist of three wells clearly identified, two surface stations, one effluent station located as follows:

Monitoring and Sampling Locations\*

- a. Well No. 1; in the vicinity northeast corner of the solid waste discharge area north of the effluent receiving pond.
- b. Well No. 2; outside the east dike of the receiving pond at about the midpoint of the length of the east dike.
- c. Well No. 3; south of the receiving pond.
- d. Surface Station No. 1; in the Oxnard Industrial Drain, 100 feet upstream (upcurrent) from the discharger's north property line.
- e. Surface Station No. 2, in the Oxnard Industrial Drain 15 feet downstream (downcurrent) from the southwesterly corner of the receiving pond.
- f. Discharge outlet (May be combined into a single sample composited according to flow rates from the respective discharge outlets).

In the event standing water is observed (from whatever source) outside and within 25 feet of the containment dikes or berms, that water shall be sampled and subjected to the same type of analysis as other samples with addition of analysis for TDS.

\*Monitoring well locations shall only be changed with prior approval by the Executive Officer.

Well Accessibility and Protection

Monitoring wells shall be readily accessible, and shall be properly maintained to provide adequate protection from both structural damage and from damage by pollutants entering from sources other than from the zone being monitored.

## 3. Types, Frequency, and Techniques of Sampling and Analysis

Samples of ground and surface waters shall be obtained as follows:

3 Wells and 1 effluent discharge to pond shall be sampled semiannually each March and September. 2 Surface water stations shall be sampled bimonthly in January, March, May, July, September, and November, and under conditions of approximately slack tide.

<u>Parameter</u>	<u>Unit</u>
Temperature ✓	°F
pH ✓	pH units
Electrical conductivity ✓	μ mhos
Aluminum	mg/l
Copper	mg/l
Magnesium	mg/l
Zinc	mg/l
Oil & Grease ✓	mg/l
Radioactivity* <i>rad</i>	PCi/l

## 4. The reports shall contain the following information:

- a. Analyses as specified in Item <sup>3</sup>/<sub>2</sub>.
- b. Groundwater elevation in wells Nos. 2 & 3, at time of sampling.
- c. The quantity of waste discharged during each calendar month to the receiving pond.
- d. The quantity of water pumped monthly from the pond for use in the plant operations.
- e. Quantity of residue removed from the pond and deposited on the disposal site north of the pond (in cubic yards).
- f. Tide stage at time of each surface water sampling.

\* Radioactivity analysis from effluent discharge only.

- g. Results of daily inspection of the site perimeter to determine whether any leakage has occurred to outside the disposal area.
- h. Certification that all wastes discharges were in compliance with the Board's requirements and that no wastes have been deposited or allowed to escape outside the site boundaries as specified in the Board's requirements.

#### 5. General Reporting Conditions

- a. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency, except as otherwise specified.
- b. All analyses shall be conducted at a laboratory certified for such analysis by the Department of Health Services.
- c. In reporting the monitoring data, the data shall be arranged in tabular form.
- d. If no wastes were discharged to the pond, or deposited to the disposal site north of the pond, the report shall so state.
- e. Any violation of waste discharge requirements during the reporting period shall be reported by the discharger. If a violation occurs, the discharger shall submit a complete statement of the circumstances which caused the violation and of the actions taken or proposed to achieve compliance with the requirements and to prevent recurrence of similar incidents.
- f. If wastes are transported to a different disposal site, the name and address of the waste hauler, type and quantity of each waste transported, and the location of the final disposal site, shall be reported. If no wastes are transported during the reporting period a statement to that effect shall be included in the report.
- g. An annual report shall be filed by February 1, of each year, and shall summarize the information for the previous year, and discuss the compliance record.

n. All reports shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

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

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

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

Ordered by *Raymond M. Herlep*  
Executive Officer

OCT 29 1980

\_\_\_\_\_  
Date

RMH:jl

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—  
ANGELES REGIONSOUTH BROADWAY, SUITE 4027  
ANGELES, CALIFORNIA 90012-4566  
4460

June 27, 1986

Mr. Les Fine  
Halaco Engineering Co.  
6200 Perkins Road  
Oxnard, CA 93030SUPPLEMENT TO MONITORING AND REPORTING  
PROGRAM NO. 5673 (File No. 70-24)

Reference is made to the current Monitoring and Reporting Program for your waste discharge. As a supplement to that program, you are directed to institute the attached short-term monitoring program in August 1986. Monitoring reports are to be submitted to the Regional Board by the first day of the second following month.

Please submit the results from this supplemental monitoring as separate reports and do not include them with your regular monitoring reports. Also, please supply a copy of the reports to the Environmental Protection Agency as you do with your regular monitoring.

If you have any questions, please call Hubert Kang at (213) 620-5469.

*Robert P. Ghirelli*

ROBERT P. GHIRELLI, D. Env.  
Executive Officercc: SWRCB, DWQ, attn: Archie Matthews  
EPA, Reg. 9, Administrative Service Division (W-5-1)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
MONITORING AND REPORTING PROGRAM NO. 5673  
FOR  
Halaco Engineering Co.  
(File No. 70-24)

Supplemental Monitoring for Priority Pollutants

In addition to the regular Monitoring Program, beginning in August 1986, the discharger shall obtain representative samples at each effluent sampling station and analyze the samples for all the Environmental Protection Agency's Priority Pollutants and for additional pollutants listed on Attachment A. This sampling and analysis program shall be repeated in November 1986. The results of each monitoring shall be submitted to the Board by October 1, 1986, and January 1, 1987, respectively. If there was no discharge during the designated month, the report shall so state and sampling shall be attempted monthly thereafter until successful. If the August sampling should be unsuccessful, the second sampling shall take place three months following the month of the first sample.

Ordered by:

*Robert P. Ghirelli*  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date: June 27, -1986

ATTACHMENT A

List of Additional Pollutants

Alachlor	EPA 632.HPLC
Aldicarb	EPA 632.HPLC
Barium	EPA 208.AA
Carbofuran	EPA 632.HPLC
2,4-D	EPA 615.GC
DBCP	EPA 608.GCECD
1,2-DCE cis-	EPA 624.GCMS
Dichloropropane	EPA 624.GCMS
p-Dioxane	EPA 625.GCMS
Ethylene dibromide	EPA 601.GCHALL
Hexane	EPA 624.GCMS
Methoxychlor	EPA 608.GC
Methyl ethyl ketone	EPA 624.GCMS
Nitrate/Nitrite	EPA 352,353
Oxamyl	EPA 632.HPLC
Styrene	EPA 624.GCMS
2,4,5-TP	EPA 615.GC
Xylene	EPA 624.GCMS

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  - a. Wastes or waste leachate from contact with or percolation to ground waters;
  - b. Lateral migration or escape of wastes or waste leachate to any watercourse, drainage channel, or the coastal waters; and
  - c. Escape of waste or waste leachate to land under circumstances that the waters of the State may be affected.
6. The barriers constructed to prevent lateral migration shall be equipped with collection drains and sumps to intercept all seepage for return to the discharge site or removal to a legal point of disposal.
7. Surface runoff from areas tributary to this site and runoff from rain falling directly on the site and on the berms shall be prevented from eroding the berms or carrying waste material from the site.
8. Waste handling, treatment, discharge and storage areas shall be protected against 100-year floods and against tides.
9. If wastes discharged from this operation are used in the construction of the containment dikes or berms, leachate from rain falling on and percolating through the dikes or berms shall be prevented from flowing to areas outside the site.
10. Sufficient freeboard (vertical distance from the surface of the liquid in the discharge pond to the lowest point of the top of the containment berms or dikes) shall be maintained to prevent overtopping at any time from conditions resulting from a once in 25-year storm.

11. Wastes discharged shall not affect waters of the State such that a pollution would result.
12. Neither the disposal nor handling of any waste at this site shall cause pollution or nuisance.
13. Wastes not discharged at this site, or wastes removed from this site for disposal elsewhere in this Region, shall be disposed of at a legal disposal site. For the purpose of this requirement, a legal point of disposal is defined as one for which waste discharge requirements have been prescribed by this regional water quality control board and which is in full compliance therewith.
14. Raw and processed materials, chemicals, or wastes associated with this operation shall not be stored on discharger's property in a manner such that rainwater could produce a leachate containing pollutionable materials to be carried off the property such that it could affect the waters of the State.

#### B. PROVISIONS

1. Within 60 days after the adoption of this Order the discharger shall furnish to this Board a map prepared under supervision of a registered engineer or licensed surveyor showing the location and boundaries of the existing discharge site.
2. Within 60 days of the adoption of this Order, the discharger shall submit, for approval of the Executive Officer, a detailed operations plan. This plan shall include measures for modifying the discharge facilities, as necessary, in order to comply with the above requirements. The plan shall include, but not be limited to, specific locations, detail drawings and design specifications for the barriers, including core depths, compaction, permeability and earthquake and flood structural stability; details of required wells for monitoring the semiperched water zone, including locations, diameter and total depth of each well, drilling logs, sizes and depths of casing, perforated intervals, and procedure proposed for sampling the wells.

The operations plan shall include at least the following:

1. Description of the waste materials anticipated to be received;
2. A map showing the boundaries of the disposal site and waste disposal areas;
3. General description of disposal site operations;
4. Detailed hydrological and geological data for the disposal area;
5. Measures proposed for control of drainage, leachate and gases;
6. Anticipated land use after termination of disposal operations.

If any information required to be in the plan has been previously furnished, such information may be incorporated therein by specific reference.

3. All construction and/or modifications undertaken under Provision 2, including construction of required monitoring wells, shall be completed within a reasonable time after the date of approval of the plans by the Executive Officer. The schedule for any such work shall be approved by the Executive Officer. The discharger shall submit quarterly reports of progress by the 15th day of each calendar quarter.
4. The discharger shall maintain a copy of this Order at the discharge site so as to be available at all times to site operating personnel.
5. The discharger shall file with this 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 the proposed change. This does not apply to dredging of the settling pond which results in the widening of the surrounding berm as long as it is within the confines of the Halaco property.
6. The discharger shall notify this Board by telephone within 24 hours of any adverse condition as a result of this discharge; written confirmation of this notification shall follow within one week. The written confirmation shall detail the circumstances causing the adverse condition, the steps taken to correct the problem and the dates thereof, and the steps taken or to be taken to prevent the problem from recurring.
7. In the event of any change in name of operator or in control or ownership of land or waste disposal facilities owned or controlled by the discharger, the discharger shall:
  - a. Notify this Board of such change; and
  - b. Notify the succeeding owner or operator by letter, a copy of which shall be filed with this Board, of the existence of this Order.

Change in control or ownership as used in this provision does not have reference to a sale of stock of the company by way of an acquisition, merger or reorganization which results in the corporate entity, Halaco, continuing to operate its present business.


3. Not later than six months prior to discontinuing the use of this site for waste disposal, the discharger shall submit a technical report to this Regional Board describing termination of operations. The report shall include the methods and controls to be used to assure protection of the quality of the surface and groundwaters of the area during final operations and with any proposed subsequent use of the land. This report shall be prepared by or under the supervision of a registered engineer or a certified engineering geologist. The technical report shall describe at least the following items:
  - (a) The boundaries of areas used for waste disposal, accompanied by a map of the disposal site;
  - (b) Method of control of surface drainage flow through the site;

- (c) Evaluation of the anticipated settlement due to decomposition and consolidation of the wastes;
  - (d) Manner of surface drainage and leachate control in waste disposal areas;
  - (e) Cover thickness and physical properties including permeability, expansion characteristics, and erodibility;
  - (f) Relationship of waste disposal area to underlying groundwater quality;
  - (g) Location of groundwater monitoring points;
  - (h) Proposed subsequent use of the land;
  - (i) Estimate of the useful site life.
  - (j) A discussion and evaluation of alternative methods of site closure and subsequent maintenance, and a recommendation regarding the most practicable method of closure and maintenance which will pose no adverse threat to the environment.
  - (k) The estimated cost for alternative methods of site closure and for subsequent maintenance of the site for the active life of the waste, and a detailed financial plan which adequately provides for the financing of the recommended method of site closure and maintenance.
- (l) Such other relevant information which the Regional Board may request in writing.

9. In accordance with the California Water Code, 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.
10. These requirements do not exempt the operator of this waste disposal facility from compliance with any other laws, regulations or ordinances which may be applicable. The requirements are not a permit; they do not legalize this waste disposal facility, and they leave unaffected any further restraints on the disposal of wastes at this site which may be contained in other statutes or required by other agencies.
11. Discharges made pursuant to these waste discharge requirements are made under privilege and shall not create a vested right to continue such discharges.
12. In accordance with Section 13263 of the Water Code, these requirements are subject to periodic review and revision by this Regional Board.

- 13. Resolution No. 70-63, adopted by this Board on September 23, 1970, is hereby rescinded.

, Raymond M. Hertel, Executive Officer, do hereby certify that the foregoing is full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on October 27, 1980.

  
\_\_\_\_\_  
RAYMOND M. HERTEL, Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
MONITORING AND REPORTING PROGRAM NO. 5673  
FOR

Halaco Engineering Company  
(File No. 70-24)

1. The Halaco Engineering Company shall file quarterly monitoring reports with the Board. The first monitoring report under this program is due February 1, 1981.

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

<u>Reporting Period</u>	<u>Report Due</u>
January - March	May 1
April - June	August 1
July - September	November 1
October - December	February 1

2. Location of Monitoring and Sampling Stations

The monitoring and sampling stations shall consist of three wells clearly identified, two surface stations, one effluent station located as follows:

Monitoring and Sampling Locations\*

- a. Well No. 1; in the vicinity northeast corner of the solid waste discharge area north of the effluent receiving pond.
- b. Well No. 2; outside the east dike of the receiving pond at about the midpoint of the length of the east dike.
- c. Well No. 3; south of the receiving pond.
- d. Surface Station No. 1; in the Oxnard Industrial Drain, 100 feet upstream (upcurrent) from the discharger's north property line.
- e. Surface Station No. 2, in the Oxnard Industrial Drain 15 feet downstream (downcurrent) from the southwesterly corner of the receiving pond.
- f. Discharge outlet (May be combined into a single sample composited according to flow rates from the respective discharge outlets).

In the event standing water is observed (from whatever source) outside and within 25 feet of the containment dikes or berms, that water shall be sampled and subjected to the same type of analysis as other samples with addition of analysis for TDS.

\*Monitoring well locations shall only be changed with prior approval by the Executive Officer.



Well Accessibility and Protection

The monitoring wells shall be readily accessible, and shall be properly maintained to provide adequate protection from both structural damage and from damage by pollutants entering from sources other than from the zone being monitored.

## 3. Types, Frequency, and Techniques of Sampling and Analysis

Samples of ground and surface waters shall be obtained as follows:

3 Wells and 1 effluent discharge to pond shall be sampled semiannually each March and September. 2 Surface water stations shall be sampled bimonthly in January, March, May, July, September, and November, and under conditions of approximately slack tide.

<u>Parameter</u>	<u>Unit</u>
Temperature ✓	°F
pH	pH units
Electrical conductivity ✓	μ mhos
Aluminum	mg/l
Copper	mg/l
Magnesium	mg/l
Zinc	mg/l
Oil & Grease ✓	mg/l
Radioactivity* <i>rad</i>	PCi/l

## 4. The reports shall contain the following information:

- a. Analyses as specified in Item <sup>3</sup>/<sub>2</sub>.
- b. Groundwater elevation in wells Nos. 2 & 3, at time of sampling.
- c. The quantity of waste discharged during each calendar month to the receiving pond.
- d. The quantity of water pumped monthly from the pond for use in the plant operations.
- e. Quantity of residue removed from the pond and deposited on the disposal site north of the pond (in cubic yards).
- f. Tide stage at time of each surface water sampling.

\* Radioactivity analysis from effluent discharge only.

- g. Results of daily inspection of the site perimeter to determine whether any leakage has occurred to outside the disposal area.
- h. Certification that all waste discharges were in compliance with the Board's requirements and that no wastes have been deposited or allowed to escape outside the site boundaries as specified in the Board's requirements.

#### 5. General Reporting Conditions

- a. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency, except as otherwise specified.
- b. All analyses shall be conducted at a laboratory certified for such analysis by the Department of Health Services.
- c. In reporting the monitoring data, the data shall be arranged in tabular form.
- d. If no wastes were discharged to the pond, or deposited to the disposal site north of the pond, the report shall so state.
- e. Any violation of waste discharge requirements during the reporting period shall be reported by the discharger. If a violation occurs, the discharger shall submit a complete statement of the circumstances which caused the violation and of the actions taken or proposed to achieve compliance with the requirements and to prevent recurrence of similar incidents.
- f. If wastes are transported to a different disposal site, the name and address of the waste hauler, type and quantity of each waste transported, and the location of the final disposal site, shall be reported. If no wastes are transported during the reporting period a statement to that effect shall be included in the report.
- g. An annual report shall be filed by February 1, of each year, and shall summarize the information for the previous year, and discuss the compliance record.

h. All reports shall contain the following completed declaration:

"I declare under penalty of perjury that the foregoing is true and correct.

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

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

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

Ordered by *Raymond M. Herlep*  
Executive Officer

OCT 29 1980

\_\_\_\_\_  
Date

RMH:jl



CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
LOS ANGELES REGION  
MONITORING AND REPORTING PROGRAM NO. 5673  
FOR  
Halaco Engineering Co.  
(File No. 70-24)

Supplemental Monitoring for Priority Pollutants

In addition to the regular Monitoring Program, beginning in August 1986, the discharger shall obtain representative samples at each effluent sampling station and analyze the samples for all the Environmental Protection Agency's Priority Pollutants and for additional pollutants listed on Attachment A. This sampling and analysis program shall be repeated in November 1986. The results of each monitoring shall be submitted to the Board by October 1, 1986, and January 1, 1987, respectively. If there was no discharge during the designated month, the report shall so state and sampling shall be attempted monthly thereafter until successful. If the August sampling should be unsuccessful, the second sampling shall take place three months following the month of the first sample.

Ordered by:

*Robert P. Ghirelli*  
ROBERT P. GHIRELLI, D.Env.  
Executive Officer

Date: June 27, -1986

ATTACHMENT A

List of Additional Pollutants

Alachlor	EPA 632.HPLC
Aldicarb	EPA 632.HPLC
Barium	EPA 208.AA
Carbofuran	EPA 632.HPLC
2,4-D	EPA 615.GC
DBCP	EPA 608.GCECD
1,2-DCE cis-	EPA 624.GCMS
Dichloropropane	EPA 624.GCMS
p-Dioxane	EPA 625.GCMS
Ethylene dibromide	EPA 601.GCHALL
Hexane	EPA 624.GCMS
Methoxychlor	EPA 608.GC
Methyl ethyl ketone	EPA 624.GCMS
Nitrate/Nitrite	EPA 352,353
Oxamyl	EPA 632.HPLC
Styrene	EPA 624.GCMS
2,4,5-TP	EPA 615.GC
Xylene	EPA 624.GCMS