

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
 CENTRAL COAST REGION
 1102-A Laurel Lane
 San Luis Obispo, California 93401

Agency: Celite Corp/lo
 Allegheny Corp

ORDER NO. 88-111

WASTE DISCHARGE REQUIREMENTS
 FOR
 MANVILLE PRODUCTS CORPORATION
LOMPOC PLANT/FILTRATION AND MINERALS DIVISION
SANTA BARBARA COUNTY

The California Regional Water Quality Control Board, Central Coast Region, (hereafter Board), finds:

1. H. Keefe, vice-President-Filtration and Minerals Division, filed a Report of Waste Discharge on April 14, 1988, in accordance with Section 13260 of the California Water Code. The report was filed on behalf of Manville Products Corporation for authorization to discharge treated domestic wastewater within the Santa Ynez sub-basin.
2. Manville Products Corporation (hereafter Discharger), 2500 Miguelito Road, Lompoc, CA 93436, owns and operates a primary wastewater treatment and disposal facility located east of Miguelito Road approximately two miles south of the City of Lompoc. The facilities are in Section 15, T6N, R34W, SB B&M, as shown on Attachments "A" and "B" of this order.
3. An average of 8,330 gallons-per-day (32 m³/day) of domestic wastewater will be treated at this facility. The treatment facility consists of a 25,000 gallon Imhoff tank. Wastewater is discharged to a main leachfield containing 1,660 lineal feet of trench. An alternate field with 640 feet of trench is also constructed. Peak daily flow is estimated to be 10,440 gallons-per-day (40 m³/day).
4. The Discharger is in the process of completing a 22 person on-site laboratory facility (Research and Development Laboratory). This facility will impose additional nonhazardous laboratory sink (rinsewaters) and domestic waste discharges on the existing wastewater treatment and subsurface disposal system. Estimated volume of laboratory rinsewaters will be approximately 775 gallons-per-day and volume of domestic wastewater is estimated to be 225 gallons-per-day. In order to accommodate wastewater loads listed in Finding 3., two measures are proposed: installation of low flow toilet and urinal fixtures in existing restroom areas; and, placing the reserve disposal field into regular operation by alternating with the main field for use on weekends.

5. The Discharger's mining wastes are classified as Group "C" in accordance with the California Code of Regulations, Title 23, Chapter 3, Subchapter 15, Article 7. Regulation of these wastes has been conditionally waived by the Board.
6. The leachfields are located on level topography consisting of diatomaceous earth (very soft siltstone) soils to a depth of eight feet underlain by silt. Depth to ground water underlying the leachfield area was 14.5 feet in a boring drilled on March 25, 1988. A water sample analyzed from Well #27, shown on Attachment "A", on April 12, 1988, had the following characteristics:

Total Dissolved Solids	1124 mg/l
Sodium	91 mg/l
Chloride	142 mg/l
Nitrate (as NO ₃)	3 mg/l
pH	7.2 units
7. Surface drainage from the site flows in a northwesterly direction into Miguelito Creek.
8. The Water Quality Control Plan, Central Coastal Basin, (Besin Plan) was adopted by the Board on March 14, 1975, and approved by the State Water Resources Control Board on March 20, 1975. The Basin Plan incorporates statewide plans and policies by reference and contains a strategy for protecting beneficial uses of State waters.
9. Present and anticipated beneficial uses of groundwater in the vicinity of the discharge include: domestic water supply; agricultural water supply; industrial process supply; and, industrial service supply.
10. Presumed beneficial uses of Miguelito Creek that could be affected by the discharge include: wildlife habitat and non-contact water recreation.
11. These waste discharge requirements govern waste discharges from a new on-site laboratory facility, as such are exempt from provisions of the California Environmental Quality Act (Public Resources Code, Section 21000, et seq.) in accordance with Section 15303, Chapter 3, Title 14, of the California Code of Regulations.
12. Discharge of waste is a privilege, not a right, and authorization to discharge is conditional upon the discharge complying with provisions of Division 7 of the California Water Code and any more stringent effluent limitations necessary to implement water quality control plans, to protect beneficial uses, and to prevent nuisance. Compliance with this Order should assure this and mitigate any potential adverse changes in water quality due to the discharge.

13. On May 16, 1988, the Board notified the Discharger and interested agencies and persons of its intent to issue waste discharge requirements for the discharge and has provided them with a copy of the proposed order and an opportunity to submit written views and comments.
14. After considering all comments pertaining to this discharge during a public hearing on July 8, 1988, this Order was found consistent with the above findings.

IT IS HEREBY ORDERED, pursuant to authority in Section 13263 of the California Water Code, Manville Products Corporation, its agents, successors, and assigns, may discharge waste at its Lompoc Plant/Filtration and Minerals Division providing compliance is maintained with the following:

(Note: other prohibitions and conditions, definitions, and the method of determining compliance are contained in the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984. Applicable paragraphs are referenced in paragraph D.2. of this Order.)

A. Prohibitions

1. Discharge to areas other than leachfield areas shown in Attachments "A" and "B", is prohibited.
2. Discharge of any wastes, including overflow, bypass, and seepage from transport, treatment, or disposal systems, to adjacent drainageways, Miguelito Creek, or adjacent properties is prohibited.
3. Bypass of the treatment facilities and discharge of untreated or partially treated wastes directly to leachfields is prohibited.
4. Discharge to the treatment and disposal system of any waste other than domestic wastewater and laboratory rinsewaters is prohibited.

B. Discharge Specifications

1. Daily flow averaged over each month shall not exceed 8,330 gallons (32 m³). Maximum daily flow shall not exceed 10,440 gallons (40 m³).
2. Effluent discharged to leachfields shall not exceed the following limitations:

<u>Constituent</u>	<u>Units</u>	<u>Maximum</u>
Total Suspended Solids	mg/l	120
Settleable Solids	ml/l	0.7
Total Dissolved Solids	mg/l	Water Supply +300
Antimony	mg/l	15
Arsenic	mg/l	5
Barium	mg/l	100
Cadmium	mg/l	1
Chromium (Hexavalent)	mg/l	5
Cobalt	mg/l	80
Copper	mg/l	25
Lead	mg/l	5
Mercury	mg/l	0.2
Nickel	mg/l	20
Selenium	mg/l	1
Silver	mg/l	5
Zinc	mg/l	250

3. Effluent discharged to leachfields shall not have a pH less than 6.5 or greater than 8.4.
4. Extraneous surface drainage shall be diverted away from the vicinity of the leachfields.
5. Wastewater shall be periodically switched to alternate leachfields. Also, leachfields shall be alternated when inspection pipes reveal a high water level.

C. Ground Water Limitations

1. The discharge shall not cause nitrate concentrations in the groundwater downgradient of the disposal area to exceed 8 mg/l (as N).
2. The discharge shall not cause a significant increase of mineral constituent concentrations in underlying groundwaters.
3. The discharge shall not cause concentrations of chemicals and radionuclides in groundwater to exceed limits set forth in Title 22, Chapter 15, Articles 4 and 5 of the California Code of Regulations.

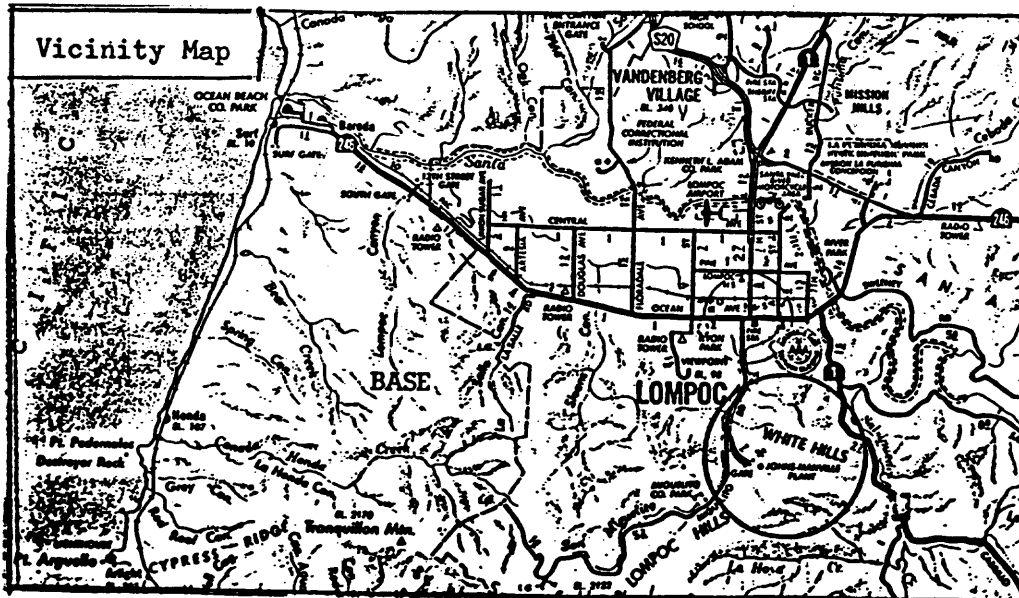
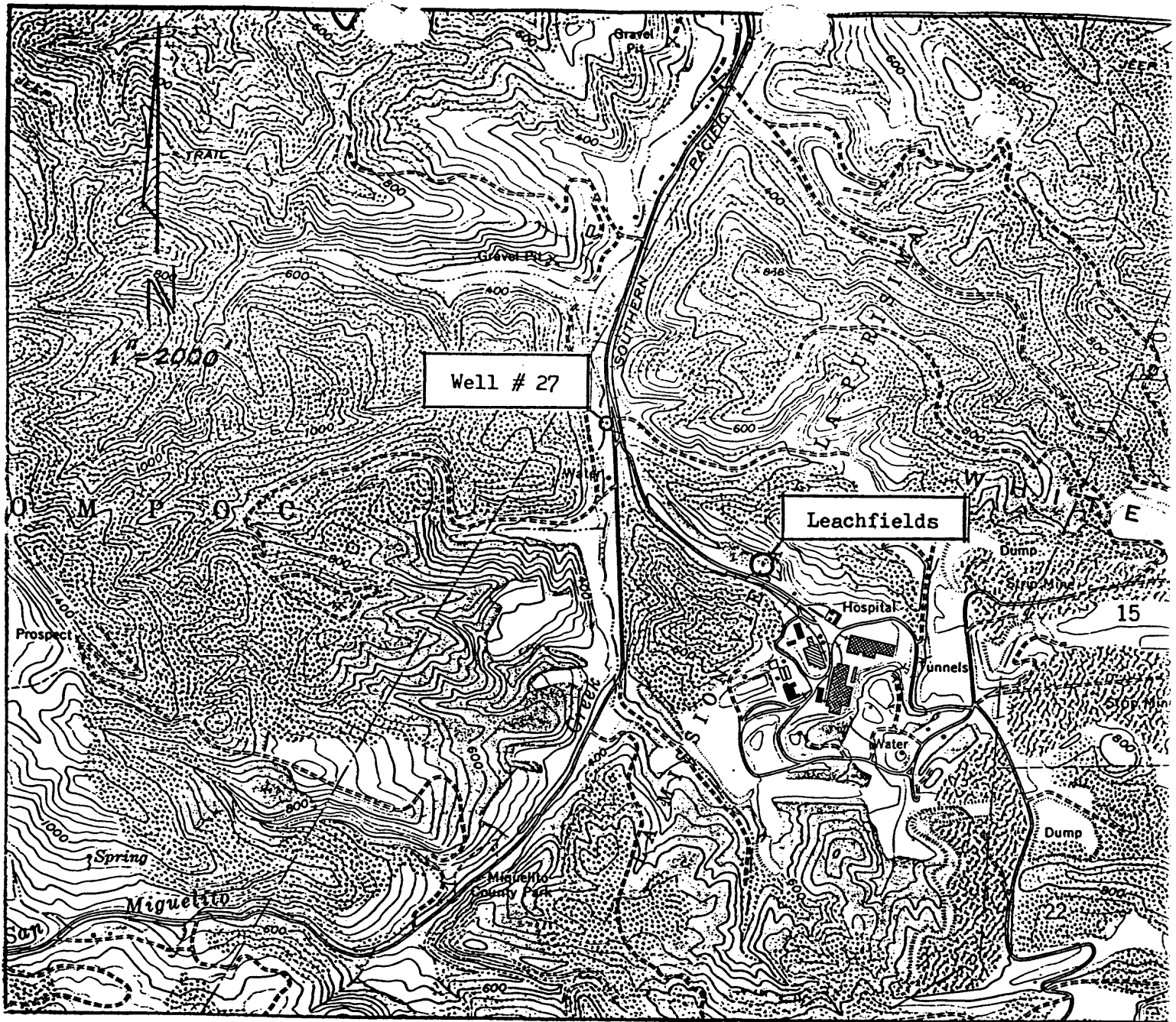
D. Provisions

1. Discharger shall comply with "Monitoring and Reporting Program No. 88-111", as specified by the Executive Officer.
2. Discharger shall comply with all items of the attached "Standard Provisions and Reporting Requirements for Waste Discharge Requirements" dated January, 1984; except items A.11., A.17., and C.16.

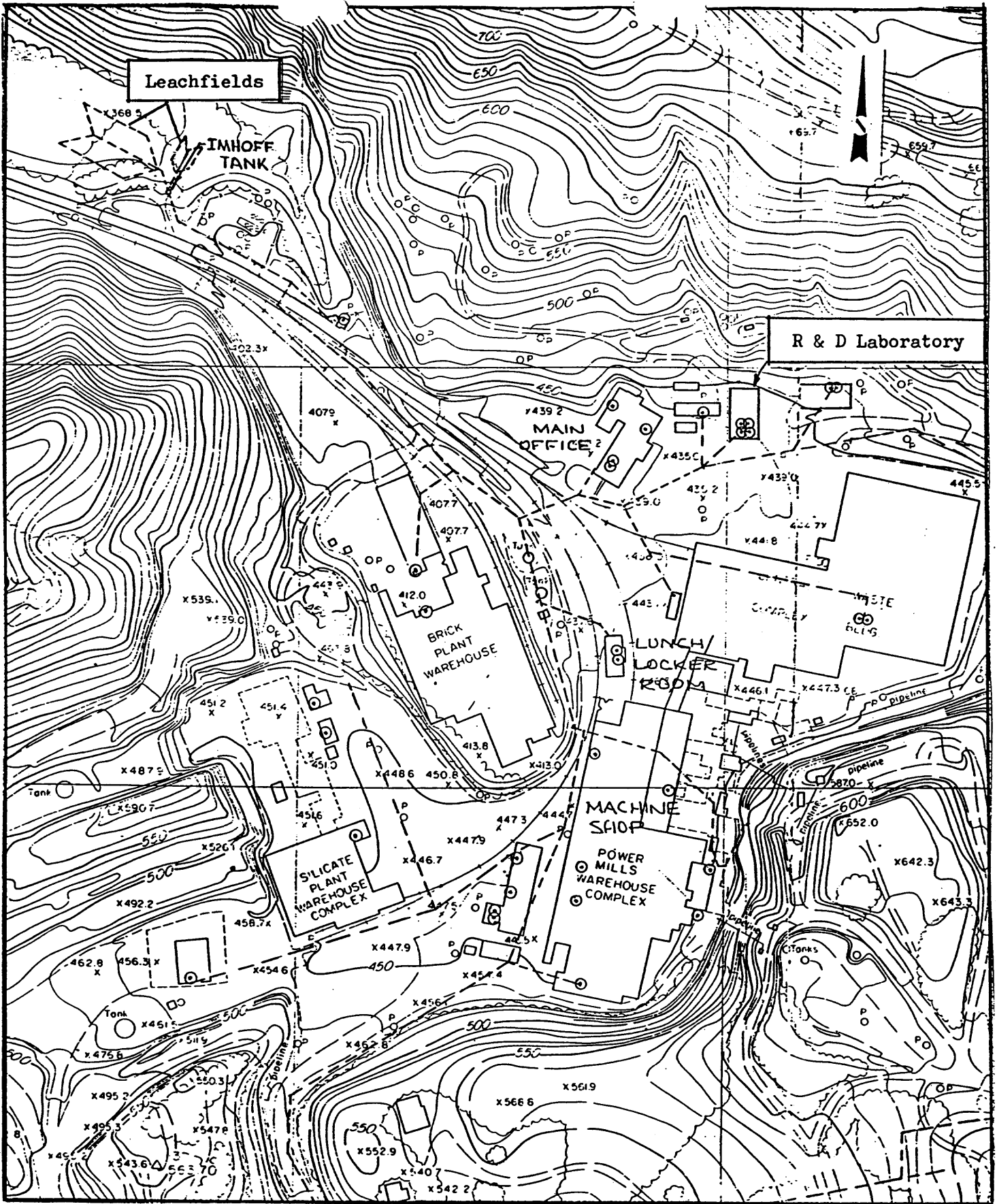
3. Pursuant to Title 23, Chapter 3, Subchapter 9, of the California Regulatory Code, the Discharger must submit a written report to the Executive Officer not later than January 1, 1993, addressing:
 - a. Whether there will be changes in the continuity, character, location, or volume of the discharge; and,
 - b. Whether, in their opinion, there is any portion of the Order that is incorrect, obsolete, or otherwise in need of revision.

I, WILLIAM R. LEONARD, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Coast Region, on July 8, 1988.


Executive Officer



ATTACHMENT "A"
 MANVILLE PRODUCTS CORPORATION
 LOMPOC PLANT



ATTACHMENT "B"
MANVILLE PRODUCTS CORPORATION
LOMPOC PLANT

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION

MONITORING AND REPORTING PROGRAM NO. 88-111
REVISED JUNE 26, 1990
MANVILLE PRODUCTS CORPORATION
LOMPOC PLANT/FILTRATION AND MINERALS DIVISION
SANTA BARBARA COUNTY

Influent Monitoring

Representative samples of the influent to the treatment plant shall be collected at the plant headworks and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
pH	pH units	Grab	Quarterly
Chemical Oxygen Demand (COD)*	mg/l	8-hr. Composite	(Jan, Apr, Jul, Oct)
			" " " "

Effluent Monitoring

Representative Samples of the effluent shall be collected at the plant outfall and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Daily Flow	Gallons	Measured	Daily
Maximum Daily Flow	GPD	Calculated	Monthly
Mean Daily Flow	GPD	Calculated	"
pH	pH units	Grab	"
Settleable Solids	ml/l	Grab	"
Total Suspended Solids	mg/l	8-hr. Composite	"
Total Nitrogen (as N) (Organic, Ammonia, Nitrate, & Nitrite)	mg/l	Grab	Quarterly (Jan, Apr, Jul, Oct)
Total Dissolved Solids	mg/l	8-hr. Composite	" " " "
Aluminum	mg/l	8-hr. Composite	Annually (July)
Antimony	mg/l	8-hr. Composite	"
Arsenic	mg/l	8-hr. Composite	"
Barium	mg/l	8-hr. Composite	"
Cadmium	mg/l	8-hr. Composite	"

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Chromium (Hexavalent)	mg/l	8-hr. Composite	Annually (July)
Cobalt	mg/l	8-hr. Composite	"
Copper	mg/l	8-hr. Composite	"
Iron	mg/l	8-hr. Composite	"
Lead	mg/l	8-hr. Composite	"
Mercury	mg/l	8-hr. Composite	"
Nickel	mg/l	8-hr. Composite	"
Selenium	mg/l	8-hr. Composite	"
Silver	mg/l	8-hr. Composite	"
Zinc	mg/l	8-hr. Composite	"

Water Supply Monitoring

Representative samples of the water supply shall be collected and analyzed for the following constituent:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
Total Dissolved Solids	mg/l	Grab	Quarterly (Jan, Apr, Jul, Oct)

Sludge Monitoring

The volume of sludge removed from the treatment facility, along with the date when removed and disposal location, shall be recorded and reported annually (February) to the Board.

Disposal Area Inspections

The disposal areas shall be inspected at least monthly for surfacing effluent, saturated surface areas, and odors. Evidence of any condition of this nature shall be reported to the Executive Officer within 24 hours being discovered and promptly investigated and remedied. A record shall be kept of dates and nature of observations and remedies, any high water levels in the leachfield inspection pipes, and when use of leachfields is alternated. Records shall be submitted with quarterly monitoring reports.

Research and Development Lab Monitoring

A sampling station shall be established where samples of laboratory rinsewaters can be obtained. Representative samples shall be collected and analyzed for the following constituents:

<u>Constituent</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Sampling and Analyzing Frequency</u>
pH	pH units	Grab	Monthly
Total Organic Carbon (TOC)*	mg/l	8-hr. Composite	"
Purgeables (EPA Test Method 624)***	ug/l	8-hr. Composite	Annually (July)
Base/Neutrals, Acids, and Pesticides (EPA Test Method 625)***	ug/l	8-hr. Composite	"

* If COD concentration is greater than 1,000 mg/l or if TOC concentration is greater than 290 mg/l, the Discharger shall immediately re-sample and investigate reasons for high concentrations. A written report shall be submitted to the Regional Board within five days of the Discharger's awareness of the high concentration and shall summarize findings of the investigation.

*** Sampling frequency may be modified after the first year depending on detection of specific pollutants during the first year of monitoring.

Reporting

Quarterly monitoring reports shall be submitted for the previous quarter by the 20th day of February, May, August, and November.

ORDERED BY

William R. Leonard

 Executive Officer

6/26/90

 Date