

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER NO. 97-225

WASTE DISCHARGE REQUIREMENTS
FOR
COOL LIMESTONE QUARRY
LIMESTONE PRODUCTS INCORPORATED
EL DORADO COUNTY

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

1. Limestone Products Incorporated (hereafter Discharger) submitted a Report of Waste Discharge, dated 4 August 1997, for its limestone quarry in Cool, El Dorado County (Assessor's Parcel Numbers 071-010-25 and -026).
2. The Discharger owns and operates an open pit limestone quarry that has been in existence since 1946. Approximately 300,000 tons per year of limestone ore are processed. Processing the ore involves crushing, washing off the clay and soil, and screening to various sizes for sale. A limestone milling operation is also conducted on the quarry site. The quarry is in Section 7, T12N, R9E, MDB&M, as shown on Attachment A, a part of this Order.
3. Process water is obtained from on-site storage in two mined-out pits which are replenished by winter precipitation and runoff, and to a lesser extent, by underground springs. Washwater is treated by screening and cyclones prior to discharge to the North Supply Pit. Maximum summer water use is in the range of 0.2 to 0.25 million gallons per day (mgd).
4. The Discharger filed a Notice of Intent to comply with the terms of the State Water Resources Control Board's Water Quality Order No. 97-03-DWQ to obtain a separate permit for those off-site discharges of storm water requiring coverage under the National Pollutant Discharge Elimination System.
5. The Board adopted a Water Quality Control Plan, Third Edition, for the Sacramento River Basin and the San Joaquin River Basin (hereafter Basin Plan) which contains water quality objectives for waters of the Basin. These requirements implement the Basin Plan.
6. The beneficial uses of the Middle Fork American River and downstream waters are municipal, industrial, and agricultural supply; recreation; and esthetic enjoyment.
7. The beneficial uses of the underlying ground water are municipal and domestic, industrial, and agricultural supply.
8. The action to adopt waste discharge requirements for this facility is exempt from the provisions of the California Environmental Quality Act in accordance with Section 15301, Title 14, California Administrative Code.
9. The discharge is presently governed by Waste Discharge Requirements Order No. 86-228, adopted by the Board on 12 December 1986.

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WASTE DISCHARGE REQUIREMENTS
COOL LIMESTONE QUARRY
LIMESTONE PRODUCTS, INCORPORATED
EL DORADO COUNTY

- 10. This discharge is exempt from the requirements of *Consolidated Regulations for Treatment, Storage, Processing, or Disposal of Solid Waste*, as set forth in Title 27, CCR, Division 2, Subdivision 1, Section 20005, et seq., (hereinafter Title 27). The exemption, pursuant to Section 20090(b), is based on the following:
 - a. The Board is issuing waste discharge requirements
 - b. The discharge complies with the Basin Plan, and,
 - c. The wastewater does not need to be managed according to 22 CCR, Division 4.5, Chapter 11, as a hazardous waste.
- 11. The Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for this discharge and has provided them with an opportunity for a public hearing and an opportunity to submit their written views and recommendations.
- 12. The Board, in a public meeting, heard and considered all comments pertaining to the discharge.

IT IS HEREBY ORDERED that Order No. 86-228 is rescinded and Limestone Products, Incorporated, its agents, successors and assigns, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. Discharge Specifications:

- 1. Discharge of treated wastewater at a location or in a manner different from that described in Finding No. 3 is prohibited.
- 2. The 30-day average daily dry weather discharge flow to the process water recirculation system shall not exceed 0.25 mgd.
- 3. Neither the treatment nor the discharge of wastewater shall cause a pollution or condition of nuisance as defined by the California Water Code, Section 13050.
- 4. The discharge shall not cause degradation of any water supply.
- 5. The discharge shall remain within the designated disposal area at all times.
- 6. No aspect of the quarry operation shall cause turbidity increases in the Middle Fork American River in excess of the following:
 - a. 1 Nephelometric Turbidity Unit (NTU) - if background turbidity is between 0 and 5 NTU.

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EL DORADO COUNTY

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- b. 20 percent - if background turbidity is between 5 and 50 NTU.
- c. 10 NTU - if background turbidity is between 50 and 100 NTU.
- d. 10 percent - if background turbidity is greater than 100 NTU.

B. Sludge Disposal:

- 1. Collected screenings, sludges, and other solids removed from liquid wastes shall be disposed of in a manner that is consistent with Title 27 and approved by the Executive Officer.

C. Provisions:

- 1. The Discharger shall not allow pollutant-free wastewater to be discharged into the collection, treatment, and disposal system in amounts that significantly diminish the system's capability to comply with this Order. Pollutant-free wastewater means rainfall, ground water, cooling waters, and condensates that are essentially free of pollutants.
- 2. The Discharger shall comply with all the items of the "Standard Provisions and Reporting Requirements for Waste Discharge Requirements, 1 March 1991", which are part of this Order. This attachment and its individual paragraphs are referred to as "Standard Provision(s)".
- 3. The Discharger shall comply with Monitoring and Reporting Program No. 97-225, which is a part of this Order, and any revisions thereto as ordered by the Executive Officer.
- 4. The Discharger may be required to submit technical reports as directed by the Executive Officer.

I, GARY M. CARLTON, 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 Valley Region, on 24 October 1997.

for Thomas R Parker
GARY M. CARLTON, Executive Officer

AMENDED
EAH:dlk/24 October 1997

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

(revised) MONITORING AND REPORTING PROGRAM NO. 97-225

FOR
TEICHERT AGGREGATES
COOL LIMESTONE QUARRY
EL DORADO COUNTY

This (revised) Monitoring and Reporting Program (MRP) incorporates requirements for monitoring the Quarry operations, south pit, north supply pit (wastewater settling pond), water supply wells/pits, main quarry pit, de-watering activities, adjacent waterbodies, and the Middle Fork of the American River, and is issued pursuant to Water Code Section 13267. The Discharger shall not implement any changes to this MRP unless and until a revised MRP is issued by the Executive Officer. Sample collection stations shall be established such that the samples collected are representative of the nature and volume of the material(s) sampled.

All samples collected should be representative of the volume and nature of the discharge or matrix of material sampled. The person collecting the sample shall be identified along with the time, date, and location of each grab sample shall be recorded on the sample chain of custody form.

Field test instruments (such as those used to test temperature, pH, EC, and dissolved oxygen) may be used provided that:

1. The operator is trained in proper use and maintenance of the instruments;
2. The instruments are calibrated prior to each monitoring event;
3. Instruments are serviced and/or calibrated by the manufacturer at their respective recommended frequency; and
4. Field calibration reports are submitted as described in the "Reporting" section of this MRP.

QUARRY OPERATIONS

The Discharger shall submit a monthly status report which shall include the following:

1. The dates, duration, location, and volume of any overflows or seepage from the north supply pit, accidental process water discharges or intentional process water discharges to any other location on-site other than the north supply pit or off-site;
2. The composition, date, location, and size of blasting charges used within the quarry;
3. Any supply or settling pond modifications and maintenance;
4. Volumes of solid materials removed from the north supply pit or other settling pond and how the solid materials were disposed of (i.e. sold or reclaimed);
5. Any changes in the locations of the process water supply pits, or solid and wastewater disposal areas;
6. Significant changes in the amounts of ore mined or water used; and
7. Any other significant events or changes, which result in an operational change or may have water quality implications.

WASTEWATER SETTLING POND MONITORING

The north supply pit (wastewater settling pond) and any other pond used to settle process water shall be sampled as described below. For the metals samples, both water and soil samples are required. The Discharger shall select two representative locations within the pond to be sampled. All samples shall be collected during the times when the Discharger is actively discharging in the pond. Both sample locations within the pond shall be sampled and analyzed according to the following schedule:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Daily Flow	MGD	Continuous	Monthly
Freeboard	Feet, 0.1 Feet	Weekly	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Monthly	Monthly
Total Dissolved Solids	mg/l	Monthly	Monthly
Total Acidity	mg/l	Monthly	Monthly
Total Alkalinity	mg/l	Monthly	Monthly
Total Hardness	mg/l	Monthly	Monthly
Sulfate	mg/l	Monthly	Monthly
Dissolved Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
Total Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
Metals WET (Soil Sample)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
TPH ¹	μ g/l	Semi-Annual	Jan, Jul monthly rpt

¹ Total Petroleum Hydrocarbons, detection limit $\leq 50 \mu$ g/l micrograms per liter (ppb)

The north supply pit's north levee exterior and adjacent rock walls shall be visually inspected monthly for flows and seeps. All flows or seeps shall be reported to the Regional Board within 24 hours of detection and followed up with a written report within two weeks. Any flow or seep detected shall be identified on a scaled map and shall be sampled daily until determined if the flow or seep contains wastewater constituents and results are reported to the Regional Board. If the flow or seep has no waste component, it shall be identified as such on a scaled map and shall be sampled annually at least once during the first quarter after significant precipitation. Samples shall be analyzed according to the above Wastewater Settling Pond Monitoring and shall include Turbidity (NTUs) and Settleable Solids (ml/l).

EXCAVATION AREA MONITORING

Any area where product excavation is greater than 3 feet below the water table or where dewatering is conducted to allow excavation shall be sampled. One sample in the excavation and one of the dewatering discharge shall be collected. All samples shall be collected during the times when the Discharger is actively excavating in these areas. Samples shall be collected and analyzed according to the following schedule:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Discharge Flow (if any)	mgd	continuous	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Monthly	Monthly
Dissolved Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
Total Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
Metals WET (Soil only)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
TPH ¹	μ g/l	Semi-Annual	Jan, Jul monthly rpt

¹ Total Petroleum Hydrocarbons, detection limit ≤ 50 μ g/l micrograms per liter (ppb)

SUPPLY WELL MONITORING

Sample collection shall be established such that the samples collected are representative of the nature and volume of the supply water pumped to the Quarry. Samples shall be collected and analyzed according to the following schedule:

<u>Constituent/Parameter</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Daily Flow	MGD	Continuous	Monthly
Water elevation	Feet, 0.1 Feet	Weekly	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Monthly	Quarterly
Total Dissolved Solids	mg/l	Monthly	Quarterly
Total Acidity	mg/l	Monthly	Quarterly
Total Alkalinity	mg/l	Monthly	Quarterly
Total Hardness	mg/l	Monthly	Quarterly
Turbidity	NTU	Monthly	Quarterly
Sulfate	mg/l	Monthly	Quarterly
Dissolved Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
Total Metals (ICP)	μ g/l	Semi-Annual	Jan, Jul monthly rpt
TPH ¹	μ g/l	Semi-Annual	Jan, Jul monthly rpt

¹ Total Petroleum Hydrocarbons, detection limit ≤ 50 μ g/l micrograms per liter (ppb)

WATERBODY MONITORING

The Discharger shall collect grab samples from the Middle Fork of the American River at the following stations:

<u>Station</u>	<u>Description</u>
R-1	200 feet up-river from the up-river limit of the normal projection of the wastewater pond and mining operation to the Middle Fork of the American River.
R-2	300 feet down-river from the down-river limit of the normal projection of the pond and mining operation to the Middle Fork of the American River.

In addition the Discharger shall collect grab samples from all waterbodies (ponds and/or channels) within 500 feet of the wastewater settling pond and any excavation area. If any of these waterbodies are on land outside of the Discharger's control, then the Discharger shall either obtain permission to access the waterbody(ies) or shall submit a report detailing how it proposes to comply with this monitoring requirement. These other waterbodies shall be identified as follows:

<u>Station</u>	<u>Description</u>
SB-1	Drainage outlet pipe at the base of the Slide Buttress
OWTP-1	Old Workings Tunnel Portal
P-(Others)	Others (enumerated on the site map for positive identification) waterbodies within 500 feet of the designated disposal area and any excavation area ponds to be determined by area survey.

Grab samples shall be collected from all of the above waterbody stations and shall be monitored for the following constituents:

<u>Constituents</u>	<u>Units</u>	<u>Sampling Frequency</u>	<u>Reporting Frequency</u>
Turbidity	NTU	Monthly	Monthly
pH	pH units	Monthly	Monthly
Electrical Conductivity	μ mhos/cm	Monthly	Monthly
Nitrate	mg/l	Monthly	Monthly
Dissolved Metals (ICP)	μ g/l	Monthly	Monthly
TPH ¹	μ g/l	Monthly	Monthly

¹ Total Petroleum Hydrocarbons, detection limit $\leq 50 \mu$ g/l micrograms per liter (ppb)

In conducting the surface water sampling, a log shall be kept of the surface water conditions at Stations R-1 & R-2 and all other waterbody monitoring sites (i.e., Slide Buttress and P-(Others)). Attention shall be given to the presence or absence of floating or suspended matter, bottom deposits, discoloration, and aquatic life.

Notes on surface water conditions shall be summarized in the monthly monitoring report. The Discharger shall periodically evaluate the location of R-1 & R-2 to ensure that R-1 is up-river and R-2 is down-river of the Discharger's operations.

REPORTING

In reporting monitoring data, the Discharger shall arrange the data in tabular form so that the date, sample type (e.g., influent, effluent, etc.), and reported analytical result for each sample are readily discernible. The data shall be summarized in such a manner to clearly illustrate compliance with waste discharge requirements and spatial or temporal trends, as applicable. The results of any monitoring done more frequently than required at the locations specified in the Monitoring and Reporting Program shall be reported to the Regional Board.

A. Monthly Reports

All sample data collected during the month shall be reported in the monthly monitoring reports. Monthly Reports shall be submitted to the Regional Board by the first day of the second month following the month of sampling (i.e., the January monthly report is due by **1 March**). At a minimum, the reports shall include the following:

1. A scaled map showing relevant structures and features of the facility, the locations of surface water monitoring and all other sampling stations;
2. The results of all Quarry operations monitoring, supply water, wastewater, and de-watering monitoring, excavation areas monitoring, surface waterbodies monitoring, and observations logs;
3. A comparison of the monitoring data to the discharge specifications, provisions requirements, and surface water limitations and an explanation of any violation of these requirements; and
4. A calibration log verifying calibration of all hand-held monitoring instruments and devices used to comply with the prescribed monitoring program.
5. For the January and July monthly reports, a copy of the laboratory analytical report(s) for the metals sampling.

B. Annual Monitoring Report

An Annual Monitoring Report shall be submitted by **1 February of each year**, and may be combined with the December monthly monitoring report. At a minimum, the Annual Monitoring Report shall include the following:

1. A written summary of the all significant actions taken during the year;

2. A tabular summary of the all data reported in the Monthly Monitoring Reports;
3. If requested by staff, tabular and graphical summaries of all monitoring data obtained during the previous year;
4. A discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into full compliance with the waste discharge requirements;
5. A discussion on the Quarry operations compliance with WDRs. Identification of any non-compliance areas, action taken to achieve compliance, and effectiveness of the action taken; and
6. A discussion of any data gaps and potential deficiencies/redundancies in the monitoring system or reporting program.

All Discharger reporting specified herein shall be submitted pursuant to Section 13267 of the California Water Code. Technical reports submitted by or for the Discharger shall be prepared and stamped by the appropriate registered professional required by the California Business and Professions Code.

A letter transmitting the self-monitoring reports shall accompany each report. Such a letter shall include a discussion of requirement violations found during the reporting period, and actions taken or planned for correcting noted violations, such as operation or facility modifications. If the Discharger has previously submitted a report describing corrective actions and/or a time schedule for implementing the corrective actions, reference to the previous correspondence will be satisfactory. Pursuant to Standard Provisions, General Reporting requirements B.3, the transmittal letter shall contain the following statement by the Discharger, or the Discharger's authorized agent:

"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 the those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations."

The Discharger shall implement the above monitoring program as of the date of this Order.

for Thomas R Pinkos
GARY M. CARLTON, Executive Officer

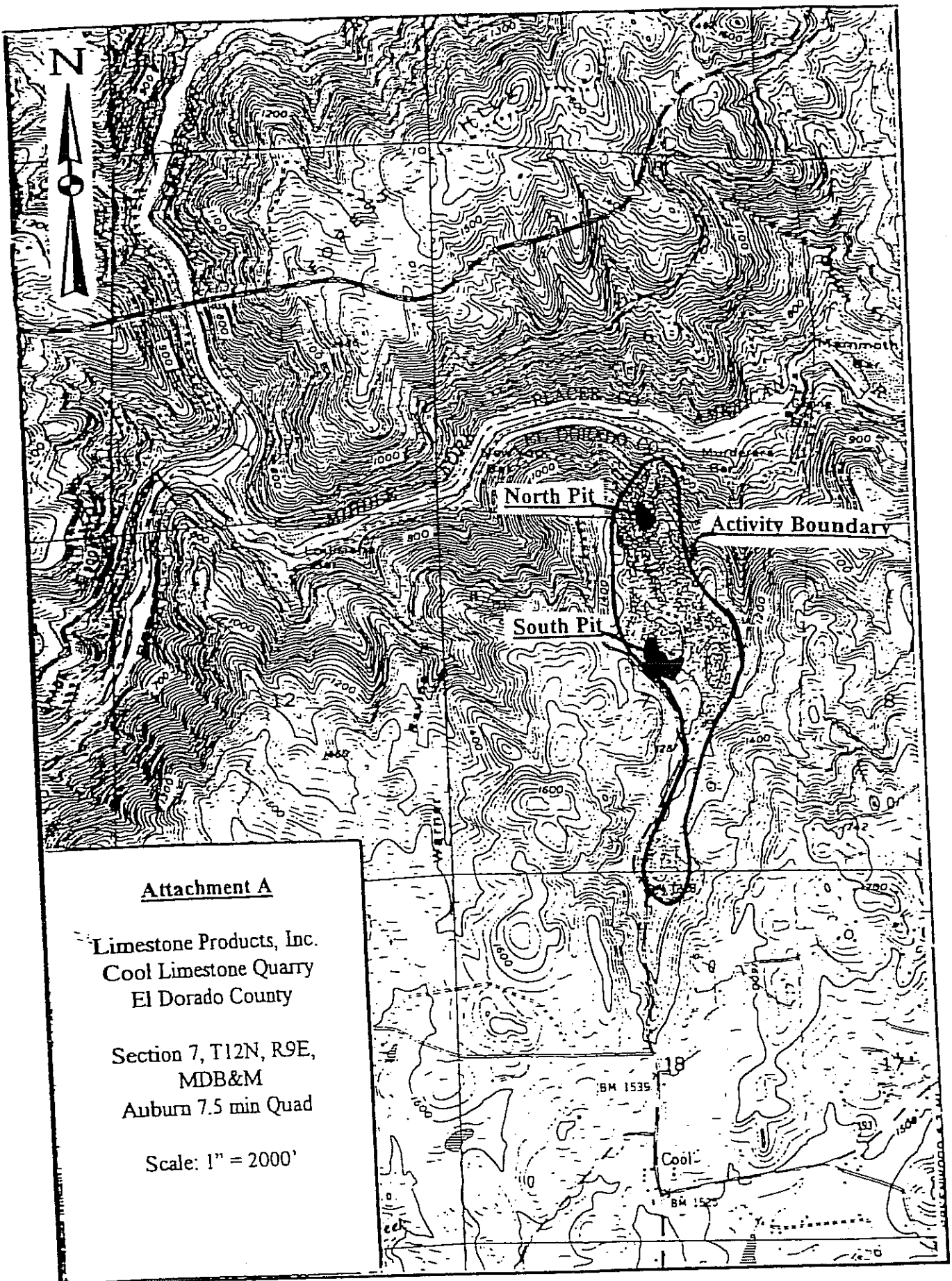
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Thomas R. Pinkos
Assistant Executive Officer



INFORMATION SHEET

COOL LIMESTONE QUARRY LIMESTONE PRODUCTS, INCORPORATED EL DORADO COUNTY

The Cool Limestone Quarry is approximately three miles east of Auburn off of Highway 49 in El Dorado County. The Quarry has been in operation since 1946. The mined limestone is used by Limestone Products, Incorporated, (the Discharger) in the sugar making process, as well as for other uses, including landscaping, and as a road base material.

Approximately 300,000 tons per year of limestone ore and about 150,000 tons of overburden are mined. The limestone is processed by crushing, washing, and screening to various sizes for sale. Process water for rock washing is obtained from on-site storage in two mined-out pits which are replenished by rainfall and runoff.

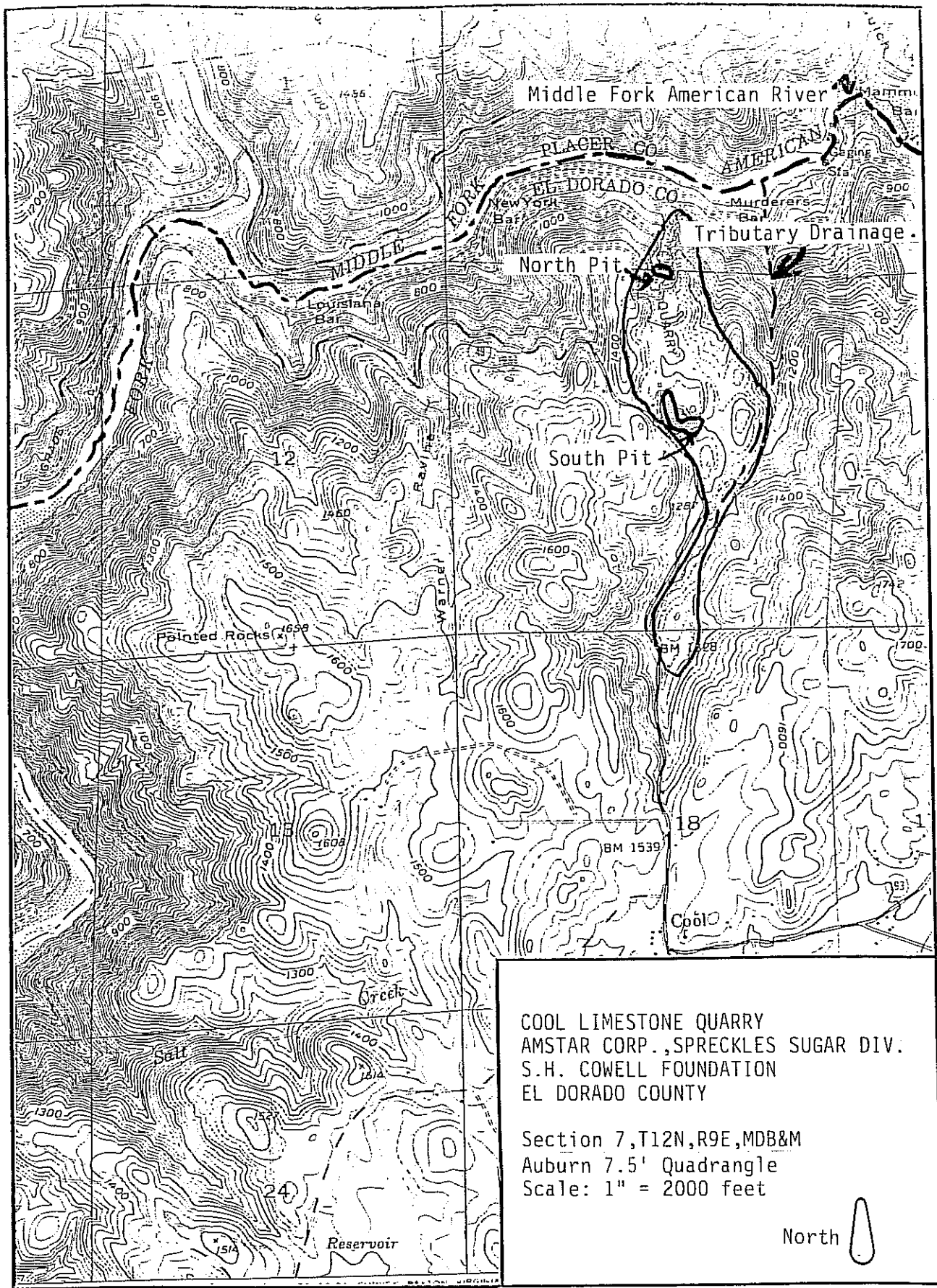
Water quality problems arose in 1985 when the improper disposal of fine limestone dust, by the quarry's former owner, resulted in its discharge to the Middle Fork American River, causing significant siltation. Prior to selling the quarry to the Discharger, the former owner modified operations at the quarry, stopped generating the rock flour waste product, and removed the rock flour from the site. Current operations at the quarry do not generate rock flour.

In early 1995, a portion of the North Supply Pit buttress became unstable and slid down the mountain through land owned by the Federal Bureau of Land Management. In cooperation with the State Department of Conservation's Office of Mine Reclamation and the El Dorado County Planning Department, the Discharger is in the process of providing adequate stabilization of the buttress.

Surface water drainage from the site is to the Middle Fork American River.

Waste discharge requirements are being updated to adequately reflect ownership of the quarry and policies of the Regional Board. Discharge specifications remain unchanged.

EAH:dlk/24 October 1997



Middle Fork American River

PLACER CO

EL DORADO CO

AMERICAN

Tributary Drainage

North Pit

South Pit

Pointed Rocks

Creek

Self

Reservoir

COOL LIMESTONE QUARRY
AMSTAR CORP., SPRECKLES SUGAR DIV.
S.H. COWELL FOUNDATION
EL DORADO COUNTY

Section 7, T12N, R9E, MDB&M
Auburn 7.5' Quadrangle
Scale: 1" = 2000 feet

North





CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

STANDARD PROVISIONS AND REPORTING REQUIREMENTS
FOR
WASTE DISCHARGE REQUIREMENTS

1 September 1985

A. General Provisions:

1. The requirements prescribed herein do not authorize the commission of any act causing injury to the property of another, nor protect the discharger from his liabilities under federal, state, or local laws.
2. The discharger shall permit the Regional Board (hereafter Board):
 - (a) Entry upon premises in which an effluent source is located or in which any required records are kept;
 - (b) Access to copy any records required to be kept under terms and conditions of this Order;
 - (c) Inspection of monitoring equipment to be kept under terms and conditions of this Order;
 - (d) Sampling of any discharge.
3. If the discharger's wastewater treatment plant is publicly owned, it shall be supervised and operated by persons possessing certificates of appropriate grade according to Chapter 3, Subchapter 14, Title 23, California Administrative Code.
4. The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.
5. 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.
6. After notice and opportunity for a hearing, this Order may be terminated or modified for cause, including but not limited to:
 - (a) Violation of any term or condition contained in this Order;
 - (b) Obtaining this Order by misrepresentation, or failure to disclose fully all relevant facts;

A. General Provisions (continued)

- (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge;
 - (d) A material change in the character, location, or volume of discharge.
7. Safeguard to electric power failure:
- (a) The discharger shall, within ninety (90) days of the effective date of this Order, submit to the Board a description of the existing safeguards provided to assure that, should there be reduction, loss, or failure of electric power, the discharger shall comply with the terms and conditions of this Order. Such safeguards may include alternate power sources, standby generators, retention capacity, operating procedures or other means. A description of the safeguards provided shall include an analysis of the frequency, duration, and impact of power failures experienced over the past five years on effluent quality and on the capability of the discharger to comply with the terms and conditions of the Order. The adequacy of the safeguards is subject to the approval of the Board.
 - (b) Should the treatment works not include safeguards against reduction, loss, or failure of electric power, or should the Board not approve the existing safeguards, the discharger shall, within ninety (90) days of the effective date of this Order or within ninety (90) days of having been advised by the Board that the existing safeguards are inadequate, provide to the Board a schedule of compliance for providing safeguards such that in the event of reduction, loss, or failure of electric power, the discharger shall comply with the terms and conditions of this Order. The schedule of compliance shall, upon approval of the Board, become a condition of this Order.
8. Any diversion from or by-pass of facilities necessary to maintain compliance with the terms and conditions of this Order is prohibited, except:
- (a) where unavoidable to prevent loss of life or severe property damage, or
 - (b) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this Order. The discharger shall promptly notify the Board in writing of each such diversion or by-pass.
9. Except for data determined to be confidential, all reports prepared in accordance with terms of this Order shall be available for public inspection at the offices of the Regional Water Quality Control Board. Effluent data shall not be considered confidential. Knowingly making any false statements on any such report may result in the imposition of criminal penalties as provided for in Section 13268(b) of the California Water Code.

A. General Provisions (continued)

10. The discharger shall take all reasonable steps to minimize any adverse impact to waters of the state resulting from noncompliance with any effluent limitations specified in this Order, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.
11. The discharge of any radiological, chemical, or biological warfare agent or high level radiological waste is prohibited.

B. General Reporting Requirements:

1. The discharger shall submit to the Board, on or before each compliance report date, a report detailing his compliance or noncompliance with the specific schedule date and task.

If noncompliance is being reported, the reasons for such noncompliance shall be stated, plus an estimate of the date when the discharger will be in compliance. The discharger shall notify the Board by letter when he has returned to compliance with the time schedule.

2. In the event the discharger does not comply or will be unable to comply with any prohibition, daily maximum effluent limitation, or receiving water limitation of this Order for any reason, the discharger shall notify the Board by telephone (916) 445-0270 as soon as he or his agents have knowledge of such noncompliance, and shall confirm this notification in writing within two weeks. The written notification shall state the nature, time and cause of noncompliance, and shall describe the measures being taken to prevent recurrences.
3. The discharger, upon written request of the Board, shall file with the Board within ninety (90) days after the effective date of this Order, a technical report on its preventive (failsafe) and contingency (cleanup) plans for controlling accidental discharges, and for minimizing the effect of such events. This report may be combined with that required under A.7.

This technical report should:

- (a) Identify the possible sources of accidental loss, untreated waste by-pass, and contaminated drainage. Loading and storage areas, power outage, waste treatment unit outage, and failure of process equipment, tanks and pipes should be considered.
- (b) Evaluate the effectiveness of present facilities and procedures and state when they become operational.

Describe facilities and procedures needed for effective preventive and contingency plans.

B. General Reporting Requirements (continued)

- (c) Predict the effectiveness of the proposed facilities and procedures and provide an implementation schedule containing interim and final dates when they will be constructed, implemented, or operational. (Reference: Sections 13267(b) and 13268, California Water Code.)

This Board, after review of the technical report, may establish conditions which it deems necessary to control accidental discharges and to minimize the effects of such events. Such conditions may be incorporated as part of this Order, upon notice to the discharger.

4. The discharger shall file with the Board a Report of Waste Discharge at least 120 days before making any material change in the character, location or volume of the discharge.
5. A discharger whose waste flow has been increasing, or is projected to increase, shall estimate when flows will reach hydraulic and treatment capacities of its treatment and disposal facilities. The projections shall be made in January, based on the last three years' average dry weather flows, peak wet weather flows and total annual flows, as appropriate. When any projection shows that capacity of any part of the facilities may be exceeded in four years, the discharger shall notify the Board by 31 January.

C. Provisions for Monitoring:

1. All analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants," promulgated by Environmental Protection Agency (EPA) or other procedures approved by the Board.

Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services. In the event a certified laboratory is not available to the discharger, analyses performed by a noncertified laboratory will be accepted provided:

- a. A Quality Assurance/Quality Control program is instituted by the laboratory. A manual containing the steps followed in this program must be kept in the laboratory and shall be available for inspection by staff of the Board. The Quality Assurance/Quality Control program must conform to EPA guidelines or procedures approved by the Board.
- b. The laboratory will become certified within the shortest practicable time if the State certification program is resumed.

Unless otherwise specified, all metals shall be reported as Total Metals.

C. Provisions for Monitoring (continued)

2. The laboratory which performs the sample analyses must be indentified in all monitoring reports submitted to the Board.
3. The discharger shall maintain records of all sampling and analytical results, including strip charts; the date, exact place and time of sampling; the analyst's name; analytical techniques used; and results of all analyses. Such records shall be retained for a minimum of three years. This period of retention shall be extended during the course of any unresolved litigation regarding this discharge or when requested by the Board.
4. Effluent samples shall be taken downstream of the last addition of wastes to the treatment or discharge works where a representative sample may be obtained prior to mixing with the receiving waters. Samples shall be collected at such a point and in such a manner to ensure a representative sample of the discharge.
5. All monitoring instruments and devices used by the discharger to fulfill the prescribed monitoring program shall be properly maintained and calibrated as necessary, at least yearly, to ensure their continued accuracy.

D. Reporting Requirements for Monitoring:

1. The discharger shall file with the Board technical reports on self monitoring work performed according to the detailed specifications contained in any Monitoring and Reporting Program as directed by the Board.
2. Monitoring reports shall be submitted on forms to be supplied by the Board to the extent that the information reported may be entered on the forms. Alternate forms may be approved for use by the Board.

The results of all monitoring required by this Order shall be reported to the Board, and shall be submitted in such a format as to allow direct comparison with the limitations and requirements of this Order. Unless otherwise specified, discharge flows shall be reported in terms of the 30-day average and the daily maximum discharge flows.

3. The results of any analysis of samples, performed in accordance with specified test procedures, taken more frequently than required at the locations specified in the Monitoring and Reporting Program, shall be reported to the Board.
4. For every item of monitoring data where the requirements are not met, the discharger shall submit a statement of the actions undertaken or proposed which will bring the discharge into full compliance with requirements at

D. Reporting Requirements for Monitoring (continued)

the earliest time, and shall submit a timetable for such corrective actions. The discharger shall submit such information, in writing, within two weeks of becoming aware of noncompliance.

5. Upon written request of the Board, the discharger shall submit a report to the Board by 31 January of each year. The report shall contain both tabular and graphical summaries of the monitoring data obtained during the previous year. In addition, the discharger shall discuss the compliance record and the corrective actions taken or planned which may be needed to bring the discharge into full compliance with the waste discharge requirements.
6. All 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 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.
7. The discharger shall mail a copy of each monitoring report and any other reports required by this Order to:

California Regional Water Quality Control Board
 Central Valley Region
 3201 'S' Street
 Sacramento, CA 95816

E. Definitions:

1. The daily discharge rate is obtained from the following calculation for any calendar day:

$$\text{Daily discharge rate (lbs/day)} = \frac{8.35}{N} \sum_{i=1}^N Q_i C_i$$

$$\text{Daily discharge rate (kg/day)} = \frac{3.78}{N} \sum_{i=1}^N Q_i C_i$$

E. Definitions (continued)

In which N is the number of samples analyzed in any calendar day. Q_i and C_i are the flow rate (MGD) and the constituent concentration (mg/l), respectively, which are associated with each of the N grab samples which may be taken in any calendar day. If a composite sample is taken, C_i is the concentration measured in the composite sample and Q_i is the average flow rate occurring during the period over which samples are composited.

2. The "30-day, or 7-day average" discharge is the total discharge by weight during a 30, or 7 consecutive calendar day period, respectively, divided by the number of days in the period that the facility was discharging. Where less than daily sampling is required by this Order, the 30-day, or 7-day average discharge shall be determined by the summation of all the measured discharges by weight divided by the number of days during the 30, or 7 consecutive calendar day period when the measurements were made.

For other than 7-day or 30-day periods, compliance shall be based upon the average of all measurements made during the specified period. If fewer than four measurements are made during the period, compliance shall be based upon the last four consecutive samples.

3. The "30-day, or 7-day average" concentration, is the arithmetic mean of measurements made during a 30, or 7 consecutive calendar day period, respectively.
4. The "daily maximum" discharge means the total discharge by weight during any calendar year.
5. The "daily maximum" concentration is defined as the measurement made on any single discrete sample or composite sample.
6. A "grab" sample is defined by any individual sample collected in less than 15 minutes.
7. Unless otherwise specified, a composite sample is a combination of individual samples collected over the specified sampling period;
 - (a) at equal time intervals, with a maximum interval of one hour
 - (b) at varying time intervals (average interval one hour or less) so that each sample represents an equal portion of the cumulative flow.

The duration of the sampling period shall be specified in the Monitoring and Reporting Program. The method of compositing shall be reported with the results.

F. Annual Pretreatment Report Requirements:

(Applies to publicly owned treatment works (POTW) whose aggregate design waste flow from one or more plants is 5 million gallons/day or more. Also applies to other dischargers if so stated in the waste discharge requirements.)

The annual report shall be submitted 31 January and include, but not be limited to, the following items:

1. A summary of analytical results from representative, flow-proportioned, 24-hour composite sampling of the POTW's influent and effluent for those pollutants EPA has identified under Section 307(a) of the Clean Water Act which are known or suspected to be discharged by industrial users.

The discharger is not required to sample and analyze for asbestos until EPA promulgates an applicable analytical technique under 40 CFR Part 136. Sludge shall be sampled during the same 24-hour period and analyzed for the same pollutants as the influent and effluent sampling and analysis. The sludge analyzed shall be a composite sample of a minimum of 12 discrete samples taken at equal time intervals over the 24-hour period. Wastewater and sludge sampling and analysis shall be performed at least annually. The discharger shall also provide any influent, effluent or sludge monitoring data for nonpriority pollutants which may be causing or contributing to Interference, Pass Through or adversely impacting sludge quality. Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto.

2. A discussion of Upset, Interference, or Pass Through incidents, if any, at the POTW treatment plant which the discharger knows or suspects were caused by industrial users of the POTW system. The discussion shall include the reasons why the incidents occurred, the corrective actions taken and, if known, the name and address of the industrial user(s) responsible. The discussion shall also include a review of the applicable pollutant limitations to determine whether any additional limitations, or changes to existing requirements, may be necessary to prevent Pass Through, Interference, or noncompliance with sludge disposal requirements.
3. The cumulative number of industrial users that the discharger has notified regarding Baseline Monitoring Reports and the cumulative number of industrial user responses.
4. An updated list of the discharger's industrial users including their names and addresses, or a list of deletions and additions keyed to a previously submitted list. The discharger shall provide a brief explanation for each deletion. The list shall identify the industrial users subject to federal categorical standards by specifying which set(s) of standards are applicable. The list shall indicate which categorical industries, or specific pollutants from each industry, are subject to

F. Annual Pretreatment Report Requirements (continued)

local limitations that are more stringent than the federal categorical standards. The discharger shall also list the noncategorical industrial users that are subject only to local discharge limitations. The discharger shall characterize the compliance status through the year of record of each industrial user by employing the following descriptions:

- a. Complied with baseline monitoring report requirements (where applicable);
- b. Consistently achieved compliance;
- c. Inconsistently achieved compliance;
- d. Significantly violated applicable pretreatment requirements as defined by 40 CFR (Code of Federal Registers) 403.8(f)(2)(vii);
- e. Complied with schedule to achieve compliance (include the date final compliance is required);
- f. Did not achieve compliance and not on a compliance schedule;
- g. Compliance status unknown.

A report describing the compliance status of any industrial user characterized by the descriptions in items 4(c) through (g) above shall be submitted quarterly from the annual report date to EPA and the Board. The report shall identify the specific compliance status of each such industrial user. This quarterly reporting requirement shall commence upon issuance of this Order.

5. A summary of the inspection and sampling activities conducted by the discharger during the past year to gather information and data regarding the industrial users. The summary shall include but not be limited to a tabulation of categories of dischargers that were inspected and sampled; how many and how often; and incidents of noncompliance detected.
6. A summary of the compliance and enforcement activities during the past year. The summary shall include the names and addresses of the industrial users affected by the following actions:
 - a. Warning letters or notices of violation regarding the industrial users' apparent noncompliance with federal categorical standards or local discharge limitations. For each industrial user identify whether the apparent violation concerned the federal categorical standards or local discharge limitations;

- b. Administrative Orders regarding the industrial users' noncompliance with federal categorical standards or local discharge limitations. For each industrial user identify whether the violation concerned the federal categorical standards or local discharge limitations;
 - c. Civil actions regarding the industrial users' noncompliance with federal categorical standards or local discharge limitations. For each industrial user identify whether the violation concerned the federal categorical standards or local discharge limitations;
 - d. Criminal actions regarding the industrial users' noncompliance with federal categorical standards or local discharge limitations. For each industrial user identify whether the violation concerned the federal categorical standards or local discharge limitations.
 - e. Assessment of monetary penalties. For each industrial user identify the amount of the penalties;
 - f. Restriction of flow to the POTW; or
 - g. Disconnection from discharge to the POTW.
7. A description of any significantly changes in operating the pretreatment program which differ from the the discharger's approved Pretreatment Program including, but not limited to, changes concerning: the program's administrative structure; local industrial discharge limitations; monitoring program or monitoring frequencies; legal authority or enforcement policy; funding mechanisms; resource requirements; or staffing levels.
 8. A summary of the annual pretreatment budget, including the cost of pretreatment program functions and equipment purchases.
 9. A summary of public participation activities to involve and inform the public.
 10. A description of any changes in sludge disposal methods and a discussion of any concerns not described elsewhere in the report.

Duplicate signed copies of these reports shall be submitted to the Board and the

Regional Administrator
U.S. Environmental Protection Agency W-3
215 Fremont Street
San Francisco, CA 94105

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