

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

ORDER NO. 90-075

WASTE DISCHARGE REQUIREMENTS  
FOR  
PFIZER INC.  
GROUP "C" MINING WASTE MANAGEMENT FACILITY  
Lucerne Valley - San Bernardino County

The California Regional Water Quality Control Board, Colorado River Basin Region, finds that:

1. Pfizer, Inc., Minerals, Pigments and Metals Division (hereinafter also referred to as the discharger), P.O. Box 558, Lucerne Valley, California, 92356, submitted an updated Report of Waste Discharge dated August 20, 1990.
2. The discharger operates a limestone extraction and processing facility.
3. The Mining Waste Management Facility is located in the NW $\frac{1}{4}$ , NE $\frac{1}{4}$ , of Section 7, T3N, R1E, SBB&M, as shown in Attachment "A" which is incorporated herein and made part of this Board Order.
4. The discharger reports that the Mining Waste Management Facility (WMF) receives Group "C" mining waste as classified in accordance with criteria contained in the Chapter 15, Division 3, Title 23 of the California Code of Regulations, and other nonhazardous solid wastes as follows:
  - a. limestone dust - approximately 15,000 tons/yr.,
  - b. wood, paper and cardboard - approximately 15 tons/yr. maximum.
5. The discharger reports that a dozer is used to dig out a large pit. The waste material is hauled to the pit in a 50 ton truck, and the waste is then dumped in the pit and compacted. Soil is placed over the side of the WMF to encourage plant growth and to reduce visibility. The WMF is watered as needed to control dust.
6. The Lucerne Valley is a 150 mile alluvial basin within the Mojave Desert Geomorphic Province. Alluvial fans extend into the basin from the surrounding mountains. Average thickness of the alluvial fans is about 600 feet.
7. The discharger's plant is located along the southern edge of the Lucerne Valley, at the base of the San Bernardino Mountains, approximately  $\frac{1}{4}$  mile north of the North Frontal Fault Zone.
8. The WMF is underlain by artificial fill overlying alluvium and alluvial fan deposits which in turn rest on dolomite bedrock. The alluvial fan consists of silty sand and gravel. Those deposits extend to a depth of about 278 feet beneath the plant site. Bedrock is encountered at 295 feet beneath land surface.

SUPERSEDED BY  
BOARD ORDER NO. ~~91-018~~ kg  
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change of name  
93-018

9. Data provided by the discharger indicate that the approximate depth to ground water ranges between 900 to 1145 feet below land surface in the vicinity of the WMF.
10. Mean annual precipitation for the general vicinity of the site ranges from 5 inches in the central basin of Lucerne Valley to over 20 inches in the San Bernardino Mountains. Ground water recharge in the Lucerne Valley Hydrologic Unit results from deep percolation of runoff from precipitation in the San Bernardino Mountains.
11. Land within 1000 feet of the site is zoned for heavy industrial, desert agricultural, and residential uses by the County of San Bernardino.
12. The Water Quality Control Plan for the Colorado River Basin Region of California designates the beneficial uses of ground and surface waters in this Region.
13. The beneficial uses of ground waters in the Lucerne Hydrologic Unit are:
  - a. Municipal supply (MUN)
  - b. Industrial supply (IND)
  - c. Agricultural supply (AGR)
14. Article 7, Chapter 15, Division 3, Title 23 of the California Code of Regulations contains specific construction, monitoring, and operations standards for management of Group "C" mining wastes. This Board Order implements those standards.
15. In accordance with Section 15301, Chapter 3, Title 14 of the California Code of Regulations, the issuance of these waste discharge requirements which govern the operation of an existing facility involving negligible or no expansion of use beyond that previously existing, is exempt from the provisions of the California Environmental Quality Act (Public Resources Code, Sections 21000 et seq.).
16. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for this discharge.
17. The Board in a public meeting heard and considered all comments pertaining to this discharge.

IT IS HEREBY ORDERED, that the discharger shall comply with the following:

A. Discharge Specifications

1. Treatment or disposal of wastes specified in Finding No. 4 shall not cause pollution or nuisance as defined in Sections 13050(1) and 13050(m) of Division 7 of the California Water Code.
2. Waste materials shall not be discharged outside of the designated WMF.
3. Surface drainage from tributary areas, and internal site drainage from surface or subsurface sources, shall not contact or percolate through the wastes discharged at this site.

4. Mining waste shall not be placed in ponded water.
5. The discharge of wastes shall be limited to those specified in Finding No. 4, above, and only from the discharger's operations as explained in Finding No. 2, above.
6. The WMF shall be protected from inundation or washout of wastes which could occur as a result of a 10-year, 24-hour storm.
7. The exterior surfaces of the Waste Management Units (WMUs) shall be graded to promote lateral runoff of precipitation and to prevent ponding.
8. Annually, prior to the first day of November, any necessary erosion control measures shall be implemented and any necessary construction, maintenance, or repairs of precipitation and drainage control facilities shall be completed to prevent erosion or flooding of the site; and the report thereon shall be submitted to the Regional Board by November 15 of each year.
9. Water used for site maintenance shall be limited to amount necessary for dust control.
10. The discharger shall remove and relocate any wastes which are discharged at this site in violation of these requirements.
11. Runoff and drainage control designs and construction shall be supervised and certified by a California registered civil engineer as meeting the prescriptive standards and performance goals of said Chapter 15.
12. The integrity of the runoff and drainage control structures shall be maintained through the closure and post-closure maintenance period.
13. The WMF shall be operated and maintained to prevent migration of wastes from the waste management units during disposal operations, closure, and the post-closure maintenance period.
14. This discharge shall not cause degradation of any water supply.
15. The discharger shall comply with all applicable provisions of said Chapter 15 that are not specifically referred to in this Board Order.
16. The Regional Board shall be notified immediately of any structural failure occurring at the WMF.
17. Closure and post-closure maintenance of the WMUs shall be in compliance with Section 2574 of said Chapter 15.

B. Prohibitions

1. The discharge of wastes to surface waters, surface water drainage courses, or to ground water is prohibited.
2. Group A and B mining wastes shall not be discharged at this WMF.
3. The discharge of waste within 100 feet of surface waters is prohibited.

4. The discharge or deposit of waste to land not owned or controlled by the discharger is prohibited.
5. The discharge of waste containing any carcinogen or reproductive toxic listed by the Governor, pursuant to Health and Safety Code Sections 25249.5 through 25249.13, the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemicals may pass into any source of drinking water, is prohibited.

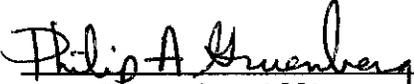
C. Provisions

1. The discharger shall maintain a copy of this Board Order at the site and make it available at all times to site operating personnel.
2. The discharger shall notify the Regional Board, in writing, of any proposed change in ownership or responsibility for construction or operation of the WMF. The discharger shall also notify the Regional Board of any material change in the character, location, or volume of the waste discharge and of any proposed expansion or closure plans. This notification shall be given sixty days prior to the effective date of the change and shall be accompanied by an amended report of waste discharge and any information that will demonstrate continued compliance with these waste discharge requirements.
3. The discharger shall comply with "Monitoring and Reporting Program No. 90-075", and future revisions thereto, as specified by the Regional Board's Executive Officer.
4. The discharger shall immediately notify the Regional Board of any flooding, slope failure or other change in site conditions which could impair the integrity of waste containment facilities or of precipitation and drainage control structures.
5. The discharger shall maintain visible monuments identifying the boundary limits of the entire WMF.
6. The discharger shall maintain legible records on the volume and type of each waste discharged at the site. These records shall be available for review by representatives of the Regional Board at any time during normal business hours. At the beginning of the post-closure maintenance period, copies of these records shall be sent to the Regional Board.
7. One year prior to the anticipated closure of the facility or any unit (portion) thereof, the discharger shall submit to the Regional Board, for review and approval by the Executive Officer, a closure and post-closure maintenance plan in accordance with Section 2597 of said Chapter 15.
8. The closure and post-closure maintenance plan shall include an approvable revenue program to provide sufficient funding for closure and post-closure maintenance.
9. The discharger shall maintain the existing closed WMUs in a manner that will minimize erosion and the threat to water quality.

10. Prior to any change in ownership or management of this operation, the discharger shall transmit a copy of this Board Order to the succeeding owner/operator, and forward a copy of the transmittal letter to the Regional Board.
11. This Board Order does not authorize violation of any federal, state, or local laws or regulations.

IT IS FURTHER ORDERED that Board Order No. 86-005 be superseded by this Board Order.

I, Philip A. Gruenberg, 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, Colorado River Basin Region, on November 28, 1990.

  
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Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 90-075  
FOR  
PFIZER INC.  
GROUP "C" MINING WASTE MANAGEMENT FACILITY  
Lucerne Valley - San Bernardino County

Location of Discharge: NW¼, NE¼, Section 7, T3N, R1E, SBB&M

MONITORING OF WASTE MANAGEMENT FACILITY

The discharger shall monitor all wastes discharged to the Group C Mining Waste Management Facility and report to the Regional Board as follows:

<u>Parameter</u>	<u>Units</u>	<u>Frequency</u>
1. Quantity discharged	Cubic Yards	Quarterly
2. Type of material discharged	-	Quarterly
3. Remaining capacity of waste management unit	Cubic Yards	Quarterly
4. Any discharge of wastes other than those allowed in the Specifications	Types, Volume & Location	Immediately upon becoming aware that the waste has been discharged, together with actions for immediate correction and for prevention of recurrence
5. Work done to maintain drainage control facilities		Annually, by the 15th day of November

REPORTING

1. Quarterly monitoring reports shall be submitted to the Regional Board by the 15th day of January, April, July and October of each year. Annual reports shall be submitted by November 15.

2. Monitoring reports shall be certified to be true and correct, under penalty of perjury, and shall contain the required information at the frequency designated in the monitoring program.

Submit report to:

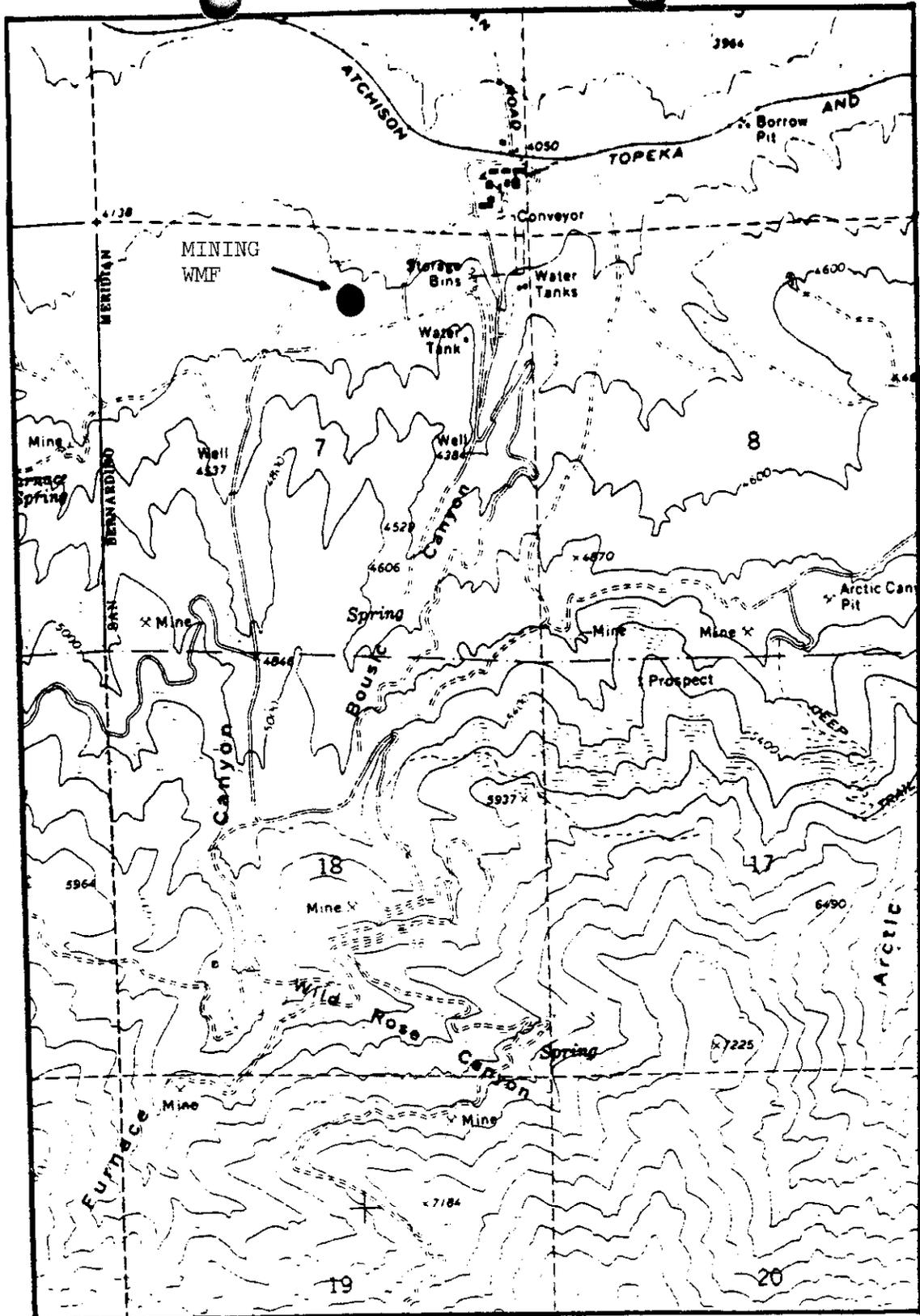
California Regional Water Quality Control Board  
Colorado River Basin Region  
73-271 Highway 111, Suite 21  
Palm Desert, CA 92260

ORDERED BY:

*Philip A. Gruenberg*  
Executive Officer

November 28, 1990

Date



Scale:  
1" = 2,000'

**ATTACHMENT A  
SITE MAP**

**PFIZER, INC.  
GROUP "C" MINING WASTE MANAGEMENT FACILITY  
Lucerne Valley - San Bernardino County  
NW¼, NE¼, Section 7, T3N, R1E, SBB&M  
USGS 7.5 min. Topographic Map - Fawnskin Quadrangle**