

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

**ORDER NO. 96-001**

**WASTE DISCHARGE REQUIREMENTS  
FOR  
UNITED STATES GYPSUM COMPANY, OWNER/OPERATOR  
WASTE MANAGEMENT FACILITY FOR INERT WASTES  
Plaster City - Imperial County**

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

1. United States Gypsum Company, owner/operator (hereinafter referred to as the discharger), 3810 West Evan Hewes Highway, Plaster City, California, 92244, submitted a Report of Waste Discharge dated June 5, 1995 to update the current Board Order for an existing waste management facility (WMF) for inert waste. The existing facility has been in operation for approximately 45 years and is located at Plaster City in Imperial County.
2. The discharger operates an open pit quarry operation located approximately 26 miles north of Plaster City and produces approximately one million tons of gypsum ore annually. The gypsum ore is crushed at the quarry to a minus six inch size, loaded into 50-ton capacity rail cars and is transported on a private, company-owned railroad to the Plaster City plant. At the plant, the ore is processed through a secondary crushing and grinding operation which produces Portland Cement Rock and Agricultural Gypsum. The remaining gypsum is then calcined to produce base plaster products and a wide variety of gypsum wallboard products. The Plaster City operation is located adjacent to County Highway S-80, 18 miles west of El Centro, in a sparsely populated area of western Imperial County.
3. The discharger disposes of the self-generated, nonhazardous, non-liquid, inert mining refuse materials at its present landfill site. It is the disposal of these inert materials to the landfill that this Board Order regulates. This discharge is presently regulated by Board Order No. 88-60.
4. The total area to be utilized for disposal at the site is expected to be approximately 120 acres located in the SW 1/4, of Section 8, T16S, R11E, SBB&M. The area currently encompasses approximately 60 acres and is expected to increase in size as subsequent materials are placed into the area.
5. The volume of material to be disposed at the facility will be approximately 25 cubic yards-per-day. The total capacity of the facility is 4,694,000 cubic yards, of which approximately 1,105,000 cubic yards have been utilized. The site is relatively flat. Cross sections of the facility show that it is approximately two feet thick along the north boundary and thickens to about 15 feet at the southern boundary.
6. The site is located five miles east of the Coyote Mountains. The site is underlain by sand and alternating layers of sandstone and clay sediments with some gypsum and gravel. The subsurface geology at the site is part of the Imperial Formation. The depth of sediments is estimated to be 11,000 feet. The Elsinore Fault is located approximately eight miles from the site.

7. These waste discharge requirements are being implemented to comply with Section 13263 of the California Water Code and incorporate the applicable provisions of Chapter 15, Division 3, Title 23 of the California Code of Regulations (hereinafter "Chapter 15").
8. "Inert Waste" is described in said Chapter 15 as not containing hazardous waste or soluble pollutants in concentrations in excess of applicable water quality objectives, and does not contain significant quantities of decomposable waste. "Inert Waste" does not need to be discharged at classified waste management units.
9. Ground water in the vicinity of the facility is reported to be at a depth of 100 feet. It is reported to flow in an easterly direction from the Coyote Mountains to Imperial Valley, and then northward toward the Salton Sea. A United States Geological Survey report published in 1977 indicates that TDS values range from 4680 mg/L to 52,400 mg/L for the ground water in the vicinity of the site.
10. Average annual rainfall for the general vicinity of this site is reported to be 4 inches. Ground water recharge in the Imperial Hydrologic Unit in the vicinity of the site is reported to result from deep percolation of runoff from precipitation in the Coyote Mountains.
11. The 100 year, 24-hour precipitation event of the site is approximately 5.0 inches.
12. Recycling of materials that were previously or recently disposed is under consideration by the discharger. The discharger states that "all non-inert waste, not allowed to be disposed on-site, will be disposed of in approved waste management facilities or in other manners in compliance with the law".
13. The Water Quality Control Plan for the Colorado River Basin Region of California (Basin Plan) was adopted on November 17, 1993 and designates the beneficial uses of ground and surface waters in this Region.
14. The designated beneficial uses of ground waters in the Imperial Hydrologic Unit are:
  - a. Municipal supply (MUN)
  - b. Industrial supply (IND)
15. The Board has notified the discharger and all known interested agencies and persons of its intent to update waste discharge requirements for said discharge and has provided them with an opportunity for a public meeting and to submit comments.
16. The Board in a public meeting heard and considered all comments pertaining to this discharge.
17. This Board Order updates the waste discharge requirements to comply with current laws and regulations as set forth in the California Water Code and the California Code of Regulations.
18. Federal regulations for storm water discharges were promulgated by the U. S. Environmental Protection Agency on 16 November 1990 (40 CFR Parts 122, 123, and 124). The regulations require specific categories of facilities which discharge storm water associated with industrial activity to obtain NPDES permits and to implement Best Conventional Pollutant Technology (BCT) to reduce or eliminate industrial storm water pollution.
19. The State Water Resources Control Board adopted Order No. 91-13-DWQ (General Permit No. CAS000001), as amended by Water Quality Order No. 92-12-DWQ, specifying waste discharge

requirements for discharges of storm water associated with industrial activities, excluding construction activities, and requiring submittal of a Notice of Intent by industries to be covered under the Permit.

20. 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, Section 21000 et. seq.).

IT IS HEREBY ORDERED, that Board Order No. 88-060 is rescinded, and in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, the discharger shall comply with the following:

A. Specifications

1. The treatment or disposal of wastes at the facility 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 material shall not be discharged on any ground surface which is less than five feet above the highest anticipated ground water level.
3. Waste material shall be confined to the waste management facility.
4. This discharge shall not cause degradation of any water supply.
5. The waste management facility shall be designed, constructed, operated, and maintained to prevent inundation or washout due to a 24-hour storm having a predicted frequency of once in 100 years.
6. 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.
7. Any wastes which are discharged at this site in violation of these requirements shall be removed and re-located by the discharger.
8. The discharger shall comply with all applicable provisions of said Chapter 15.

B. Prohibitions

1. The discharge or deposit of hazardous waste as defined in said Chapter 15 at this waste management facility is prohibited.
2. The discharge or deposit of designated waste as defined in said Chapter 15 at this waste management facility is prohibited.
3. The discharge of nonhazardous solid waste other than inert waste as defined in said Chapter 15 at the waste management facility is prohibited.
4. The discharge of liquid or semi-solid waste (i.e. waste containing less than 50 percent solids) to the solid waste facility units is prohibited.

5. The discharge of wastes to surface waters, surface water drainage courses, or to ground waters is prohibited.
6. The discharge or deposit of waste to land not owned or controlled by the discharger is prohibited.
7. The discharge of wastewater containing any carcinogen or reproductive toxins listed by the Governor pursuant to Health and Safety Code Sections 25249.5 through 25249.13, also known as the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65), where such chemical passes or probably will pass into any source of drinking water, is prohibited.
8. Materials that can be disposed of in this inert landfill include gypsum and stucco, concrete, glass rock and small amounts of plastic. All other waste materials are prohibited.

C. Provisions

1. 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.
2. 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.
3. The discharger shall maintain visible monuments identifying the boundary limits of the entire waste management facility.
4. The discharger shall comply with "Monitoring and Reporting Program No. 96-001", and future revisions thereto, as specified by the Regional Board's Executive Officer.
5. 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.
6. The discharger shall retain records of all monitoring information, including all maintenance records, copies of all reports required by this Board Order, and records of all data used to complete the application for this Board Order, for a period of at least 5 years from the date of the sample, measurement, report or application. This period may be extended by request of the Regional Board's Executive Officer.

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 January 24, 1996.

  
Executive Officer

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
COLORADO RIVER BASIN REGION**

**MONITORING AND REPORTING PROGRAM NO. 96-001  
FOR  
UNITED STATES GYPSUM COMPANY, OWNER/OPERATOR  
WASTE MANAGEMENT FACILITY FOR INERT WASTES  
Plaster City - Imperial County**

Location of Discharge: SE 1/4 of Section 8, T16S, R11E, SBB&M

**MONITORING**

The discharger shall monitor all disposal to the site and report to the Regional Board the following:

<u>Item</u>	<u>Unit</u>	<u>Reporting Frequency</u>
Inert Material Disposed	Cubic Yards	Semi-Annually
Any discharge of wastes other than those allowed by this Board Order	Type, Volume, and Location	Immediately upon becoming aware that the waste has been discharged together with action for immediate correction and prevention of recurrence

**REPORTING**

1. A semi-annual monitoring report shall be submitted to the Regional Board by January 15 and July 15 of each year.
2. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
3. Records of monitoring information shall include:
  - a. The data, exact place, and time of sampling or measurements.
  - b. The individual(s) who performed the sampling or measurements.
  - c. The date(s) analyses were performed.
  - d. The individual(s) who performed the analyses.
  - e. The results of such analyses.

4. Each report shall contain the following statement:

"I declare under the penalty of law that this documents and all the attachments are true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations".

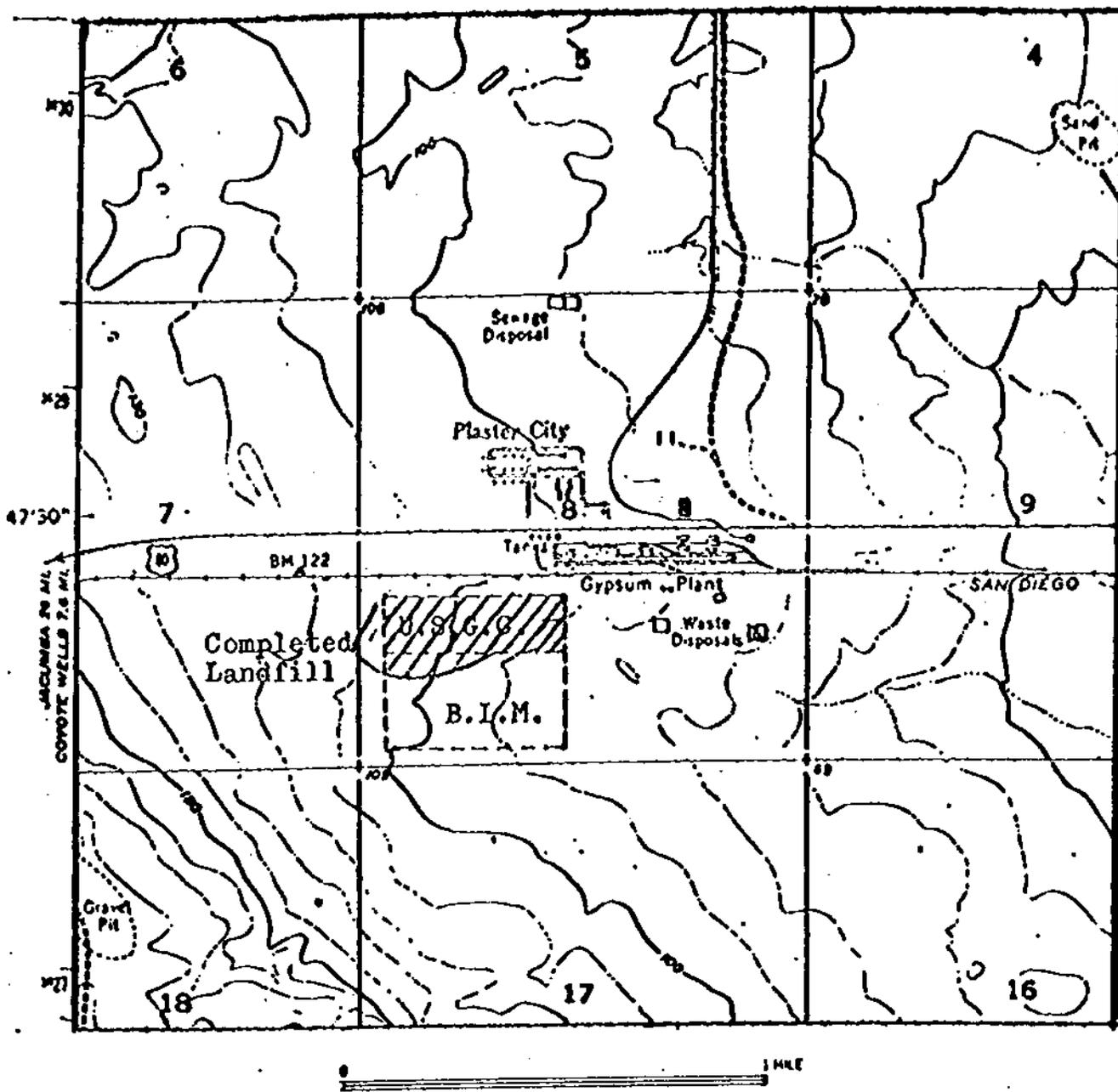
5. Submit monitoring reports to:

California Regional Water Quality Control Board  
Colorado River Basin Region  
73-720 Fred Waring Drive, Suite 100  
Palm Desert, CA 92260

Ordered by: Philip A. Gruenberg  
Executive Officer

January 24, 1996

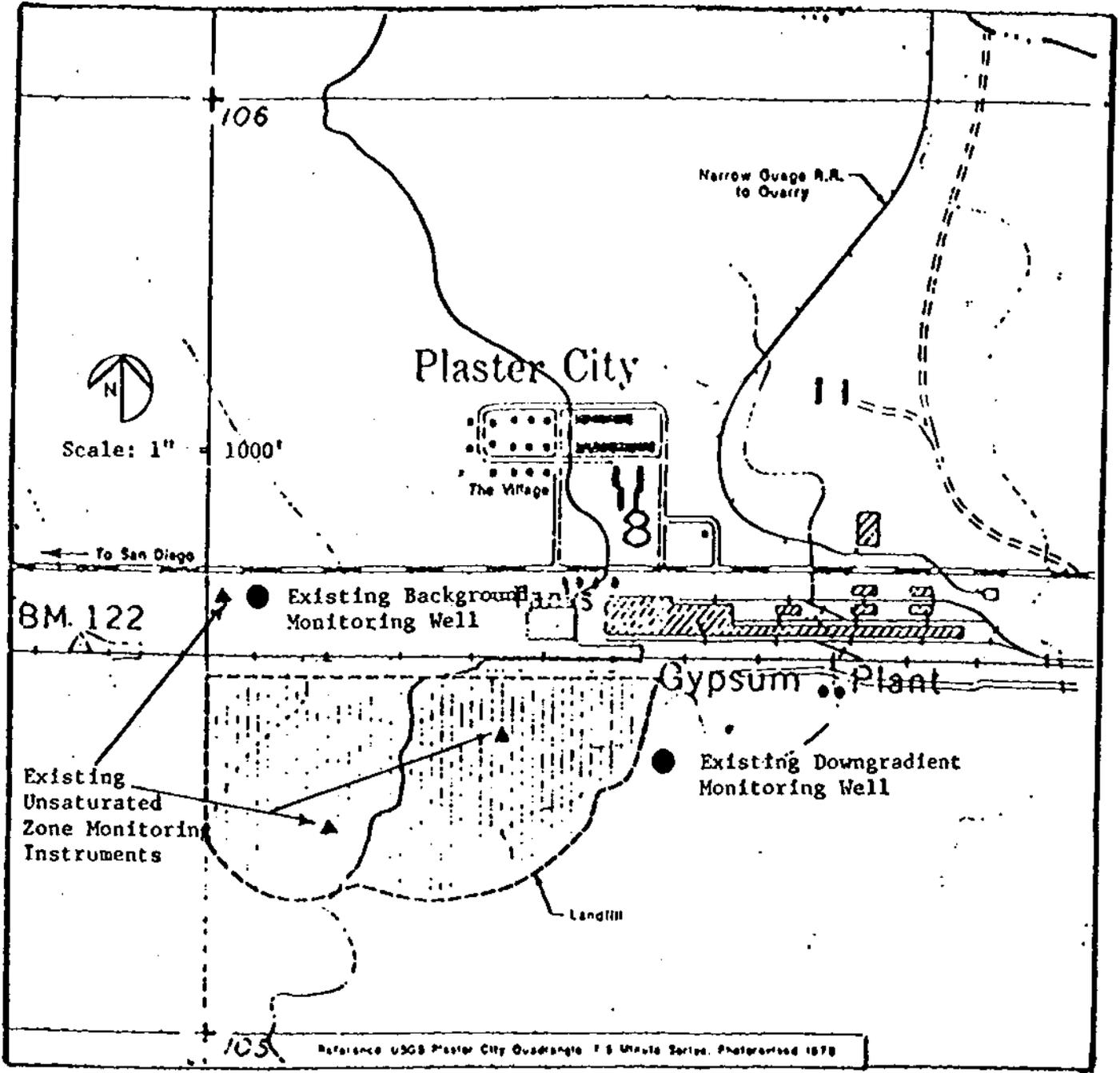
Date



SITE MAP

UNITED STATES GYPSUM COMPANY, OWNER/OPERATOR  
WASTE MANAGEMENT FACILITY FOR INERT WASTES  
Plaster City - Imperial County  
SE 1/4 of Section 8, T16S, R11E, SBB&M  
USGS Plaster City 7 1/2 min. Topographic Map

Board Order No. 96-001



DETAILED SITE MAP

UNITED STATES GYPSUM COMPANY  
WASTE MANAGEMENT FACILITY FOR INERT WASTES  
Plaster City - Imperial County

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