

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

CEASE AND DESIST ORDER NO. 87-18

**ORDER REQUIRING THE COUNTY OF SAN BERNARDINO
TO CEASE AND DESIST DISPOSING OF WASTE TO THE LOWER LEVEL OF THE
BIG BEAR SOLID WASTE DISPOSAL SITE**

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

1. On May 18, 1983, the Regional Board adopted Order No. 83-36, prescribing waste discharge requirements for the discharge of Group 2 and Group 3 wastes by the County of San Bernardino (hereinafter also referred to as the discharger) in the SW $\frac{1}{4}$ of Section 30, and NW $\frac{1}{4}$ of the NW $\frac{1}{4}$, Section 31, T3N, R2E, SBB&M. This property is owned by the United States Department of Agriculture with administration by the United States Forest Service, and is operated by the County of San Bernardino. Waste discharge requirements were prescribed in Board Order No. 73-32 which is superseded by Board Order No. 83-36.
2. Board Order No. 83-36 requires, in part:
 - A. Discharge Specifications
 2. Waste materials shall not be discharged outside the designated disposal areas shown on Attachment "A".
 3. Surface drainage from tributary areas and internal site drainage from surface or subsurface sources shall not contact or percolate through waste, other than Group 3, discharged at this site.
 7. The disposal area shall be protected from any washout or erosion of wastes or covering material and from inundation which could occur as a result of floods having a predicted frequency of once in 100 years.
 8. The exterior surfaces of the disposal areas shall be graded to promote lateral runoff of precipitation and to prevent ponding.
 - B. Prohibitions
 1. The discharge of any wastes to surface drainage courses is prohibited.
3. Violations of the above waste discharge requirements have been observed at the lower level of the site several times since adoption of Board Orders No. 73-32 and 83-36. Enforcement letters have been sent to the discharger to correct these violations. However, corrective measures taken

*Rescinded
8/20/90*

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by the discharger to divert runoff around the site have proven to be inadequate.

4. On October 14, 1976, runoff from a storm entered the lower level of the site and resulted in the development of septic conditions and odor problems. Also, the runoff water eroded the soil cover and waste material from the disposal site. A request was made to the discharger to provide an engineering proposal to correct the violations.
5. On October 26, 1977, a non-compliance letter was sent to the discharger by certified mail concerning the drainage problem with a reminder that the engineering proposal requested by the Regional Board office had not been received.
6. The requested engineering proposal was received on January 3, 1978. However, the drainage channels as proposed were not properly constructed. This was not evident for several years due to the timing of the inspection trips made by Regional Board staff, which did not coincide with major rainstorms.
7. On December 17, 1981, a non-compliance letter was sent to the discharger concerning poor maintenance of the drainage facilities which could have created a leachate problem.
8. On October 24, 1983, a non-compliance letter was sent to the discharger concerning the condition of the lower level as reported by the Regional Board staff during an inspection on October 12, 1983. The required drainage channels were not present and refuse material had eroded and migrated down the canyon.
9. On September 4, 1986, during a compliance inspection, violations of the waste discharge requirements were clearly evident due to a recent high intensity rainstorm and poor drainage facilities at the site. The discharger was informed of these violations by letter dated October 2, 1986.
10. On December 4, 1986 a meeting with the discharger was held at the disposal site to clarify the concerns stated in the letter referred to in Finding No. 9. It was agreed that an interim cover and drainage provisions would be applied to protect the facility during closure for the 1986-87 winter season. It was further agreed that cleanup of the refuse material which was scattered down the canyon would be done as soon as possible.
11. Recent studies and case histories have revealed that leachate production can become a serious problem as result of improper siting and operation of a solid waste disposal facility. It has become evident that the canyon portion of the lower level at Big Bear should not have been used as a disposal site.

IT IS HEREBY ORDERED THAT:

1. The County of San Bernardino cease and desist disposing wastes to the lower level of the Big Bear solid waste disposal site.

2. The County of San Bernardino submit an approved closure plan and post-closure maintenance plan for the lower level of the disposal site in accordance with Sections 2550(d), 2580, 2581, 2593, and 2597, Subchapter 15, Chapter 3, Title 23 of the California Administrative Code to the Regional Board for approval by the Executive Officer.
3. The County of San Bernardino comply with this Order according to the following time schedule:

<u>Task</u>	<u>Completion Date</u>	<u>Report of Compliance Date</u>
- Submit a Hydrologic and Drainage Study Closure Plan and Post-Closure Maintenance Plans	April 1, 1987	-----
- Initiate Closure Plan	May 1, 1987	May 15, 1987
- Progress Report	July 1, 1987	July 15, 1987
- Progress Report	October 1, 1987	October 15, 1987
- Progress Report	January 1, 1988	January 15, 1988
- Progress Report	April 1, 1988	April 15, 1988
- Complete Closure	July 1, 1988	July 15, 1988

4. The County of San Bernardino provide post-closure monitoring reports to this Board. The reports shall be submitted as specified in the attached "Monitoring and Reporting Program No. 87-18", and as may be revised hereafter.

I, Arthur Swajian, 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 21, 1987.


Arthur Swajian
 Executive Officer

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

MONITORING AND REPORTING PROGRAM NO. 87-18
FOR
COUNTY OF SAN BERNARDINO
LOWER LEVEL OF BIG BEAR SOLID
WASTE DISPOSAL SITE
North of Baldwin Lake - San Bernardino County

Location of Discharge: SW $\frac{1}{4}$, Section 30, T3N, R2E, SBB&M.

Monitoring

During the post-closure period, the County of San Bernardino shall report to the Regional Board the following:

1. The structural integrity of the final cover, which includes:
 - A. Settlement.
 - B. Elasticity (shrink, swell, and cracking).
 - C. Erodability.
 - D. Slopes.
2. The structural integrity of all drainage facilities.
3. Leachate production.
4. Condition of surveyed monuments.

Each of the above items shall be certified by a California Registered Civil Engineer.

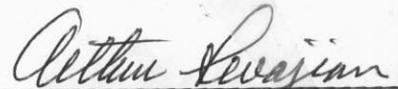
Reporting

Monitoring reports shall be submitted semi-annually to the Regional Board by January 15, and June 15 of each year.

Submit monitoring reports to:

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

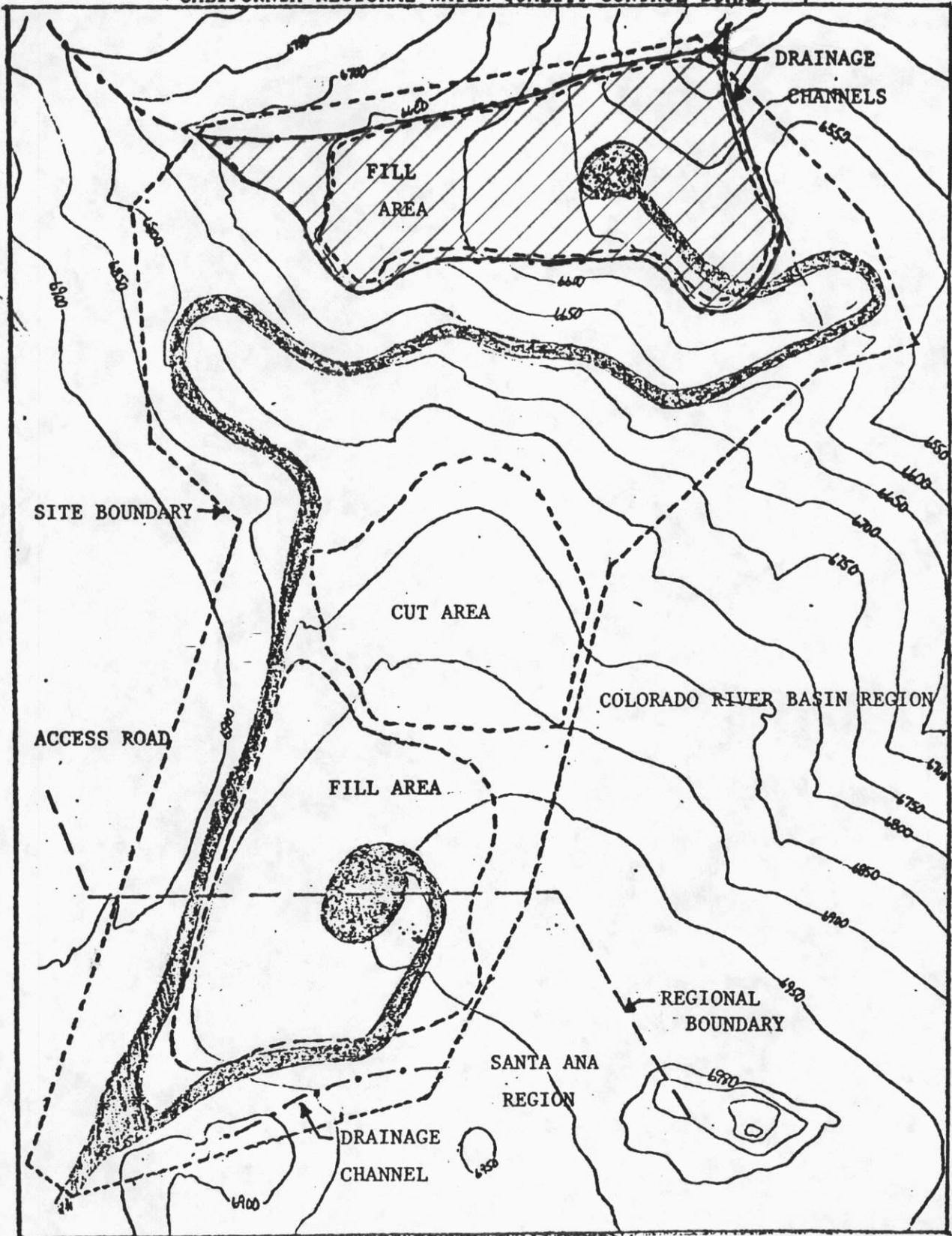
Ordered By:


Executive Officer

January 21, 1987

Date

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ATTACHMENT "A"

BIG BEAR SOLID WASTE DISPOSAL SITE
(Lower level crosshatched)

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION

Addendum No. 1

To

Cease and Desist Order No. 87-18

Order Amending Time Schedule By Which
County of San Bernardino Shall Cease and Desist
Disposal of Wastes to the Lower Level of
the Big Bear Waste Management Facility

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

1. The County of San Bernardino (hereinafter also referred to as the discharger) operates the Big Bear Waste Management Facility (WMF) as a Class III landfill under waste discharge requirements, Order No. 88-68, which was adopted by the Regional Board on May 12, 1988.
2. On January 21, 1987 the Regional Board adopted Cease and Desist Order No. 87-18 for the closure of the lower level of the WMF. The Cease and Desist Order No. 87-18 included a time schedule for the completion of closure work at the lower level by July 1, 1987.
3. The discharger ceased disposal of waste at the lower level and constructed an intermediate cover to provide temporary protection against erosion and drainage problems while undergoing closure.
4. On April 7, 1987 the discharger submitted a closure and post-closure maintenance plan for the lower level of the WMF. The plan was approved on June 22, 1987.
5. The discharger submitted the requested progress reports outlined in Cease and Desist Order No. 87-18. The progress reports indicated that the discharger is facing several difficulties in implementing the closure plan. The difficulties were as follows:
 - a. On January 15, 1988 the discharger reported that a source for the clay layer to be used in construction of the final cover has not been located. The discharger indicated that this may result in delaying the closure work.
 - b. On July 12, 1988 the discharger reported that water supply to be used for compaction and dust control purposes was not available. The discharger requested approval for the use of treated secondary effluent. This request was approved by staff of the Regional Board on July 20, 1988.

- c. On July 22, 1988 the discharger reported that a gas pipeline constructed adjacent to the WMF lower level area had been discovered and thus work plans had to be modified. The discharger submitted the modified plan on September 6, 1988.
- d. On September 22, 1988 the discharger reported that due to anticipated freezing temperatures at the WMF lower level, construction work will be delayed. The discharger requested approval of re-start on April 1, 1989.
6. The Board has notified the discharger and interested agencies and persons of its intent to adopt a revised time schedule for compliance with this Board's Cease and Desist Order No. 87-18.
7. The Board in a public meeting heard and considered all comments pertaining to the existing discharge.

IT IS HEREBY ORDERED THAT, the discharger comply with the following revised time schedule to assure compliance with this Order:

1. On or before April 1, 1989 re-start construction of the closure work at the WMF lower level.
2. On or before June 1, 1989 complete construction of closure work at the WMF lower level.
3. Submit a progress report by April 15, 1989 and a report of completion by June 15, 1989.

Except as modified in this Addendum No. 1, Cease and Desist Order No. 87-18 remains in full force and effect.

I, Arthur Swajian, 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 30, 1988.


Executive Officer