

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

ORDER NO. 87-38

WASTE DISCHARGE REQUIREMENTS
for
BKK CORPORATION
BKK SANITARY LANDFILL
(BKK LEACHATE TREATMENT PLANT)
(File No. 86-76)

The California Regional Water Quality Control Board, Los Angeles Region finds:

1. BKK Corporation dba BKK Sanitary Landfill has filed a report of waste discharge and supplemental information for the reuse of treated wastewater from its Leachate Treatment Plant.
2. BKK Corporation operated a hazardous waste (Class I) disposal facility at 2210 South Azusa Avenue, West Covina, California, under waste discharge requirements contained in this Board's Orders Nos. 78-140 and 84-41, adopted November 27, 1978, and May 21, 1984, respectively, until they voluntarily ceased accepting hazardous wastes after November 30, 1984. BKK has continued the disposal of nonhazardous solid waste and solidified liquid wastes generated from onsite processes over the previously deposited hazardous waste.
3. This Board's Resolution No. 86-8, adopted November 24, 1986, authorized the Executive Officer to approve the Closure Plan for the hazardous waste portion of the site. On December 23, 1986, the Executive Officer did approve the Closure Plan.
4. On March 23, 1987, this Board adopted Order No. 87-39 which prescribes waste discharge requirements for the disposal of nonhazardous solid and inert wastes in an area northeasterly of the former hazardous waste disposal area.

5. BKK Corporation proposes to construct a leachate treatment plant at its West Covina disposal facility to treat liquid hazardous wastes (leachate, gas condensate plus other onsite generated liquids) generated within the landfill from both the former hazardous waste disposal operation, and current and future nonhazardous waste operations and to reuse the treated effluent water for onsite dust control and irrigation.
6. The proposed leachate treatment plant will consist of biophysical treatment followed by clarification and sludge dewatering. The initial design capacity of the treatment plant is 50,000 gallons per day (gpd) and can be expanded to treat up to 100,000 gpd if needed. If the sludge is nonhazardous it will be disposed of onsite.
7. The treated effluent water will normally be temporarily stored in holding tanks where effluent quality is tested prior to mixing with City and collected storm water in a one million gallon reservoir designated for onsite use at an estimated ratio of 1 to 10 (1:10). BKK may also use the effluent without mixing it with City and/or storm water under certain conditions.
8. BKK Sanitary Landfill lies within the Main San Gabriel Hydrologic Subarea, groundwaters of which are beneficially used for municipal, industrial, and agricultural water supply.
9. The Board adopted a revised Water Quality Control Plan for the Los Angeles River Basin on November 27, 1978. The Water Quality Control Plan contains water quality objectives for Main San Gabriel Hydrologic Subarea. The requirements contained in this Order, as they are met, will be in conformance with the goals of the Water Quality Control Plan.
10. The Department of Health Services has conducted an Initial Study (environmental evaluation) to determine if this project could significantly affect the environment. The Initial Study determined that the project as proposed will not have a significant deleterious effect on the environment. Therefore, the Department of Health Services has prepared a Negative Declaration pursuant to the provisions of the California Environmental Quality Act (Section 15073).

The Board has notified the discharger and interested agencies and persons of its intent to adopt waste discharge requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

The Board in a public meeting heard and considered all comments pertaining to the discharge and to the tentative requirements.

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

A. Waste Discharge Requirements

1. Reused water shall be limited to treated effluent water from the leachate treatment plant only, as proposed.
2. Reused water shall not exceed the following limits:

<u>Constituents</u>	<u>Units</u>	<u>Maximum Limit</u>
BOD ₅ 20C	mg/l	60
Oil and Grease	mg/l	15
Vinyl Chloride	mg/l	0.5
BNA	mg/l	0.1
Total Heavy Metals ^[1]	mg/l	1.5
VOA ^[2]	mg/l	1.0

[1] Total heavy metals includes Arsenic, Cadmium, Chromium, Lead, Mercury, Nickel, Selenium, and Silver.

[2] VOA are those priority pollutants defined as purgeable organics.

3. The pH of the reused water shall at all times be within the range 6.0 to 9.0.
4. This reused water shall not contain heavy metals, arsenic or cyanide in concentrations exceeding the limits contained in the current California Drinking Standards.
5. Radioactivity shall not exceed the limits specified in Title 22, Chapter 15, Article 5, Sections 64441 and 64443, California Administrative Code, or subsequent revisions.

B. Specifications for Use

1. Treated water shall be applied by spraying for both irrigation and dust control. Treated waters will not be used in drip irrigation or other surface or subsurface irrigation systems.
2. All use of this treated water shall be within the boundary of the landfill property. During an emergency, this water may be used for firefighting on the site or on undeveloped areas off (and adjacent to) the site.
3. This treated effluent shall be at all times an adequately disinfected oxidized wastewater. The treated water shall be considered adequately disinfected if the median number of coliform organisms in the effluent does not exceed 23 per 100 milliliters, as determined from the bacteriological results of the last 7 weekly samples for which analyses have been completed, and the number of coliform organisms does not exceed 240 per 100 milliliters in any two consecutive samples.
4. This treated water shall be retained on the areas of use and shall not be allowed to escape as surface flow except as provided for in a National Pollutant Discharge Elimination System permit. For the purpose of this requirement, however, minor amount of irrigation return water of secondary quality or better from peripheral areas shall not be considered a violation of this order provided the discharge meets the requirements contained in a National Pollutant Discharge Elimination System Permit for the discharge of effluent from this treatment facility to surface waters.

C. General Requirements

1. The discharge of raw or inadequately treated liquids at any time is prohibited.
2. Treated water shall not be sprayed in geologically unstable areas or so as to cause earth movement.
3. Adequate facilities shall be provided to protect the treatment facility from damage by storm flows and runoff.

4. Neither treatment nor any use of treated water shall cause pollution or nuisance.
5. The treatment and reuse of this wastewater shall not result in problems due to breeding of mosquitoes, gnats, midges or other pests.

D. Provisions

1. A copy of these specifications shall be maintained at the treatment facility so as to be available at all times to operating personnel.
2. In the event of any change in control or ownership of waste treatment facilities presently owned or controlled by the discharger, he shall notify this Board of such change and shall notify the succeeding owner or operator of the existence of this Order by letter, a copy of which shall be forwarded to this Board.
3. The discharger shall file with the Board technical reports on self-monitoring performed according to the detailed specifications contained in any Monitoring and Reporting Programs as directed by the Executive Officer.
4. In accordance with Section 13260 of the Water Code, the discharger shall file a report of any material change or proposed change in character, location or volume of the discharge.
5. The discharger shall notify this Board in writing at least two weeks prior to commencement of this discharge.
6. These waste discharge requirements do not exempt the operator of these waste disposal facilities from compliance with any other laws, regulations, or ordinances which may be applicable, they do not legalize these waste disposal facilities, and they leave unaffected any further restraints on these facilities which may be contained in other statutes or required by other agencies.

BKK CORPORATION
(BKK Leachate Treatment Plant)

File No. 86-76

7. In accordance with Section 13263 of the Water Code, these waste discharge requirements are subject to periodic review and revision by this Regional Board.

I, Robert P. Ghirelli, Executive Officer, do hereby certify that the foregoing is full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Los Angeles Region, on March 23, 1987.

Robert P. Ghirelli

Robert P. Ghirelli, D. Env.
Executive Officer

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

MONITORING AND REPORTING PROGRAM NO. 6770
FOR

BKK CORPORATION
BKK SANITARY LANDFILL
(BKK Leachate Treatment Plant)
(File No. 86-76)

The discharger shall implement this monitoring program at the commencement of discharge. Monitoring reports shall be submitted to the Board monthly, by the first day of the second following month.

I. Reused Water Monitoring

A sampling station shall be established where representative samples of the treated water can be obtained. Treated water samples shall be obtained at a sampling station prior to being mixed with any other waters. The following shall constitute the reused water monitoring program:

<u>Name</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Minimum Frequency of Analysis</u>
Flow*	gpd		daily
pH	pH units	grab	weekly
Coliform	MPN/100 ml	grab	weekly
BOD ₅ 20C	mg/l	24-hour composite	monthly
Oil and Grease	mg/l	24-hour composite	monthly
Vinyl Chloride	mg/l	grab	monthly
BNA	mg/l	grab	monthly
Total Heavy Metals	mg/l	24-hour composite	monthly
VOA	mg/l	grab	monthly
Radium	pCi/l	grab	annually
Gross Alpha	pCi/l	grab	annually
Gross Beta	pCi/l	grab	annually

* The total volume of treated effluent reused each day shall be reported. In the event the effluent is commingled with other waters, the volume of effluent and the total liquid used shall be reported.

II. Reused Water Reporting

1. Within 30 days from the date of commencement of discharge, the discharger shall submit to this Board a technical report concerning the complete description of each existing and/or

MONITORING AND REPORTING PROGRAM
BKK CORPORATION
(BKK Leachate Treatment Plant)

File No. 86-76

proposed coliform sampling station, together with data to support the conclusion that said station is representative of entire flow at point in the treatment process.

2. Each monitoring report shall include:
 - a. A statement that all treated wastewater was used only as specified, and for the uses specified, in the waste discharge requirements during the month.
 - b. Approximate acreage receiving reused water.
 - c. The results of the reused water monitoring.
 - d. Records of operational problem, plant and equipment breakdowns, and diversions to emergency storage or disposal associated with any violation, or potential violations, of waste discharge or monitoring requirements.
 - e. All corrective or preventive actions taken.
3. The following items in the attached General Monitoring and Reporting Provisions shall be applicable to this Program: Items 2,4,5,6,7,8(with the exception that the report shall be due March 1st of each year),9,10,11,12,14, and 15.
4. If all or a portion of the water was not reused during any month because of a failure to meet waste discharge requirements, the report shall so state and identify the disposition of the effluent.

Ordered by:

Robert P. Ghirelli

ROBERT P. GHIRELLI, D.Env.
Executive Officer

DATE: March 23, 1987

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CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

GENERAL MONITORING AND REPORTING PROVISIONS

1. All sampling, sample preservation, and analyses shall be performed in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants", promulgated by the United States Environmental Protection Agency.
2. All chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health.
3. Effluent samples shall be taken downstream of any addition to the treatment works and prior to mixing with the receiving waters.
4. The discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall ensure that both activities will be conducted.
5. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
6. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period. The volume of each individual sample is proportional to the discharge flow rate at the time of sampling. The sampling period shall equal the discharge period, or 24 hours, whichever period is shorter.
7. For every item 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 the earliest time and submit a timetable for correction.
8. By January 30 of each year, the discharger shall submit an annual report to the Board. 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.
9. The discharger shall maintain all sampling and analytical results, including strip charts; date, exact place, and time of sampling; date analyses were performed; 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.

10. In reporting the monitoring data, the discharger shall arrange the data in tabular form so that the data, the constituents, and the concentrations are readily discernible. The data shall be summarized to demonstrate compliance with waste discharge requirements and, where applicable, shall include results of receiving water observations.
11. Monitoring 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.
12. Each report shall contain the following completed declaration:
- " I declare under penalty of perjury that the foregoing is true correct.
- Executed on the _____ day of _____ at _____.
- _____ (Signature)
- _____ (Title)"
13. The discharger shall mail a copy of each monitoring report to the following:
- California Regional Water Quality
Control Board - Los Angeles Region
107 South Broadway, Room 4027
Los Angeles, CA 90012
- ATTN: Executive Officer
14. If no flow occurred (or no waste was deposited) during the reporting period, the report shall so state.
15. These records and reports are public documents and shall be made available for inspection during business hours at the office of the California Regional Water Quality Control Board, Los Angeles Region. Records or reports which might disclose trade secrets, etc., may be excluded from this provision as provided in Section 13267 (b) of the Porter-Cologne Water Quality Control Act, if requested.