California Regional Water Quality Control Board
North Coast Region

Order No. R1-2002-0061
ID No. 1B75043OMEN

WASTE DISCHARGE REQUIREMENTS

FOR

INTERIM CLOSURE
OF
CITY OF UKIAH
CLASS III LANDFILL

Mendocino County

The California Regional Water Quality Control Board, North Coast Region, (hereinafter Regional Water Board) finds that:

1. The City of Ukiah Public Works Department (hereinafter Discharger) owns and operates the Ukiah Sanitary Landfill, an unlined Class III solid waste disposal facility. The Discharger submitted a report, *Final Closure And Postclosure Maintenance Plan For the Ukiah Municipal Solid Waste Disposal Site*, on April 18, 2000. This document served as a Report of Waste Discharge. Supplemental information was submitted in August and December 2000, April and November 2001, and March 2002.

2. The footprint of the existing landfill occupies roughly 40 acres of a 284-acre parcel, designated as Assessors Parcel No 178-13-01. The facility is located at the end of Vichy Springs Road, approximately 3 miles east of Ukiah in the SE 1/4 of Section 10, T15N, R12W, MDB&M as shown in Attachment "A", which is incorporated herein and made part of this Order.

3. The disposal site as delineated in Attachment "B" meets the criteria contained in Title 27, California Code of Regulations (CCR) as a Class III landfill for disposal of non-hazardous solid wastes.

4. The Regional Water Board adopted Order No. 93-83, General Waste Discharge Requirements for Municipal Solid Waste Landfills on September 27, 1993, which amended existing requirements for the Ukiah SWDS. The Regional Water Board adopted Waste Discharge Requirements Order No.94-123 on October 27, 1994 which incorporates Order 93-83, and is currently in effect.

5. Land uses within 1,000 feet of the site are primarily agricultural, residential and livestock grazing. The Vichy Springs Resort is located in the watershed immediately south of the landfill watershed.

6. Groundwater occurs in three geologic units with distinct hydrogeologic characteristics: Franciscan bedrock, continental deposits, and Holocene alluvial deposits. Except for fractured rock located along faults and shear zones, the Franciscan bedrock yields little groundwater. Continental deposits also yield little groundwater where the hydraulic conductivity under confined conditions ranges from 7.5×10^{-6} cm/sec to 2.8×10^{-5} cm/sec. The alluvial deposits constitute the most productive aquifer in the Ukiah Valley. Conductivity for this unconfined aquifer range from 1.6×10^{-5} to 1.6×10^{-4} cm/sec. Monitoring data indicate a chemical difference between the groundwater found in the alluvial material and the groundwater found in the older continental deposits, indicating two separate and distinct aquifers underlying the site. The gradient in the alluvial aquifer appears to the northwest at 0.05 foot per foot. Groundwater interaction between the creek and the continental deposits is dependent on creek flow.

7. The site receives approximately 35 inches of precipitation per year (based on measurements taken at Coyote Dam from 1964 through 1980). The mean annual evaporation is approximately 67 inches. Based on these data, the average net evaporation at the site is about 32 inches per year.

8. The 100-year, 24-hour precipitation event for the site is approximately 7 inches.

9. The site is not within the 100-year floodplain. Drainage structures are in place to divert storm water runoff over and around the site. Runoff from any surface seep is collected and managed as leachate.

10. Surface drainage is to an unnamed tributary to the Russian River. The unnamed tributary is an intermittent stream that runs along the northern edge of the landfill and leaves the site below the landfill toe. The unnamed tributary was relocated to the north during the early years of the landfill. Thus, the northern edge of the landfill overlies portions of the original streambed.

11. No known Holocene fault underlies the area. The closest known fault is the Maacama Fault, located approximately 1 kilometer west of the site.

12. The waste management facility consists of a single landfill containing numerous modules, each constructed on an as-needed basis. Final site contours are contained in the *Final Closure and Postclosure Maintenance Plan* submitted on September 9, 1999. The landfill stopped receiving waste in September of 2001. Local waste streams have been directed to a new off-site transfer station located on Taylor Drive in Ukiah.

CLOSURE ACTIVITIES

13. Since the Ukiah Landfill was not closed prior to the federal deadline (October 9, 1993), the closure requirements of Subtitle D apply to the facility.

14. Monitoring and control systems for leachate, groundwater, and gas are in place and will continue to function during the closure and postclosure periods. A postclosure maintenance program for the monitoring system will be followed. There will be a postclosure maintenance program for the final landfill cover, to ensure its integrity and effectiveness.

15. Final closure activities will entail the construction of a final cover over the entire landfill surface. Closure construction elements include the following tasks:

    - clearing and stripping the existing vegetation from the landfill surface designated to receive final cover,
    - placing and compacting foundation layer material over the entire landfill surface, followed by one foot of low permeability layer material and one foot of vegetative layer material
    - hydroseeding the vegetative layer with native grasses
    - reclaiming/stabilizing existing and proposed on-site borrow areas
    - construction of drainage systems components
    - placing aggregate base rock over portions of existing perimeter roadways
    - removing existing structures from site (site office, household hazardous waste storage container, tool shed, and truck scale)
    - provisions for site security, including installing signs for base security

16. The financial assurance mechanisms consist of an Enterprise Fund for closure and a combination of Enterprise Fund/Pledge of Revenue for post-closure maintenance. The current preliminary cost estimates are approximately $3.7 million for landfill closure and approximately $2.3 million for post-closure maintenance.

17. The discharger is required to update approved cost estimates annually to account for inflation.

CORRECTIVE ACTION

18. A release of waste constituents from the landfill to groundwater was discovered in 1989. Volatile organic compounds (VOCs), including benzene, bromomethane, chloroethane, chloromethane, cis-1,2-dichloroethylene, dichlorodifluoromethane, 1,1-dichloroethane, methyl ethyl ketone, toluene, trichloroethylene, trichlorofluoromethane, and vinyl chloride, have been detected in groundwater at the northern toe of the landfill footprint. The City's consultant submitted a Corrective Action Plan in January 1997. Numerous detection and corrective action monitoring wells have since been installed in the continental deposits and Holocene alluvial deposits. None of the constituents have been found offsite.

19. Three wells were installed to detect potential downgradient migration of the contaminant plume: Well 96-1 (75 feet to the northwest), Well 96-2 (425 feet to the northwest), and Well 96-3 (400 feet to the west).

20. Interim measures to address the release have been implemented including: abandonment of leaking leachate ponds, pumping and removal of leachate build-up from the toe of the fill, and installation of a partial perimeter landfill gas collection system.

21. Although progress has been made in abating sources of groundwater contaminants, further assessment is needed to determine whether corrective action efforts taken thus far have adequately addressed groundwater impacts at the site.

LEACHATE COLLECTION SYSTEM

22. The leachate collection and removal system (LCRS) captures surface contaminated liquid, which is then conveyed via piping to the leachate collection system. Leachate is then transferred to a wet well, where it is pumped into a 63,500-gallon tank. A force main transports it to the City of Ukiah sanitary sewer system for treatment. All constituents have been below a concentration limit acceptable to the Sanitation District.

23. Improvements to the collection systems sump area are needed to ensure that overflows do not occur to leachate ponds which have been taken off-line.

GAS MANAGEMENT PLAN

24. Ten landfill gas-probes have been installed around the property boundary and outside of the waste footprint. The gas probes serve as monitoring points for gas migration away from the waste management unit. Gas probes are to be monitored on a quarterly basis.

25. The City of Ukiah has installed an active perimeter landfill gas extraction system around the western portion of the site to mitigate landfill gas impacts in the vadose zone at the southwestern section of the refuse prism. The gas control system is a partial perimeter landfill gas extraction system consisting of seventeen vertical extraction wells. The wells are connected to a 6-inch HDPE pipe that leads to a vacuum blower. Discharge from the system is vented through a stack to the atmosphere. Landfill gas collection system condensate is piped to the leachate storage tank and thence to the City of Ukiah wastewater treatment system. Additional monitoring and evaluation of this system is needed to determine the adequacy of the design in addressing long-term corrective action groundwater requirements. The system is to be monitored as needed to ensure gas extraction rates are adequate in mitigating landfill gas impacts to the site.

STORM WATER

26. This Order does not replace the need for a NPDES Storm Water Permit as required by provisions of the Clean Water Act.

27. Storm water run-on and run-off from the site is controlled in a series of perimeter ditches, stormdrain pipes, downchutes and sedimentation ponds located throughout the facility. The purpose of the sedimentation basins is to retain runoff, allowing for settling of sediments, and evaporation. The conveyances route storm water around the site and off the waste units prior to their discharge to an unnamed tributary to the Russian River.

28. The discharger has obtained storm water discharge coverage for the facility under the General Industrial, National Pollution Discharge Elimination System (NPDES), Storm Water Permit. The General Permit, No. CAS000001, is issued by the State Water Resources Control Board (SWRCB) under Water Quality Order No. 97-03-DWQ. The permit applies to direct storm water discharges and storm water discharges from the sedimentation basins. The facility is also required to obtain coverage under the General Construction NPDES Storm Water Permit No. CAS000002, Order No. 99-08-DWQ, for construction of all site improvements, 30 days prior to construction activities.

29. The Water Quality Control Plan for the North Coast Region includes water quality objectives and receiving water limitations. The beneficial uses of the Russian River and its tributaries include:

a.	municipal and domestic supply	(MUN)
b.	agricultural supply	(AGR)
c.	industrial service supply	(IND)
d.	industrial process	(PROC)
e.	groundwater recharge	(GWR)
f.	navigation	(NAV)
g.	hydropower generation	(POW)
h.	water contact recreation	(REC1)
i.	noncontact water recreation	(REC2)
j.	commercial and sport fishing	(COMM)
k.	warm freshwater habitat	(WARM)
l.	cold freshwater habitat	(COLD)
m.	wildlife habitat	(WILD)
n.	migration of aquatic organisms	(MIGR)
o.	spawning, reproduction, and/or early development	(SPWN)
p.	estuarine habitat	(EST)
q.	aquaculture	(AQUA)

30. A Mitigated Negative Declaration was prepared and adopted by the City of Ukiah on July 19, 2000, to satisfy the requirements of the California Environmental Quality Act. The Regional Water Board has considered the Mitigated Negative Declaration and has determined that closure and post-closure maintenance activities in accordance with this Order will not result in significant adverse environmental impacts. Required mitigations include continued monitoring of VOC impacts in groundwater and landfill gas extraction and venting rates. Additional mitigations include operating the gas extraction system and initiating corrective action as necessary to mitigate any impacts.

PROCEDURAL REQUIREMENTS

31. All local agencies with jurisdiction to regulate land use, solid waste disposal, air pollution and to protect public health have approved the use of this site for the discharges of waste to land stated herein.

32. The Regional Water Board has notified the Discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.

33. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to this facility and discharge.

34. The permitted discharge is consistent with the provisions of State Water Resources Control Board Resolution No. 68-16, Statement of Policy with Respect to Maintaining High Quality of Waters in California. The impact on the existing quality of water will be insignificant.

THEREFORE, IT IS HEREBY ORDERED that Waste Discharge Requirements Order No. 94-123 is rescinded and the Discharger, 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 PROHIBITIONS

1. Disposal of waste outside of the permitted footprint, shown on Attachment “B”, incorporated herein and made part of this Order, is prohibited.

2. The discharge of "hazardous waste" and "designated waste" at this facility is prohibited. The discharge of leachate from the landfill unit and LCRS at this facility is prohibited. For the purposes of this Order, the terms "hazardous waste" and "designated waste" are as defined in Title 27, CCR.

3. The discharge of any waste not specifically regulated by the effective date of this Order is prohibited.

4. The treatment, storage or disposal of wastes, including leachate, shall not cause contamination, pollution, or nuisance as defined in Section 13050, subdivisions (k), (l) and (m), respectively, of the California Water Code.

5. The Discharger shall not cause the concentration of any Constituent of Concern, as shown on Table 1 of the attached Monitoring and Reporting Program (MRP) Order No. R1-2002-0061, incorporated herein by this reference, to exceed its representative concentration limit in any monitoring medium. The concentration limit for each monitoring parameter will be set in accordance with the MRP. Data analysis shall be performed in accordance with the MRP.

6. The discharge of wastes, including leachate, to surface waters, surface water drainage systems, or groundwater is prohibited.

7. The ponding of liquids, including rainfall runoff and leachate, over solid waste disposal cells is prohibited.

B. WATER QUALITY PROTECTION STANDARDS

1. Water Quality Protection Standards (WQPS) for indicator parameters and waste constituents which are reasonably expected to be in or derived from waste discharged to the landfill are established by background water quality concentrations. WQPS are derived from water quality data obtained in recent years. WQPS for constituents that do not occur naturally are set at minimum laboratory detection limits using standard U.S. EPA analytical methods.

2. The list of water quality Constituents of Concern as required under Section 20395, Title 27, CCR includes:

   a. Volatile organic compounds
   b. Semivolatile organic compounds
   c. Dioxins and Furans
   d. Polynuclear Aromatic Compounds
   e. Metals
   f. Minerals
   g. General water quality parameters

   Monitoring parameters are specified in the Monitoring and Reporting Program Order No. R1-2002-0061.

3. Concentration limits for waste constituents shall be equal to the water quality protection standards contained in WATER QUALITY PROTECTION STANDARD B.1 above unless it is determined that a release has occurred and corrective action measures are necessary. Concentration limits will be reconsidered in the event that corrective action measures are required.

4. Points of compliance are defined as a vertical projection from the down gradient edge of the landfill to the groundwater phreatic surface.

C. DISCHARGE SPECIFICATIONS

1. Containment structures such as caps shall receive final inspection by Regional Water Board staff, and approval by the Executive Officer of the Regional Water Board (Executive Officer).

2. In the event that leachate is removed from the landfill, it shall be handled and disposed of in a manner approved by the Executive Officer.

3. Surface drainage from tributary areas and internal site drainage shall not contact or percolate through wastes discharged at the site.

4. Final cover shall conform to criteria specified in **D. CONSTRUCTION SPECIFICATIONS** contained in this Order.

5. By October 1, annually, any necessary erosion control measures shall be implemented and any necessary construction, maintenance or repairs of drainage control facilities shall be completed prior to the onset of the rainy season, to minimize erosion and prevent flooding at the site. All disturbed areas shall be seeded with an appropriate grass mixture to minimize erosion. Rainfall runoff from all disturbed areas shall be channeled through sedimentation basins to minimize sedimentation in surface drainages below the site. Sedimentation basins shall be cleaned out before the rainy season as necessary to maintain adequate sedimentation basin capacity. The Executive Officer may delete the requirement of submitting annual erosion control reports upon a finding that the site is adequately stabilized and that no erosion control work is necessary prior to the return of winter rains.

6. Leachate collection and removal systems shall be operated so as to minimize buildup of leachate in the landfill and minimize conditions of saturated garbage. Leachate removed from the landfill shall be discharged into above ground structurally sound storage tanks or other method approved by the Executive Officer, and piped to the City of Ukiah treatment plant. Storage tanks shall be designed with appropriate overflow containment.

D. CONSTRUCTION SPECIFICATIONS

1. Waste Management Unit (WMU) containment structures shall be designed, constructed, and operated to prevent inundation or washout due to floods with a 100-year return period. WMU containment structures shall be constructed and maintained to prevent, to the greatest extent possible, ponding, infiltration, inundation, erosion, slope failure, washout, and overtopping under 100-year, 24-hour precipitation conditions.

2. All WMU containment structures and erosion and drainage control systems shall be designed and constructed under the direct supervision of a California professional civil engineer, or a certified engineering geologist, and shall be certified by that individual as meeting the prescriptive standards and performance goals of Title 27, CCR. Designs shall include a Construction Quality Assurance Plan, the purpose of which is to:

   a. Demonstrate that the structures have been constructed according to the specifications and plans approved by the Regional Water Board, and

   b. provide quality control on the material and construction practices used to construct the structures and prevent the use of inferior products and/or materials that do not meet the approved design plans and specifications.

3. Materials used to construct final cover or repair shall have appropriate physical and chemical properties to ensure containment of wastes over the closure and post-closure maintenance period. Construction quality assurance and as-built drawings shall be submitted to the Regional Water Board within 60 days of final cover construction or repair.

4. Final cover shall consist of at least two feet of compacted foundation materials, overlain by at least one foot of compacted clay at a hydraulic conductivity of 1 x 10^{-6} centimeters per second or less, overlain by one foot of vegetative layer. Permeability of final cover shall be determined in the field and in the laboratory using techniques approved by the Executive Officer. Construction methods and quality assurance procedures shall be sufficient to ensure that all parts of the final cover meet the permeability and stability requirements. Final cover materials shall be designed and constructed to function with a minimum of maintenance. Installation of final cover shall be under the direct supervision of a California professional civil engineer or certified engineering geologist. Materials and construction techniques shall meet the specifications and requirements in the final closure plan.

5. Vegetation shall be established upon completion of the final cover. Vegetation shall be selected to require a minimum of irrigation and maintenance. Rooting depth shall not be in excess of the vegetative soil thickness.

6. Closed landfill units shall be graded to at least a three-percent grade and maintained to prevent ponding and infiltration.

7. Final cover shall conform to criteria specified in D. Construction Specifications contained in this Order. The Discharger shall install a sufficient number of permanent survey monuments on and near the landfill from which elevation of the disposal cells can be determined. Such monuments shall be installed by a California licensed surveyor or professional civil engineer.

8. Closure of each WMU shall be performed under the direct supervision of a California professional civil engineer or certified engineering geologist.

9. All containment structures shall meet the general criteria set forth in Section 20320, Title 27 CCR.

10. All containment structures shall meet the requirements of Sections 20310 through 20370, Title 27 CCR.

E. PROVISIONS

1. The Discharger shall implement interim closure plans in accordance with the time schedule outlined below:

   By September 15, 2002, the Discharger shall submit a Final Closure Plan Amendment detailing all construction specifications required in accordance with Title 27, CCR for the construction closure of the site.

   By September 15, 2002, the Discharger shall submit a workplan to address full containment of the collection system sump emergency overflow area.

   By November 15, 2002, the Discharger shall submit an updated corrective action cost estimate for known and foreseeable releases and demonstration of financial assurances in accordance with Sections 22220-22222, Title 27, CCR.

2. By July 15, 2002, the Discharger shall submit an updated scope of work to comply with quarterly landfill gas monitoring requirements.

3. By December 15, 2002, the Discharger shall submit an updated corrective action report detailing the status of interim corrective actions taken thus far and outlining any additional needed work to abate ongoing discharges to groundwater from leachate and landfill gas sources.

4. By January 15, annually, the Discharger shall submit a report to the Regional Water Board concerning operation of the leachate collection and removal system. The collection and removal system shall be tested annually to demonstrate proper operation.

5. The Discharger shall comply with Monitoring and Reporting Program No. 2002-0061, the General Monitoring and Reporting Provisions, and the Contingency Planning and Notification Order No. 74-151 and any modifications to these documents as specified by the Executive Officer. Such documents are attached to this Order and incorporated herein.

6. If the Discharger determines that a previously unknown physical release from the waste management unit as defined in Section 20385, Title 27 CCR, has occurred, the Discharger shall:

a) Immediately notify the Regional Water Board verbally and take all necessary corrective actions. Written notification shall be provided within 7 days of occurrence.

b) Within 90 days institute an evaluation-monitoring program, in accordance with Section 20425, Title 27, CCR.

7. Upon initial determination that there is statistical evidence of a previously unknown release from a waste management unit, the Discharger shall:

a. Immediately notify Regional Water Board staff verbally of the finding and provide written notification by certified mail within 7 days.

b. Immediately initiate the verification monitoring to verify that there is a statistically significant release. Results of the verification procedure and initial statistical test shall be reported to the Regional Water Board by certified mail within 7 days of the last laboratory analysis.

c. If the verification procedure confirms there is statistically significant evidence of a previously unknown release from the waste management unit, the Discharger shall:

1) Within 30 days sample all monitoring points in the affected medium and determine the concentration of all constituents of concern.

2) Within 90 days submit a revised report of waste discharge proposing an evaluation program meeting the provisions of Section 204425, Title 27, CCR.

3) Within 180 days of verifying statistically significant evidence of a release from a waste management unit, submit an engineering feasibility study for a corrective action program. The corrective action program shall meet requirements of Section 20430, Title 27, CCR, at a minimum.

8. If the Discharger verifies that there has been a statistically significant release from a waste management unit, the Discharger may demonstrate that a source other than the waste management unit caused the evidence of a release or that the evidence is an artifact caused by an error in sampling, analysis, or the data analysis protocol. The Discharger may make a demonstration in addition to or in lieu of submitting an amended report of waste discharge and an engineering feasibility study. The Discharger is not relieved of the requirements above unless the demonstration report is accepted by the Executive Officer. In making a demonstration, the Discharger shall:

a. Within 7 days of verifying evidence of a release, submit a report to the Regional Water Board by certified mail that the Discharger intends to make a demonstration pursuant to Section 20420, Title 27 CCR.

b. Within 90 days of verifying evidence of a release, submit a report to the Regional Water Board that demonstrates that a source other than the waste management unit caused the apparent release.

c. Within 90 days of verifying evidence of a release, submit an amended report of waste discharge to make any appropriate changes to the detection-monitoring program.

9. The Discharger shall notify the Regional Water Board in writing of any proposed change in ownership or responsibility for closure or post closure maintenance of the landfill. This notification shall be given prior to the effective date of the change and shall include a statement by the new Discharger remaining closure and post closure maintenance activities will be in compliance with any existing waste discharge requirements and any revisions thereof. The Regional Water Board shall amend the waste discharge requirements to name the new Discharger.

10. The Discharger shall notify the Regional Water Board by telephone immediately upon learning of any flooding, equipment failure, slope failure, or other change in site conditions which could impair the integrity of waste or leachate containment facilities or the precipitation and drainage control structures. Confirmation shall follow in writing within two weeks of the telephone notification. Any site condition that threatens the integrity of the containment features or disposal site shall be promptly corrected.

11. 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.

12. A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.

13. By January 15, annually, the Discharger shall submit evidence that an adequate financial assurance mechanism for closure, postclosure maintenance and corrective action for known of foreseeable releases is still in effect.

14. By November 15, 2002 and January 15, annually thereafter, the Discharger shall submit a statement that the cost estimate for closure, postclosure maintenance and corrective action for known or foreseeable releases has been reviewed and is still adequate or increase the amount if necessary.

15. By January 15, annually, the Discharger shall submit a statement that the postclosure maintenance plan has been reviewed, is still adequate and in conformance with existing regulations.

16. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

17. Operation and Maintenance

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.

18. Change in Discharge

The Discharger shall promptly report to the Regional Water Board any material change in the character, location, or volume of the discharge.

19. Change in Ownership

In the event of any change in control or ownership of land or waste discharge facilities presently owned or controlled by the Discharger, the Discharger shall notify the succeeding owner or operator of the following items by letter, a copy of which shall be forwarded to the Regional Water Board:

a. existence of this Order, and

b. the status of the Discharger's annual fee account

20. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the Discharger from his liability under federal, state, or local laws, nor create a vested right for the Discharger to continue the waste discharge.

21. Monitoring

The Discharger shall comply with the Contingency Planning and Notification Requirements Order No. 74-151 and the Monitoring and Reporting Program No. R1-2002-0061 and any modifications to these documents as specified by the Executive Officer. Such documents are attached to this Order and incorporated herein. Chemical, bacteriological, and bioassay analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.

22. Inspections

The Discharger shall permit authorized staff of the Regional Water Board:

a. entry upon premises in which a waste 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 or records; and

d. sampling of any discharge.

23. Noncompliance

In the event the Discharger is unable to comply with any of the conditions of this Order due to:

a. breakdown of waste treatment equipment;

b. accidents caused by human error or negligence; or

c. other causes such as acts of nature;

the Discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

24. Revision of Requirements

The Regional Water Board will review this Order periodically and may revise requirements when necessary.

Certification

I, Susan A. Warner, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, North Coast Region, on June 27, 2002

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Susan A. Warner
Executive Officer