



California Regional Water Quality Control Board

Lahontan Region



Linda S. Adams
Secretary for
Environmental Protection

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Arnold Schwarzenegger
Governor

October 30, 2009

TO: ATTACHED MAILING LIST

WDID NO. . 6B360908004

TENTATIVE WATER RECYCLING REQUIREMENTS FOR HIGH DESERT POWER PROJECT SAN BERNARDINO COUNTY

Enclosed are tentative Water Recycling Requirements (WDRs) for the above subject.

The California Regional Water Quality Control Board requests that you review the enclosed documents and provide us with your written comments no later than **November 30, 2009**. Comments received after that date cannot be given full consideration in preparation of the recommended Board Order to be presented to the Regional Board for adoption at the meeting scheduled for December 9 and 10, 2009.

If you need further information, please contact me at (760) 241-7306.

Sincerely,

Rebecca Phillips
Office Technician

Enclosures: Tentative Board Order
Comment form

cc: Mailing List

Notice
Submittal of Written Material for Regional Board Consideration

In order to ensure that the State of California Lahontan Regional Water Quality Control Board has the opportunity to fully study and consider written material, it is necessary to submit it at least ten (10) days before the Regional Board Meeting. Pursuant to Title 23 of the California Code of Regulations, Section 648.2, the Regional Board may refuse to admit written testimony into evidence unless the proponent can demonstrate why he or she was unable to submit the material on time or that compliance with the deadline would otherwise create a hardship. If any other party demonstrates prejudice resulting from admission of the written testimony, the Regional Board may refuse to admit it.

COMPLETE FORM AND RETURN

To: CA Regional Water Quality Control Board, Lahontan Region
14440 Civic Drive, Suite 200
Victorville, CA 92392
ATTN: John Morales

Comments: TENTATIVE RECYCLING REQUIREMENTS FOR HIGH DESERT POWER PROJECT, SAN BERNARDINO COUNTY

_____ We concur with proposed requirements

_____ We concur; comments attached

_____ We do not concur; comments attached

_____ (Sign)

_____ (Type or print name)

_____ (Organization)

_____ (Address)

_____ (City and State)

_____ (Telephone)

HIGH DESERT POWER PROJECT TENTATIVE MAILING LIST

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GORDON INNES
SWRCB
DIVISION OF WATER QUALITY
SACRAMENTO

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**

**BOARD ORDER NO. R6V-2009-TENTATIVE
WDID NO. 6B360908004**

**WATER RECYCLING REQUIREMENTS
FOR
HIGH DESERT POWER PROJECT**

San Bernardino County

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

1. User – Producer - Distributor

On August 24, 2009, the High Desert Power Project, LLC, hereinafter the "User," submitted an application/Report of Waste Discharge (RWD) for the proposed use of recycled water from the Victor Valley Wastewater Reclamation Authority (VWRA), hereinafter the "Producer," for cooling applications at the High Desert Power Project (Facility). VWRA produces recycled water at its waste treatment facility and will provide recycled water to the City of Victorville. The City of Victorville, hereinafter (Distributor) through its Victorville Water District subsidiary, will distribute the recycled water obtained from VWRA to the High Desert Power Project. For the purposes of this Order, "recycled water" as defined in the California Water Code (CWC), section 13050 and "reclaimed water" as used in CWC section 13523 are synonymous and refer to treated wastewater suitable for reuse.

2. Facility Location

The Facility is bordered to the east by Perimeter Road in the City of Victorville. To the west is previously graded but undeveloped land extending to the Southern California Logistics Airport (SCLA) operation area. The Facility is located in Section 24, Township 6 North, Range 5 West of San Bernardino Baseline and Meridian (Attachment A).

3. Other Related Requirements

The discharge of treated wastewater from the Producer's wastewater treatment plant (WWTP) is regulated by Board Order No. 6-99-58 (Waste Discharge Identification No. 6B360109001 and National Pollutant Discharge Elimination System No. CA 0102822) adopted on February 14, 2008.

The Facility is not currently authorized to receive recycled water from the Producer until its Water Recycling Requirements (WRRs) are updated to include the proposed reuse by HDPP, LLC. It is expected that the Producer's WRRs will be amended sometime in 2010.

4. Reason For Action

CWC, Section 13523, provides the authority by which the Water Board can prescribe water reclamation (recycling) requirements for users and/or producers of recycled water, following consultation with the California Department of Public Health (CDPH).

California Code of Regulations (CCR), title 22, section 60323 requires the submittal of an Engineering Report to the CDPH for any proposed wastewater reuse. CDPH and Water Board staff approved the Engineering Report submitted for this proposed use in a letter dated September 23, 2009. Currently, the Facility uses State Water Project (SWP) water as the primary source of cooling tower make-up water. The User proposes to use up to 1,000 acre-feet per year (afy) of recycled water and blend it with treated SWP water for cooling tower make-up water. The blend ratio will vary depending on the quality of the recycled water and the SWP water, as well as the water demands of the Facility.

The use of CCR, Title 22 compliant reclaimed water from the Producer blended with SWP water is anticipated to begin in 2010.

5. Recycled Water Transmission and Distribution System

The User proposes to install an 18-inch diameter HDPE recycled water pipeline that will connect to an existing 16-inch diameter recycled water pipeline. (Attachment B).

6. Supplemental Water Supply

The Facility uses SWP water from the California Aqueduct as its primary source of water. However, when the SWP water is not available, the Facility withdraws and uses SWP water that has been previously injected into an Aquifer Banking System (ABS). A small amount of water is sometimes recycled for cooling tower use from the ABS ultra filtration system, the filter backwash cleaning water and the zero liquid discharge (ZLD) system.

After recycled water is blended with SWP water in the cooling tower for make-up purposes, it will cycle through the existing ZLD system. This system will provide for reuse of recycled water and eliminate the need for a wastewater discharge.

7. Treatment Processes

The SWP water is treated at an on-site treatment facility before it is used for power plant operations or injected into the ABS when SWP water is available.

The SWP water enters the plant at a flow rate of up to 5,856 gallons per minute (gpm). The plant pre-treatment system for the SWP water includes suspended solids and turbidity removal. Clarified SWP is supplied to the ABS system and the power block. The clarified SWP water that will be used as cooling tower

make-up water is stored in the clarified water tank and pumped to the cooling tower basin as needed.

The existing supply line to the cooling tower basin has an air gap of more than 1 foot to prevent backflow and cross connection.

The blow-down from the cooling tower basin is treated through the ZLD system, consisting of a softener, micro-filtration system (MF), a reverse osmosis (RO) system and a crystallizer. The RO permeate supplies a portion of the cooling tower make-up water (Attachment C).

Under no circumstances will the recycled water be cross-connected with other water systems. Moreover, recycled water will not be allowed to enter the ABS.

VWRA will produce recycled water from municipal wastewater which has gone through sedimentation, oxidation, coagulation, filtration and disinfection processes after having passed through screening, primary, and secondary treatment processes. Recycled water must meet California Code of Regulations, title 22 requirements to be used for any application within California.

The expected quality of the recycled water supply is presented in Table 1.

Table 1. Title 22 Recycled Water Requirements

Turbidity	Less than 2 NTU Average
Turbidity	Greater than 5 NTU not more than 5 % of the time during a 24 hour period
Turbidity	Less than 10 NTU at all times
Total Coliform Bacteria	2.2 MPN per 100 ml per sample, median reading not to exceed over any 7-day continuous period
Total Coliform Bacteria	23 MPN per 100 ml per sample, not to occur more than once within 30 days
Total Coliform Bacteria	240 MPN per 100 ml in any sample
Disinfection CT	Greater than or equal to 450 mg-min/L with a minimum modal contact time of at least 90 minutes under peak dry weather conditions

NOTES:

CT=Product of chlorine residual concentration and detention time

mgd=Million gallons per day

mg-min/L=Milligrams-minutes per liter

ml=Milliliters

MPN=Most probable number

NTU=Nephelometric turbidity units

8. Cooling Tower Features

A cooling tower operates on the principle of heat transfer between water and atmospheric air by creating water droplets through spraying and developing thin films of water in the tower fill, thereby exposing large surface areas of water to air. This process allows heat to be transferred into the atmosphere.

The Facility cooling tower is a counter-flow tower consisting of a wood framework with a system of water distribution pipes and nozzles within the framework. The heat exchange medium consists of Polyvinylchloride fill. The system also includes a basin to collect the cooled water and direct it back to the circulating pumps. Fans are employed to move air through the fill as necessary for proper heat exchange. Drift eliminators are used to control drift loss from the tower. Before the air flow is permitted to exit through the top of the tower, it must pass through the drift eliminators. These are a block of material shaped to cause the air to change directions and thus provide impact surfaces that prevent droplets from being carried out of the tower with the air flow. Per the Engineering Report, it is expected that up to 1.1 gpm, or 0.0006 percent of the total flow into the tower will escape from the tower as drift.

9. California Environmental Quality Act

The California Energy Commission is the lead agency under the California Environmental Quality Act (CEQA). The California Energy Commission has issued a staff analysis, which serves as a supplement to a petition for modification to use reclaimed water, submitted by High Desert Power Project, LLC. The supplement is a CEQA-equivalent document used by the California Energy Commission. The Lahontan Water Board evaluated the impacts to water quality addressed in the environmental documents and finds the impact to water quality from the proposed water reuse project will be insignificant.

10. Receiving Waters

The receiving waters are the ground waters of the Upper Mojave Hydrologic Area of the Mojave Hydrologic Unit (Department of Water Resources [DWR] Unit No. 628.20). The ground water basin is called the Upper Mojave River Valley (DWR Unit No 6-42).

11. Lahontan Basin Plan

The Regional Board adopted a Water Quality Control Plan for the Lahontan Region (Basin Plan) which became effective on March 31, 1995, and this Order implements the Basin Plan as amended.

12. Beneficial Uses – Ground Water

The beneficial uses of the ground waters of the Upper Mojave Valley ground water basin as set forth and defined in the Basin Plan are as follows:

- a. Municipal and Domestic Supply (MUN)
- b. Agricultural Supply (AGR)
- c. Industrial Service Supply (IND)
- d. Freshwater Replenishment (FRSH)
- e. Aquaculture (AQUA)

13. Notification of Interested Parties

The Regional Board has notified the User, Producer and interested persons of its intent to adopt Water Recycling Requirements for the High Desert Power Project, LLC.

14. Consideration of Public Comments

The Regional Board, in a public meeting, heard and considered all comments pertaining to the recycled water use project.

15. State Water Board Recycled Water Policy

State Water Board Resolution No. 2009-0011, "Adoption of a Policy for Water Quality Control for Recycled Water," references and adopts the "State Water Resources Control Board Recycled Water Policy" (Recycled Water Policy). The Recycled Water Policy provides direction to the State and Regional Water Boards regarding the appropriate criteria to be used in issuing permits for recycled water projects. The Recycled Water Policy describes permitting criteria intended to streamline, and provide consistency for, the permitting of the vast majority of recycled water projects. This Order implements the Recycled Water Policy.

IT IS HEREBY ORDERED pursuant to CWC, sections 13523, 13263, and 13267 that the User shall comply with the following:

I. Effluent Specifications

The total flow of recycled water to the Facility shall not exceed the capacity of the Facility to accept it for cooling tower make-up water.

II. User Recycled Water Requirements

- A. The User must follow the requirements in title 22, section 60306, the use of recycled water for cooling, which states:

"(a) *Recycled water used for industrial or commercial cooling or air conditioning that involves the use of a cooling tower, evaporative condenser, spraying or any mechanism that creates a mist shall be a disinfected tertiary recycled water.*

• • •
(c) Whenever a cooling system, using recycled water in conjunction with an air conditioning facility, utilizes a cooling tower or otherwise creates a mist that could come in contact with employees or members of the public, the cooling system shall comply with the following:

(1) *A drift eliminator shall be used whenever the cooling system is in operation.*

(2) *A chlorine, or other, biocide shall be used to treat the cooling system recirculating water to minimize the growth of Legionella and other micro-organisms."*

B. The recycled water may only be used for make-up water use in the cooling towers at the Facility.

A. Recycled water to the cooling towers as make-up water shall not be used at other locations or for uses other than those specified in this Order. Before any use may be changed or expanded, the User/Producer must file a revised Report of Recycled Water Use to the Regional Board in accordance with CWC, section 13523, a revised CCR, title 22 engineering report (approved by the state Department of Public Health (DOPH) and the Regional Board must issue new or modified Water Reclamation Requirements.

B. Blended recycled water with SWP water shall be delivered to the cooling towers at the Facility at such a rate and volume as not to exceed cooling tower needs and to prevent excessive drift greater than the specified volume stated in the recycled water engineering report.

C. The User shall designate an on-site supervisor responsible for the operation of the recycled water distribution system. The supervisor shall be responsible for enforcing this Order. Prevention of potential hazards, the installation, operation, and maintenance of the distribution system, maintenance of the distribution system plans in "as-built" form, and for the distribution of the recycled wastewater in accordance with this Order.

III. General Requirements and Prohibitions for recycled Water Use applicable to both the Producer and the User

A. There shall be no discharge, bypass or diversion of the recycled water to be used in the cooling towers at the Facility.

- B. The use of reclaimed water shall not directly or indirectly cause a nuisance, a pollution or a threatened pollution from the use of this water in the point of use at the Facility.
- C. All facilities used for collection, transport, treatment, or disposal of waste regulated by these Water Recycling Requirements shall be adequately protected against overflow, washout, inundation, structural damage, or a significant reduction in efficiency resulting from a 24-hour storm or flood having a recurrence interval of once in 100 years.
- D. A copy of these Water Recycling Requirements shall be maintained at VVWRA and at the Facility so as to be available at all times to operating personnel.
- E. The User may not accept recycled water from the Producer for use at the Facility until such time that the Producer's WRRs are amended by the Water Board for the reuse.
- F. The Producer shall be responsible for assuring that recycled water is delivered and utilized in conformance with this Order, the recycling criteria contained in CCR, title 22, division 4, chapter 3, sections 60301 through 60355, and the "Guidelines for Use of Reclaimed Water" by the state DOPH. The Producer shall conduct periodic inspections of the Facility to monitor compliance by the User with this Order.

IV. Provisions

- A. High Desert Power Project, LLC shall comply with Monitoring and Reporting Program No. R6V-2009-(TENTATIVE) as specified by the Executive Officer.
- B. The User shall immediately notify the Water Board whenever an adverse condition occurs as a result of this reuse; written confirmation shall follow. An adverse condition includes, but is not limited to, a release of recycled wastewater from the cooling towers from a source other than from the drift produced.
- C. The user shall include the following condition in any oral or written provision for disposition of recycled water:

"Any subsequent user of reclaimed water from the above user hereby authorizes, at all reasonable times, the User or any authorized representative of the Water Board to enter upon the property where the recycled water is being used and to investigate such person's use of recycled water."

- D. Any proposed material change in the character of water to be recycled, method of reuse, location of reuse or quantity of recycled water shall be reported to the Water Board.
- E. The Water Board hereby reserves the privilege of changing all or any portion of this Order upon legal notice to and after opportunity to be heard is given to all concerned parties.
- F. The owner(s) of property subject to recycling requirements shall be considered to have a continuing responsibility for ensuring compliance with applicable recycling requirements in the operation or use of the owned property. Any change in the ownership and/or the operation of property subject to recycling requirements shall be reported to the Water Board. Notification of applicable recycling requirements shall be furnished the new owner(s) and or operator(s). A copy of such notification shall be sent to this Water Board.
- G. The Discharger must comply with the "Standard Provisions of Waste Discharge Requirements," dated September 1, 1994, in Attachment "D" which is made part of this Order.

Ordered by: _____ Dated: December 9, 2009
HAROLD J. SINGER
EXECUTIVE OFFICER

Attachments: A. General Vicinity Map
B. Proposed 18-inch recycled water pipeline
C. Process Flow Diagram
D. Standard Provisions for Waste Discharge Requirements

JM/rp BO2009/HighDesertPP/Tentative/HDPP WRR

ATTACHMENT A

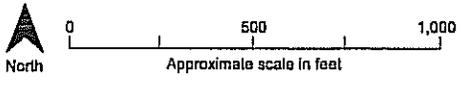
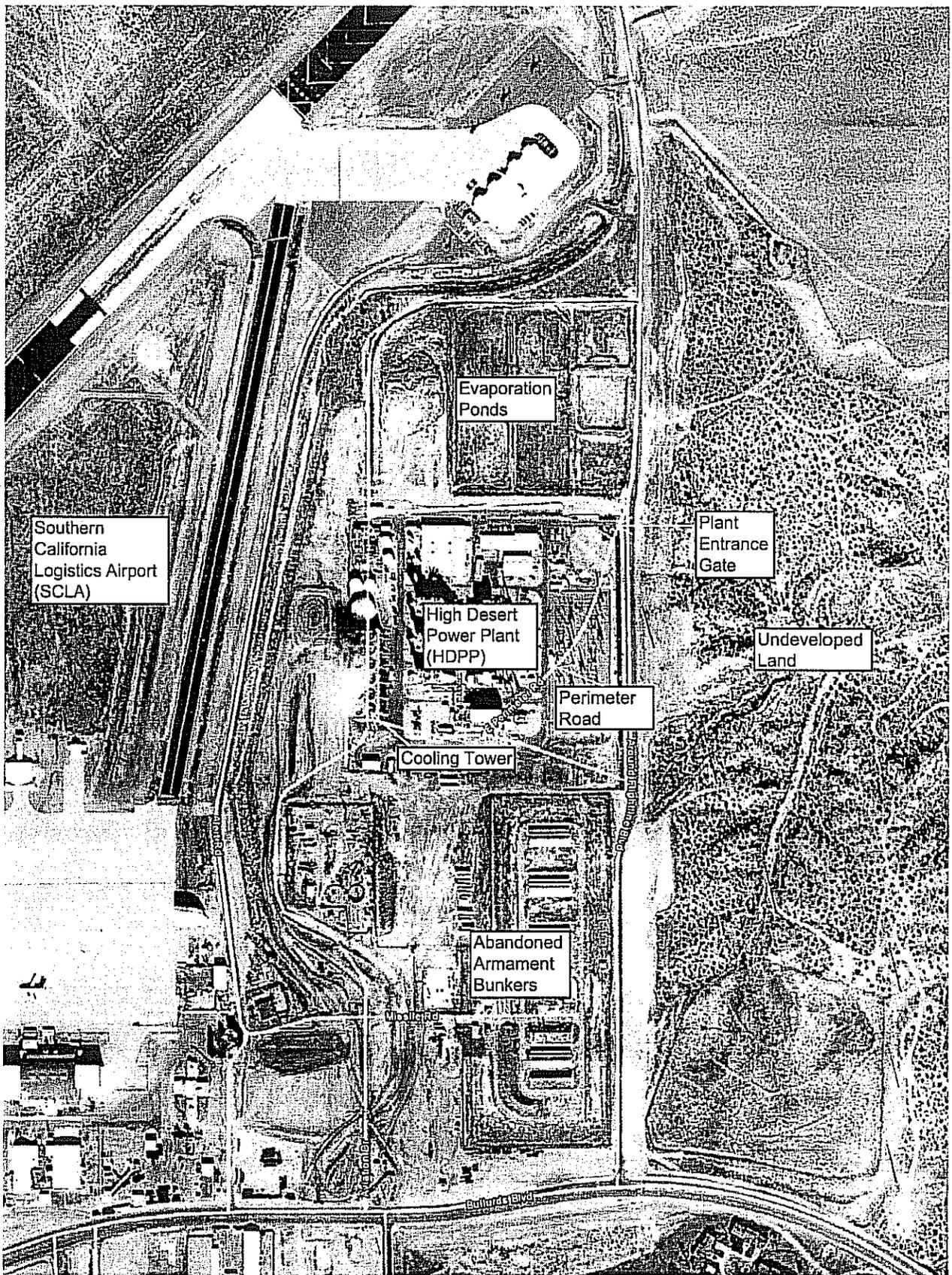


FIGURE 1-1
HDPP Vicinity Map
Victorville, CA

Aerial image © Google Earth, 2009. Annotation by CH2M HILL, 2009.
JMSTBD.SCO366932.ER.02 HDPP_vicinity.ai 2/09

ATTACHMENT B

GENERAL NOTES:

1. FURNISH 18" recycled water pipeline.
2. ALL UNDERGROUND PIPELINE SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MILWAUKEE FIRE DEPARTMENT STANDARDS.
3. THE FIRE DEPARTMENT STANDARDS ARE AVAILABLE IN FORMS WITH CITY OF MILWAUKEE FIRE DEPARTMENT FIREHOUSE.

SEE PLAN FOR UNDERGROUND
PIPELINE

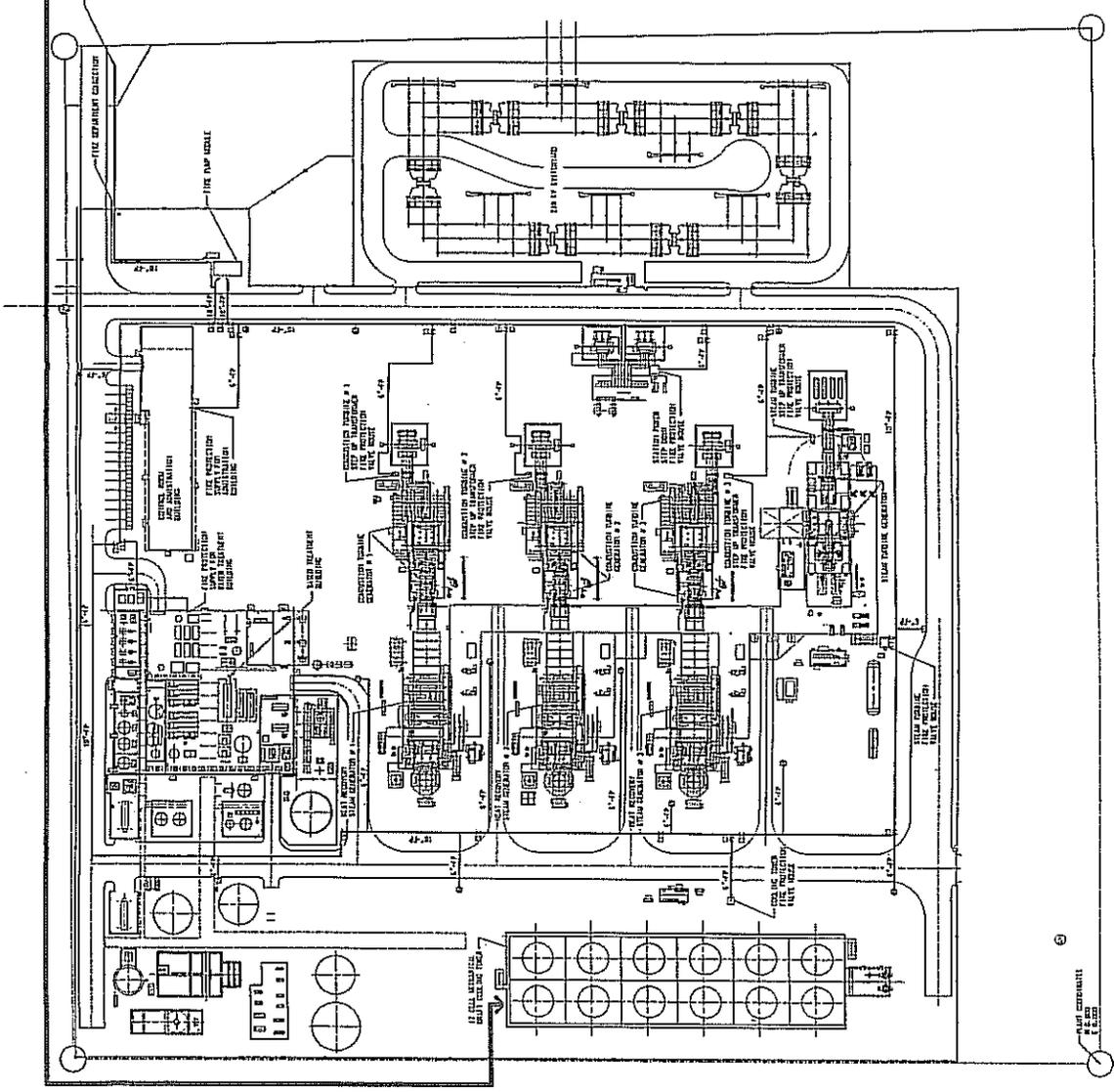
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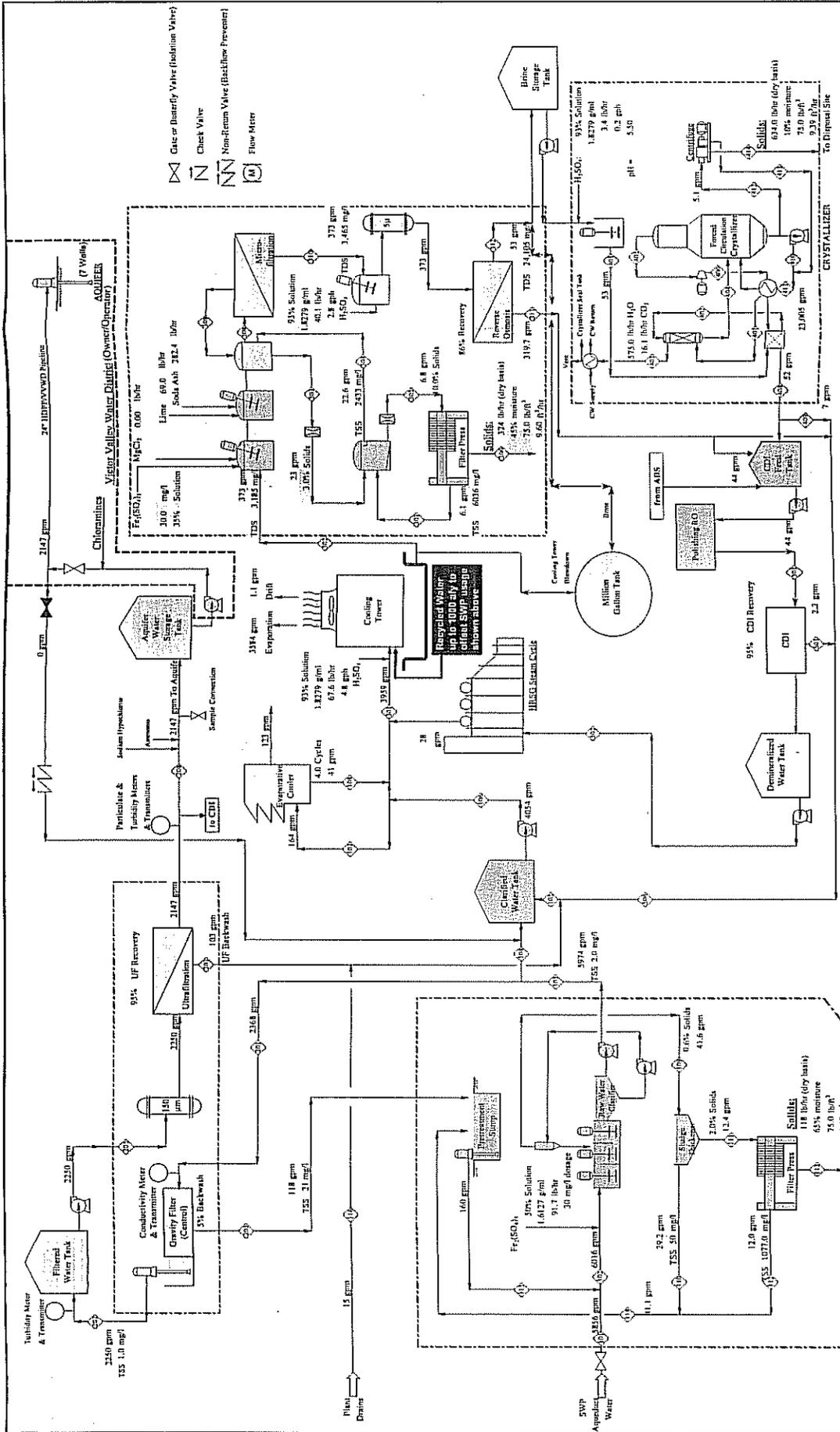
MILWAUKEE FIRE DEPARTMENT

 <p>Bibb and Associates FIRE PROTECTION ENGINEERS</p>	 <p>HEWITT INDUSTRIAL CO. A POWER COMPANY</p>
	 <p>HIGH DESERT POWER PROJECT LLC</p>
<p>HIGH DESERT POWER PROJECT</p>	
<p>FIRE PROTECTION UNDERGROUND PIPELINE ARRANGEMENT</p>	
<p>DATE: 11/15/07 BY: [Signature] CHECKED: [Signature] DESIGNED: [Signature]</p>	<p>SCALE: 1" = 40'-0"</p>

Proposed 18" recycled water pipeline



ATTACHMENT C



**Water Treatment System
Water Balance
Case 4 (98°F, Avg Water Quality)**

Bibb
dirt associates
A KIEWIT COMPANY

HIGH DESERT POWER PROJECT LLC

HIGH DESERT POWER PROJECT

KIEWIT INDUSTRIAL CO.
A Kiewit Company

Water Treatment System
Water Balance
Case 4 (98°F, Avg Water Quality)

SHEET 1 of 1
DRAWING NUMBER 20-148-WB-004

REV	DESCRIPTION	DATE
1	Issued for Service Reviews	4-24-23
2	Issued for Construction	2-25-23
3	Issued for Construction	5-14-23
4	Issued for Construction	5-14-23
5	Issued for Construction	5-16-23
6	Issued for Construction	5-16-23
7	Issued for Construction	5-16-23

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION**STANDARD PROVISIONS**
FOR WASTE DISCHARGE REQUIREMENTS1. Inspection and Entry

The Discharger shall permit Regional Board staff:

- a. to enter upon premises in which an effluent source is located or in which any required records are kept;
- b. to copy any records relating to the discharge or relating to compliance with the Waste Discharge Requirements (WDRs);
- c. to inspect monitoring equipment or records; and
- d. to sample any discharge.

2. Reporting Requirements

- a. Pursuant to California Water Code 13267(b), the Discharger shall immediately notify the Regional Board by telephone whenever an adverse condition occurred as a result of this discharge; written confirmation shall follow within two weeks. An adverse condition includes, but is not limited to, spills of petroleum products or toxic chemicals, or damage to control facilities that could affect compliance.
- b. Pursuant to California Water Code Section 13260 (c), any proposed material change in the character of the waste, manner or method of treatment or disposal, increase of discharge, or location of discharge, shall be reported to the Regional Board at least 120 days in advance of implementation of any such proposal. This shall include, but not be limited to, all significant soil disturbances.
- c. The Owners/Discharger of property subject to WDRs shall be considered to have a continuing responsibility for ensuring compliance with applicable WDRs in the operations or use of the owned property. Pursuant to California Water Code Section 13260(c), any change in the ownership and/or operation of property subject to the WDRs shall be reported to the Regional Board. Notification of applicable WDRs shall be furnished in writing to the new owners and/or operators and a copy of such notification shall be sent to the Regional Board.
- d. If a Discharger becomes aware that any information submitted to the Regional Board is incorrect, the Discharger shall immediately notify the Regional Board, in writing, and correct that information.
- e. Reports required by the WDRs, and other information requested by the Regional Board, must be signed by a duly authorized representative of the Discharger. Under Section 13268 of the California Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars (\$1,000) for each day of violation.

- f. If the Discharger becomes aware that their WDRs (or permit) are no longer needed (because the project will not be built or the discharge will cease) the Discharger shall notify the Regional Board in writing and request that their WDRs (or permit) be rescinded.

3. Right to Revise WDRs

The Regional Board reserves the privilege of changing all or any portion of the WDRs upon legal notice to and after opportunity to be heard is given to all concerned parties.

4. Duty to Comply

Failure to comply with the WDRs may constitute a violation of the California Water Code and is grounds for enforcement action or for permit termination, revocation and re-issuance, or modification.

5. Duty to Mitigate

The Discharger shall take all reasonable steps to minimize or prevent any discharge in violation of the WDRs which has a reasonable likelihood of adversely affecting human health or the environment.

6. Proper Operation and Maintenance

The Discharger shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) that are installed or used by the Discharger to achieve compliance with the WDRs. Proper operation and maintenance includes adequate laboratory control, where appropriate, and appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems that are installed by the Discharger, when necessary to achieve compliance with the conditions of the WDRs.

7. Waste Discharge Requirement Actions

The WDRs may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Discharger for waste discharge requirement modification, revocation and re-issuance, termination, or a notification of planned changes or anticipated noncompliance, does not stay any of the WDRs conditions.

8. Property Rights

The WDRs do not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

9. Enforcement

The California Water Code provides for civil liability and criminal penalties for violations or threatened violations of the WDRs including imposition of civil liability or referral to the Attorney General.

10. Availability

A copy of the WDRs shall be kept and maintained by the Discharger and be available at all times to operating personnel.

11. Severability

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

12. Public Access

General public access shall be effectively excluded from treatment and disposal facilities.

13. Transfers

Providing there is no material change in the operation of the facility, this Order may be transferred to a new owner or operation. The owner/operator must request the transfer in writing and receive written approval from the Regional Board's Executive Officer.

14. Definitions

- a. "Surface waters" as used in this Order, include, but are not limited to, live streams, either perennial or ephemeral, which flow in natural or artificial water courses and natural lakes and artificial impoundments of waters. "Surface waters" does not include artificial water courses or impoundments used exclusively for wastewater disposal.
- b. "Ground waters" as used in this Order, include, but are not limited to, all subsurface waters being above atmospheric pressure and the capillary fringe of these waters.

15. Storm Protection

All facilities used for collection, transport, treatment, storage, or disposal of waste shall be adequately protected against overflow, washout, inundation, structural damage or a significant reduction in efficiency resulting from a storm or flood having a recurrence interval of once in 100 years.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

MONITORING AND REPORTING PROGRAM NO. R6V-2009-TENTATIVE
WDID NO. 6B360908004

WATER RECYCLING REQUIREMENTS
FOR
HIGH DESERT POWER PROJECT

San Bernardino County

I. INSPECTIONS AND MONITORING

A. Requirements

1. The User must inspect every month all signage that informs the public that recycled water is currently being used for make-up water in the cooling towers. Maintenance of this signage is required. The results of this inspection must be reported by the User in its quarterly reporting requirements.
2. The Distributor must inspect the recycled water distribution system annually for cross-connections with potable water supply and report any findings to be included in the annual report.
3. The User must test the performance of the drift eliminators on the cooling towers for optimum performance and proper function and include any findings in the quarterly reports.
4. The User shall maintain a free chlorine residual of 0.5 mg/L in the cooling tower basin. This monitoring shall be reported in the quarterly reports.
5. The User shall maintain the pH of the water in the cooling tower basin within the range 6.0 to 9.0. This monitoring shall be reported in the quarterly reports.
6. The fecal coliform bacteria level at the terminal point of the make-up water prior to entering the cooling tower basin must not exceed zero. This limitation may be verified by a testing result of "not detectable". If a test result indicates that the fecal coliform is present, the User shall immediately inspect and adjust, if necessary, the chlorination levels and follow procedures established in the Operating Protocol, to terminate treated wastewater pumpage into the cooling towers until corrective actions have been implemented and the fecal coliform level is not detectable. This monitoring shall be reported in the quarterly reports.

II. REPORTING

For every item where the Order requirements are not met, the User shall submit a statement of the actions undertaken or proposed which will bring the discharge into compliance with requirements at the earliest time and submit a timetable for correction.

A. Annual Report

An annual report shall contain tabular and graphical summaries of the prior year's monitoring data. The compliance record shall be evaluated and a summary provided of corrective actions taken or planned to bring the User into full compliance with the Order.

Beginning on **January 1, 2011** and continuing thereafter, the User must submit an annual report to the Lahontan Water Board with the following information:

1. Documentation of status of the User's compliance with the attached Water Recycling Requirements;
2. The compliance record and the corrective actions taken or planned, which are necessary to bring the User into full compliance with the Water Recycling Requirements;
3. The User's time schedule for completing corrective actions needed to achieve compliance.

B. Summary of Monitoring and Reporting

Report Designation	Monitoring Period	Reporting Date
Monthly Reports – inspections of signage	Quarterly	1 st of the following month after each quarter end period
Monthly Reports – aerosol mists inspections	Quarterly	1 st of the following month after each quarter end period
Monthly Reports – Performance of drift eliminators	Quarterly	1 st of the following month after each quarter end period
Annual Report	Prior year	January 2012

C. General Provisions

The Discharger must comply with Attachment A, "General Provisions for Monitoring and Reporting", dated September 1, 1994, which is attached to and made a part of this Monitoring and Reporting Program.

Ordered by: _____
HAROLD J. SINGER
EXECUTIVE OFFICER

Dated: December 9, 2009

Attachment: A. General Provisions for Monitoring and Reporting September 1, 1994.

JM/rp BO2009/HighDesertPP/Tentative/HDPP WRR MRP

TENTATIVE

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LAHONTAN REGION

GENERAL PROVISIONS
FOR MONITORING AND REPORTING

1. **SAMPLING AND ANALYSIS**

- a. All analyses shall be performed in accordance with the current edition(s) of the following documents:
 - i. Standard Methods for the Examination of Water and Wastewater
 - ii. Methods for Chemical Analysis of Water and Wastes, EPA
- b. All analyses shall be performed in a laboratory certified to perform such analyses by the California State Department of Health Services or a laboratory approved by the Regional Board Executive Officer. Specific methods of analysis must be identified on each laboratory report.
- c. Any modifications to the above methods to eliminate known interferences shall be reported with the sample results. The methods used shall also be reported. If methods other than EPA-approved methods or Standard Methods are used, the exact methodology must be submitted for review and must be approved by the Regional Board prior to use.
- d. The Discharger shall establish chain-of-custody procedures to insure that specific individuals are responsible for sample integrity from commencement of sample collection through delivery to an approved laboratory. Sample collection, storage, and analysis shall be conducted in accordance with an approved Sampling and Analysis Plan (SAP). The most recent version of the approved SAP shall be kept at the facility.
- e. The Discharger shall calibrate and perform maintenance procedures on all monitoring instruments and equipment to ensure accuracy of measurements, or shall insure that both activities will be conducted. The calibration of any wastewater flow measuring device shall be recorded and maintained in the permanent log book described in 2.b, below.
- f. A grab sample is defined as an individual sample collected in fewer than 15 minutes.
- g. A composite sample is defined as a combination of no fewer than eight individual samples obtained over the specified sampling period at equal intervals. The volume of each individual sample shall be 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.

2. OPERATIONAL REQUIREMENTS

a. Sample Results

Pursuant to California Water Code Section 13267(b), the Discharger shall maintain all sampling and analytical results including: strip charts; date, exact place, and time of sampling; date analyses were performed; sample collector's name; 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 Regional Board.

b. Operational Log

Pursuant to California Water Code Section 13267(b), an operation and maintenance log shall be maintained at the facility. All monitoring and reporting data shall be recorded in a permanent log book.

3. REPORTING

a. 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 shall submit a timetable for correction.

b. Pursuant to California Water Code Section 13267(b), all sampling and analytical results shall be made available to the Regional Board upon request. Results 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 Regional Board.

c. The Discharger shall provide a brief summary of any operational problems and maintenance activities to the Board with each monitoring report. Any modifications or additions to, or any major maintenance conducted on, or any major problems occurring to the wastewater conveyance system, treatment facilities, or disposal facilities shall be included in this summary.

d. Monitoring reports shall be signed by:

i. In the case of a corporation, 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;

ii. In the case of a partnership, by a general partner;

iii. In the case of a sole proprietorship, by the proprietor; or

- iv. 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.
- e. Monitoring reports are to include the following:
 - i. Name and telephone number of individual who can answer questions about the report.
 - ii. The Monitoring and Reporting Program Number.
 - iii. WDID Number.
- f. Modifications

This Monitoring and Reporting Program may be modified at the discretion of the Regional Board Executive Officer.

4. NONCOMPLIANCE

Under Section 13268 of the Water Code, any person failing or refusing to furnish technical or monitoring reports, or falsifying any information provided therein, is guilty of a misdemeanor and may be liable civilly in an amount of up to one thousand dollars (\$1,000) for each day of violation under Section 13268 of the Water Code.

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