

## Industrial Wastewater Discharge Permit

New Permit Number 12-02-2023 Page 1 of 13

Previous Permit Number: 12-02-2018

Initial Effective Date of Permit: 7-15-2008

Issued on: 12-19-2023

Expiration Date of Permit: 12-18-2028

In accordance with the provisions of the City of Klamath Falls Sewer Use Ordinance, Industry Name: **Klamath Energy, LLC** (Herein known as Permittee), located at: **4940 Highway 97 South, Klamath Falls, Oregon 97603**, discharging to the City of Klamath Falls, is hereby authorized to discharge wastewater from the above identified facility, and through the discharge points identified in Section I.A., into the public sanitary sewer system in accordance with the conditions set forth in this permit. The Permittee is identified as an **Significant Industrial User** with **Categorical Industrial User restrictions as described in Section I. B.**, and is responsible for complying with the conditions identified in the City's most recently approved Sewer Use Ordinance.

This permit is effective on **December 19<sup>th</sup>, 2023**, and will expire on **December 18<sup>th</sup>, 2028**. This permit is issued based upon the information provided in the "Data Disclosure Form", submitted on **November 13, 2023**, and **Klamath Falls Water Use Summary submitted November 13, 2023**. Discharges not identified in the Application may be cause for enforcement as identified in the following paragraph.

Compliance with this permit does not relieve the Permittee of its obligation to comply with any or all applicable pretreatment regulations, standards or requirements under local, State, and Federal laws, including any such regulations, standards, requirements, or laws that may become effective during the term of this permit. Noncompliance with any term or condition of this permit, or any compliance schedule, shall constitute a violation of the City of Klamath Falls Sewer Use Ordinance, and may be grounds for administrative action or enforcement proceedings including civil or criminal penalties (of up to \$25,000 but not less than \$1,000 per day per violation), injunctive relief, and summary abatement, as identified in the city's Sewer Use Ordinance.

In no case shall this permit be transferred to another owner, partnership or corporation without prior written permission from the City. Permittees wishing to transfer a permit to a new owner must notify the City in writing at least 60 days in advance of any anticipated transfer. Written notification must include information by the new owner which certifies the new owner's intent not to change the facility's operations or processes; identifies the specific date on which the transfer is to occur; and acknowledges full responsibility for complying with the wastewater discharge permit.

Failure to provide advance notice of a transfer renders the wastewater permit void on the date of the facility transfer. In the event ownership of the permitted discharges changes, the owner of this permit shall provide a copy of this permit to the new owner or operator.

A Permittee may be required to re-apply for an Industrial Waste Discharge Permit at least 90 days prior to the expiration date, in accordance with the requirements of the City of Klamath Falls Sewer Use Ordinance.

By: [Signature]  
Pretreatment Program Administrator

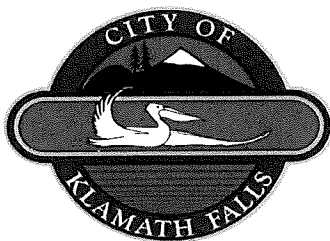
Issued this 19<sup>th</sup> day of December 2023

[Signature]  
Industry Representative  
Acknowledge Receipt of Permit

Date: 12-19-23

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## SECTION 1

### MONITORING REQUIREMENTS/EFFLUENT LIMITATIONS

1.A. During the effective period of this permit, the Permittee is authorized to discharge those **approved** process wastewaters from the outfall(s) listed in the Application, Klamath Falls Water Use Summary and further defined below:

**Outfall Number: 001 Description: Reclaim Effluent Blowdown from the cooling towers 40CFR 423.17 (a)(4)(ii)**

**Outfall Number: 002 Description: Low Volume Waste as described in 40CFR 423.11(b)(c)(d), pumped out sump discharges from the Klamath Generation Peakers, and seasonal heat exchanger chemical cleaning waste after copper limitation requirements have been met per 40CFR 423.17(a)(2)**  
Refer to sampling diagram(s) in Section 5 of this permit

1.B. Applicable Regulation(s): City of Klamath Falls Sewer Use Ordinance, Local Limits

EPA Categorical Classification: 40 CFR 423.17 Steam Electric Power Generating Point Source

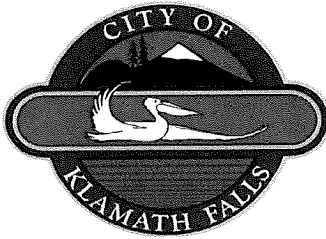
The discharge(s) from the above-identified outfall(s) shall not exceed the following effluent limitations. The Permittee shall monitor and report the information from the above-identified outfall(s) for the following parameters, at the indicated frequency:

| Parameter          | Regulations (CFR, LL BMP) | Units | Outfall | Effluent Limitations |                    |             | Frequency  | Sample Type                      |
|--------------------|---------------------------|-------|---------|----------------------|--------------------|-------------|------------|----------------------------------|
|                    |                           |       |         | Daily Min.           | Daily Max.         | Monthly Avg |            |                                  |
| See Attachment "A" | 40CFR423.17               | mg/l  | 001     | N/A                  | See Attachment "A" | N/A         | Twice/Year | Time Composite or Grab Composite |
| Cr                 | 40CFR423.17               | mg/l  | 001     | N/A                  | 0.2                | N/A         | Twice/Year | Time Composite or Grab Composite |
| Zn                 | 40CFR423.17               | mg/l  | 001     | N/A                  | 1.0                | N/A         | Twice/Year | Time Composite or Grab Composite |
| pH                 | 40CFR423.17               | Units | 001     | 6.0                  | 9.0                | N/A         | Continuous | pH Chart Recorder                |
| Flow               | -                         | MGD   | 001     | -                    | -                  | 1.58        | Continuous | Flow Meter                       |
| Cu*                | 40CFR423.17(b)            | mg/l  | 002     | N/A                  | 1.0                | N/A         | Each Batch | Grab                             |
| Flow               | -                         | MGD   | 002     | -                    | -                  | 0.25        | Continuous | Flow Meter                       |
| pH                 | LL                        | Units | 002     | 5.5                  | 12.5               | N/A         | Continuous | pH Chart Recorder                |
| As                 | LL                        | mg/l  | 002     | N/A                  | 1.78               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Cd                 | LL                        | mg/l  | 002     | N/A                  | 0.44               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Cu                 | LL                        | mg/l  | 002     | N/A                  | 1.10               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Pb                 | LL                        | mg/l  | 002     | N/A                  | 0.57               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Mo                 | LL                        | mg/l  | 002     | N/A                  | 1.80               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Hg                 | LL                        | mg/l  | 002     | N/A                  | 0.0022             | N/A         | Twice/Year | Time Composite or Grab Composite |
| Ni                 | LL                        | mg/l  | 002     | N/A                  | 2.95               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Se                 | LL                        | mg/l  | 002     | N/A                  | 5.97               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Ag                 | LL                        | mg/l  | 002     | N/A                  | 0.031              | N/A         | Twice/Year | Time Composite or Grab Composite |
| Zn                 | LL                        | mg/l  | 002     | N/A                  | 2.31               | N/A         | Twice/Year | Time Composite or Grab Composite |
| Cn                 | BMP                       | mg/l  | 002     | N/A                  | BMP                | N/A         | Per BMP    | Time Composite or Grab Composite |

\* Seasonal Heat Exchanger Chemical Cleaning Waste  
Best Management Practices requirements (if applicable).

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The City of Klamath Falls and Klamath Energy will work cooperatively to develop and implement any applicable BMP's for the reduction of pollutants. Periodic performance monitoring may be necessary to evaluate if a BMP is effective in improving water quality.

Monitoring Waiver Granted Yes: NO: X Date: \_\_\_\_\_

Klamath Energy has supplied the city with the necessary engineering calculations (Attachment "B") for Outfall 001 as described in 40 CFR 423.17(a)(4)(ii) demonstrating that the regulated pollutants are not detectable in the final discharge by the analytical methods in 40 CFR part 136. The calculations have historically been reviewed and approved by both the ORDEQ and the City of Klamath Falls, and it has been determined that they are sufficient to meet the requirements set forth in 40 CFR 423.17(a)(4)(ii). This shall be reviewed as necessary upon process or chemical changes at the Klamath Energy facility and/or at each permit cycle renewal in order to ensure continued compliance.

## 1.C. Additional Permit Conditions:

The following additional permit conditions apply for purposes of this discharge permit. By accepting this permit, the user acknowledges that all known constituents that could be disposed of into the sanitary sewer system have been disclosed to the City.

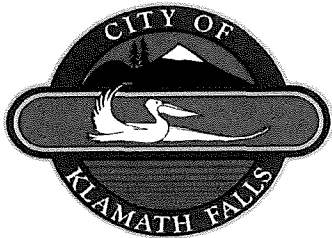
1. **Semi Annual Certification of "No discharge of PCB's" for both outfalls 001 & 002 40CFR 423.17 (a)(1)** Sampling for PCB's is only required once per permit cycle to satisfy the certification statement.
2. For Monitoring Waivers (if applicable) see Section 4.J of this permit.
3. **Season Heat Exchanger Chemical Cleaning Waste.** Per 40 CFR 423.17(a)(2), a more stringent Copper limit of 1.0 mg/L shall apply to this discharge;
  - a) City of Klamath Falls local limits shall apply to this discharge at outfall 002. As long as this discharge does not have any negative affect in allowing PKE to meet local limit requirements at outfall 002, no additional sampling will be necessary.
  - b) Quantities and sample data shall be submitted to the City prior to discharge, and also within PKE's semi-annual report if discharged within that reporting period;
  - c) A 48 hour notification shall be made to the City of Klamath Falls prior to the discharge; and,
  - d) The discharge shall be through Outfall 002.

1.D. In the event compliance monitoring shows any constituent regulated under local limits not otherwise specified in this permit to be approaching its local limit, additional sampling and testing may be required to assure continued compliance with 40 CFR Part 403.

1.E. All collection, preservation, handling and laboratory analyses of samples for compliance monitoring shall be performed in accordance with 40 CFR Part 136, and amendments thereto, unless specified otherwise in this permit. If a commercial laboratory performs sampling and/or analysis on behalf of the Permittee, it is the Permittee's responsibility to ensure that all sampling & analyses are performed in accordance with 40 CFR Part 136, or as otherwise specified. If 40 CFR Part 136 does not contain sampling or analytical techniques for the pollutant in question, or where the EPA determines that the Part 136 sampling and analytical techniques are inappropriate for the pollutant in question, sampling and analyses shall be performed using validated analytical methods or any other applicable sampling and analytical procedures, including procedures suggested by the City's Division Manager. All samples methods must be collected using a 24-hour flow-proportional sampler unless other sample methods (such as Timed or Grab Composite) are specifically approved by the City or are employed in compliance with Section 1.G. of this permit and 40 CFR 403.12(g). **Timed or Grab Composite samples have been approved for the Klamath Energy Facility.**

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1.F. Cyanide. Cyanide sampling shall consist of eight (8) discrete grab samples collected over the operating day. Each aliquot shall not be less than 100 ml and shall be collected and composited into a larger container which has been preserved in accordance with the analytical laboratory's recommendations.

1.G. At least four (4) discrete grab samples shall be collected over an operating day for collecting samples for pH (unless using a strip chart recorder), cyanide, sulfide total phenols, oil and grease and volatile organic compounds. Grab samples must be representative of the discharge.

## 1.H. Federal and Local General Discharge Prohibitions

The Permittee shall not discharge, cause or permit to be discharged, directly or indirectly, any pollutant or wastewater, which will cause interference or pass through at the treatment plant(s). These general and specific prohibitions apply to all users of the City's wastewater system whether or not they are subject to Categorical Pretreatment Standards or any other national, state or local pretreatment standards or requirements.

## 1.I. Specific Discharge Prohibitions

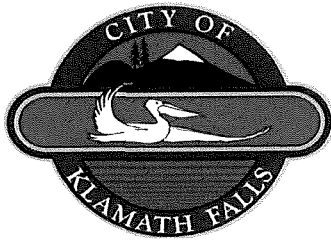
Per 40 CFR Part 403.5(b) and City of Klamath Falls Sewer Use Ordinance, the Permittee shall not discharge wastewater containing any of the following prohibitions from any of their permitted outfalls:

- Flammable or explosive materials with a closed cup flashpoint of  $<140^{\circ}\text{F}$  using the test methods prescribed in 40 CFR 261.21.
- Any wastewater with a pH less than 5.0 su or greater than 12.5 su, or which may otherwise cause corrosive structural damage to the POTW, city personnel or equipment.
- Solid (greater than  $\frac{1}{2}$  inch in any dimension) or viscous materials which will cause interference with the flow in a sewer.
- Any pollutant, including oxygen demanding pollutants (COD, etc.) released in a discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW
- Heated wastewater  $>104^{\circ}\text{F}$  at its point of entry into the POTW, not authorized by the City
- Any fat, oils or greases, including but not limited to petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through at the POTW
- Pollutants which result in the presence of toxic gases, vapors, or fumes within the POTW in a quantity that may cause acute worker health and safety problems
- Hauled pollutants, except at discharge points designated by the City.

## SECTION 2

### REPORTING REQUIREMENTS

2.A Slug Discharge Notification. In the event of a spill or slug discharge from their facility, the Permittee shall immediately telephone and notify the City (POTW Division Manager) after becoming aware of the incident. Within five (5) days following a Slug Discharge or accidental Discharge, the User shall, unless specifically waived by the Division Manager, submit a detailed written report describing the cause(s) of the Discharge and the measures to be taken by the User to prevent similar future occurrences. Such notification shall not relieve the User of any expense, loss, damage, or other liability which may be incurred as a result of damage to the POTW, natural resources, or any other damage to Person or property; nor shall such notification relieve the User of any fines, civil penalties, or other liability which may be imposed by the Sewer Use Ordinance. The Permittee is also required to notify the City of any changes in its spill/slug discharge potential.



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2.B. An "upset", and an affirmative defense for such, (SUO Section 4.181) may be used in which there is unintentional and temporary non-compliance with categorical Pretreatment Standards because of factors beyond the reasonable control of the Permittee. An Upset does not include non-compliance to the extent caused by operational error, improperly designed or inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation. An upset shall be an affirmative defense to an enforcement action brought for noncompliance with categorical pretreatment standards and requirements provided the conditions set forth in SUO Section 4.181 are met. In case of an upset or upon reduction, loss or failure of its treatment facility, the permittee shall control production and/or all approved discharges to the extent necessary to maintain compliance with applicable pretreatment standards until treatment is restored or an alternative method of treatment is provided. This requirement also applies in situations where the primary source of power for the treatment facility is reduced, lost or fails.

2.C. Bypass: The intentional diversion of one or more wastestreams or processes from any portion of the Permittee's facility is prohibited, unless the Permittee has followed SUO Section 4.183 specifically sub sections (2), (3) and (4).

2.D. At least 90 days prior to commencement of discharge, new sources, including existing users which have changed operations or processes so as to become new sources shall be required to submit a Baseline Monitoring Report (Industrial Wastewater Discharge Permit Application) per the requirements in the City's SUO Section 4.131. The City may also request new Applications if facility changes are of a magnitude that warrant additional or updated information on the processes, ownership, or use.

2.E. Any Permittee subject to sampling, testing and reporting schedules set out in the permit shall submit Periodic Compliance Reports per SUO Section 4.146. The reports are due at a frequency determined by the Division Manager, but in no case less than twice per year (June and December unless otherwise specified), and shall indicate the volume, nature and concentration of all pollutants in the effluent for which sampling and analyses were performed.

2.F. If the Permittee monitors any regulated pollutant more frequently than required by the City, using the procedures specified in 40 CFR Part 136, and from the location identified on the page 9 of this permit, the results of this monitoring shall be included in the compliance report.

2.G. If sampling performed by the Permittee indicates a permit violation, the Permittee shall notify the City within 24 hours once aware of the violation. The Permittee shall also repeat the sampling and analysis and submit the results of the repeat analysis to the City within 30 days after becoming aware of the violation per SUO Section 4.146(4). The Permittee must continue the notification and re-sampling requirement until compliance is achieved. If the City performs sampling and a violation is noted, the Permittee may also be required to comply with this section.

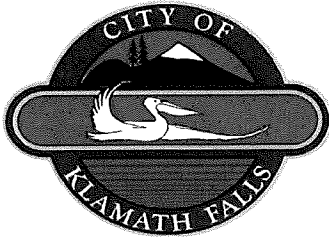
## SECTION 3 NOTIFICATION AND RECORD KEEPING REQUIREMENTS

3.A Any Permittee subject to reporting requirements in the SUO shall retain and preserve all records, books, documents, memoranda, reports, correspondence and any and all summaries thereof, relating to monitoring, sampling and chemical analyses made by or on behalf of the Permittee in connection with its discharge. Such records shall be subject to review by the City, and shall include for all samples:

- The date, exact place, time, and methods of sampling or measurements;
- Who performed the sampling or measurements;

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- The date(s) the analyses were performed;
  - Who performed the analyses;
  - The analytical techniques or methods used; and
  - The results of such analyses.
- Any BMP requirements and records/logs related to BMP requirements

3.B. The Permittee shall retain for a minimum of three years all such records defined in Section 3.A. above, and shall make such records available for inspection and copying by the City, the DEQ Director and the EPA Regional Administrator. This period may be extended by the request of the City, the DEQ Director or the EPA at any time. All records that pertain to matters which are the subject of special orders or any

other enforcement or litigation activities brought by the City shall be retained and preserved by the permittee until all enforcement activities have concluded and all periods of limitation with respect to any and all appeals have expired.

3.C. For any information faxed or emailed to the City, the original shall be retained on the Permittee's premises for a minimum of three (3) years; or the original may be mailed to the City as a follow-up to the fax. This section does not supersede Section 3B above.

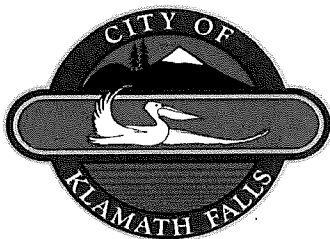
3.D. Representative Sampling: Samples and measurements taken as required by this permit shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit, and unless otherwise specified, before the permitted discharge joins or is diluted by any other wastestreams, body of water or substance. Samples must also be taken in accordance with 40 CFR Part 136 methodology.

All equipment used for sampling and analyses must be routinely calibrated, inspected and maintained to ensure its accuracy. Monitoring points shall not be changed without notification to, and prior City approval.

## SECTION 4 STANDARD CONDITIONS

4.A. Permit Modification. The City reserves the right to amend any Wastewater Discharge Permit issued hereunder for good cause including, but not limited to the following:

- To incorporate any new or revised local, State or Federal pretreatment standards or requirements;
- Significant alterations or additions to the Permittee's operations, processes, discharge volume or characteristic not considered in drafting the permit;
- A change in any condition at the Permittee's facility or the Publicly Owned Treatment Works (POTW) requiring a temporary or permanent reduction or elimination of the authorized discharge;
- Information indicating that the permitted discharge poses a threat to the POTW's collection or treatment systems, personnel or receiving waters;
- Violation of any terms or conditions of the permit;
- **Misrepresentation or failure to disclose fully all relevant facts in the permit application or any required reporting;**
- Revision of, or a grant of variance from applicable categorical standards per 40 CFR Parts 403.13, 403.6(e) or 403.15;
- To correct typographical or other errors in the permit;
- To reflect transfer of the facility ownership and/or operation to a new owner/operator;
- Upon request of the permitted Industrial User, provided the request does not violate any requirements, standards, laws, rules or regulations;



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4.B. Dilution Prohibition: The permittee shall not increase the use of process water, or in any way attempt to dilute, its discharges as a partial or complete substitute for adequate treatment to achieve compliance with a limitation set for discharges unless expressly authorized by an applicable pretreatment standard, or any other pollutant-specific limitation developed by the City. The City may impose mass limitations on dischargers, which in its judgment appear to be using dilution to meet applicable pretreatment standards or requirements of this section or in cases where the imposition of mass limitations is otherwise deemed appropriate by the City.

4.C. Inspection and Entry: The City may inspect the facilities of any Permittee to determine compliance with the requirements of the City rules and regulations. The Permittee shall allow the City or its representatives to enter upon the premises of the Permittee at all reasonable hours without being unreasonably detained and without prior notification by the City, for the purposes of inspection, sampling,

and records examination and copying. The City shall have the right to set upon the Permittee's property such devices as are necessary to conduct sampling, inspection, compliance monitoring and/or metering operations. Unreasonable delays in allowing City personnel access to the Permittee's premises shall be a violation of the SUO.

Where a User has security measures in force which require proper identification and clearance before entry into their premises, the Industrial User shall make necessary arrangements with its security guards so that, upon presentation of suitable identification, personnel from the City, State, and EPA will be permitted to enter, without delay, for the purposes of performing their official duties.

4.D. Signatory Requirements/Certification Statement: The signed certification statement defined in SUO Section 4.132 shall accompany all reports and testing results submitted by any Permittee. All reports submitted by Industrial Users shall be signed per the signatory requirements in the SUO.

4.E. The Permittee shall notify the City, EPA Regional Waste Management Division Director, and Oregon DEQ Hazardous Waste Division in writing of any discharge into the POTW of a substance, which, if otherwise disposed of, would be a hazardous waste under 40 CFR part 261, in accordance with SUO Section 4.156.

4.F. Within 90 days following the date for final compliance with an applicable Categorical Pretreatment Standard, or, in the case of a new source, within 90 days following commencement of the introduction of wastewater into the sewer system, the Permittee subject to Pretreatment Standards and Requirements shall submit to the City a Report On Compliance (ROC) as required in SUO Section 4.145 in order to determine compliance status. This is due no later than: NA.

☒ A ROC has been received and approved by the City on: January 28th, 2008.

4.G. A Spill Prevention/Slug Control Plan (SP/SCP) is required for notification of potential problems and any changes in its spill/slug discharge potential. This plan, per the requirements in SUO Section 4.122 is necessary to assess the emergency planning of the Permittee in case of a slug load or chemical spill in the facility. The report must address the items identified in SUO Section 4.122(3).

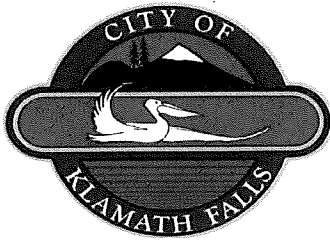
☒ A Spill Prevention/Slug Control Plan (SP/SCP) is due no later than: NA.

☒ A SP/SCP has been received and approved by the City on: November 14, 2023.

4.H. Biannual sampling, if required, may be performed at any time during the periods of January to June, and July to December. The results need to be reported to the City as indicated in Section 1.A., unless a violation has occurred, in which case the requirements of violation notification period specified in Section

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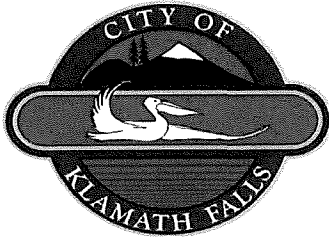
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2.H. and re-sampling/resubmitting shall prevail. In no case shall the interval of required biannual sampling exceed six (6) months.

4.I. Compliance Schedules: If the Permittee is required to install additional pretreatment, or provide additional O&M, the Permittee may be required to submit a proposed compliance schedule per the provisions and regulations in the City's Sewer Use Ordinance, or as amended.

4.J Monitoring Waiver: The City may authorize the Industrial User subject to a Categorical Pretreatment Standard to forego sampling of a Pollutant regulated by a Categorical Pretreatment Standard if the Industrial User has demonstrated through sampling and other technical factors, including but not limited to engineering calculations, that the Pollutant is neither present nor expected to be present in the Discharge, or is present only at background levels from intake water and without any increase in the Pollutant due to activities of the Industrial User. This authorization is subject to the following conditions:

- (a) The waiver may be authorized where a Pollutant is determined to be present solely due to sanitary Wastewater Discharged from the facility provided that the sanitary Wastewater is not regulated by an applicable Categorical Standard and otherwise includes no process Wastewater;
- (b) The monitoring waiver is valid only for the duration of the effective period of the individual Wastewater Discharge Permit, but in no case longer than 5 years. The User must submit a new request for the waiver before the waiver can be granted for each subsequent individual Wastewater Discharge Permit.
- (c) In making a demonstration that a Pollutant is not present, the Industrial User must provide data from at least one sampling of the facility's process Wastewater prior to any Treatment present at the facility that is representative of all Wastewater from all processes.
- (d) The request for a monitoring waiver must be signed by an Authorized Representative of the User in accordance with Section 4.102 of the City's SUO.
- (e) Non-detectable sample results may be used only as a demonstration that a Pollutant is not present if the EPA approved method from 40 CFR Part 136 with the lowest minimum detection level for that Pollutant was used in the analysis.
- (f) Any grant of the monitoring waiver by the Division Manager must be included as a condition in the User's permit. The reasons supporting the waiver and any information submitted by the User in its request for the waiver must be maintained by the Division Manager for 3 years after expiration of the waiver.
- (g) Upon approval of the monitoring waiver and revision of the User's permit by the Division Manager, the Industrial User must certify on each report with the statement in SUO Section 4.132(6), that there has been no increase in the Pollutant in its wastestream due to activities of the Industrial User.
- (h) In the event that a waived Pollutant is found to be present or is expected to be present because of changes that occur in the User's operations, the User must immediately: Comply with the monitoring requirements of SUO Section 4.146(1), or other more frequent monitoring requirements imposed by the Division Manager, and notify the Division Manager.



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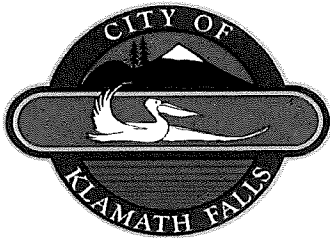
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- (i) This provision does not supersede certification processes and requirements established in Categorical Pretreatment Standards, except as otherwise specified in the Categorical Pretreatment Standards.



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## SECTION 5

### SAMPLE SITE LOCATION

The following Outfall sample sites are the official City and Permittee sample collection locations. If required, all samples collected for compliance monitoring must be obtained from these sites.

**Outfall Number: 001 Description: Blowdown from the cooling towers**

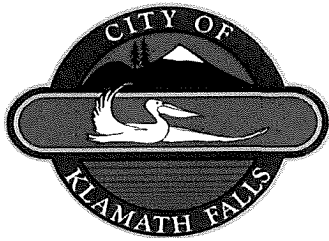
**Outfall Number: 002 Description: Low Volume Waste as described in 40CFR 423.11(b) and seasonal heat exchanger cleaning waste after copper limitation requirements have been met.**

**Outfall 001 & 002** is sampled by Klamath Energy Staff at the facility. (Indicated in sampling location attachment)

**Outfall 001** is also sampled by City of Klamath Falls Pretreatment Staff at the Spring Street Treatment Facility prior to mixing with treatment plant effluent. (Indicated in sampling location attachment)

**Outfall 002** is also sampled by City of Klamath Falls Pretreatment Staff at the same location as Klamath Energy's sampling point. (Indicated in sampling location attachment)

**Sample Site Locations are detailed on the following Pages.**



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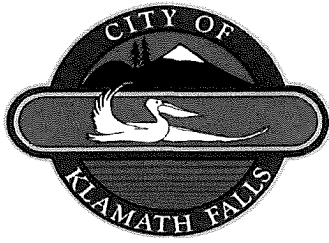
Initial Effective Date of Permit: 7-15-2008

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## Outfall 001 City of Klamath Falls Sampling Point





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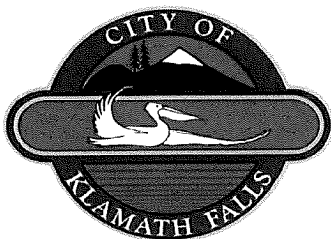
Initial Effective Date of Permit: 7-15-2008

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Outfall 001 & 002 City of Klamath Falls and Klamath Energy Sampling Point





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## Attachment "A"

For PKE Outfall 001 (CIU/SIU Permit Requirements Apply) the blowdown from the cooling tower system composed primarily of concentrated City of Klamath Falls secondary effluent

- The 40CFR423.17 requirements that apply are:

(d)(1) The pollutants discharged in cooling tower blowdown shall not exceed the concentration listed in the following table:

| Pollutant or pollutant property                                                                              | PSNS pretreatment standards |
|--------------------------------------------------------------------------------------------------------------|-----------------------------|
|                                                                                                              | Maximum for any time (mg/l) |
| The 126 priority pollutants (Appendix A) contained in chemicals added for cooling tower maintenance, except: | ( <sup>1</sup> )            |
| Chromium, total                                                                                              | 0.2                         |
| Zinc, total                                                                                                  | 1.0                         |

(<sup>1</sup>) No detectable amount.

(2) At the permitting authority's discretion, instead of the monitoring in 40 CFR 122.11(b), compliance with the limitations for the 126 priority pollutants in paragraph (d)(1) of this section may be determined by engineering calculations which demonstrate that the regulated pollutants are not detectable in the final discharge by the analytical methods in 40 CFR part 136.

See currently approved engineering calculations at Attachment "B"

## For PKE Outfall 002 and Seasonal PKE Chemical Cleaning Waste Discharged via Outfall 002

- The 40CFR423.17 requirements that apply are:

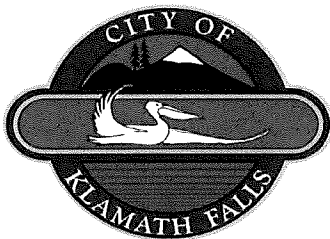
(b) The pollutants discharged in chemical metal cleaning wastes shall not exceed the concentration listed in the following table:

| Pollutant or pollutant property | PSNS pretreatment standards    |
|---------------------------------|--------------------------------|
|                                 | Maximum for one (1) day (mg/l) |
| Copper, total                   | 1.0                            |

After sampling data has been evaluated, and requirements are met, this discharge may then be discharged via Outfall 002 which is regulated by the City of Klamath Falls Local Limits found on the next page.

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## Attachment "A" continued

### City of Klamath Falls Local Limits

| CONSTITUENT     | LOCAL LIMIT, MG/L |
|-----------------|-------------------|
| Arsenic (As)    | 1.78              |
| Cadmium (Cd)    | 0.44              |
| Copper (Cu)     | 1.10              |
| Lead (Pb)       | 0.57              |
| Molybdenum (Mo) | 1.80              |
| Nickel (Ni)     | 2.95              |
| Selenium (Se)   | 5.97              |
| Zinc (Zn)       | 2.31              |
| Cyanide (CN)    | BMP               |
| Silver (Ag)     | 0.031             |
| Mercury (Hg)    | 0.0022            |

## Attachment "B"

Engineering Calculations Inserted Here.