

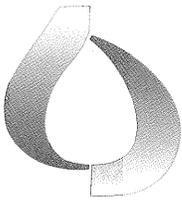
APPENDIX J
WATER SUPPLY AND WASTEWATER

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WATER SUPPLY AND WASTEWATER

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Appendix J-1
Will Serve Letter



Inland Empire
UTILITIES AGENCY*
* A Municipal Water District

6075 Kimball Avenue • Chino, CA 91710
P.O. Box 9020 • Chino Hills, CA 91709
TEL (909) 993-1600 • FAX (909) 993-1983
www.ieua.org

March 19, 2007

Robert W. Lawhn, Director – Environmental Compliance
Reliant Energy
7251 Amigo St.
Suite 120
Las Vegas, NV 89119

Re: Will Serve

Dear Mr. Lawhn:

The Inland Empire Utilities Agency (IEUA) currently provides recycled water to Reliant Energy's Etiwanda Generating Station in Rancho Cucamonga, California. IEUA also operates and maintains a non-reclaimable wastewater (NRW) pipeline system into which the Etiwanda plant discharges wastewater within specified limitations.

It is our understanding that Reliant Energy is developing plans to construct a new electric generating combustion turbine facility at the Etiwanda site, which could be in operation in 2010. This new facility plans to utilize the existing recycled water system and the NRW pipeline system for its minimal water supply needs and discharge, respectively. The maximum anticipated recycled water to be used by the new facility is 1,400 acre-feet per year. The peak discharge flow will be approximately 2,000 gallons per minute. The IEUA currently has the capacity to deliver this quantity of reclaimed water and to accept this peak discharge flow.

This letter serves to indicate IEUA's anticipation that its recycled water supply system will be available to serve the additional needs of Reliant Energy's proposed facility. Reliant Energy currently has capacity reserved in the NRW pipeline by means of a contract which expires in May, 2012. It is also IEUA's anticipation that Reliant Energy will have access to the necessary capacity in the pipeline through appropriate means after the expiration of the current contract.

Sincerely,
INLAND EMPIRE UTILITIES AGENCY

Richard W. Atwater
Chief Executive Officer
General Manager

Fifty-Five Years of Excellence in Water Resources & Quality Management

John L. Anderson
President

Wyatt Troxel
Vice President

Gene Koopman
Secretary/Treasurer

Angel Santiago
Director

Terry Catlin
Director

Richard W. Atwater
Chief Executive Officer
General Manager

Appendix J-2
Industrial Wastewater Discharge Permit

PERMIT FOR INDUSTRIAL WASTEWATER DISCHARGE
COUNTY SANITATION DISTRICTS OF LOS ANGELES COUNTY
1955 Workman Mill Road / Whittier, CA
Mailing Address: P.O. Box 4998 / Whittier, California 90607-4998
Charles W. Carry, Chief Engineer and General Manager
(310) 699-7411

PERMIT NO. **14896**

01 CHECK ONE: New Sewer Connection Existing Sewer Connection

02 Applicant Reliant Energy Etiwanda Inc.

(Legal Company Name)

03 Check one and fill in appropriate information

Corporation Name Reliant Energy Etiwanda Inc.

Year Incorporated 2002 State of Incorporation Del. ID# 76-0555456

Partnership Name _____ Partners _____

Sole Proprietor Name _____ Business Names _____

04 Company Address 8996 Etiwanda Ave., Rancho Cucamonga, CA. 91739

(Street)

(City)

(State)

(Zip)

05 Mailing Address 8996 Etiwanda Ave., Rancho Cucamonga, CA. 91739

(Street)

(City)

(State)

(Zip)

06 Point of Discharge 15" line down Etiwanda Ave. & 21" line out the West side of plant

07 Number of years applicant has been in business at present location 6 10 Applicant assumed
(yrs) (months) ownership April, 1998

08 Name of Property Owner Reliant Energy Etiwanda Inc.

Address of Property Owner 8996 Etiwanda Ave., Rancho Cucamonga, CA. 91739 909-899-7260

(Street)

(City)

(Zip)

(Telephone Number)

09 Assessors Map Book No. 229 Page No. 28 Parcel No. 27 & 28

10 Type of Industry Electric Power Generation 4911

(General Description)

(Federal SIC No.)

11 Number of Employees (Full Time) 44 (Part Time) 2

12 Raw Materials Used Natural Gas and Water

(General Description — Add Additional Sheets as Needed)

Approx. 13 MGD of water & 236,880,000 of gas

(Daily Amount Used)

13 Products Produced Electric Power

(General Description — Add Additional Sheets as Needed)

24,804,000 KW

(Daily Amount Produced)

14 Wastewater Producing Operations Cooling tower blow down from boilers & equipment, cleaning,
floor wash down, miscellaneous sumps.

(Full Description — Add Additional Sheets as Needed)

15 Time of Discharge Cont. AM/PM to _____ AM/PM, Shifts per Day _____, Days per Week M T W Th F Sa Su

(Circle AM or PM)

(Circle Days)

16 Wastewater Flow Rate 3,240,000 Max. Gallons per Day 2,250 max. Gallons per Minute

(Average)

(Peak)

17 Constituents of Wastewater Discharge Oil & Grease, Suspended Solids, COD, Copper, Chromium & Zinc

(General Description — Attach Chemical Analysis Results to the Application)

18 Person in company responsible for industrial wastewater discharge

Daniel W. Ross

(Name)

General Manager

(Position)

909-899-7241

(Telephone Number)

I affirm that all information furnished is true and correct and that the applicant will comply with the conditions stated on the back of this permit form.

Date February 4th. 192005

19 Signature for Applicant Daniel W. Ross

(Company Administrative Official)

(Name)

General Manager

(Position)

20 Approved/Reviewed by City or County Official

Date _____

Approved by Sanitation Districts of Los Angeles County

Date _____

For L.A. County Dept. of Public Works...

Expiration Date _____

City of _____

Charles W. Carry, Chief Engineer & General Manager

Name _____

By _____

Position _____

Position _____

Note: Please submit application first to the applicable City or County agency in which the point of discharge is located

DETACH ALONG DOTTED LINE

FORM A: APPLICANT QUESTIONNAIRE

NAME OF COMPANY Reliant Energy Etiwanda, Inc. CONTACT PERSON Paul Lacroix

1. Reason for submittal - circle A, B, or C, and complete the corresponding questions.

A. New Permit (for new companies and for changes in ownership)

Type of business _____

Is the facility new or existing? _____

If existing, previous company name _____

Type of business _____, Industrial Waste Permit No. _____

Provide a description off all manufacturing processes below or in an attachment.

Provide a description of all wastewater producing operations below or in an attachment.

Are any changes being made to the facility's existing wastewater pretreatment/conveyance systems? _____ If yes, briefly explain these modifications below or in attachments.

Is there more than one company discharging industrial wastewater at your facility? _____

If yes, provide for each company its name, a separate address and a description of its operations. If feasible, each company must apply for a separate permit and must have its own incoming water meter and a separate industrial wastewater sampling point.

If your facility will involve a new connection to the public sewer, please circle the point of connection: a. Local City sewer, b. Sanitation Districts' Trunk sewer.

If you are relocating, and had a previous Industrial Wastewater Discharge Permit, give your previous address _____, and permit no. _____

If you have received a temporary permit, give permit no. _____

All submittals for new permits **must** include a permit application, plans and pertinent supporting information.

B. Revision of Existing Permit (for a 25 percent or more change in wastewater quantity/quality)

Permit no. 14896

Has your wastewater quantity and/or quality changed over 25 percent? No If yes, documentation addressing the magnitude and reason(s) for the change must be submitted. If no, a revision is not required at this time.

Have there been any changes in production processes, wastewater pretreatment systems or sewerage plumbing? No If yes, submit plans and describe these changes below or in attachments:

*** Renewal of Permit, NO change in quantity or quality of wastewater!**

All submittals for a revised permit **must** include a permit application, plans (if changes occurred) and supporting information.

C. Addendum to Permit (for modifications to the wastewater conveyance/pretreatment s

Permit no. _____

Provide a brief summary of the existing conditions and the proposed change

Submittal must include plans and supporting information.

The applicant must also answer the questions on the back of this form.

DETACH ALONG DOTTED LINE

This page is not applicable, Permit Renewal, No Changes to Permit!

2. Supporting Information Required

All submittals **must** include the following forms, which are included in Appendix 6.1:

- Form A — Applicant Questionnaire
- Form B — Calculation of Industrial Wastewater Discharge Flowrate
- Form C — Tank Schedule and Spill Containment Calculations
- Form D — Check List

Furthermore, your company must answer the questions below to determine the additional supporting information that must be provided:

a) Waste Minimization (refer to sections 2.4 and 3.3 E)

Please describe below or in an attachment all of your company's existing/proposed pollution prevention measures (e.g., reuse, product reformulation, process changes, housekeeping measures, etc.):

Has your company previously submitted a waste minimization plan to the Districts? _____
If the answer is no, please read sections 2.4 and 3.3 E and submit the appropriate plan (if applicable). Your company is encouraged to obtain information on source reduction measures and options for your industrial processes by calling the Districts' Industrial Waste Section at (310) 699-7411.

b) Wastewater Quality (refer to sections 3.3 G and H)

Please provide the results of at least two 24-hour composite analyses attesting to concentrations of chemical oxygen demand, suspended solids and any priority or regulated pollutants that may be found in your wastewater. Your company must also provide material safety data sheets of all chemicals used in the facility that may directly or indirectly contaminate your wastewater.

c) New equipment (refer to sections 3.3. F, J and K)

Is your company installing new pretreatment, monitoring, conveyance or industrial equipment that may have an impact on the quality or quantity of your wastewater? _____
If yes, please provide catalog cuts of all units and important details such as: number of units, sizes, hours of operation, pump rating curves, operating parameters, etc.

d) Baseline Monitoring Report (refer to sections 2.1 and 3.3 I)

Does your company currently fall under one of EPA's categories? _____
If yes, your company must submit a Baseline Monitoring report, unless it submitted one in the past and there have been no changes in operations that may change your categorical standards.

e) Rainwater Management (refer to section 3.2)

Are there any outdoor drains, trenches or sumps at your facility that are connected to the sewerage system? _____
If yes, your company must submit plans and information that describe the existing means to divert rain water from the sewerage system or a proposal to comply with the Districts' rainwater guidelines. Please be informed that new automatic rainwater diversion systems will not be approved unless the applicant proves that this is the only feasible alternative.

FORM B: CALCULATION OF INDUSTRIAL WASTEWATER DISCHARGE FLOW RATE

COMPANY NAME: Reliant Energy Etiwanda, Inc.

- Calculation of flow rate is based on: Adjusted metered water supply (Company must complete the calculations below)
 (Check one) Direct measurement through a Districts' approved effluent flow measurement system *
 Estimate for a facility not yet in operation **

ADJUSTED METERED WATER SUPPLY CALCULATIONS (Round all figures to two decimals)

DETACH ALONG DOTTED LINE

		MILLION GALLONS PER YEAR
I Incoming Water		
1. Metered Water Supply from Purveyor (Water Company). Use most recent 12 consecutive months and attach copies of water bills.	<input style="width: 100%;" type="text"/>	MGY
2. Water Supply from Company Well. Attach meter or water master data for most recent 12 consecutive months.	<input style="width: 100%;" type="text"/>	MGY
3. Water Received in Raw Materials, or by other means. Explain in attachments.	<input style="width: 100%;" type="text"/>	MGY
4. Rainwater/Groundwater Discharged to the Sewerage System. Explain in attachments.	<input style="width: 100%;" type="text"/>	MGY
5. Total Incoming Water. (Add lines 1 to 4)	<input style="width: 100%;" type="text"/>	MGY
II Water Losses		
6. Wastewater Discharged to Stormwater Drainage System Explain in attachments. (NPDES Permit No.)	<input style="width: 100%;" type="text"/>	MGY
7. Water Lost Through Evaporation and Irrigation. (add lines a + b + c + d on the back of this form)	<input style="width: 100%;" type="text"/>	MGY
8. Water Lost in Products. Explain in attachments.	<input style="width: 100%;" type="text"/>	MGY
9. Sanitary Flow Deduction (from line "e" on the back of this form)	<input style="width: 100%;" type="text"/>	MGY
10. Total Water Losses (add lines 6 to 9)	<input style="width: 100%;" type="text"/>	MGY
III Industrial Wastewater Discharged		
11. Calculated Industrial Wastewater Discharged to the public sewer (subtract line 10 from line 5)	<input style="width: 100%;" type="text"/>	MGY
12. Any Proposed increase (+) or decrease (-) in industrial waste- water discharge to the public sewer? (explain in attachments)	Circle one <input style="width: 100%;" type="text"/>	MGY
13. Total proposed yearly industrial wastewater discharge (add lines 11 and 12)	<input style="width: 100%;" type="text"/>	MGY
14. Average industrial wastewater flow (use line 13 to calculate below)		

Million Gallons per Year	×	1,000,000	÷	Number of Discharge Days per Year	=	Gallons per Day
	×	1,000,000	÷		=	

This is the average daily flow rate that must be used on the application for industrial wastewater discharge.
 (It may be rounded to two significant figures.)

Note: The applicant must also complete the calculations on the back of this page.

- * If your company currently has an **approved effluent wastewater flow measurement system**, please submit effluent totalizer readings for the last twelve months. Your company does not have to complete the rest of this form.
- ** The company must submit detailed information that substantiates how the flow rate was estimated.

