

**SMUD**

SACRAMENTO MUNICIPAL UTILITY DISTRICT □ 6201 S Street, P.O. Box 15830, Sacramento CA 95852-1830, (916) 452-3211
AN ELECTRIC SYSTEM SERVING THE HEART OF CALIFORNIA

MPC&D 97-086

May 27, 1997

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Docket No. 50-312
Rancho Seco Nuclear Station
License No. DPR-54

RANCHO SECO ANNUAL REPORT

Attention: Seymour Weiss

The District submits the Rancho Seco Annual Report in accordance with Rancho Seco Permanently Defueled Technical Specifications (PDTS) D6.9.4 and D6.9.6b, and 10 CFR 50.59(b)(2). The enclosed report contains (1) shutdown statistics, (2) a narrative summary of shutdown experience, (3) Environmental Report information, and (4) tabulations of facility changes, tests, and experiments required pursuant to 10 CFR 50.59(b).

The enclosed report covers the period May 7, 1996, through May 6, 1997. The NRC approved the original PDTS, which included the current Rancho Seco Annual Report requirement, in April 1992, and the District implemented the PDTS on May 7, 1992. Prior to May 1992, Rancho Seco submitted monthly reports in accordance with the Operating Plant Technical Specifications.

Members of your staff requiring additional information or clarification may contact Jerry Delezenski at (916) 452-3211, extension 4914.

Sincerely,

Steve J. Redeker
Manager
Plant Closure & Decommissioning

Enclosure

cc w/Encl: E. W. Merschoff, NRC, Arlington, Texas
R. Dudley, NRC, Rockville

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RANCHO SECO ANNUAL REPORT**Shutdown Statistics:**

The District provides the following shutdown statistics:

1. Rancho Seco permanently shut down nuclear power operations on June 7, 1989.
2. The Rancho Seco reactor has been completely defueled since December 8, 1989.
3. The Rancho Seco Spent Fuel Pool (SFP) contains 493 spent fuel assemblies and is licensed for 1080 spent fuel assemblies.
4. The NRC amended the Rancho Seco operating license to Possession-Only status on March 17, 1992.
5. Rancho Seco has been in the Permanently Defueled Mode (PDM) during the entire reporting period (May 7, 1996, through May 6, 1997).
6. The NRC issued Rancho Seco a Decommissioning Order on March 20, 1995. The Order (1) authorized the District to decommissioning Rancho Seco and (2) accepted the Rancho Seco Decommissioning Funding Plan.
7. The District revised the originally NRC-approved Rancho Seco Decommissioning Plan (RSDP) in November 1996, to address immediate incremental decommissioning activities and converted the RSDP to the Post Shutdown Decommissioning Activities Report (PSDAR) in March 1997, pursuant to the PSDAR content requirements contained in the new 10 CFR 50.82 regulations.
8. Rancho Seco personnel completed the spent fuel assembly inspection program in June 1996, and identified the spent fuel assemblies that meet the District failed fuel criteria in preparation for the fuel off-load project. The District identified and verified that nine spent fuel assemblies met the District's failed fuel criteria. The District will place failed fuel assemblies in a special failed fuel dry storage canister.
9. On February 28, 1997, the District took the Component Cooling Water (CCW) System out of service to perform maintenance. The CCW system is a support system for the Spent Fuel Cooling system. The CCW system was returned to service on March 7, 1997. During the seven day CCW system outage, the Spent Fuel Pool (SFP) water temperature increased from 61 °F to approximately 78 °F.

RANCHO SECO ANNUAL REPORT**Shutdown Statistics:** (Continued)

10. During and following the CCW system outage, the SFP leak rate through the leak chase system increased from its approximately steady state rate of about 35 gallons per day to a high of approximately 48 gallons per day. The leak rate then slowly decreased back to approximately 35 gallons per day by the end of the reporting period. The District believes this small change in leak rate is directly related to the change in SFP water temperature.

The District intends to remove all the spent fuel assemblies from the SFP starting in 1998, and place the fuel in dry storage at an on-site Independent Spent Fuel Storage Installation (ISFSI) licensed pursuant to 10 CFR 72. The District then intends to drain and process the SFP water following spent fuel assembly removal.

Shutdown Experience Summary:

The District provides the following shutdown experience summary.

General Plant Administrative Activities:

1. The District began implementing its Incremental Decommissioning Action Plan, which defines the near-term program for removing both non and very low level radioactive systems and equipment.
2. The District continues to pursue Independent Spent Fuel Storage Installation (ISFSI) license approval. Also, Rancho Seco continues to safely store its spent nuclear fuel in the SFP.
3. Plant staff successfully completed fuel assembly and assembly component inventory surveillances.

Fuel Off-load Project Activities

The District performed the following fuel off-load project support activities:

1. Completed the cable pulls and final terminations at the ISFSI that provide power, instrumentation, and communications;
2. Completed installation of 22 Horizontal Storage Module cover lids at the ISFSI to protect the canister storage compartments from the environmental;

RANCHO SECO ANNUAL REPORTFuel Off-load Project Activities (Continued)

3. Modified the Fuel Storage Building roll-up door to provide the clearance needed for the cask handling project;
4. Installed the cask sling storage tube in the lay-down area north of the Turbine Building;
5. Completed several Fuel Storage Building modifications necessary for the fuel off-load project;
6. Installed the fuel canister upender in the lay-down area north of the Turbine Building
7. Completed the following Gantry Crane modifications and upgrade activities in support of the fuel off-load project:
 - a. Modified Gantry Crane travel logic;
 - b. Installed travel limit switches;
 - c. Separated power cables;
 - d. Repaired the wire rope take-up reel;
 - e. Repaired the radio control system, including replacement of the main radio control card; and
 - f. Installed surge suppressors on the Gantry Crane to improve radio controller reliability.
8. Completed fuel assembly spent fuel pool relocation and assembly component insertion in preparation for fuel off-load;
9. Completed the cask support facility modification.

General Plant Maintenance Activities:

The Rancho Seco Maintenance Department performed the following significant maintenance activities:

1. Replaced the fuel handling bridge Dillon load cell power supply;

RANCHO SECO ANNUAL REPORTGeneral Plant Maintenance Activities: (Continued)

2. Completed a major rebuild of the 'C' air compressor and routine repairs on the 'A' air compressor;
3. Completed replacement of the 'C' Service Water System pump motor;
4. Performed quarterly inspections on the Gantry Crane, Cask Support Facility bridge crane, and the Interim On-site Storage Building (IOSB) overhead crane;
5. Modified the fuel handling bridge power supply;
6. Completed leak repairs on the plant diesel motor driven fire pump;
7. Repaired the auto start circuit for the three Service Water System pumps;
8. Completed load testing of the Fuel Storage Building jib crane;
9. Replaced four fire hydrants based on results of hydrant inspection/test program;
10. Repaired the Plant Cooling Water (PCW) recirculation pump wall leak;
11. Installed a new battery charger and battery system for the microwave communications system diesel generator;
12. Repaired the cooling tower aviation lighting system, including re-lamping;
13. Repaired the leak from the primary to the secondary containment of the double walled PCW hypochlorite tank;
14. Replaced the closed circuit television (CCTV) camera in the Fuel Storage Building;
15. Fixed Fire Protection System discharge valve FPW-002;
16. Repaired Reactor Building Stack radiation monitor R-15044 by replacing the power supply and flow indicator;
17. Fixed Fuel Storage Building area radiation monitor recorder RJR15;
18. Repaired a fire protection system CO₂ storage tank limit switch;
19. Removed the 'B' Regenerant Hold-Up Tank (RHUT) inner liner and re-coated the tank with an epoxy. Also, installed a new agitator;

RANCHO SECO ANNUAL REPORTGeneral Plant Maintenance Activities: (Continued)

20. Replaced the spent fuel pool demineralizer pump P-274 shaft seal;
21. During a Component Cooling Water (CCW) system outage, Rancho Seco personnel performed the following activities:
 - a. Replaced the 'A' CCW pump motor;
 - b. Re-routed the air compressor and air dryer cooling water piping;
 - c. installed of larger mini-flow orifices;
 - d. Isolated (cut and capped) CCW piping to the Turbine Building; and
 - e. Replaced CCW system pump seals and bearings.
22. Performed maintenance on the plant main air compressor breaker.
23. Completed tap change settings on station service transformer X43C2 and one main plant lighting transformer that were necessary due to a high primary voltage that resulted from reduced loads at the site.
24. Completed repairs to a plant personnel site exit portal radiation monitor.
25. Completed a week long maintenance outage at the Folsom South Canal pumping station that included various preventive maintenance tasks.

Plant Modification/Remediation & Incremental Decommissioning Activities:

The District performed the following significant plant Modification/Remediation and incremental decommissioning activities:

1. Cleaned up the loose paint and paint chips that peeled away from numerous outside plant equipment and structures due to severe weather conditions. Also, coated the area around the edges where paint peeled away with a sealant to protect against possible future peeling.
2. Issued five Incremental Decommissioning Packages (IDPs) to initiate incremental dismantlement work at Rancho Seco in accordance with the Incremental Decommissioning Plan and the Post Shutdown Decommissioning Activities Report.

RANCHG SECO ANNUAL REPORT**Plant Modification/Remediation & Incremental Decommissioning Activities:** (Continued)

3. Completed one IDP that removed the secondary plant de-humidifier system.
4. Shipped six steel Condensate Polisher vessels off-site for recycling as part of the IDP that is removing several Condensate Demineralizer System components.

Environmental Report Information:

In accordance with PDTS D6.9.6b, the District is required to provide annually a copy to the NRC of the (1) new permit and certificate applications and (2) the permit and certificate changes or additions that are required by government agencies for protection of the environment. During the reporting period, the District applied for and received a permit from the County of Sacramento Water Quality Division to discharge the contents of the Rancho Seco sewage treatment plant return activated sludge tank to the Sacramento Regional County Sanitation District by way of a County registered/permitted liquid-waste hauler. Attached is a copy of the permit and application. This application and permit has no adverse environmental impact.

10 CFR 50.59(b) Summary:

The following is a tabulation of the facility changes, tests, and experiments that (1) occurred from May 7, 1996, through May 6, 1997, and (2) required a 10 CFR 50.59 safety evaluation. None of the changes evaluated in accordance with 10 CFR 50.59 resulted in an Unreviewed Safety Question. The revised Decommissioning Plan (see summary below) required NRC approval prior to implementation.

Rancho Seco Decommissioning Fire Protection Plan (DFPP), Revision 4, implemented the necessary DFPP changes resulting from Design Change Packages (DCPs) R91-0001AC, R94-0010, and R94-0011. These three DCPs installed a smoke detector at the Independent Spent Fuel Storage Installation (ISFSI) electrical building and created Fire Zone 111, removed the old fire detection and suppression equipment from the Bruce GM and TDI diesel generator rooms because the diesel generators were previously removed, and converted the Cask Support Facility (the old TDI diesel generator building) fire protection system from a pre-action system to a wet pipe system. This change is a change to the DFPP, which is a License Basis Document (LBD), but does not affect any other LBD.

RANCHO SECO ANNUAL REPORT**Plant Modification/Remediation & Incremental Decommissioning Activities: (Continued)**

3. Completed one IDP that removed the secondary plant de-humidifier system.
4. Shipped six steel Condensate Polisher vessels off-site for recycling as part of the IDP that is removing several Condensate Demineralizer System components.
5. Removed portions of the Demineralized Water System, Turbine Plant Sample System, Instrument Air System, Main Condensate and Make-up System, Turbine Plant Cooling Water System, and the Secondary Chemical Addition System in the Turbine Building.

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RANCHO SECO ANNUAL REPORT

10 CFR 50.59(b) Summary: (Continued)

Design Change Package R91-0001AC, Revision 1, "Horizontal Storage Module (HSM) Temperature Monitoring System and Dry Storage Cask Pressure Monitoring," installs: (1) A thermocouple on each HSM to provide temperature data on the plant computer system; (2) Two pressure indicators that provide the capability to monitor pressure of a dry storage cask that would be used for long term storage of a breached dry shielded canister; and (3) A fire protection panel and an ionizing smoke detector in the ISFSI electrical building. This design change is required to support dry fuel storage at the Rancho Seco ISFSI. This design change will require a change to the DFPP and the ISFSI Safety Analysis Report (SAR), which are LBDs, but will not require a change to any other LBD.

Design Change Package R91-0001AC, Revision 2, "Horizontal Storage Module (HSM) Temperature Monitoring System and Dry Storage Cask Pressure Monitoring," makes small corrections to DCP R97-0001AC, Revision 1, by assigning a fire zone number to the ISFSI fire protection system and correcting a few typographical errors. This design change revision will require a change to the DFPP, which is a LBD, but will not require additional changes to any other LBD.

Design Change Package R94-0002, Revision 0, "Plant Integrated Computer System," combines the functions of the IDADS, Bailey, and DRMS computers and annunciator window systems into a Personal Computer based plant computer system. This modification will not change the type or amount of information that is available to operators in the control room. This design change will require changes to the DSAR and required a change to the Decommissioning Plan (now the PSDAR), which are LBDs, but will not require a change to any other LBD.

Design Change Package R94-0010, Revision 0, "Isolate CO₂ Fire Protection System in Bruce GM Diesel Generator Rooms," removes the fire detection and suppression equipment from the Bruce GM diesel generator rooms. The Bruce GM diesel generators were previously removed in accordance with the Asset Recovery Program. This design change requires a change to the DFPP, which is a LBD, but will not require a change to any other LBD.

Design Change Package R96-0003, Revision 0, "Reconfigure the 125 Volt DC and 120 Volt AC Supply System to Consolidate Loads and Eliminate Unnecessary Electrical Buses," removes four 125 volt dc and one 120 volt ac electrical distribution panels and consolidates necessary loads on other electrical distribution panels. The reconfigured panels will continue to carry loads well below their design rating. This design change will require changes to the Defueled Safety Analysis Report (DSAR), which is a LBD, but will not require a change to any other LBD.

RANCHO SECO ANNUAL REPORT

10 CFR 50.59(b) Summary: (Continued)

Design Change Package R97-0002, Revision 0, "Installation of Two Impact Limiters in the Fuel Storage Building," installs one impact limiter in the spent fuel pool cask loading pit and one impact limiter under the spent fuel pool cask loading pit shelf from the upender pit area. The impact limiters are considered heavy loads and will be installed in accordance with the District's NUREG-612 heavy load control program. This design change will require changes to the DSAR, which is a LBD, but will not require a change to any other LBD.

Design Change Package R97-0003, Revision 0, "Isolate Portions of Turbine Plant Cooling Water (TPCW) System," isolates portions of TPCW connected to equipment that is not operated nor required to function during the Permanently Defueled Mode (PDM). Isolation of this equipment makes it available for dismantlement in accordance with the Incremental Decommissioning Action Plan. This design change will require a change to the DSAR, which is a LBD, but will not require a change to any other LBD.

Design Change Package R97-0011, Revision 0, "Isolate Operating Systems Connected to Auxiliary Boilers," isolates the Diesel Fuel Oil, Instrument Air, Service Water, Service Air, Auxiliary Steam, and Fire Protection Systems from the Auxiliary Boilers, which is not operated nor required to function during the Permanently Defueled Mode (PDM). Isolating the Auxiliary Boilers makes them available for dismantlement in accordance with the Incremental Decommissioning Action Plan. This design change will require a change to the DSAR and ODCM, which are LBDs, but will not require a change to any other LBD.

Deviation from Quality (DQ) 96-0078, "Fuel Storage Building (FSB) Supply Fan Capacity Discrepancy," identified a discrepancy between the actual, rated FSB supply fan capacity and what design documents indicate. The DSAR indicates the FSB supply fan capacity is 10,500 cfm, while the actual fan capacity has always been 6,100 cfm. The DSAR requires revision to reflect the actual FSB supply fan capacity. The actual lower capacity has no impact on any analyzed accidents or Spent Fuel Pool (SFP) heat-up analyses. The fuel handling accident assumes a default FSB exhaust flow with no reliance on supply flow. The SFP heat-up analysis assumes a minimum supply flow of 5,000 cfm. The supply fan continues to meet its intended function and surveillance requirements. This DQ resolution requires a change to the DSAR, which is a LBD, but does not affect any other LBD.

Dry Fuel Storage Equipment Operator Training and Certification Program, dated August 21, 1996, defines the program the District will use to provide initial training, test, and certify Dry Fuel Storage (DFS) Equipment Operators. This program is required to support dry fuel storage at the Rancho Seco ISFSI. The District will qualify DFS Equipment Operators to operate equipment used to move spent fuel assemblies in a cask

RANCHO SECO ANNUAL REPORT**10 CFR 50.59(b) Summary:** (Continued)

and/or canister from the spent fuel pool to the ISFSI for dry storage. Also, DFS Equipment Operators will be qualified to retrieve spent fuel assemblies from the ISFSI, if ever necessary. The District added this program to the ISFSI SAR as Appendix A. Since the ISFSI SAR is considered a LBD, this program constitutes a change to a LBD, but the program does not require a change to any other LBD.

Incremental Decommissioning Action Plan, Revision 0, describes the District's plan to dismantle slightly and non contaminated systems and components and dispose of low level radioactive waste now instead of waiting until the year 2008. The District determined implementing incremental decommissioning now will substantially reduce radioactive waste disposal costs associated with decommissioning. This action plan requires a change to the Rancho Seco Post Shutdown Decommissioning Activities Report (formerly the Rancho Seco Decommissioning Plan), which is a LBD, but does not require a change to any other LBD.

Rancho Seco Post Shutdown Decommissioning Activities Report (PSDAR), Amendment 1, revised the Rancho Seco Decommissioning Plan (RSDP; the original PSDAR) to conform with the PSDAR content requirements specified in the new 10 CFR 50.82 regulations. The information required in the PSDAR is much less than was contained in the RSDP. PSDAR, Amendment 1, contains a description of planned decommissioning activities, a schedule of activities through license termination, an estimate of expected costs, and a discussion of environmental impacts. This change is a change to the PSDAR and requires a change to the DSAR, which are LBDs, but does not affect any other LBD.

Procedure CAP-0002, Revision 8, "Off-site Dose Calculation Manual (ODCM)," increased the Auxiliary Building Grade Level Vent (ABGLV) default flow rate to 31,000 cfm in accordance with the resolution to DQ 96-0055. This ABGLV default adjustment changed the total site default gaseous effluent flow rate to 152,740 cfm. This change is a change to the ODCM and requires a change to the DSAR, which are LBDs, but does not require a change to any other LBD.

Procedure RSAP-0101, Revision 22, " Organization, Responsibilities, and Authorities," changed the District corporate nuclear organization in accordance with a District re-organization. The Rancho Seco related Deputy AGM, Operations functions are now performed by the Director, Power Generation. The Rancho Seco related AGM & Chief Operations Officer functions are now performed by the AGM Energy Supply & Chief Engineer. This organization change requires a change to the DSAR, which is a LBD, but does not require a change to any other LBD.

RANCHO SECO ANNUAL REPORT

10 CFR 50.59(b) Summary: (Continued)

Procedure RP.309.II.02, Revision 5, "Radioactive Material Packaging and Container Selection," changed the criteria for determining when and how to assign a proper container identification number. Also, made several editorial changes. This procedure change requires a change to the DSAR, which is a LBD, but does not require a change to any other LBD.

Radiological Environmental Monitoring Program (REMP) Manual, Revision 9, changed the Land Use Census radius from five miles to two miles and frequency from annual to biennial. The reason for a five mile radius was mainly for identification of milk animals and gardens. But, the REMP does not require milk sampling and assumes a default milk animal resides at the site boundary, which is much closer than five miles. Also, the REMP garden is maintained at the site boundary. The changes provide assurance the Rancho Seco REMP will continue to represent an environmental sampling program that meets the intent of applicable regulations and regulatory guidance and provides for accurate assessment of the radiological environment in and around the Rancho Seco site. This change directly affected the REMP Manual and requires a change to the DSAR, which are LBDs, but does not affect any other LBD.

Software Change Request CSCR 3794, "Delete Computer Point R430 from IDADS/Bailey and Radiation Assessment Coordinator (RAC) Display," removes the Fuel Storage Building area radiation monitor R-15028 IDADS/Bailey computer point readout and RAC display. Remaining local and remote radiation readouts are sufficient to monitor and assess radiation levels in the Fuel Storage Building. This software change requires a change to the DSAR, which is a LBD, but does not require a change to any other LBD.

Special Test Procedure STP-1339, Revision 0, "Plant Integrated Computer System (PICS) Test," demonstrates the ability of PICS to monitor defueled plant operating parameters and provide necessary information and alarms to the plant operators. The test is not described in the DSAR, but does not constitute an Unreviewed Safety Question. This special test procedure does not require a change to any LBD.

Special Test Procedure STP-1340, Revision 0, "HSM Temperature Monitoring System," verifies that the HSM Temperature Monitoring System thermocouples are functional and that the system is properly tied in to the Plant Integrated Computer System. This test is necessary to support dry fuel storage at the Rancho Seco ISFSI. The test is not described in the DSAR, but does not constitute an Unreviewed Safety Question. This special test procedure does not require a change to any LBD.

RANCHO SECO ANNUAL REPORT

10 CFR 50.59(b) Summary: (Continued)

Special Test Procedure STP-1341, Revision 0, "Gantry Crane Radio Control Reliability," tests modifications made to the Gantry Crane using the new radio controllers. The two radio controllers will be used to move the Gantry Crane for approximately twelve hours each. The Gantry Crane movements will simulate cask movements that is equivalent to approximately the filling and transport of four casks of spent fuel assemblies. This test is necessary to support dry fuel storage at the Rancho Seco ISFSI. The test is not described in the DSAR, but does not constitute an Unreviewed Safety Question. This special test procedure does not require a change to any LBD.

ATTACHMENT

ENVIRONMENTAL REPORT INFORMATION

For The

5/7/96 - 5/6/97 ANNUAL REPORT



COUNTY OF SACRAMENTO

WATER QUALITY DIVISION CHERYL CRESON, Chief

COLLECTION SYSTEM, TIM LLOYD
ENGINEERING, MICHAEL A. MAGGI
TREATMENT PLANT, W. H. KIDO

PUBLIC WORKS AGENCY
DOUGLAS M. FRALEIGH, Administrator

W. H. HARADA, Director
Public Works Administration
R. F. SHANKS, Director
District Engineering
TERRY T. TICE, Director
County Engineering

June 13, 1996

Tim Shaw
Rancho Seco Wastewater Treatment
14440 Twin Cities Road
Herald, CA 95638-9799

SUBJECT: DISPOSAL OF SUMP WASTE

Staff has reviewed the information submitted for consideration of disposal of the subject waste to the Sacramento Regional County Sanitation District. At this time, staff finds the waste acceptable for disposal to the District. The waste may be discharged to the District by way of a County registered/permitted liquid-waste hauler.

Attached, please find a permit for the subject discharge. Also enclosed is a copy of the laboratory analysis of this waste.

If you have any questions or comments please contact Alain Dehaze at 855-8433.

Respectfully,

Kirk Freeman
Supervising Industrial Waste Inspector

**SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT
INDUSTRIAL WASTE SECTION**

CLASS II DISCHARGE PERMIT

PERMIT NUMBER LWH-27/96

DATE: June 13, 1996

COMPANY/FACILITY
ADDRESS Rancho Seco Wastewater Treatment
 14440 Twin Cities Road
 Herald, CA 95638-9799

CONTACT PERSON Tim Shaw
PHONE 452-3211

LIMITATIONS REQUIREMENTS:

1. Discharge of waste is limited to the contents of the RAS(return activated sludge) tank.
2. The permittee must notify the District (916-855-8433) in advance of any significant change in the amount or composition of the waste disposed.
3. Beginning July 1, 1996, Rancho Seco Wastewater Treatment will submit to this office on a quarter basis the total amount of waste disposed to the District.

Mail: Sacramento County Water Quality Division
 9660 Ecology Lane
 Sacramento, CA 95827

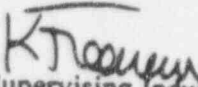
Attn: Industrial Waste Section: Al Dehaze

Fax: (916)855-5874

The permittee is authorized to dispose of waste as described in this permit, subject to the limitations/requirements as stated above or additional limitations/requirements as circumstances may require. Also, this discharge must cease if so directed by the District Engineer or the Engineer's representative.

THIS PERMIT EXPIRES June 13, 1997

By: Kirk Freeman


Supervising Industrial Waste Inspector

SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT
APPLICATION FOR WASTEWATER DISCHARGE
COMMERCIAL/INDUSTRIAL SUMPS AND SEPTIC TANKS

DATE

5/16/96

FIRM NAME Rancho Seco Wastewater Treatment PHONE (916) 452-3211 EXT 4144
BUSINESS DESCRIPTION Domestic sewage treatment
ADDRESS 14440 Twin Cities Road
CITY Herald COUNTY Sacramento ZIP 95638-9799
CONTACT NAME Tim Shaw TITLE Chief Plant Operator
AMOUNT OF WASTE TO BE DISPOSED: 2000 - 6000 GALLONS PER YEAR
FREQUENCY OF DISCHARGE: 1 to 3 times per year (dictated by maintenance)

DESCRIPTION OF PROCESS GENERATING THE WASTE:

Extended aeration, activated sludge Package plant for the treatment of domestic sewage generated at the Rancho Seco facility only approx daily avg flow = 3000 gal.

LIST ALL CHEMICALS, CLEANERS, SOLVENTS, DEGREASERS, OR BY-PRODUCTS OF WASTE POTENTIALLY PRESENT IN WASTE:

Household cleaning products, Sodium Hypochlorite HVAC water treatment chemicals, Phosphoric acid and Microbiocide

DESCRIPTION OF ALTERNATIVE DISPOSAL OPTIONS INVESTIGATED FOR WASTE:

Ship to other wastewater treatment facilities

ATTACH ADDITIONAL SHEETS IF NECESSARY

CERTIFICATION: I CERTIFY THAT THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

I HEREBY APPLY FOR DISCHARGE OF WASTEWATER TO THE SACRAMENTO REGIONAL COUNTY SANITATION DISTRICT (DISTRICT).

I AGREE TO SUBMIT ADDITIONAL INFORMATION AS REQUESTED, AND TO ALLOW SAMPLING AND/OR INSPECTION OF MY FACILITY AT THE DISCRETION OF THE DISTRICT'S INDUSTRIAL WASTE SECTION.

SIGNATURE

Timothy R Shaw

DATE

5/16/96

NAME (TYPE OR PRINT)

Timothy R Shaw

TITLE

Chief Plant Operator