MAR 0 8 1988

MEMORANDUM FOR: John B. Martin
Regional Administrator, RV

FROM: Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

SUBJECT: EXPANDED PERFORMANCE INDICATOR PROGRAM AT RANCHO SECO

AEOD is currently working with the Regions to monitor the performance of selected power plants as part of an Expanded Performance Indicator Program. The purpose of this program is to provide additional information on these plants to senior management and enhance our ability to recognize areas of poor and/or declining safety performance. AEOD expects to compile these data periodically in special reports for use by senior NRC management.

To initiate this program for Rancho Seco, J. Crews of Region V and S. Stern of AEOD met with J. Firlit of SMUD on December 10, 1987, to discuss tracking the performance of Rancho Seco Generating Station. At that time, Mr. Firlit agreed to provide additional performance data on a monthly basis.

Subsequently, we understand that Mr. Crews of your staff has reviewed our suggestions for performance data with Mr. Firlit of Rancho Seco, who found them acceptable.

I am requesting that you forward our suggestions to the licensee. I have enclosed a draft transmittal letter for your consideration.

Original Signed By:
E. L. Jordan

Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

Enclosure: As stated

cc: V. Stello
J. Taylor
T. Murley

Distribution:

DCS	SStern	
ROAB R/F	MWilliams	
EJordan	KBlack	
JHeltemes	JJohnson	
TNovak	RSingh	
VPenaroya	AEOD R/F	
JRosenthal		

*SEE PREVIOUS CONCURRENCES

*ROAB:DSP:AEOD	*ROAB:DSP:AEOD	*ROAB:DSP:AEOD	DSP:AEOD	D:DSP:AEOD	DD:AEOD	D:AEOD
SStern:md	RSingh	JRosenthal	VPenaroya	TNovak	CHeltemes	EJordan
3/ /88	3/ /88	3/ /88	3/3/88	3/3/88	3/4/88	3/9/88

MEMORANDUM FOR: John B. Martin
Regional Administrator, RV

FROM: Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

SUBJECT: EXPANDED PERFORMANCE INDICATOR PROGRAM AT RANCHO SECO

AEOD is currently working with the Regions to monitor the performance of selected power plants as part of an Expanded Performance Indicator Program. The purpose of this program is to provide additional information on these plants to senior management and enhance our ability to recognize areas of poor and/or declining safety performance. AEOD expects to compile this data periodically in special reports for use by senior NRC management.

To initiate this program for Rancho Seco, J. Crews of Region V and S. Stern of AEOD met with J. Firlit of SMUD on December 10, 1987, to discuss tracking the performance of Rancho Seco Generating Station. At that time, Mr. Firlit agreed to provide additional performance data on a monthly basis.

Subsequently, we understand that Mr. Crews of your staff has reviewed our suggestions for performance data with Mr. Firlit of Rancho Seco, who found them acceptable.

I am requesting that you formally forward our suggestions to the licensee. I have enclosed a draft transmittal letter for your consideration.

Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

Enclosure: As stated

cc: V. Stello
J. Taylor
T. Murley

Distribution:

DCS	SStern
ROAB R/F	MWilliams
EJordan	KBlack
JHeltemes	JJohnson
TNovak	RSingh
VBenaroya	
JRosenthal	

*SEE PREVIOUS CONCURRENCES

*ROAB:DSP:AEOD	*ROAB:DSP:AEOD	ROAB:DSP:AEOD	DSP:AEOD	D:DSP:AEOD	DD:AEOD	D:AEOD
SStern:md	RSingh	JRosenthal	VBenaroya	TNovak	CHeltemes	EJordan
3/ /88	3/ /88	3/ /88	3/ /88	3/ /88	3/ /88	3/ /88

MEMORANDUM FOR: John B. Martin
Regional Administrator, RV

FROM: Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

SUBJECT: EXPANDED PERFORMANCE INDICATOR PROGRAM AT RANCHO SECO

AEOD is currently working with the Regions to monitor the performance of selected power plants as part of an Expanded Performance Indicator Program. The purpose of this program is to provide additional information on these plants to senior management and enhance our ability to recognize areas of poor and/or declining safety performance. As with other agency performance indicators, this data is expected to have limitations and be subject to misinterpretation. Therefore, caution would be warranted in the interpretation and use of this data. AEOD expects to compile this data periodically in special reports for use by senior NRC management.

To initiate this program for Rancho Seco, J. Crews of Region V and S. Stern of AEOD met with J. Firlit of SMUD on December 10, 1987, to discuss tracking the performance of Rancho Seco Generating Station. At that time, Mr. Firlit agreed to provide additional performance data on a monthly basis.

Subsequently, we understand that Mr. Crews of your staff has reviewed our suggestions for performance data with Mr. Firlit of Rancho Seco, who found them acceptable.

I am requesting that you formally forward our suggestions to the licensee. I have enclosed a draft transmittal letter for your consideration.

Edward L. Jordan, Director
Office for Analysis and Evaluation
of Operational Data

Enclosure: As stated

cc: V. Stello
J. Taylor
T. Murley

Distribution:

DCS	SStern
ROAB R/F	MWilliams
EJordan	KBlack
JHeltemes	JJohnson
TNovak	RSingh
VBenaroya	
JRosenthal	

Subject to change

ROAB:DSP:AEOD	ROAB:DSP:AEOD	ROAB:DSP:AEOD	DSP:AEOD	D:DSP:AEOD	DD:AEOD	D:AEOD
SStern:md	RSingh	JRosenthal	VBenaroya	TNovak	CHeltemes	EJordan
3/1/88	3/1/88	/ /88	/ /88	/ /88	/ /88	/ /88

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

Mr. J. Firlit
Assistant General Manager for Nuclear
Plant Production
Rancho Seco Generating Station
14440 Twin Cities Road
Herald, CA 95638-9799

Re: Performance Data on Rancho Seco

Dear Mr. Firlit:

Following up on your meeting of December 10, 1987 with Mr. Crews of Region V and Mr. Stern of the Office for Analysis and Evaluation of Operational Data, we appreciate your willingness to provide additional data on Rancho Seco Station. As agreed during the meeting, we are providing guidance on the type of performance data we wish to receive in the enclosure to this letter. We would like to collect this data for one full fuel cycle.

The performance data elements listed in the enclosure were developed as a result of discussions with you and other licensees. Please inform us of any data elements which you presently do not readily have, key performance elements you believe we have overlooked, or data elements which need definition, clarification or modification.

If you believe any of these data are of a proprietary nature, please so indicate.

Thank you for your continued cooperation in this matter.

Sincerely,

John B. Martin
Regional Administrator
Region V

Enclosures: As stated

cc: V. Stello
J. Taylor
T. Murley
E. Jordan

Enclosure

EXPANDED PI PROGRAM FOR RANCHO SECO

Data requested on a monthly basis

1) Automatic Scrams while Critical.

- Initiating System(s) and Component(s) Involved.
- Causes.*

2) Safety System Actuation.

- Initiating System(s) and Component(s) Involved.
- Causes.*

3) Safety System Failures.

- Initiating System(s) and Component(s) Involved.
- Causes.*

4) Forced Outages.

- Initiating System(s) and Component(s) Involved.
- Causes.*
- Number of Hours.

5) Monthly Operating Status Summary.

- Critical Hours.
- Generator On-Line Hours.
- Forced Outage Rate.
- Planned Shutdowns (over next 6 months).

6) Preventative Maintenance to Total Maintenance.**

- Based upon both Manpower Expenditures and Ratio of Total Preventive Work Orders to Total Work Orders.

7) Corrective Maintenance.

- See Attachment 1.

8) Repeat Maintenance.

- See Attachment 2.

*Categorize event causes as: Licensed Operator Error, Other Personnel Error, Maintenance Problem, Design/Installation/Fabrication Problem, Administrative Control Problem, and Random Equipment Failure.

**Be consistent with INPO or utility performance indicator definitions.

EXPANDED PI PROGRAM FOR RANCHO SECO (CONT.)

Data requested on a monthly basis

9) Event Data on Downtime.

- See Attachment 3.

10) Staffing Goals

- Critical Management Vacancies
  Goals vs. Actuals for Filling Vacancies.
- Critical Staff Vacancies
  Goals vs. Actuals for Filling Vacancies.
- Ratio of SMUD to Contractor Employees in Technical Positions at Rancho Seco.
  Goals vs. Actuals for Ratio.

11) Employee Turnover and Overtime.

- Licensed Operator Turnover Rate.
- Other Operator Turnover Rate.
- Engineering and Health Physics Turnover Rate.
- Overtime for Licensed Operators, total and average per person.
- Overtime for Other Operations, total and average per person.
- Overtime for Maintenance, total and average per person.

12) Chemistry Hours Outside Guidelines.*

- Cumulative Hours Outside Owners Group Guidelines.
- Hours Outside Utility Established Operating Limits.
- Condensate Pump Discharge Dissolve Operating Limits.
- Condenser Air In-leakage (SCFM).
- Conductivity.

13) Collective Radiation Exposure.*

- Total Radiation Exposure for Personnel (man-rem).

14) Other Utility/INPO Performance Indicators.

*Be consistent with INPO or utility performance indicator definitions.

Attachment 1

CORRECTIVE MAINTENANCE

Group non-outage Maintenance Work Requests (MWRs)* into three categories by high, medium, and housekeeping type items.

	MWRs OPEN END OF MONTH	MWRs OPENED DURING MONTH	MWRs CLOSED DURING MONTH
HIGH PRIORITY			
MEDIUM PRIORITY			
HOUSE-KEEPING TYPE			

	MWRs OPEN >3 MONTHS	MWRs OPEN >6 MONTHS	MWRs OPEN >12 MONTHS
HIGH PRIORITY			
MEDIUM PRIORITY			
HOUSE-KEEPING TYPE			

* Be consistent with INPO definitions where possible, including definitions for high priority Maintenance Work Requests.

Attachment 2

REPEAT MAINTENANCE

Identify any safety or BOP component requiring more than one corrective maintenance activity, within 90 days.

DATE	COMPONENT	SYSTEM	TRAIN	CAUSE	LAST TIME TESTED

Attachment 3

EVENT DATA ON DOWNTIMES

FUNCTION	SYSTEM	TRAIN	COMPONENT	DATE & TIME TAKEN OUT OF SERVICE	DATE & TIME RESTORED TO SERVICE	DOWNTIME REASON CODE*	CORRECTIVE ACTION	FOR FAILURES & ERRORS ONLY	
								CAUSE NARRATIVE	TIME SINCE LAST TEST

*DOWNTIME REASON CODES: C = CORRECTIVE ACTION.
P = PREVENTIVE MAINTENANCE.
M = MODIFICATION.
T = TEST (IF EQUIPMENT FAILS TEST).
F** = FAILURE OR MALFUNCTION. TRAIN FAILS (OR IS UNAVAILABLE) TO MEET ITS FUNCTIONAL REQUIREMENTS.
E** = HUMAN ERROR.
O = OTHER.