



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

September 3, 1997

50-269/270/287
50-369/370
50-413/414

LICENSEE: Duke Energy Corporation

FACILITIES: Catawba Nuclear Station, Units 1 and 2
McGuire Nuclear Station, Units 1 and 2
Oconee Nuclear Station, Units 1, 2, and 3

SUBJECT: MEETING SUMMARY - INTERFACE MEETING OF AUGUST 25, 1997

REFERENCE: Meeting Notice by P. S. Tam, August 13, 1997

On August 25, 1997, the staff met with Duke Energy Corporation (DEC or Duke) personnel to discuss various issues pertaining to future regulatory and operational activities for Catawba, McGuire, and Oconee nuclear stations. Enclosure 1 is a list of meeting participants and their affiliations. Enclosure 2 is the agenda. Enclosures 3, 4, and 5 are copies of the slides used by Duke Power Corporation personnel in their presentations.

Items on the agenda for which there were no handout material are summarized as follows:

1. The staff heard a presentation on the diversified business interests of Duke Energy Corporation following the recent merger of Duke Power Company with PanEnergy Corporation. Copies of the presentation slides were available to all meeting participants but were collected by the presenter when the meeting was adjourned.
2. Mr. Tuckman (DEC) requested the staff to complete the review of the proposed McGuire and Catawba Improved Technical Specifications in accordance with Duke's proposed schedule.
3. The staff heard a presentation on Duke's initiative to assure the accuracy of the Updated Final Safety Analysis Report (UFSAR) of each nuclear plant. Duke had previously formally communicated with the staff on this (letter, M. S. Tuckman of DEC to NRC, dated June 16, 1997).
4. The timeliness of operability determinations was discussed by participants in reference to NRC Generic Letter 91-18. Related issues regarding Duke's 10 CFR 50.59 process, and reporting requirements under 10 CFR 50.72 and 50.73 were also discussed.
5. The staff discussed Severity Level IV noncited violations as documented in a publicly available Enforcement Guidance Memorandum dated June 9, 1997.
6. The staff stated that, despite its existence in the agenda, no information can be disclosed on the current status of 10 CFR 70.24 (regarding criticality monitoring requirements) because the NRC documents that contain such current information are enforcement-related and not publicly available.

DFOI/1

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7. The staff stated that steps are being taken to release the Plant Issues Matrix (PIM) to the public. The PIM is currently for NRC use only.
8. The staff encouraged DEC to include with each licensing action submittal either marked up UFSAR pages, or a description of the expected revision of the UFSAR.
9. The software that Duke has designed for long-range planning of site activities was described.
10. The staff heard a summary of the results of a recent Southeast Nuclear Plant Managers meeting.



Peter S. Tam, Senior Project Manager
Project Directorate II-2
Division of Nuclear Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-369, 50-370, 50-413, 50-414,
50-269, 50-270, and 50-287

Enclosures:

1. List of participants
2. Meeting Agenda
3. Slides on "UFSAR Review Project"
4. Slides on "Nuclear Generation Department Long-Range Planning"
5. Slides on "SE Nuclear Plant Managers Meeting"

cc w/encls 1 and 2: See next page

September 3, 1997

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ORIGINAL SIGNED BY:

Peter S. Tam, Senior Project Manager
 Project Directorate II-2
 Division of Nuclear Reactor Projects - I/II
 Office of Nuclear Reactor Regulation

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cc w/encls 1 and 2: See next page

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DATE	9/3/97	9/3/97	9/3/97	1/97	1/97	1/97	

DOCUMENT NAME: G:\CATAWBA\CAT72400.SUM

OFFICIAL RECORD COPY

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Oconee Nuclear Station

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September 3, 1997

Distribution for Meeting Summary:

HARD COPY WITH ALL ENCLOSURES

Docket File
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E-MAIL, SUMMARY WITH ENCLOSURE 1

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H. Berkow
V. Nerses
D. LaBarge
W. Gleaves
P. Tam
L. Berry
C. Ogle
D. Roberts
R. Franovich
M. Franovich
M. Giles
S. Freeman
N. Dudley
J. Johnson, RII
S. Schaeffer, RII

ALPHABETICAL LIST OF PARTICIPANTS

INTERFACE MEETING WITH DUKE ENERGY CORPORATION AT THE
CATAWBA NUCLEAR PLANT, ADMINISTRATION BUILDING, 153A

AUGUST 25, 1997

<u>NAME</u>	<u>AFFILIATION</u>
Roger Abernathy	Duke Energy Corporation
Herb Berkow	NRC/NRR/Project Directorate II-2
Mary Birch	Duke Energy Corporation/SA/Catawba
Mike Cash	Duke Energy Corporation/McGuire
Skip Copp	Duke Energy Corporation/Nuc. Reg. Affairs
James Fisicaro	Duke Energy Corporation/NAID
Annie Fletcher	Duke Energy Corporation/Catawba/Communications
Bill Foster	Duke Energy Corporation/SA/Oconee
Jeff Forbes	Duke Energy Corporation/Catawba
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Rani Franovich	NRC/Region II/Catawba RI
Scott Freeman	NRC/Region II/Oconee RI
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Mark Giles	NRC/Region II/Catawba RI
William Gleaves	NRC/NRR/Project Directorate II-2
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Scott Shaeffer	NRC/Region II/McGuire SRI
Robert Sharp	Duke Energy Corporation
Peter Tam	NRC/NRR/Project Directorate II-2
Mike Tuckman	Duke Energy Corporation

**Duke Energy - NRC Interface Meeting
Catawba Nuclear Station - Room 153A
August 25, 1997**

AGENDA

Time	Topic	Speaker
11:00	Introduction	Mike Tuckman Gary Peterson
11:10	Opening Remarks	Herb Berkow
11:20	Merger of Duke and Pan Energy (organization and structure)	Mike Tuckman
NOON	LUNCH	
12:30	UFSAR Initiative	Gary Gilbert
1:00	NGD Long Range Planning Describe the process & Duke's Vision, Discuss constraints and resources for the future.	Roger Abernathy
1:30	Summary of Southeast Nuclear Plant Managers meeting	Mike Glover
2:00	Discussion Items <ul style="list-style-type: none">• Status of ITS submittal• Inclusion of marked up UFSAR pages with licensing submittals• Time to make operability decisions• New enforcement guidance on self-disclosing events• 50.59 Developments• Reporting Philosophy (50.72, 50.73)• Current status of 10 CFR 70.24	NRC/Duke
3:30	Meeting Adjourned	

Enclosure 2

UFSAR REVIEW PROJECT

*NRC/Duke Power
Interface Meeting
August 25, 1997*

Gary D. Gilbert

Enclosure 3

PRESENTATION OUTLINE

- v *Background*
- v *Project plan summary*
 - *Phased Approach*
 - *Objectives*
 - *Scope & method*
 - *Deliverables*
 - *Estimated cost*
 - *Organization*
 - *Schedule*

BACKGROUND

- v *6/11/97 response to NEI 96-05*
- v *6/16/97 letter to NRC committed to UFSAR review at all sites*

PROJECT PLAN SUMMARY

v Phased approach

- *Phase I*

- *UFSAR chapter 5 at all sites*
- *Validate processes and methodology*
- *Data for phase II*

- *Phase II*

- *Remaining UFSAR chapters*
- *Developed based on phase I results*
- *Detailed cost & schedule estimates*

PROJECT PLAN SUMMARY

v *Objectives*

- *Accurate UFSAR*
- *Complete UFSAR*
- *Cost effective scope*
- *Interfacing document errors found and fixed*

PROJECT PLAN SUMMARY

v Objectives (cont)

- *Unique to phase I*
 - *Validate methodology*
 - *Provide a basis for better cost/schedule estimates*
 - *Evaluate managed task vs contract labor approaches*

PROJECT PLAN SUMMARY

v Scope and method

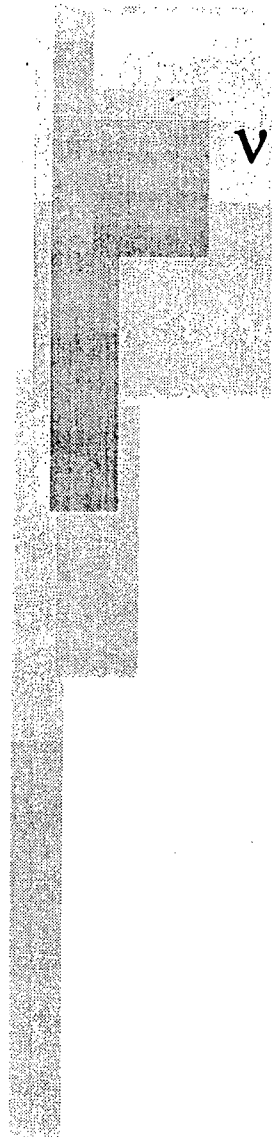
- *Review UFSAR for accuracy*
 - *continuum look to answer “is it correct?”*
- *Review UFSAR for completeness*
 - *compare to standards to answer “is level of detail correct?”*
 - *determine if selected licensing basis documents have been properly included*

PROJECT PLAN SUMMARY

v Scope and method (cont)

- *Oconee only*
 - *Review all non-UFSAR documents to determine if selected licensing basis documents have been properly included*
- *Resolve all identified discrepancies*
 - *Project team only hands off (via PIP) operability evaluations, changes to the plant, and changes to procedures*

PROJECT PLAN SUMMARY

- 
- v *Selected licensing basis documents* ●
 - *Safety evaluations associated with license amendments*
 - *Generic letters with committed responses*
 - *IE bulletins with committed responses*
 - *SERs documenting committed actions from the licensee* ●

PROJECT PLAN SUMMARY

- v *Verification continuum for design-related review items*
 - *reviewer knowledge of commonly understood features and principles*
 - *use of high-level design drawings (e.g., flow diagrams, electrical elementaries)*
 - *detailed design documents (e.g., piping layouts, isometrics)*

PROJECT PLAN SUMMARY

- v *Verification continuum for design-related review items (cont)*
 - *support level documents (e.g., calculations, design specifications)*
 - *basic design assumptions and methods (e.g., single failure criteria, reg. guide requirements)*

PROJECT PLAN SUMMARY

v *Verification continuum for operational-related review items* ●

- *reviewer knowledge of commonly understood features and principles*
- *plant procedures*
- *specific support programs (e.g., inservice testing, ALARA)* ●
- *administrative directives or process*

PROJECT PLAN SUMMARY

v Deliverables

- UFSAR revision packages per NSD 220*
- Marked copy of the entire UFSAR with review item numbers*
- Data base documenting the review and disposition of all review items*
- Revised calculations*

PROJECT PLAN SUMMARY

v Deliverables (cont)

- Documentation of selected licensing basis documents reviewed and disposition*
- Minutes of relevant meetings*
- Required PIPs*

PROJECT PLAN SUMMARY

- v *Estimated Cost For Entire Project*
 - *Needs further refinement*
 - *Using \$900K/site incremental costs for '98 budget*

- v *Estimated Cost For Phase I*
 - *\$145K/site incremental cost*

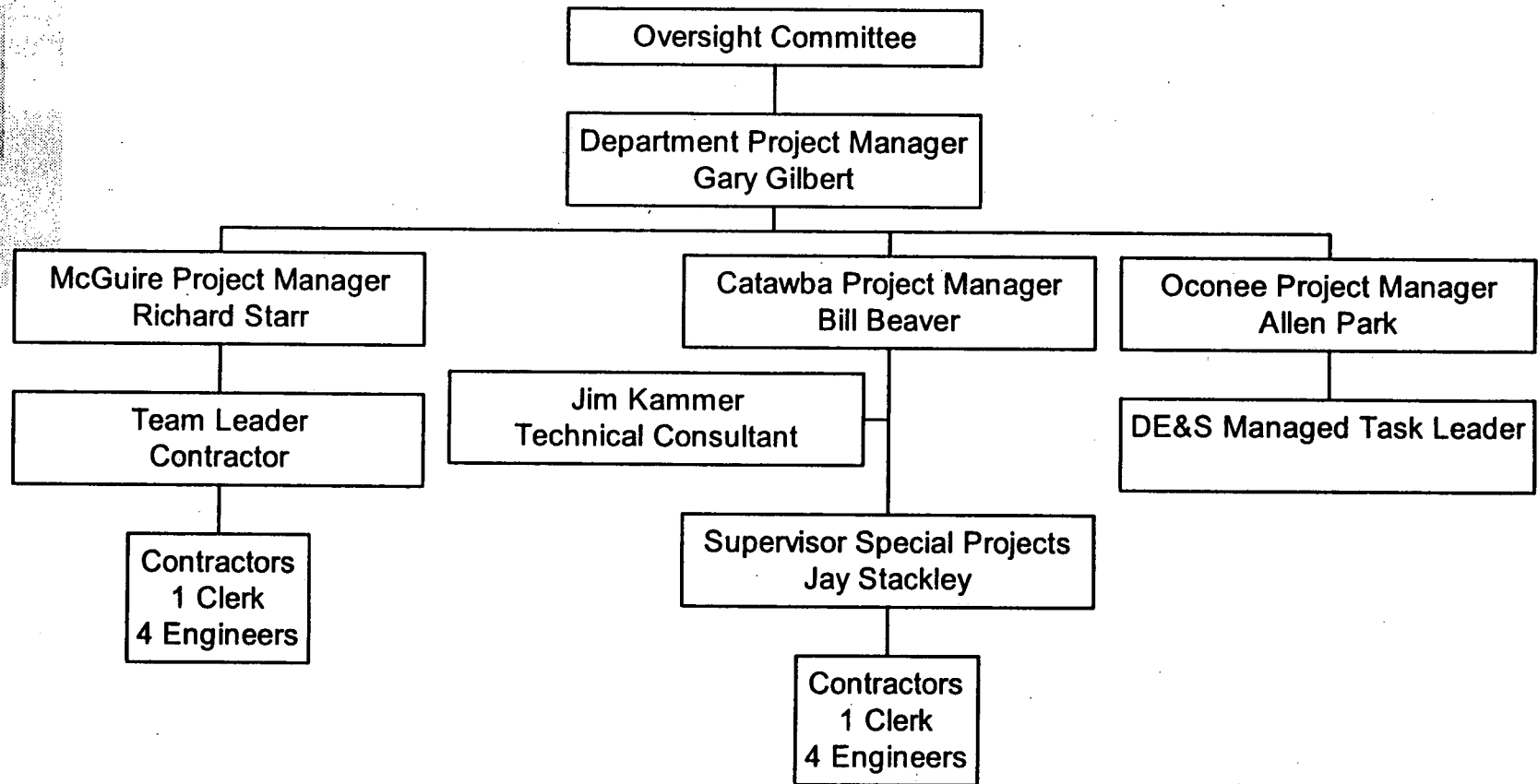
PROJECT PLAN SUMMARY

v Organization

- Oversight Committee*
- Overall Project Manager*
- Site Project Managers*
- Implementation team to be determined by phase I*
 - contract or managed task*

PHASE I DETAILS

Organization



PROJECT PLAN SUMMARY

v Schedule

- *For entire project*
 - *Needs further refinement*
- *For phase I*
 - *6/1 - 8/18/97 -- Put all prerequisites in place*
 - *8/18 - 9/26/97 -- Actual review of chapter 5*
 - *9/26 - 10/10/97 -- Evaluate results and prepare phase II plan*
 - *10/10/97 - Early start date for phase II*

NUCLEAR GENERATION

DEPARTMENT

LONG RANGE PLANNING

Roger Abernathy

Enclosure 4

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

PURPOSE:

- Enables best use of resources in support of safe and reliable operation
- Provides basis for budget development
- Provides a method for on going Management oversight of priorities
- Provides decreased administrative burden thru use of computer based technology

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING PROGRAM

ATTRIBUTES:

- Desk Top Program Available To All Individual Contributors, Supervisors, Managers
- Fast --- Efficient ----Always Current
- Provides data for individual activity
- Integrates data as needed for Supervision / Management oversight
- Compliments other work processes

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING PROGRAM

ATTRIBUTES:

- Integrates Cost Data and Delivers Information to Support Budget Process
- Electronic interface with other work management tools for efficiency
- Three Site and G.O. implementation supports NGD Management Oversight
- Report function supports data integrity

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

ELEMENTS:

EQUIPMENT AND OUTAGE

- WORKFORCE
- FACILITIES
- INFORMATION TECHNOLOGY
- MULTI-SITE PROJECTS

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

EQUIPMENT AND OUTAGE:

Contains known work to end of plant life

- Major and Minor Modifications
- Significant Predefined Work Orders with interval greater than 2 years or 2 Outages

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

(continued)

EQUIPMENT AND OUTAGE:

Contains known work to end of plant life

- Testing and Surveillance's that are significant with interval greater than 2 years or 2 outages
- Programs such as 89-10, Motor Testing Program, AOV Program, Limitorque/Rotorque Program etc..
- Engineering Studies / Site Projects

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

USES:

Management Oversight

- Activity Reports

PIP, Work Order, Modification, Priority, Functional Area,
Technical Sponsor, Job Sponsor

Integrated Reports

- Outage, Innage or Year
- Equipment
- Cost

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

USES:

Budget Preparation Support

Cost Information

- Station Labor
- Non Station Labor
- Material
- Contract
- Other
- CAPITAL and/or O&M
- Total cost for Innage, Outage or Year

Long Range Planning v1.0



Developed by Catawba Nuclear Station - IRT

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Long Range Planning

File Edit Options Help



EO



Choose Appropriate Button

8/21 10:57 AM

bpk286c

CAPS

NUM

OVR



EO []

CNEO-0271 []



General Information | Sponsor Information | Cost Information | Flags / Significant Items | Schedule

LRP #

CNEO-0271

Description

1NC PU D CLG INSPECT/REPLACE SEALS

Priority

Reliability Issue []

System

NC

Train/Chan

[]

Category

O&M []

Elective

Required

W/O #

91005054

Budget WID

7330PUMP10

Innage / Outage

0 []

Mod #

[]

Unit

1 []

Major Equipment

Pumps []

QA Condition

[]

PIP

[]

Identifier

[]

OPP ID

[]

Justification

[]

Description

1NC PU D CLG INSPECT/REPLACE SEALS

Comments

[]

Next Sched Window

010

Required Frequency

3R []

Work Hours

26 HR



EO

CNEO-0271

General Information

Sponsor Information

Cost Information

Flags / Significant Items

Schedule

Tech Sponsor

[Empty text box]

Resp. Number(Tech)

[Empty text box]

Resp Group

BL

Job Sponsor

[Empty text box]

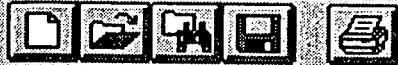
Resp. Number(Job)

7889

Management Sponsor

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Approved (Yes if Checked)



EO

CNEO-0271

General Information

Sponsor Information

Cost Information

Flags / Significant Items

Schedule

	Budget Grade	Current PLAN
Material	0	
Contract	0	
Engr Labor		
Station Labor	0	
Non-Station	0	
Other Costs	0	
Total	0	



EO

CNEO-0271

General Information

Sponsor Information

Cost Information

lags / Significant Item

Schedule

Significant Items	
<input type="checkbox"/>	Significant Outage Item
<input checked="" type="checkbox"/>	Radiographic Exam
<input type="checkbox"/>	Critical Path
<input type="checkbox"/>	Over 400 Hrs

Lead Time
[]

Early Start
[/ /]

Required Complete
[/ /]

Dose
[]

Extensive Eng Request

Special Material Request

Estimated Duration Eng

Lead Time Material

[]

[]

License Change Request

Procedure Development

Required License ID

[]

Choose Appropriate Button

8/21 11:00 AM

bpk286c

CAPS

NUM

OVR



EO

CNEO-0271

General Information

Sponsor Information

Cost Information

Flags / Significant Items

Schedule

Select Innage Codes

Innage	Begin Date	End Date
<input checked="" type="checkbox"/> 18-98	01/11/1998	09/12/1998
<input type="checkbox"/> 19-98	10/27/1998	12/31/1998
<input type="checkbox"/> 19-99	01/01/1999	04/12/1999
<input type="checkbox"/> 20-99	05/27/1999	12/31/1999
<input type="checkbox"/> 20-00	01/01/2000	02/28/2000

Select Years

Year
<input checked="" type="checkbox"/> 1997
<input type="checkbox"/> 1998
<input type="checkbox"/> 1999

Select Outages

Outage Name	BeginDate	EndDate
<input checked="" type="checkbox"/> 1EOC10	11/27/97	1/11/98
<input type="checkbox"/> 2EOC09	9/12/98	10/27/98
<input type="checkbox"/> 1EOC11	4/12/99	5/27/99
<input type="checkbox"/> 2EOC10	3/28/2000	5/12/2000
<input type="checkbox"/> 1EOC12	10/26/2000	12/10/2000

Selected Innages

Innage

Selected Years

Year

Selected Outages

Outage

Choose Appropriate Button

8/21 11:03 AM

bpk286c

DAPS

NUM

DVR



EO []

[]



- NSM

Outage

- PM

Innage

- Equipment

Year

- Category

- PIP

- Significant Items

Resp. No. (Job)

Job Sponsor

Resp. No. (Tech)

Tech Sponsor

AND

Incomplete Data

Start Date

Change Date

Innage / Outage

Search

All Records

Cancel

Double Click for ALL NULL or BLANK

NUCLEAR GENERATION DEPARTMENT LONG RANGE PLANNING

PURPOSE:

- Enables best use of resources in support of safe and reliable operation
- Provides basis for budget development
- Provides a method for on going Management oversight of priorities
- Provides decreased administrative burden thru use of computer based technology

SE Nuclear Plant Managers Meeting

Meeting is held twice a year in January and August

Led by Barney Beasley of Vogtle-turned over at this meeting after 3 years to John Herron of Sequoyah

Has several purposes:

- Exchange a set of common information on plant and human performance and learn from others successes or mistakes
- Hear from an industry or regulatory speaker on current and upcoming issues
- Tour one of the plants to provide feedback on housekeeping/material condition.

Each site prepares a handout (show the stack) and reviews the following data:

- Site Background data
- Operating Summary
- Significant Plant Experience since the last meeting
- Cost Effective Measures established
- Outage Summaries (duration, cost, activities of significance)
- Violation/LER Summaries

Some of the more common issues discussed at length at the meeting and on breaks/lunches were:

- On line Maintenance-what seems to fit the risk matrix at different sites
- Literal Compliance-all plants have the message-often this occurs with design basis issues over such things as fuel pool cooling: One plant had covered it SFP for ceiling painting and negated evaporative losses that were assumed in the calcs
- Recent INPO letter on Rad Worker practices and performance declining- May actually be the same but other improvements have passed it by. Doses are still declining and contaminations as well so a mixed message.
- Big Impact of AE Inspections- one plant spent \$500k- items are being found but at a high cost
- Several plants are working on improvement plans. It helped to present these and get the benefit of the other managers experience on what had worked and what had not been successful.
- For me, some of the discussions on the impact of unions on the way a plant is managed were valuable. It appears to make the process much more difficult especially if the relationship is adversarial.

Enclosure 5

Outside Speaker- Sam Collins- Director of NRR

Mr Collins spent the afternoon of the first day with the plant managers. He described what things were happening in NRR and also presented some thoughts on what constituted a good engineering organization.

Some of the highlights of his discussion were:

- NRR now has approximately 640 people and a \$20 million dollar budget. This is reduced from over 800 people two to three years ago and a commensurate budget. He feels the pressure from plants shutting down.
- He talked about a vision he has for the Project Mgrs in NRR and that he would like to see them involved in inspection of the licensing/compliance groups at the sites. This will take training and time. He is starting an effort on training.
- He talked about recent changes in the NRC Sr. management meeting process due to the fact that feedback from the commissioners indicated that they were not treating all SALP 2 plants the same. Some needed much more attention than others. The current process is very time consuming on an annual basis to review plant performance and eventually come up with the problem plant list and those requiring NRC approval for restart. New approach will be to:
 - 1st day-all plants reviewed-those that are clear SALP 1 or lower performers go their way. Most of the discussion for those plants on the edge.
 - Those on the edge go to the 2nd day discussions. All of those that go to the 2nd day will have calls made to the Sr. Nuclear officer-even if they avoid the list. Those that make the list are in one of 3 categories:
 - 1. Those that have improved from the problem plants and are being monitored for 2 cycles of operation
 - 2. Those on the problem list
 - 3. Those shutdown and requiring NRC approval for restart.
- He indicated that the NRC will be releasing the Plant Issues Matrix (PIM) next year.
- Reviewed allegations at plants for the years 91-96. The trend is up from 205 in 91 to 325 in 96. Being driven by 20% of the plants.
- Not all allegations turn out to be real issues -around 30% do.
- Also, of the harassment and intimidation allegations, about 5% are substantiated..
- Much of NRR's time is spent "answering the mail". The mail comes from concerned citizens, PHDs with research type questions, congress,

etc. they answer every one by letter. May be changing that process to use the phone and document the call.

- He has a vision for 50.59s and how to resolve the current issues surrounding differences between the industry and NRC. This week they will be presenting options to the commissioners. One of them will go like this:
 - If you have condition A described in your FSAR and something happens that degrades it slightly. If you plan to take short term actions (compensatory measures of some sort) that are covered within your corrective action program (short defined by the risk matrix), then no 50.59 is required as long as you do not plan to make that situation permanent. If you want to make it permanent, then a 50.59 is required.
 - You are in an USQ for both situations but could restart if tripped under situation 1 if the actions are in place under the corrective action program.
- He also discussed recent issues on vendor problems with dry casks, SG issues and whether a rule was needed (they are now considering a generic letter), Core performance (axial offset anomaly at Callaway has them at reduced power -90% and Siemens inspection has hit Susquehanna hard)
- On the deregulation front he cautioned us to look hard at making deals on power as the limits you have on voltage/frequency stated in FSAR must not be compromised by high or low power periods.