June 11, 1998

MEMORANDUM TO: File

FROM:

Charles A. Casto, Deputy Director Division of Reactor Projects ORIGINAL SIGNED BY CHARLES A. CASTO

SUBJECT: MINUTES OF OCONEE MANAGEMENT OVERSIGHT GROUP (MOG) SECOND MEETING, MAY 1998

In accordance with memorandum from Luis A. Reyes, dated April 13, 1998, Subject: Oconee Management Oversight Group Charter, a Management Oversight Group (MOG) was assigned for oversight of operations at Oconee. The MOG met at the Region II office first on April 14, 1998. On May 14, 1998, the second meeting was held.

The following personnel attended the meeting:

Panel Members -

98061

Charles A. Casto, Region II, Chairman Herbert N. Berkow, NRR, Vice Chairman David E. LaBarge, NRR, Senior Project Manager Charles R. Ogle, Region II, DRP, Branch Chief Michael A. Scott, Oconee SRI

Others -

McKenzie Thomas, Senior Reactor Inspector Danny Billings, Resident Inspector Scott Freeman, Resident Inspector

The following summarizes the actions taken by the MOG:

- 1. An exit strategy (Attachment 1) for the MOG was presented by the Branch Chief. This strategy was accepted after some modifications. This strategy provides the criteria for recommending a plant assessment be conducted and presented to the Regional Administrator.
- 2. An action item from the last meeting to develop inspection metrics was completed. An inspection criteria memo (Attachment 2) was sent to all inspectors. This process will assure the Plant Issues Matrix is consistent with Manual Chapter 0610 and provides continuous assessment of licensee performance.
- 3. The open items list was reviewed to determine what items would provide the MOG with insights into licensee performance. Generally, the MOG agreed that most LERs, unresolved items, and some inspector followup items would be labeled as essential for MOG assessment. These items would need to be successfully resolved before a MOG exit recommendation would be made. This list would be shared with the licensee at the upcoming bimonthly meeting.

- Some changes to the issues checklist were made (Attachment 3). The item 4. on operations procedures was changed to DRS/Landis instead of DRP/Ogle. This would facilitate inspection of operations procedures (specifically Emergency Operating Procedures) in conjunction with engineering inspections on calculations. The item on Westinghouse DB-25 breakers was subsumed by the Keowee modifications line item. It was determined that the modifications include items related to DB-25 breakers. There were few inspections completed since the last MOG meeting last month. therefore, no items were closed.
- No significant changes were made to the Oconee Recovery Task Checklist 5. during this meeting; therefore, a revised list will not be published.
- The results of the Plant Performance Review were discussed. A 6. memorandum forwarding the results will be sent from the Region. A review of the roll-up of those results (Attachment 4) was conducted. This roll-up was to be provided to the licensee during the upcoming meeting.

Docket Nos.: 50-269, -270, -287 License Nos.: DPR-38. -47. -55

Attachments:

- Exit Strategy 1. 2. Inspection Criteria Memo
- 3. Issues Checklist
- 4. PPR Roll-Up Results

cc w/atts: L. Reyes, RA/RII C. Casto. DRP/RII

- H. Berkow, NRR/PD
- D. LaBarge, NRR/SPM
- M. Tschiltz. EDO
- B. Boger, NRR
- M. Scott, SRI K. Landis, DRS/RII
- R. Carroll, DRP/RII

Distribution w/atts: PUBLIC

						· 0								
OFFICE	RII:DRP		RII:DRP		NRR	TYNC								<u></u>
SIGNATURE			a		10	5119198								
NAME	COGLE		CCASTO		DLABARG	8								
DATE	6/ 4	/98	6/ !!	/98	6/	/98	6/	/98	6/	/98	6/	/98	6/	/98
COPY?	AE3	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO	YES	NO

OFFICIAL RECORD COPY

DOCUMENT NAME: P:\MINUTES.002

EXIT STRATEGY

Prior to the MOG suspending activities. the following will be satisfied: Issues checklist:

- All licensee recovery plan actions appropriately inspected. Licensee actions complete or planned licensee actions captured in an auditable tracking system.
- All NRC areas of concern have been inspected with minimum adequate performance demonstrated.

PIM Review:

Ongoing licensee performances as reflected by PIM entries shows adequate performance on the part of the licensee.

Open Items:

All recovery essential identified open items appropriately resolved. Where planned licensee actions exist, they are captured in an auditable tracking system.

When the above items are satisfied, the MOG will recommend to the Regional Administrator an assessment of licensee performance by a PPR or SALP panel. Exit from the MOG will occur if this assessment indicates that licensee performance is adequate in all template areas with no template subcategory areas evaluated as poor.

C:\OGLE\OCD_MOG\EXITSTRA

ATTACHMENT 1



UNITED STATES NUCLEAR REGULATORY COMMISSION REGION II ATLANTA FEDERAL CENTER 61 FORSYTH STREET, SW, SUITE 23T85

ATLANTA, GEORGIA 30303-3415

May 8, 1998

MEMORANDUM TO:

Kerry D. Landis, Chief Engineering Branch Division of Reactor Safety

Charles R. Ogle, Chief Reactor Projects Branch 1 Division of Reactor Projects

Michael A. Scott, Senior Resident Inspector, Oconee Division of Reactor Projects

FROM:

Charles A. Casto, Deputy Director Division of Reactor Projects

SUBJECT:

INSPECTION CRITERIA TO BE USED DURING FUTURE INSPECTION OF OCONEE ACTIVITIES

To support the efforts of the ongoing Oconee Management Oversight Group. please ensure that the guidance of the attachment is implemented for all future inspections at Oconee.

Attachment: Inspection Criteria

cc w/att:

DRP Branch Chiefs DRS Branch Chiefs M. Tschiltz, NRR D. LaBarge, NRR H. Berkow, NRR B. Mallett, RII L. Plisco, RII B. Mallett, RII R. Carroll

1210114

ATTACHMENT 2

INSPECTION CRITERIA

1. Support of the MOG's function to provide oversight of Oconee activities will require modifying inspection report inputs. This applies to DRP and DRS inputs. Specifically, the MOG will need an assessment of the licensee's performance in the areas inspected in each of the applicable template areas.

2. To accomplish this, the conclusion of each item documented in an Oconee report including open items, will contain an assessment of the licensee's performance in each of the applicable template areas. This is in addition to any conclusion which is normally developed as part of the inspection process. Performance in each of the applicable template areas will be assessed as: excellent, good, adequate, or poor. These will be captured using the standard PIM entry categories as shown below. The following provides assessments for each of the standard PIM entries.

PIM SHADING	PIM ENTRY	ASSESSMENT FOR ITEMS INSPECTED
E	STRENGTH	Excellent Performance
G	POSITIVE	Good performance - Performance is more than adequate
A	POSITIVE	Adequate performance which at least meets regulatory requirements
	NEGATIVE WEAKNESS LER VIOLATION NCV	Poor performance (For violations. LERs and NCVs. poor performance is in area of violation)

Each conclusion will contain an executive summary bullet for that conclusion. The executive summary bullets must be detailed enough to ensure that the bullet (and ultimately the corresponding PIM item) is clearly understood.

3. PIM entries will be provided by the inspectors for each of the conclusions reached along with designation of the applicable template area designations. The Oconee SRI will retain responsibility for entering these bullets into the PIM. These will be graphically displayed on the PIM as shown above to provide visual representation of licensee performance. The attached matrix provides the template areas and subcategories. Further information is provided in the attached examples.

ATTACHMENT

			CATEGORY/	·	i. J
	1 Operating Performance	2 Material Condition	3 Human Performance	4 Engineering Design	5 Problem ID/Resolution
SUBCAT	How the plant is operated during both normal and transient conditions using the established programs and processes; including support programs.	The performance and condition of plant equipment, how they are maintained and tested through the implementation of established programs and processes.	How individuals do their work within a given environment using the programs and processes that support the work.	How the plant design basis and design are documented, understood, modified and applied and how engineering support is provided to the facility.	The recognition, analysis, resolution of material and perform issues within the plant; inclu licensee effort in self-assessment.
A	Normal Operations Operations* during normal conditions including shutdown, such as: configuration control, staffing/ resources, command, control, communication *includes operation of support programs	Equipment Condition Observations and findings regarding the performance or condition of plant equipment, including housekeeping.	Work Performance Actions of an individual during conduct of work activities. attention awareness communication	Design Documenting, understanding, maintaining, and modifying the plant design and design basis.	Identification Monitoring and review of material condition and performance, identification of problems, and communication of these to the appropriate personnel.
B	Operations During Transients Operations ⁴ during any unanticipated change in facility conditions, such as: activation of Emergency Response, plant transient, abnormal operations during shutdown, initiating events, unanticipated exposures, *includes operation of support programs	Programs and Processes Framework and implementing procedures to test and maintain plant structures, systems, and components. This includes the implementation of these programs.	KSA Issues associated with the knowledge, skills, and abilities of individuals, including training.	Engineering Support Technical support of the plant on an ongoing basis	Analysis Evaluation of identified issues to understand their breadth and depth including contributing factors and formulation of an appropriate cour of action.
С	Programs and Processes Systems that provide the framework, structure, and implementing procedures to guide specific activities in support of safe plant operations, including the following programs: Safeguards, Health Physics, Emergency Planning, Security, Chemistry, Fire Protection, Personnel Safety		Work Environment Context, programs, and processes that influence and supports the execution of work, such as: physical environment, workload, supervisory oversight, procedure quality and completeness	Programs and Processes The framework and implementing procedures to guide activities in support of engineering, design, and licensing.	Resolution The resource commitment, scheduling, tracking, completion, assessment of actions to resolve problems.

EXAMPLES

The following is a list of examples developed by the Category Development and Criteria Development workshops. The examples are intended to be a representative sample (not an exhaustive list) of issues reflected in PIM entries. The examples are divided by Template subcategory and will assist a Resident Inspector and/or Branch Chief to appropriately categorize PIM entries.

1A. Normal Operations
Configuration control
Staffing
C³ -- Command, Control, Communication
Execution of support programs
Number of violations of LCOs
Number of misconfiguration TS violations
Failures in tag-outs and lock-outs

1B. Operations During Transients
Emergency response -- Identification, Classification, Follow-up
Configuration control
Staffing
C³ -- Command, Control, Communication
Adequacy of event documentation
Execution of support programs (including activation of emergency response)

1C. Programs and Processes EP Programs Fire Protection Security Program Operations Support Program Procedural Development/Quality Information Systems

Number of LERs involving problems with procedure inadequacies

Other Operations Examples

Examples below are categorized as either 3A or 3B depending on operating condition (normal/transient) number of inadvertent safety system actuations number of problems during outages

difficulty during startup

number of operations-induced transients

number of operations-induced scrams

number of operator-generated significant events

number of safety system actuations

severity of transients (and consequences)

number of significant events or precursors

escalation of minor conditions due to inadequate or wrong operator response

timeliness of response to events

number of operator errors due to poor communication

number of operator errors due to poor drawings

number of operator errors during response to transients due to lack of knowledge

number and nature of operator errors in response to transients occurrence of errors of commission during response to transients use of risk information to guide decisions adequacy of work package tracking (configuration awareness) adequacy of outage planning (risk-informed)

Configuration Control Examples (3A/3B)

instances in which adequate safety margins were not maintained instances in which appropriate defense-in-depth is not maintained instances in which operators demonstrated lack of knowledge of current plant configuration given plant activities

instances in which operators did not effectively manage the plant's risk profile

Command, Control, Communication Examples (3A/3B) up-to-date operator knowledge of current plant conditions communications in control room in accordance with standards adherence to existing programs and processes instances of procedure violations operator awareness as demonstrated by alertness and vigilance adequacy of shift turnover effectiveness of communications with other departments instances of observed crowding in the control room demonstrated clarity of decision authority and accountability involvement of appropriate personnel in event response (function allocation)

2A. Equipment Condition Equipment Reliability/Failures Repetitive Equipment Failures Safety System Reliability/Failures Availability Equipment Forced Outage Rate Safety System Actuations Annunciator status Unplanned LCOs Equipment response after scram Maintenance Rule Results Performance History **MPFFs** Equipment Importance Equipment Problems Common cause failure rate Cleanliness Number of (operator) work-arounds Steam, water or oil leaks painting/preservation Testing Results (touch, smell) Material Condition Tags

Number of components in the alert range Environmentally induced degradation Equipment Aging Number of temporary modules/modifications Equipment vibration Control Room Deficiency

2B. Programs and Processes Maintenance Program & Procedures Surveillance Program & Procedures Maintenance/Surveillance Procedure Implementation On-line Maintenance Maintenance Rule Program Contractor Management/Oversight Resources/Maintenance Staffing Available Parts Maintenance State -- breakdown, preventive, predictive Tools & Diagnostic Methods IST/ISI Program Maintenance Program Testing properly accomplished Trending Program Results Test Pre-conditioning Work Package Quality Post-Maintenance Testing Work Control/Execution Foreign Material Exclusion Maintenance Backlog Overdue PMs Rework Rates Anticipated Deterioration Corrective Maintenance Backlog Instrumentation and Control Support

3A. Work Performance
Good communication, communication breakdown
Procedure adherence, use of procedures, procedure use errors
Job performance aids
Work hand-off
of transients that involve latent errors
Team performance, teamwork
Questioning attitude, pro-active vs. reactive
Formality in control room
Stop, Think, Act, Review (STAR)
Attention to detail
Cooperation
Excessive overtime

Stop work in questionable situation

HRA in PRA

Good job brief

Sleeping on duty

Overconfidence

Conscious vs. automatic

Fitness for duty

Unmotivated personnel

Wrongly motivated personnel

Appropriate people making decisions, decision making, timely decisions

Malicious compliance/non-compliance

HP contributes to event initiation

Inattention to duties, attentiveness, vigilance

Cognitive errors, 0% errors, personnel error rate

Safety focus

Number of events involving the lack of use of procedures

Number and nature of operator errors in response to transients

Occurrence of errors of commission during response to transients Number of work arounds

3B. KSA/Training

KSA's, knowledgeable of job tasks, systems knowledge Adequacy of work package Exam failure rate Worker task qualification process OJT process Training Requalification failure rate Use of mock-ups and dry runs Requal program Simulation Use SAT, Training program deficiency, incorporated lessons learned in training Conduct job briefings Contractor qualification Number of operator errors during response to transients due to lack of knowledge Operator training up-to-date

Adequacy of pre-briefings and training for infrequent tasks

3C. Work Environment
Shift schedule
Environmental related human errors, stress induced problems, environmental conditions
Supervision, management oversight
Task allocation, function allocation, workload
Procedure quality (generic)
Understanding, clear accountability
Operator aids
Habitual use of overtime

Rate of staff turnover

Number of staffing level exceptions or violations

4A. Design

Environmental Design -- heat issues, lighting issues, noise issues Environmental Qualification (EQ)-- seismic, environmental Maintainability FSAR updates

Up-to-date drawings

Quality of calculations, Design calculations

Response to engineering requests

Design basis reconstitution

Manual operator response time measures

Digital/Analog integration

CR redesigns

Maintenance CDB (Current Design Basis)

Design Issues -- Human Errors (HSI), Design of hardware

Plant computer issues

SPDS redesign

Design basis understanding

Accessibility of design information

Maintenance CLB (Current License Basis)

Instances of a mismatch between current as-built plant and drawings and other documentation

4B. Engineering Support Reactor Engineering Fuel cycle management Technical support Material certifications JCOs (Justification for Continued Operations) Technical adequacy of procedures Quality of operability evaluations Test review and analysis 50.59 Reviews USQ (Unresolved Safety Question) Control of engineering backlog Appropriate operating limits in procedures Trend system performance PRA Development OER quality Quality of safety evaluations System Engineering Ownership System engineer knowledge of system status Corporate engineering Engineering design backlog System reviews

Plant efficiency -- steam losses, etc.

Responsiveness to engineering support requests Motor-Operated Valve Follow-up evaluation of plant modifications -- Testing following design changes

4C. Programs and Processes Temporary modification System to prioritize engineering requests Technical specifications Quality of exemption requests Documentation issues Quality of amendment requests Modification control issues Maintenance of vendor documents Quality of module packages Engineering organization intrusiveness Licensing issues Perform Part 21 reviews Set point control Vendor/contractor oversight OER program Maintenance/Surveillance Technical Adequacy

5A. Identification Self assessment QA findings Peer evaluations OER reviews, industry feedback Questioning attitude Problem identification criteria/threshold Potential Problem Analysis Process (PPA) Performance trending Problem report levels adhered to Quality Control/Assurance (QC/QA) Workers initiate problem reports, problem ID available at all levels of personnel # of problem ID problems - many or single event Problem ID tag Human performance issues are addressed Performance observation methods Systemic thinking/ approach Improvement programs Role of QA in the site (reporting level) Independent review/ oversight, ISEG, PORC, off-site committee effectiveness Corporate culture Openness with NRC Management knowledgeable of problems

Employee grievances, employee-management relations

Event investigations

Prioritization of problems

Self assessment criterion defined

Root-Cause Analysis, events and causal factors analysis, document reasons for Terminating RCA Trended including MIS, methods for capturing trend information

Operability evaluations are performed

Communications of priorities

Analysis/ evaluation criteria

Identify conditions that the corrective actions are intended to achieve

Qualifications of RCA evaluations

Specify links between root causes and corrective actions

Extent of condition review

Use of lessons learned from near misses

PRA: to evaluate resolutions, prioritize problems, identify precursors

PRA to communicate issues

Auditable

Trending data includes human performance categories

Quality of LER preparation

Document conclusions of RCA

5C. Resolution

Timeliness, average time to implement fixes

External commitments, response to NRC concerns

Management support, adequate dollars to fix problems

Repetitive issues, repeat failure rates

Corrective action program

Inter-departmental communication of issues

Validation and verification, post-modification testing

Corrective action backlog

Planning, manpower requirements considered, CA plan development, internal commitments Determined measurable objectives, measures of effectiveness of CA's

Monitoring corrective actions

Tracking

of operator work arounds

IPE follow-up

Feedback to originator

Allegations

Employee concerns program, safety concerns program

OCONEE RECOVERY PLAN ISSUES CHECKLIST

Area	Action	NRC Lead Licensee Status		NRC Inspection/Action (Results/IR/Date)	NRC Status	
LICENSEE R	ECOVERY PLAN ACTIONS			· · · · · · · · · · · · · · · · · · ·	:	
Design Basis	HPI System Review	Landis			-	
	SITA HPI/LPI System Review	Landis				
	Oconee Safety Related Designation (OSRDC)	Landis (NRR-Any licensing issues)		:		
	Resolve ECCW Suction Supply to LPSW (OSW)	Landis				
· · · · · · · · · · · · · · · · · · ·	USFAR Review Project	Landis				
	SQUG Outlier Resolution Review	Landis		· · ·		
	Emergency Power Project	Christnot	·····			
	GL 96-06 Review (non- licensing issues)	Landis				
	EFW SSEI	Landis		······································	· · ·	
	Configuration Management Project	Landis				

June 1, 1998 (8:09am) C:\OGLE\OCO_HOG\155UE_CK.2ND

ATTACHMENT 3

Y,

System Equipment	Material Condition Upgrade	Scott					
	Control Rod Drive Mechanism Replacement	Billings					
	Top Equipment Problem Resolution Process (TEPR)	Freeman					
	System Team Development	Landis	 			· · · · · · · · · · · · · · · · · · ·	
	Fluid Leak Management Program	Freeman	 			-	
	Temporary Modifications	Landis	·	••• ••• ••• ••• ••• ••• ••• ••• ••• ••			-
	CRIP Management and Reduction	Billings					
	Inservice Inspection Program Assessment	Fredrickson			•		
	Secondary System Component Reliability	Landis					
Human Performance	Human Performance Measures and Organization Direction (ORP)	Scott			<u> </u>		
	Maintenance Procedures	Christnot	·	<u> </u>		+	
Self Assessment	PIP Activity Backlog	Landis					_
	PIP Quality Improvements	Landis					
	Manager Observations and Group Self Assessment	Landis			<u> </u>		

. d.

	Inplant Review/Job Observation Program	Billings				
Operational Focus	Root Cause Analysis and Corrective Action	Landis				
	Emergency Operating Procedures	Landis				
	Response to Operational Concerns	Billings				
	Risk Assessment	Freeman				-
	Work Backlog Management	Fredrickson		<u> </u>		
	Outage Readiness	Fredrickson			<u> </u>	
Temporary Defense	A.1 Management oversight observation	Freeman				
	A.2 Management oversight during startup/shutdown	Freeman				
	A.3 Inventory Monitoring Enhancements	Freeman	······································		·	
	B. Eng/Ops/Maint Interface	Landis/ Fredrickson	•			
	C. Improved Trouble Shooting	Freeman				
	E. Post Maint/Mod Testing	Landis/ Fredrickson			<u> </u>	
	F. Chemistry/Ops Interface	Christnot				
NRC AREAS OF	CONCERN	· ·	· · ·	L	· · · · · · · · · · · · · · · · · · ·	

Human Performance	Procedural Controls/Adequacy/Compliance	Scott				
Problem ID and Resolution	Safety Assessment Quality Verification (including OEF)	Christnot				
Design Basis/Tech Support	CREV SSEI	Landis			·····	
-	Emergency Electrical Distribution System Review (TAC A0886, A0887, A0888)	ŅRR				
Equipment	Containment Coatings	Landis				-
	Keowee W Breaker Mods/Replacement	Christnot		· · · · ·		
Issues Not Es	ssential for Recovery	· · · · · · · · · · · · · · · · · · ·			,	"I
Code Issues	98-01 Przr & Letdown welds	NRR	······································			
	98-GO-001 VT-3 exam req	NRR	· ·			
	98-GO-002 Bolting torque	NRR				
	98-GO-003 Alt to exam of concrete containment	NRR				
	Fatique Analysis	NRR				·
	Emergency Power System Reliability Assurance	NRR	· · ·			
•	Operating Experience Program	Christnot			· · ·	

June 1, 1998 (8:09am) C:\OGLE\OCO_MOG\ISSUE_CK.2ND

	Operational Safeguards Response Evaluation (OSRE)	Landis			
	Severe Accident Management Guidelines (SAMGs)	Billings			
	OAC Replacement Project	Freeman			
	ONS Equipment Aging Project	Freeman		· · · · · · · · · · · · · · · · · · ·	
	Integrated Control System Replacement	Freeman			
Other NRR Act	ions (Not Essential for Recove	ery)			
	SQUG (Outliers monitored under licensee's program)	NRR			
	ITS	NRR			
	HPI Amendment	NRR	· · · · ·		
· · · ·	CREV (TIA)	Landis			<u> </u>
	Service Water Amendment	NRR		NRC letter dated 4/24/98 (TAC M99487, M99488, M99489)	Complete
	MSL Break Detection (BL 80-04)	NRR			

June 1, 1998 (8:09am) C:\OGLE\OCO_HOG\ISSUE_CK.2ND

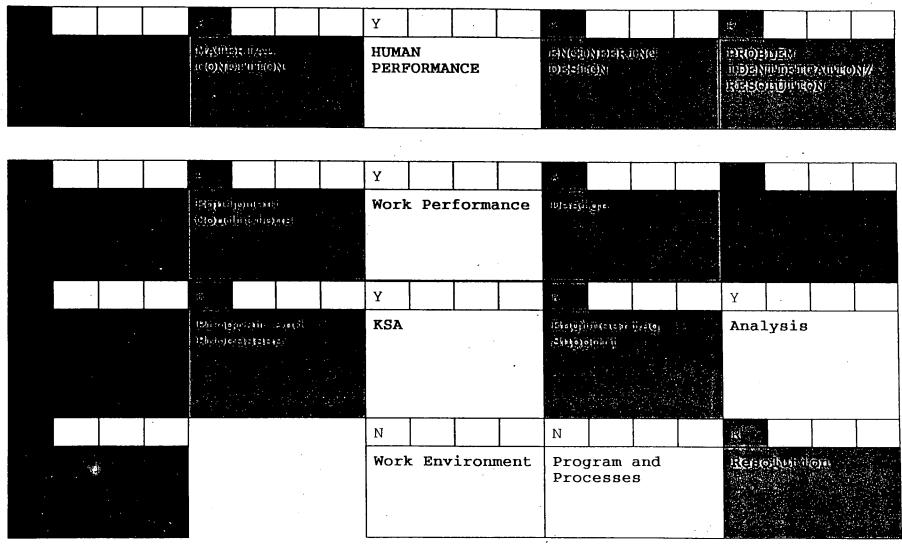
The following are the criteria which will be used during assessment of Oconee performance:

- Excellent: Performance exceeds regulatory standards in the subject area and is critically assessed for improvement. There are no significant NRC-identified implementation problems.
- Good: Performance in subject area meets regulatory standards with minor exceptions.
- Adequate: While performance in subject area meets regulatory standards, problems exist which indicate that additional licensee attention is warranted.
- Poor: Significant problems exist in the subject area or there are numerous examples therein which indicate systemic or pervasive problems. Significant means or results in (1) Severity level III (or higher) identified violation: (2) Safety or risk significant events: (3) Systematic management breakdown; (4) Willful acts: or (5) Major variance from requirement.

ATTACHMENT 4

C:\OGLE\OCD_HOG\ROLL_UP_CRI

OCONEE ROLLUP 5/4/98



.

. .