Blandy	Vogtle Electric Generating NUCLEAR OPERATIONS	Plan	Proc. Jire No. 29536+C Revilion No
3/4/88	.Unit COMMON	Georgia Power	P-90 No. 1 of 17

READ AND DESTROY OS-121-90

# OUTAGE MANAGEMENT PROCRAM

# FOR INFORMATIL

# 1.0 PURPOSE

The purpose of this procedure is to define an outage management approach to planned outage work and long-term outage planning and to establish the responsibilities and relationships required to implement an effective Outage Management Program.

# 2.0 DEFINITIONS

### 2.1 OUTAGE

These are the North American Electric Reliability Council's (NERC) definitions. They specify that an outage exists whenever the unit is not synchronized and is not in a Reserve Shutdown (i.e., not in service with the system and not available for service). There are six distinct types of outages, each depending on the extent to which the outage could have been postponed.

### Planned Ourage

Planned Outgages are scheduled well in advance and are of a predetermined duration. Turbine overhauls or inspections, testing, and nuclear refuelings are typical planned outages. Characteristically, planned outages are planned well in advance and usually occur during those seasons of the year when the peak demand on the system is lowest, have flexible start dates, have a predetermined duration, last for several weeks, and occur only once or twice a year.

# Maintenance Outage

An outage which can be deferred beyond the next weekend but requires that the unit be removed from service, another full outage state or a reserve shutdown before the next Planned Outage. Characteristically, maintenance outages can occur anytime during the year, have flexible start dates, may or may not have a predetermined duration and are much shorter than Planned Outages.

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### Scheduled Cutage Extension

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This is the extension of a Planued Cutage (PO) or Maintenance Outage (MO) beyond its originally estimated completion date, such date being established at the start of these outages, if predetermined.

A Scheduled Outage Extension (SE) may be used in those instances where the original scope of work requires more time to complete than originally scheduled. The SE should not be used for those instances where unexpected problems or delays are encountered that render the unit in question out of service past the expected end date of the PO or MO. These unexpected events should be reported as either Unplanned (Forced) Outage - Immediate, or Startup Failure (SF) as appropriate. A Schedu.3d Outage Extension (SE) must start at the <u>same</u> time (month, day, hour, minute) the PO or MO (being extended) ends.

#### Startup Failura

This is an outage that results from the unsuccessful attempt to place the unit in service following the unit's being in an outage or reserve shutdown state. The unit is considered to be in a Startup railure if the unit cannot be placed in service within the <u>Utility's</u> specified time for the specific startup <u>and/or</u> requires significant repairs to the equipment or control systems which halted the normal startup cycle. Repeated failures to start for the same reason are considered as part of the same Startup Failure. The Startup Failure begins when the unit is no longer able to continue its startup cycle or surpasses the originally estimated synchronization time. The Startup Failure ends when the unit is synchronized or enters some other (permissible) outage or shutdown state. A Startup Failure (SF) must start at the same time (month, day, hour, minute) the previous full outage ends.

# Unplanned (Forced) Out\_ge - Immediate

An outage that requires immediate removal of a unit from service, another full outage state or a reserve shutdown. These types of outages result from immediate mechanical/electrical/hydraulic control systems trips and operator initiated trips/shutdowns in response to unit alarms.

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### · Unplanned (Forced) Outage - Delayed

This is an outage which does not require immediate removal from service but requires that a unit be removed from service within six hours.

### Unplanned (Forced) Outage - Postponed

This is an oucage which can be postponed beyond six hours but which requires the unit to be removed from service before the end of the next weekend.

### 2.2 DERATING

A derating exists 'henever a unit is limited to some power level that is less than the unit's Net Maximum Capacity (except when the limitation occurs entirely during an outage). The cause of the limitation can be equipment failures, regulatory restrictions, or any other operating restraint.

2.3 OUTAGE WORK ORDER PACKAGE

A maintenance work order (MWO) which has been identified and verified as requiring an outage for implementation and all of the associated documentation required to implement the work order.

#### 2.4 OUTAGE COPE

An assembly of Outage Work Order Packages, Surveillance Task Sheets, Special Tests or Preventative Maintenance Work Orders. The Outage Scope includes all work to be performed during a specific outage.

### 2.5 CLEARANCE PACKAGE

A system clearance with all of the Outage Work Orders which can be performed under that clearance attached to it.

### 3.0 RESPONSIBILITIES

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3.1 OUTAGES AND PLANNING MANAGER (OPM)

The Outages and Planning Manager is responsible for:

3.1.1 T'e formation and subsequent performance of an Outage Management Team.

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3.1.2	Planning, establishing and controlling scope of outages.
3.1.3	Developing and approving all outage schedules.
3.1.4	Directing and managing outage execution which comes at main generator breaker trit and completes at main breaker closure.
3.2	ATTAR OPERATIONS (MO)
	The Manager Operations is responsible for:
3.2.1	The orderly shutdown of the plant and for maintaining the plant in a safe operating condition during the outage.
3.2.2	Reviewing outage which packages to ensure that operational safety is maintained and that no outage work package results in a violation of Technical Specifications.
3.2.3	Identifying to the Outage Scheduling Superintendent any Limiting Conditions of Operations (LCO's) that are resolved by an outage work package and review of outage schedules for adherance to those LCO's.
3.2.4	Directing during an outage the value line-up, tagging and clearance accivities required by the Outage Schedule
3.2.5	The orderly startup of the plant following the completion of a plant outage.
3.3	MANAGER MAINTENANCE (MM)
	The Manager Maintenance is responsible for:
3.3.1	Ensuring that Work Orders are generated for all preventative waintenance work which requires an outage.
3.3.2	Providing support to the Outage Scheouling Superintendent far the pre-planning and analysis of outage work order packages as requested.
3.4	NUCLEAR SAFETY AND COMPLIANCE MANAGER (NSACM)
	The Nuclear Safety and Compliance Hanager will:
3.4.1	Provide appropriate listings of all Surveillance Tests (ST's) which require an outage and the corresponding

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3.4.2	Provide su in reviewi surveillan commitment	pport to t ng outage ce test re s for plan	he Outage Sche Schedules as a quirements and t modification	duling Su chey relat i licensin ns.	perintendent e to S
3.4.3	Ensure tha are issued included i	t all appr in a mann n appropr!	opriate surve: er which will ate outage pa	illance ta allow the ckages.	sk sheets m to be
3.5	NUCLEAR SE	CURITY MAN	AGEE (NS21)		
	The Nuclea	r Security	Munager is r	esponsible	for
3.5.1	Reviewing support fo control wi	outage sch r badging, 11 be avai	edules to def escorts, fir lable for ar	ine and en ewatch and outage.	sure proper access
3.5.2	Froviding and Planni	outage sup ng Nanager	port as reque	cted by th	e Outages
3.6	PLANT TRAI (PT&EPM)	NING AND E	NERGENCY PREP	AREDNESS M	LANAGER
	The Plant is respons	Training a tible for:	nd Emergency	Preparedne	sj Manager
J.6.1	Ensuring t Respirator personnel.	hat Gerera Training	l Employee Tr is available	aining (GE to outage	(T) and support
3.6.2	Ensuring ( designated responsibl	that specia by the Ou le Superint	lized outage tages and Pla endent/Manage	employee ( nning Mana r is avail	raining as ger or the able.
3.7	WORK PLAN	ING AND CO	NTROLS SUPERI	NTENDENT (	WPCS)
	The Work I responsib:	Planning an le for:	d Controls Su	perintende	ent is
3.7.1	Identifyin	ng any work	order which	requires a	in outage.
3.7.2	Verifying and pre-pa material	that each ackaged for is staged.	outage work o work and tha	rder is pr t the requ	re-planned zired
3.7.3	Notifying work order work.	the Outage r is outage	Scheduling S related and	uperintend that it is	dent that a s ready for
3.7.4	Requisitie	oning "in s	tock" materia	1 for worl	( order

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3.7.5	Providing installation scatus to the Outage Scheduling Superintendent for work order execution during a plant outage.
3.8	MODIFICATIONS AND OUTAGE SUPPORT GROUP SUPERINTENDENT (MOSGS)
	The Modifications and Outage Support Group Superintendent is responsible for:
3.8.1	Verifying that all special order (non-stock) material/equipment required for plant modifications is requisitioned and expedited.
3.8.2	Developing and implementing a plan for the isolation, staging and distribution of material/equipment required to support an outage.
3.8.3	Performing a constructability study for each outage related plant modification.
3.8.4	Directing the work efforts of Outage Area Supervisors who during outage execution:
2.8.4.1	Are the field source for implementing any decisions.
3.8.4.2	Prioritize area work attivities should conflicts arise.
3.8.4.3	Ensure that work throughout the area is not creating safety problems.
3.8.4.4	Resolve restraints by prompt interfacing with appropriate persons.
3.8.4.5	Conduct one-on-one turnover to "opposite shift" Area Supervisors.
3.8.4.6	Elevate restraints/problems, if unable to solve, for outage shift management action.
3.8.4.7	Maintain logs of outage execution to include variances from outage schedule for input into the Outage Report.
3.9	KEALTH PHYSICS SUPERINTENDENT (HPS)
	The Health Physics Superintendent is responsible for:
3.9.1	Reviewing the outage scope and schedule to ensure that proper minpower, material and dosimetry support will be available during in outage.

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3,9,2	Implementing the ALARA Program and establishing ALARA goals for planned outages.
3,9.3	Participating in the pro-planning of potentially high exposure tasks.
3,9.4	Maintaining current radiological survey data required for ALARA outage job reviews.
3.9.5	Ensuring that timely ALARA pre-job, post-job, design and modification reviews are performed.
3.9.6	Establishing and maintaining a radiation and contamination control program.
3.9.7	Issuing Radiation Work Permits (RWP) in support of the outage plan.
3.9.8	Performing and documenting radiation and contamination surveys, air sampling and analysis.
3.9.9	Determining procedtive clocking, personnel respiratory procection, stay times and shielding requirements.
3.10	CHEMISTRY SUPERINTENDEN (CS)
	The Chemistry Superintendent is responsible for:
3.10.1	Reviewing outage schedules to ensure sufficient Chemistry department personnel, material and equipment are available to maintain the plant within chemistry specification tolerances during an outage.
3.10.2	Participating in system and component inspections during outrige execution.
3.10.3	Establishing plant chemistry in-tolerance conditions that support the rapid return of the plant from outage condition to full power operation.
3.11	ENGIMEERING SUPPORT SUPERINTENDENT (ESS)
	The Engineering Support Superintendent is responsible for:
3.11.1	Identifying to the Outage Scheduling Superintendent al planned and potential plant modifications along with information related to their design and procurement status.

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3.11.2	Coordinat Outage Sci development	ing schedul heduling Su nt and impl	ing and cos perintenden ementation	t studies wi t to facilit of long-rang	th the ate the e plans.
3.11.3	Ensuring packages order to comprehens	the schedul for install facllitate sive outage	ed issuance ation of pl early devel work packa	of design c ant modifica opment and a ges.	hange tions in nalysis of
3.11.4	Requisitio design cha	oning of no ange packag	n-stock equ e implement	ipment and m ation.	aterial for
3.11.5	Providing Outage Sch work order per the sc	the Inserv heduling Su rs required chedule for	ice Inspect perintenden to support inclusion	ion Plan (IS t and ensur: the ISI Pla in the outag	<ol> <li>to the ng that all n are issued e scope.</li> </ol>
3.11.6	Providing outage, as Manager.	engineerin s requested	g support u by the Out	pon commence ages and Pla	ment of an nning
3.12	OUTAGE SCH	HEDULING SU	PERINTENDEN	T (OSS)	
	The Outage for:	s Schedulin	g Superinte	ndent is res	ponsible
3.12.1	Scoping, c evaluating outage sch Procedures	developing, g all plann nedules grea s 01009-C as	modifying, ed outage s ater than s nd 29537-C	statusing a chedules and eventy-two h for details)	nd forced ours (see ,
3.12.2	Scheduling implemente	g and track ition of ou	ing the dev tage relate	elopment and d plant modi	fications.
3.12.3	Establishi activities	ing implements which requ	ntation pri uire an out	ocità <b>for</b> : Stat	a11
3.12.4	Developing forecascs, estimates	and monico Operation and C&M res	oring of c s and Maint fueling budj	or a budget (O&M) get and budge	s and outage et control.
3.12.5	Ensuring t and provid managers/s	that pre-cur ling schedu superintende	tage work i le assistan ents.	s difined and ce to departs	d scheduled ment
3.12.6	Staffing a that provi informatio facilities	it outage co des current on, schedul:	ommencement t work order ing support	a communica r installatio and conference on/resolution	tions Jenter on nce room

<ul> <li>3.12.7 Generating reports to management on pre-outage evaluations.</li> <li>3.12.7 Generating reports to management on pre-outage evaluations.</li> <li>3.12.7 OUTAGE MANAGEMENT</li> <li>4.1 CENERAL</li> <li>4.1 Outage Management encompassas: <ul> <li>a. development of long-term, planned, maintenance and forced plant outage detail aumary plans.</li> <li>b. organization of personnel and logistical support to ensure successful plan execution.</li> <li>c. direction/coordination of plant outage work activities.</li> <li>c. direction/coordination of plant outage work activities.</li> <li>d. control of outage related budgets.</li> </ul> </li> <li>4.1.2 The Outages and Planning Manager directs the Outage management Program which includes: <ul> <li>a. Long-range Outage Plans - Section 4.2.</li> <li>B. Planned, Maintenance and Forced Outage plans - Section 4.3.</li> <li>c. Outage Preparation - Section 4.4.</li> <li>d. Outage Performance Evaluation - Section 4.6.</li> <li>dutage Performance Evaluation - Section 4.6.</li> <li>c. Outage Performance Evaluation - Section 4.6.</li> <li>dutage Performance Evaluation - Section 4.6.</li> </ul> </li> <li>4.2 DINCHARCE OUTAGE PLANS</li> <li>4.2.1 The Outage Scheduling Superintendent is responsible for the development of long-term plant outage plans. These scheduling and ouraging of support evaluation of support plant outage plans, these scheduling and are integrated with GPC/Southern Company support plans. Long-range Diad evelopment evaluation for Charger Scheduling and are integrated with GPC/Southern Company support plans. Long-range Diad evelopment evaluation event active plans. Charger evaluation event apprint of plans cover a period of five years or more, address scheduling and are integrated with GPC/Southern Company support plans. Long-range pland evelopment evaluation event evaluation event evaluation event evaluation event evaluation event evaluation event e</li></ul>	VEGP	29536-C	REVISION 0 PAGE NO. 9 of 17
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<ul> <li>c. Outage Preparation - Section 4.4.</li> <li>d. Outage Execution - Section 4.5.</li> <li>e. Outage Performance Evaluation - Section 4.6.</li> <li>f. Outage Budgets/Estimates - Section 4.7.</li> </ul> 4.2 LONG-RANGE OUTAGE PLANS 4.2.1 The Outage Scheduling Superintendent is responsible for the development of long-term plant outage plans. These plans cover a period of five years or more; address scheduling and duration of significant, planned, plant outages; and are integrated with GPC/Southern Company system outage plans. Long-range plan development is addressed by Procedure 29537-C, "Outage Scheduling".		b.	Planned, Maintenance and Forced Outage Plans - Saction 4.3.
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<ul> <li>e. Outage Performance Evaluation - Section 4.6.</li> <li>f. Outage Budgets/Estimates - Section 4.7.</li> <li>4.2 LONG-RANGE OUTAGE PLANS</li> <li>4.2.1 The Outage Scheduling Superintendent is responsible for the development of long-term plant outage plans. These plans cover a period of five years or more; address scheduling and duration of significant, planned, plant outages; and are integrated with GPC/Southern Company system outage plans. Long-range plan development is addressed by Procedure 29537-C, "Outage Scheduling".</li> </ul>		d.	Outage Execution - Section 4.5.
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4.3	FLÅNNED,	MAINTENANCE	AND FORCED	OUTAGE PLAN	S	
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4.3.1	The Outag planned, generation Nuclear ( refueling (greater these play changes, maintenant and spect	ge Schedulin maintenance on is accomm Operations M g, plan.c2 than 72 how ans include preventation nce, survei ial tests.	ng Superinte e and forced plished with Departments. maintenance us). The w plant oper ve maintenar llance tests	ndent will d outage plan the support Those plan and forced work efforts tation activities, correction , inservice	levelop ns. Plan of all s address outages presented by ties, design ve inspections	
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4.3.3	Nuclear will qua efforts Superint specific the assi recommen final ap outage p	Operations in ntify and provider for consider endent will work item. stance of d dations. The proval auch lans.	Department m rioritize th ration. The determine w This deter epartment's he Outages a ority for th	nanagers/supe leir individe Outage Sche which plan ac rmination is manager/supe and Planning he content of	erintendents ad work eduling Idresses a made with erintendent Manager has f each of the	

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4.3.4	The Outage Scheduling Superintendent has the authority to add/delete work items to preliminary outage plans. However, before finalizing the plan and presenting it to the Outages and Planning Manager for approval, the Outage Scheduling Superintendent must verify that each item on the plan is ready for work. This is done with the assistance of the Work Planning and Controls Superintendent and the Modifications and Outage Support Group Superintendent or their designees.
4.3.5	For each work item contained in a preliminary outage plan, the Work Planning and Controls Superintendent or designee will verify that all work activities are pre-planned, and pre-packaged and that all materials necessary for the work effort are available.
4.3.6	For selected work items contained in a preliminary outage plan, the Modifications and Outage Support Group Superintendent or designee will verify that the items are workable as packaged.
4.3.7	Work items that are not ready for work will not be included in plans presented to the Outages and Planning Manager for approval unless the Outages and Planning Manager previously authorizes their inclusion.
4.3.8	The Outage Scheduling Superintendent will include new work items in approved plans only after they have been verified as workable by the Work Planning and Controls Superintendent and the Modifications and Outage Support Group Superintendent. Upon inclusion, the Outage Scheduling Superintendent will present the revised plan to the Outages and Planning Manager for approval before plan distribution.
4.3.9	For modifying a plan following outage work scope freeze, see Section 4.4.9.
4.4	OUTAGE PREPARATION
4.4.1	Using an approved outage plan, the Outage Scheduling Superintendent will identify the approximate number of people required by department for work performance. It is each department manager's responsibility to arrange for sufficient personnel to support an outage effort and coordinate their requirements with Training,

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4.4.2	For departs perform sp Superinten required. assess sta Outage Sch on the sco	ments that acific wor deut will Each depa ffing requ eduling Su pe of the	provide out k activities specify the rtment manag irements and perintendent outage:	age support , the Outag type of sup ter/superint review the . Specific	but do not e Scheduling port endent will se with the ally, based
4.4.2.1	The Chemis Scheduling equipment outage sup	try Superi Superinte usage that port,	ntendent wil ndent of mar are anticip	ll advise th power mare bated to be	e Outage rial and needed for
4.4.2.2	The Health Outage Sch dosimerry estimated	Physics S eduling Su support an for outage	uperintender perintendent d work area execution.	nt will advi t of manpowe restriction	se the r, material, is that are
4.4.2.3	The Engine Outage Sch chat is an	ering Supp eduling Su ticipated	ort Superint perintendent for outage (	tendent will t of manpowe execution.	advise the ar support
4.4.2.4	The Modifi Superinten general co scaffoldin the Outage anticipate	cations an dent will ntract lab g, general Schedulin d.	d Outage Sup evaluate out or support s cleanup and g Superinter	pport Group tage plans a requirements d painting s ndent of the	and identify for and advise needs
4.4.2.5	Upon asses manpower r Superinten Emergency Manager, G Superinten It is thes sufficient Health Phy execution	sing the d equirement dent will Preparedne eneral Sup dent of to e managers training sics supports.	irect work s, the Outa inform the ss Manager; port; and the tal outage ' responsib provisions, rt are avai	and support ge Schedulir Plant Traini the Securit he Woelth Pl anticipated ility to ens Security St lable for ou	work ig and iy Manager; ysics staffing, ure that taff and itage
4.4.2.6	Each depar acquisitic normal sta	tment mana n of perso ffing.	ger is resp mmel if out	onsible for age requirer	the ments exceed
4.4.2.7	The Outage schedule, designees for outage the outage these meet	s and Plar will meet to ensure work exec plan, Pl ings.	the department the department that each d oution is pr lan revision	r, based on ent manager: epartment's occeding in s will be d	a published s or their preparation support of iscussed at

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4.4.3	The Outages and Planning Manager wild institute an outage work scope and a schedule revision freeze prior to the start of each outage. The period of time before the start of each outage upon which the freeze is imposed is at the discretion of the Outages and Planning Manager.
4.4.4	The Work Planning and Controls Superintendent, at outage work scope freeze, will institute a review of each outage work order package to ensure that it is complete, all materials are available and clearances written. If multiple work packages can be covered by a single clearance, the clearance will be developed addressing multiple work packages.
4.4.5	The Modifications and Outage Support Group Superintendent, at outage work scope freeze, will institute a review of selected work orders to ensure that they are workable.
4.4.6	Irregularities identified by the reviews performed in 4.4.4 and 4.4.5 will be expeditiously resolved or identified to the Cutages and Planning Manager. The Outages and Planning Manager will determine if specific work orders are to remain in an outage work scope and plan.
4.4.7	The Outage Scheduling Superintendent, upon scope freeze, will verify that the schedule accurately reflects the approved scope of the outage. Work scope modifications approved just prior to scope freeze will be incorporated into the outage plan and the plan will be presented to the Outages and Planning Manager for approval and release as the official outage schedule.
4.4.8	The Outages and Planning Manager or designee will review with each department manager/superintendent that is participating in an outage their work scope following scope freeze. This review is to ensure that each department is adequately prepared to support outage execution.
4.4.9	Control of work scope modification after scope freeze is accomplished through implementation Procedure 29537-C, "Outage Scheduling" and the use of the "Outage Schedule Change Request". Emergency work and urgent work can be verbally authorized by the Outages and Planning Manager or his designee. Outage scope addition forms must be submitted to the Work Planning and Controls Superintendent for this work. The infilator should note on the form that the work was authorized by the Outages and Planning Manager or his designee as emergency or urgent work and that the work is in process or complete.

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4.5	OUŤAGE EXE	CUTION			per per sen de la seconda d	
4.5.1	The Work P release cu of the sch Outages an	lanning an tage work edule work d Flanning	nd Controls order packa start or a Manager.	Superintende ges five day s directed b	nt will s in advance y the	
4.5.2	Outage wor frame show work group reporting Manager. sequence m Manager or that the a will be ad or his des to various expedite of is the Out represents resolving outage sch to schedul	k will be n on the a s are resp Work progr Changes to his desig ssigned wo dressed by ignee. Ou plant loo ritical wo ages and l tive and t work group edule work.	performed i approved out bonsible for tess to the scheduled thorized by gnee. Probl ork group ca v the Outage itage coordi cations to a ork items. Planning Mar is tasked wi p problems a k activities	n the sequen age schedule work execut outages and work start o the Outages ems or work in not easily s and Planni nators will issist work g The outage c hager's field th the respo and insuring are working	ce and time . Assigned ion and Planning r work and Planning restraints resolve ng Manager be assigned roups and oordinator nsibility of that the according	
4.5.3	The Outage daily meet Review dur department outage wor progress w discussed, discussed.	es and Flam ings that ing the out managers, the response vill be rep action in	nning Manage replace the utage execut /superintend ibility will ported, prob tems assigne	er or designe Daily Plant tion period. lents (or des participate plems identif ed and near-t	e will chair Status Each of the ignee) with . Work ied and erm plans	
4.5.4	The Outage will act a item assig	es Schedul as meeting anments.	ing Supering secretary a	tendent or de and record al	signee 1 action	
4.5.5	The Outage outage sch Planning M at the dat outage sch	es Schedul nedule dai Manager a Lly outage nedule wil	ing Supering ly and prove daily schedu meeting. 1 1 be distrib	tendent will ide the Outag ile status re Updated issue outed weekly.	status the ses and port for use s of the	
4.5.5	Work items addressed in Section	s identifi by the Ou h 4.4.9.	ed during of tage Scope (	utage executi Control progr	lon will be am discussed	

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4.5	.7	Before the all outage Controls S status of required w the work o scheduled. Superinten ensure tha authorized	Ourages and work is con uperintender each outage ork is comp rder is clor In paralle dent will re t each item changes in	d Planning Ma mplete, the W nt or designe work package lete, associa sed and requi el, the Outag eview the out is correctly corporated.	nager dec ork Plann e will re to ensur te cleara red testi e Schedul age sched addresse	lares that ing and view the e that all nce lifted, ng ing ule to d and	
4.5	, 8	The Work P verify thr that all m restrainin Nuclear Sa surveillan	lanning and ough discus ode restrai g surveilla fety and Con ce testing	Controls Sup sions with th ning LCO's ar nce tests sch mpliance Mana is complete.	erintende e Operati e resolve eduled an ger that	nt will also ous Manager d and mode d with the all required	
4.5	.9	After veri outage wor resolved a Planning a Outages an into start designee w startup ca	fying that k orders ar nd surveill nd Controls d Planning up. The Ou ill notify n proceed.	all authorize e complete: m ance testing Superintende Manager that takes and Pla take Operation	d and sch ode restr complete, nt will n the piant nuing Man as Manager	eduled aining LCO's the Work otify the can proceed ager or his that	
4.5	.10	The Operat the Outage plant star Manager up Upon notif Manager ca	ions Manage and Plann up and not on closure ication rec n declare t	r or his desi ing Manager o ify the Outag of the Main O eipt, the Out he outage com	gree will of progres es and Pl enerator ages and plete.	appraise s during anning Breakers. Planning	
4.6		OUTAGE PER	FORMANCE EV	ALUATION			
4.6	.1	"pon decla Planning M evaluation	ring an out lanager will	age complete. institute ar	the Outa outage p	ages and erformance	
4.6	. 2	The Work P perform a identify p enhancemen performanc Outage Sch Outage Rep	lanning and work packag rocedural, its that wil e. The eva eduling Sup ort.	Controls Sup a execution e logistical ar i improve sub luation will arintendent i	perintende valuation d work ex sequent o te forwar for inclus	ent will that can ecution butage rded to the sion in the	

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4.6.3	The Outage Scheduling Sup schedule evaluation that The outage work scope at work package execution for work package resource for and identified and experi Scheduling Superintendent Report which includes the package execution evaluat that address radiclogical quality performance, lost and lessons learned. On Outage Scheduling Superin O'tage Report to the Outage	erintendent-wl can include th outage start a recast and actu enced restrain will assemble outage schedu ions and can i safety, indus analysis, out assembly compl tendent will p ges and Planni	11 perform a ese comparisons: nd completion, ual duration, al requirements, ts. The Outage the Outage le and work nclude sections trial safety, age organization etion, the resent the ug Manager.
4.6.4	The Outages and Planning schedule and work package the department managers/s appropriate comments and includes recommendations improvements.	Manager will r execution eva uperintendents issue an Outag for outage man	eview the luations with , incorporate e Report which agement
4.6.5	The Outages and Planning significant "Lessons Lear outage programs. An acti used for procedure modifi or activity initiation.	Manager will e ned" are incor on tracking pr cation, defici	rsure that porated in ogram will be ency resolution
4.7	OUTAGE BUDGETS/ESTIMATES		
4.7.1	The Outage Scheduling Sup budget forecast for each planned outage.	erintendent wi refueling or s	ll develop a ignif:cant
4.7.2	The Outage Scheduling Superintendent will prepare a preliminary budget/estimate forecast with the assistance of the Work Planning and Controls Superinterdect and each department manager/superintendent participating in the outage.		
4.7.3	The Outage Scheduling Superintendent will base the forecast on the man-hour and material estimates developed for each work order package and the logi7tical support requirements forecast by each department manager/superintendent.		
4.7.4	The Outage Scheduling Sup the assistance of Financi for outage budgeting/esti-	erintendent wil al Services an mating and accu	ll develop with account system imulation of

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4.7.5	Thẻ Outage account nu in an outa	e Scheduling Superintende umbers to each work organ age.	ent_will distribute mization participating	
4.7.6	Upon completing a preliminary budget/estimate forecast for an outage, the Outage Scheduling Superintendent will submit the forecast to the Outages and Planning Manager for approval.			
4.7.7	The Outages and Planning Manager will verify that the budget reflects the scope of the planned outage and for refueling outages that sufficient budgeted funds are available.			
4.7.8	Upon budget forecast approval by the Outages and Planning Manager, the Outage Scheduling Superintendent will distribute the budget to the involved department managers/superintendents for use during outage execution.			
4.7.9	During outage execution, the department managers/superintendents will identify to the Outage Scheduling Superintendent work scope expansions or additional work scope items that are not budgeted/estimated.			
4.7.10	Following outage completion, the Outage Scheduling Superintendent will identify budget/forecast to actual variances for each department and generate variance analysis with the assistance of department managers/superintendents.			
4.7.11	The Outage Scheduling Superintendent will present a variance analysis package to the Outages and Planning Manager with an evaluation of overall budget/estimate status.			
5.0	REFERENCES			
5.1	PROCEDURES			
5.1.1	29537-C,	"Outage Scheduling"		
		END OF PROCEDURE TEXT		

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