1A DIESEL GENERATOR

REFERENCE MATERIAL

1A DIESEL GENERATOR TRIP SENSORS

LOW PRESSURE LUBE DIL (MODEL F-573-156) 1PSL-4749A,B,C

LOW PRESSURE TURB DIL

1PSL-4749 D, E

LOW PRESSURE JACKET WATER

iPSL-19114

HIGH PRESSURE CRANKCASE (MODEL F-573-359)

1PSH-4744

HIGH TEMPERATURE ENGINE BEARINGS

1TSH-4747A-K

HIGH TEMPERATURE JACKET WATER

ITSH-19110,11,12

HIGH TEMPERATURE LUBE OIL

1T5H-4748

HIGH VIBRATION, ENGINE

1XS-4746A.B

HIGH VIBRATION, TURBO

1XS-4745A,B

SENSOR P3 (MODEL F. ST3: 156)

1PSL-4902

FOR INFO ONLY

TUDEX

TAB. 1	WORK REQUEST PROGRAM	00350-6
TAB. 2	PREVENTATIVE MAINTENANCE	20015-6
TAB. 3	Housekeeping	20427-C
TAE 4	PRESSURE SMITCH CAL.	2-12725
TAS 5	TEMPERATURE SWITCH CAL.	25332-C
TAB. 6	GENERIC INST. CAL.	23820-C
TAB. 7	DIFF PRESS. SW. CAL.	22336-C
TAB. 8	Iu- Process MATERIAL	0035Z-C
TAB. 9	REFERENCE MWO	19000439
TAB. 10	REFERENCE RER	88-0707
TAB 11	REFERENCE RER	88-0821

FOR INFO

Approval 2 7 Kitchens

Vogtle Electric Generating Plant

NUCLEAR OPERATIONS

Procedure No. 00350-C

Revision No.

10 Page No.

1 of 35

Date

12/27/89

Unit COMMON

Georgia Power

WORK REQUEST PROGRAM

1.0 PURPOSE

> This procedure establishes administrative controls for maintenance activities at Vogtle Electric Generating Plant (VEGP). It provides for identification, control, and documentation of maintenance activities.

Procedure 29402-C, "WPG Work Request Processing" will be used in conjunction with this procedure to complete define the processing of a work order.

2.0 DEFINITIONS

2.1 WORK PLANNING GROUN

> A group of assigned individuals in the Planning, Scheduling and Work Control section of the Outages and Planning Department that plan, develop, prioritize, schedule, review, evaluate, and maintain history of repairs for Maintenance Work Orders (MWO).

2.2 PREVENTIVE MAINTENANCE (PM)

> Work tasks performed on a predetermined schedule, in accordance with Procedure 20015-C, "Preventive Maintenance", to maintain equipment reliability.

2.3 PREDICTIVE MAINTENANCE (MP)

> Work tasks performed on equipment or components to rredetermine failures by obtaining and trending historical data through preventive maintenance, oil analysis, MOVATS, vibration monitoring corrective work orders, etc.

OCEDURE NO	I RE	VISION	FAGE NO
VEGP	00350-C	19	2 of 35
2.4	PLANNED MAINTE	NANCE	
	preventive main other work task prevent unexpe	ntenance, predictive ks performed on equi cted failure.	maintenance and pment components to
2.5	CORRECTIVE MAIN	NTENANCE	
	resolve items :	formed on systems or identified through patenance, surveillan athods.	reventive or
2.6	WORK REQUEST TA	AG (WRT)	
	flag equipment Supervisor (SS)	ag used to identify ant equipment or com in the field and to //On-Shift, Operation equipment problems	ponents, to properl allow Shift s Supervisor (OSOS)
2.7	WORK ORDER (WO)	B	
	When referenced an MWO and/or	this procedure	the step applies to
2.8	MAINTENANCE WOR	RK ORDER (MWO)	
	maintenance on	used to perform an plant equipment or controls are identificationed.	components, to ensu
2.9	SUPPORT WORK OF	PDER (SWO)	
	other than thos maintenance wor	used to request suse activities encomp k order program. Sies are identified	assed in the ome examples of
2.10	SPECIAL INDICAT	CORS	
	special require examples are cr Specification (ements for applicable itical components (TSPEC), Local Leak	e components. Some RXTRIP), Technical
	etc.	Lordo, Local Leak	nace rest (DENT)

PRC DEDURE NO		REVISION	PAGENO
VEGP	00350-C	19	3 of 35
2.11	WALKDOWN S		
	SWO packag	generated form, attached to identify certain requirements, etc.	irements for MWO or identify drawings
2.12	EMERGENCY I	MAINTENANCE	
	that is ned	ate mandatory maintenance cessary to maintain safe apabilities.	or repair activity operation or
2.13	URGENT MAIN	NTENANCE	
	maintenance Operations	that is not as critical but in the opinion of t Supervisor is critical t be performed during the	he On-Shift o schedule or safety
2.14	CALIBRATION	The same of the sa	
	Work tasks and/or inst within tole	performed to compare and ruments to a predetermin	adjust equipment ed reference value,
2.15	SURVEILLANG	CE	
	document the	rformed on a periodic bas nat structures, systems, g properly and should rem ole of fulfilling the int	and components are
2.16	FUNCTIONAL	TESTS	
	structures, accordance Functional tests, ASME accordance	of those steps necessar systems and components with predetermined speci tests may include: Surv Section XI requirements with Procedure 29401-C, cional Test".	function in fications. eillance tests, ISI and inspections in

PROCEDURE NO		REVISION	PAGE NO.
VEGP	00350-C	19	4 of 35
2.17	INSPECTION	S	
	parts, app	n, observation or measure mance of materials, suppl urtenances, systems, pers, processes or structures ts.	ies, components, onnel performance.
2.18	MAINTENANC	E HISTORY	
	A written on a compor	chronological record of we nent from initial turnove	ork tasks performed r to present.
2.19	SUPERVISOR		
	A member of above inclu Procedure	f Georgia Power Supervisional Georgia Power Supervision and Control Of Onside Control Onside Control Of Onside Control O	on, foreman and ual as defined in te Contractors".
2.20	CONTRACTOR	MAINTENANCE	
	Maintenance selected as	performed on the plant of coording to Procedure 008	by personnel 01-C.
2.21	AUTHORIZED	INSPECTOR C.	
	qualificati ASME Section	e of an Authorized Inspections for, and has been proon III Division 1 and ASM Inservice Inspection.	operly qualified for
2.22	SPECIAL REV	VIEW	
	A review by	one of the following:	
	Equipment (Technical S	tion Engineer Qualification Group	

PROCEDURE NO.		REVISION		PAGEN	O.		
VEGP	00350-C		19		5 of 35		
2.21	FIRE PROTEC	TION PROGR	AM COMPONENT	r			
	Those plant components required by VEGP FSAR 9.5.1 be operational in order to maintain the viability of the Fire Protection Program.						
2.22	CRITICAL CO	MPONENTS					
	(RXTRIP) sp unless spec protection trip if it	ecial indi ial care i scheme, or itself is	been identicator in NPN s taken. A component winadvertentled, or if it	MIS to tri system, c which will by bumped.	p the unit ontrol, cause a unit grounded.		
			0				
3.0	RESPONSIBIL	ITIES	2				
3.1	MANAGER MAI	NTENANCE	Mr. T.				
	The Manager Program is	Maintenan effectivel	ce ensures t	hat the M	aintenance ows:		
3,1,1	Policies, prestablished	rocedures, and updat	and adminis	trative c	ontrols are		
3.1.2	Work tasks a	are docume ed procedu	nted and per res and safe	formed in work pla	accordance		
3.1.3	And Lifted V	With Proce	rary jumpers dures 00306- ol" and 2042 orary Jumper	C, "Tempo	rt Term		
3.1.4	Implementation tags in accommodification	ordance wi	porary modif th Procedure	ications 00307-C.	and hanging "Temporary		
3.1.5	Disposition is performed	of parts/diand documents	equipment remented.	moved from	m the plant		
3.1.6	Cleanliness with Procedu Condition Pr Cleanliness	ires 00254. rogram" and	-C, "Plant H d 20427-C, "	ousekeepi: Maintenan	n accordance ng/Material ce		

PROCEDURE NO		REVISION		PAGE NO.
VEGP	00350-C	1	9	6 of 35
			AMERICAN STREET, II - I SEED BOOK BOOK	A PRODUCTION OF THE PRODUCTION
3.1.7	An On-the- coordinate	Job Training (OJ) d with the Train	T) Program ing Departm	is developed and ment.
3.1.8	Mockups, we exposures Physics.	hen needed, are ALARA. Mockups	set up to h are coordin	nold work task nated with Health
3.1.9	is impleme	ME Section XI Repented in accordantion XI Repair/Re	ce with Pro	clacement Program ocedure 20100-C, Program".
3.1.10	establishe	at a preventive med and implemente 20015-C, "Preven	d in accord	lance with
3.1.11	establishe	at a predictive med and implemente 20016-C, "Predic	d in accord	dance with
3.1.12	Nuclear Properations the corresprograms.	lant Management I al to support all ctive, planned an	nformation scheduled d surveilla	System (NPMIS) is outage plans and ance maintenance
3.2	MANAGER O	-		
	The Manage Program i	er Operations ens s supported as fo	ures that t	the Maintenance
3.2.1	effective condition	ly in accordance	with exist: erations rep	s are coordinated ing plant presentative in the
3.2.2	WRTs are emergency	processed during maintenance.	off-normal	working hours for
3.2.3	System st required.	atus is recorded	during wor	k tasks when
3.2.4	Clearance	s are performed i	or work ta	sks.
3.2.5	(LCO) act existence	ection (FP) Limit ion statements as of the Limiting of FP operability	re implemen Condition	to prevent
3.2.6	wires in	re assigned for accordance with accordance with a d Lifted Wire Cor	Procedure "	umpers and lifted 00306-C, "Temporary

j

PROCEDURE NO.		REVISION	PAGENO
VEGP	00350-C	19	7 of 35
3.2.7	Functional changed by	test requirements may a qualified SS or OSO	be assigned and/or S.
3,2,8		ty-related work reques ty Department.	t are coordinated with
3.2.7	Assigns a Representa plant oper	tive to authorize work	d Operations Department that does not affect
3.2.10	Ensures th ongoing wo	at Unit Shift Supervis rk on critical compone	or is cognizant of nts.
3.2.11	component Maintenanc	erations Engineering m List and an updated li e Engineering when any or inclusion into NPMI	st is provided to changes are made to
3.2.12	permits ar	combustible permits or e issued, as required has been evaluated.	ignition source and that the need for a
3.3	The MES en	GINEERING SUPPORT (MES	
3.3.1	WRTs are i	nitiated for Plant Mod	dification Packages.
3.3.2		work task procedures on Packages.	are provided for Plant
3.3.3	Fire Prote completed.	ection post-work review	vs, if applicable, are
3.3.4	Shield plu completed	ig and blockwall remova	al evaluation is
3.3.5	are comple	ng pre-installation reveted per approved planting control.	
3.3.6		re assigned for Tempora e with Procedure 00307 ions".	

PROCEDURE NO	Manager Manager Print Co. Co., Supplementary and Co., Supplementary of the Co., Supplementary of	REVISION	PAGE NO
VEGP	00350-C	19	8 of 35
3.3.7	Supervisor, approval of painting in filtration	Support performs revi improvement work. Sp Duty Engineer complete work activities such areas that can affect charcoal beds.	ecifically, the HVAC s reviews and grants as welding and exhaust and
	Outages and	anning and Controls Su Planning Department e Program is supported	nsures that the
3.4.1		receive all required maintenance.	reviews prior to
3.4.2	in Radiation	s are submitted to Hean Control Areas (RCA) work in accordance wi And Contamination Cont	usually 24 hours prior th Procedure 00930-C.
3.4.3	MWO package	s are assembled from	RT'S.
3.4.4	MWO package	s are reviewed upon co	mpletion.
3.4.5		iscory records are man	
3.4.6	Maint nance	activities are tracke	d.
3.4.7	Maintenance	activities are accura	stely reported.
3.4.8	Maintenance correctly r	work tasks are adequatesolved.	ately defined and
3.4.9	MWO package criteria is	s are evaluated to ens	sure that acceptance
3.4.10	Maintenance	work schedules are es	stablished.
2.4.11	Clearances	are initiated for MWO	packages.
3.4.12	Fire protect work orders	tion work evaluation in by qualified personne	is performed on all
3.4.13	Identify MW trip possib	O as critical componer le special indicator	nt from the reactor in NPMIS.
3.4.14	Operations test requir	Work Planner assigns a	appropriate functional

PROCEDURE NO.		REVISION	PAGE NO.
VEGP	00350-C	19	9 of 35
3.5	MANAGER PL	ANT TRAINING AND EMERGEN	CY PREPAREDNESS
	The Manage ensures the follows:	r Plant Training And Eme at the Maintenance Progr	rgency Preparedness am is supported as
3.5.1	The OJT Pro	ogram is coordinated wit	h the Maintenance
3.5.2	Adequate / ALARA as re	training is provided to equired.	keep exposures
3.5.3	requirement	aining Programs to meet ts established by the Ma s and Planning Departmen	intenance Department
3.5.4	Training re	ecords are maintained.	
3.6	MANAGER HEA	ALTH PHYSICS AND CHEMIST	RY
	The Manager Maintenance	Health Physics/Chemist Program is supported a	ry ensures that the s follows:
3,6.1	Permit (RW)	ews are performed on all ') requests per Procedure nation Control", and Program".	e 00930-C. "Radiation
3.6.2	HP surveys	are performed in a time	ly manner.
3.6.3	And Control	sued per Procedure 4300 Of Radiation Work Perm I controls are institut	its" and that proper
3.6.4	When contact 4.1.23) Che	ted regarding draining emistry is responsible for	of systems (Section or:
	a. Evalua permit	ting the effect the dra- ted effluent pathways.	ining will have on
	effect	ting the system to evaluativeness of the corrosion ermits.	uate the n control program, if
3.6.5	Provide for	initial reviews of MWC	's and SWO's.

PROCEDURE NO.	AND DESCRIPTION OF THE PARTY OF	REVISION	With the same and the same of the same of		PAGE NO.
VEGP	00350-C		19		10 of 35
3.7	MAINTENANC	E ENGINEERIN	G SUPERVI	SOR	
	The Mainte Maintenanc	nance Engine e Program is	ering Sup supporte	erviso d as f	r ensures that the ollows:
3.7.1	Predictive scheduled,	maintenance tracked, tr	program ended, ar	work to	asks are uated.
3.7.2	Preventive to ensure	maintenance or Predicti train separa rior to MWO	ve MWO's	genera	ntained. ted are evaluated ent has been
3.7.3	A welding Procedure	program is m 20110-C. "We	aintained	i in ac	cordance with
3.7.4	coordinati	on with the idditional fi	WPG is co	onducte	ned and periodic ed to determine support
3.7.5	is impleme	E Section XI ented in accoming XI Repair	ordance wi	ith Pro	placement Program ocedure 20100-C, Program".
3.8	QUALITY CO	ONTROL SUPER	INTENDENT		
	The Qualit	ty Control Store Program is	perintend verifie	dent end as fo	nsures that the
3.8.1	accordance				are performed in Quality Control
3.8.2	MWOs are	reviewed for	quality	requir	ements.
3.8.3	Monitorin	g of work ta	sks is pe	rforme	d
3.9	MANAGER O	UTAGES AND P	LANNING		
	outage, f	er Outages a orced outage ly implement ce program r	, and ref planning	ueling , sche	activities duling, and

PROCEDURE NO.		REVISION	PAGE NO.
VEGP	00350-C	19	11 of 35
3.9.1	Provides ar sequence of implementar	nd approves for use all events prior to sche	ll outage planning adule distribution and
3.9.2	Work will be Administrate procedures.	pe administratively go live, Work Planning, a	overned by the Plant and Outages and Planning
3.9.3	Work plans, Nuclear Ope	procedures and pract erations QA Program.	cices shall be under the
3.9.4	scheduled b	s assigned are package by the Modifications a reviewed and approved	and Outage Support Group
3.10	MODIFICATIO SUPERINTEND	NS AND OUTAGE SUPPORT	GROUP (MOSG)
	maintenance	perintendent is response support activities as e. on request.	ind implementing
4.0	INSTRUCTION	S	
4.1	WORK REQUES	T TAG INSTRUCTIONS	
4.1.1	all plant p	ions requiring mainte ersonnel are responsi t Tag (WRT). (See Fi	ble for completing a
4.1.2	maintenance portions of	e submitted by any in support by completing the WRT and delivering ft Supervisor.	ng the applicable

			MEAISION		MAGENO	
The same of	VEGP	00350-C		19		12 of 35

- When completing the WRT the initiator should give an accurate, concise and complete description of the problem, indications for investigative maintenance, failure description for corrective maintenance, or a summary of the modification/installation for design changes in the problem block. This narrative should provide a clear description without the need to resort to reference documents, i.e., RER's, FCR's, etc.
- 4.1.4 If the WRT is to correct an item identified by a DC, NRC or QA Audit Finding or to address a commitment (regulatory or other) the initiator will indicate so by entering the identifying number in the problem block in addition to the problem description and attach a copy of the commitment, DC, etc. If the WRT was identified during the performance of a surveillance or an MWO, that document number will be referenced.
- 4.1.5 If the WRT is to implement a capital budget item, the general work order (GWO) number should be included in the problem block.
- 4.1.6 The initiator will complete the WRT through the "originator" line, attach the field copy to the component and deliver the WRT to the appropriate shift supervisor or WPG, as appropriate.

Non-corrective maintenance WRT's may be approved and processed by the WPG. (Examples are WRT's for DCP implementation, WRTs to perform planned activities to support outage preparation, etc). If processed by the WPG, the Operations Work Planning reviewer will complete the reviews and sign the OSOS/SS review block, in lieu of the actions required in section 4.1.7.

NOTES

- a. WRT's will be hung for items identified as needing corrective maintenance in the field. Items that are not physically broken, leaking, missing, etc... do NOT require the field copy WRT to be hung. Example of this type may be a WRT for a DCP.
- b. WRT's will NOT be hung on equipment inside the containment.

PROCEDURE NO

- 4.1.7.5 Indicate associated LCO, Information LCO or Fire Protection LCO numbers in spaces provided.
- 4.1.7.6 Indicate the appropriate mode restraint.

NOTE

19

The mode restraint avaluation must be made conservatively. If a WRT is written for a problem which would not render a component inoperable, it should still be coded as a restraint to the lowest mode for which that component could be required operable. This ensures a proper evaluation is erformed on each WRT immediately prior to a mode change. (In-progress maintenance activities could render a component temporarily inoperable or completed activities could require performance of a functional test prior to a mode change.)

- 4.1.7.7 Indicate if the work may be performed at power or during a unit outage. If outage, the highest mode in which the work may be performed should be indicated (i.e., I would indicate it is outage but may be performed in Mode I such as a MFWP outage WRT.)
- 4.1.7.8 Indicate special conditions required to perform maintenance by circling the appropriate 2 digit number on the back of the original tag.
- 4.1.7.9 Approve the WRT by signing and dating the WRT forwarding the original WRT to the Work Planning Group and a copy of the WRT to the Engineering Support Department for information.
- 4.1.8 The Work Planning Group (WPG) will process the WRT in accordance with 29402-C.

ROCEDURE NO.		REVISION	PAGENO
VEGP	00350-C	19	15 of 35
4.1.9	The WPG wi	.11 determine if the WR	T should be processed
	Order (SWC	enance Work Order (MWO)),	or a Support Work
		NOTE	
		Support Work Orders (S generally work items t less planning and/or a controls	hat require
4.1.10	without in initiated,	ring maintenance activi sitiation of a Work Req it will be processed minimal review prior to	uest Tag. If a WRT is
4.1,10.1		t of light bulbs, both on bulbs.	indication and
4.1.10.2		and exit lighting, pla run non EE580 related	nt lighting fixtures cabling.
4.1.10.3	contractor	e work on non-plant op s under a maintenance in accordance with Pro Administration".	agreement contract
4.1.10.4	Labor item cleanup, t	s (pumping out ditches ransporting barrels, s	or manholes, spill horing, cribbing, etc.
4.1.10.5	Inking sys	tems on plant chart re	corders.
4.1.10.6	Security S requested	ystem Camera adjustmen by the SNS.	is and cleaning as
		CAUTION	
		Prior to performing an following (4.1.10.7 th	rough

Prior to performing any of the following (4.1.10.7 through 4.1.10.24), notify the Unit Shift Supervisor. Notification is also required at the start of each shift, unless the USS indicates otherwise.

4.1.10.7 Installing and/or changing identification tags except for ASME Code plates and vendor name plates.

- 4.1.10.8 Replacement of passive accessories, such as knobs, handles, latches (for non-seismic equipment), lens, covers (except for those required for Equipment Qualification), thumb screws, etc.
- 4.1.10.9 Tightening of packing on manually operated valves (Motor- and air-operated valve packing adjustments and repacking a valve require a WRT and MWO.)
- 4.1.10.10 Tightening of flanged leaks, fitting leak, etc. on non-safety-related piping and/or tubing
- 4.1.10.11 Instrument calibrations when required by approved plant procedures for instrument calibrations and/or adjustments when performed using approved plant procedures that require SS notification prior to and or completion of the work.

When performed during maintenance activities other than surveillances, all pertinent documentation shall be transmitted to Document Control and filed by procedure number.

- 4.1.10.12 Investigative-type work that assists in the determination of problem identification or description. Investigative work may include use of instruments (Fluke meters, VOM, etc.) but does not include component disassembly, lifted leads or other corrective-type maintenance.
- 4.1.10.13 Maintenance activities performed during the performance of approved plant surveillance procedures providing all the requirements of this procedure for the maintenance activity, such as QC review, Equipment Qualification, parts traceability, etc. are met.
- 4.1.10.14 Removal and reinstallation of threaded pipe caps or hose fittings downstream of drains, vents, etc.
- 4.1.10.15 Removal and reinstallation of blind flanges, gaskets, studs, and nuts on pipe downstream of drains and vents. (NON-Q SYSTEMS ONLY)
- 4.1.10.16 Performance of routine lubrication in accordance with Procedure 20411-C, "Control Of Lubricants".
- 4.1.10.17 Installation and removal of scaffolding in accordance with Procedures 20003-C, "Scaffold Construction And Control".

4.1.11.2 Spare parts rebuild.

4.1.11.3 Repairs to fire doors.

4.1.12 MWOs generated per 4.1.11 will be reviewed as required in accordance with 29402-C.

NUTE

Support Work Orders (SWO's) may or may not require all review signatures. The Work Planner may obtain or N/A any review as determined appropriate.

If a WO is security-related and DOES require a clearance, the individual will go to the Shift

Supervisor (SS) who will initial and date the WO and authorize work to begin, in accordance with step

4.1.16.2

4.1.16.

required, to the foreman/supervisor responsible for the

work.

Order Continuation Sheet (Figure 2) will be used. If more than one Continuation Sheet is used, each will be

sequentially numbered (in upper-right corner).

00350-C

19

21 of 35

NOTE

If the maintenance required for a particular work order involves more than one crew, each foreman supervisor will sign and date the WO, that their work is complete or as complete as possible (including specific steps of procedure completed) and has been reviewed and approved prior to the transfer of the WO to the next responsible crew.

- 4.1.24.10 Document the disposition of replaced equipment/parts and list both the old and new part numbers/serial numbers on the MwO.
- 4.1.24.11 If warehouse material was required to complete the work, a check mark will be placed in Block 28.

 Material/Equipment Request (MER) numbers will be recorded in the block. A copy of the MER will be attached to the Work Order (WO). Lot, reel, spool, heat, grade, part, serial numbers, etc., will be recorded on the WO or the attached MER. All material removed shall be documented on the work order with as much information on the item removed, as available.
- 4.1.24.12 The use of bulk materials, such as, thermal overloads, lugs, fittings, packing, etc., shall be controlled in accordance with Procedure 00352-C, "Control Of In-Process Materials", unless the quality and traceability of the material can be established by other means. The part number and MIR/MER number from the bulk material identification tag will be written on the WO.
- 4.1.25 If all the work required cannot be performed, the work foreman/supervisor will document, on the WO, why the work could not be completed and sign and date at the end of the description. Return the WO package to WPG for further evaluation and/or instructions.
 - a. The WPG will determine if the WO is to be revised due to a scope and/or intent change or if a new MWO is required.

b. When a revision is required, a revision sheet will be initiated and routed for review in accordance with the instructions for WO revision sheet and Procedure 29402-C, "WPG Work Request Processing".

- c. The WO will then be returned to the field for mork to be completed as required.
- During maintenance activities on non-safety related critical components or safety-related components, if it is necessary to change the scope or intent of the work, a new WO will be generated or the original will be returned to the WPG for revision to encompass the changed scope or intent. WPG will determine if a new WO is to be generated or the original WO amended. The new or revised original WO will be processed in accordance with all previous steps of this procedure. If a new WO is issued, it will reference the old WO number.
- During maintenance activities on non-safety related non critical components, the MWO may be revised by the foreman, as required, to accomplish the required maintenance. If this is required, the foreman should contact the SS, NSSS, or Chemistry Foreman (as outlined in Step 4.1.16) to inform him that additional work is required. The foreman will clearly document all additional work on the WO.
- 4.1.28 The job foreman, upon completion of work, will:
- 4.1.28.1 Review the applicable documentation for completeness and verify that acceptance criteria for the identified problem has been met if known.
- 4.1.28.2 Ensure that any unsatisfactory work results or conditions noted during the performance of the work have been documented on the WO.
- 4.1.28.3 Ensure that the WO is completed, as applicable per 29402-C.
- 4.1.28.4 Inspect and ensure the work area is returned to the level of cleanliness required for the area.
- 4.1.28.5 Ensure the "Work Request Tag" has been removed from the equipment, and attach the WRT to the Work Order (WO)

PROCEDURE NO.		REVISION		PAGE NO	
VEGP	00350-C		19		23 of 35

- 4.1.28.6 Sign and date the appropriate block of the WO after insuring that all blocks that are not applicable are marked N/A.
- 4.1.28.7 Ensure that inspections of work are performed, as required.
 - a. Inspections are performed during and/or after the work to ensure the quality of the work and compliance with design. Inspections may be identified and performed by qualified individuals as appropriate.
 - b. The results of all inspections performed will be documented. Further action based on results and the documentation will be part of the WO package. Such documentation may include:
 - (1) Quality Control Inspection Reports,
 - (2) Maintenance Procedure Technical Results.
 - (3) Instrument Control Calibrations, etc.
- 4.1.29 QC personnel will perform required inspections and verifications and document on the WO where appropriate.

NOTE

If work was performed and inspection under a contractor's GPC approved QA/QC Program, the contractor's QA representative will sign and date the WO where appropriate.

- When the review is complete, the WO package will be returned to the WPG where a functional or special test requirement will be assigned, if required, using Procedure 29401 C, "Maintenance Work Order Functional Tests" as a guideline. After the Functional test is assigned the WO will be forwarded to the appropriate department to perform the Functional test.
- 4.1.30.1 If the WO is sent to any department, other than Operations, for the completion of the functional test requirements, that department will complete the functional test in coordination with the SS, or Chemistry, as necessary.

NOTES

- a. The work can continu on an UNSAT WO by use of a revision. A WO is not closed until accepted by the SS, SSS, or SNS-CPT (as appropriate).
- b. Special tests on security systems will be performed by a Security Supervisor, or designee, to ensure regulatory requirements are maintained.
- 4.1.31 When the work task is complete, the WO package will be returned to the SS, SSS or SNS-CPT (as appropriate, see Step 4.1.16) for closeout as follows:
- 4.1.31.1 If a clearance was required, the equipment clearance, obtained per Procedure 00304-C, "Equipment Clearance And Tagging", will be closed out, if all sub-clearance holders are signed off.
- 4.1.31.2 The system/equipment should be restored to normal per the applicable operating procedure as determined by the SS or SSS.
- 4.1.31.3 Verifying that surveillance, functional, acceptance, inspections and/or special tests are completed, as required, and the WO is completed as applicable.

NOTE

Shield plugs and blockwalls, where required, shall be reinstalled after completion of the functional test or after verification that the functional test does not require access to the component.

- 4.1.31.4 The WO will be signed by the SS, SSS, or SNS-CPT (as appropriate see Step 4.1.16), if acceptable. If not acceptable, the SS, SSS or SNS-CPT will sign, date, and write UNSAT on the WO.
- 4.1.31.5 The Fire Protection LCO action may be released provided the condition causing the LCO no longer exists.
- 4.1.31.6 All of the WO package will be returned to the WPG except Safeguard WOs, which will be returned to Document Control.
- 4.1.31.7 If related to a security system, ensure that the Security Supervisor has been notified.
- 4.1.32 WO's with partial work complete may be closed if remaining work to be completed is on equipment/item. not requiring an WO or on open PM's verified not to have commitments. This only voids remaining work and the WO shall document the reason for not completing remaining tasks.
- 4.2 CALIBRATION PROGRAM

The preventive maintenance program will determine scope and schedule calibration of instrumentation not covered by Technical Specifications in accordance with Procedure 20015-C, "Prevent Maintenance".

- 4.2.1 Calibration frequencies will be maintained as part of the program.
- 4.2.2 Calibration schedule and frequencies may be altered as operating experience is gained and as equipment history is developed.

Notify on-shift maintenance supervision of the

declaration of an emergency WO.

4.5.1.1

OCEDURE NO.		REVISION	PAGENO
VEGP	00350-C	19	27 of 35
/ 5 7 0	N - 1 6 - 00 - 6		
4.5.1.2	an area desi	the emergency WO and gnated by the OSOS.	request they meet i
4.5.1.3	Call WPG and	get WO number.	
4.5.1.4	Notify Healt Radiological	h Physics if work is Controlled Area.	to te performed in a
4.5.2	The Maintena the designat pertinent pe	nce Supervisor/Forema ed area to meet with rsonnel.	n will send a crew to OSOS, QC and other
4.5.3	and make an the WO Numbe	l release the personn entry in the Shift Sur, foreman responsiblue present, and cours	pervisor's log as to e for the crew, QC
4.5.4	work is docu (where insta	of the crew is responmented in detail, incled), test equipment that the work done colosed out.	luding all parts use and calibration due
4.5.5		he routed in a normal f the work and functi	
4.5.6		rwork or QC represent necessary to protect c.	
4.6	URGENT MAINT	ENANCE	
	described in	enance will require a Section 4.1. When the information for the control to the WPG.	he OSOS authorizes a
4.7	RECORDS		
	taken during systems or co	ormal test, inspection a maintenance activition on monents will be maintenance 00100-C, "Quality"	ty on safety-related ntained in accordance

OCEDURE NO.		REVISION	PAGENO
VEGP	00350-C	19	28 of 35
4.8	MATERIAL T	RANSFER	
	determined	erial transfer between to be expedient to ur e, the following steps	gent/emergency
	accor compo compa	ergency/urgent MWO will dance with 4.5 or 4.6 nent. Approval by PRO tible material prior t rvice.	to remove the sis required to verif
	b. QC wi	11 witness the removal nents/subcomponents.	of safety-related
4.9	EQUIPMENT	QUALIFICATION	
	PAM instru review by Qualificat	safety-related equipme mentation (project cla the Nuclear Operations ion Group in accordanc WPG Work Request Proce	ss 61J) will require Equipment e with Procedure
4.10	CRITICAL C	OMPONENT PROCESSING	
4.10.1	performed	itical components shou in such a manner to pr it plant exposure to t	eclude reactor trips
4.10.2	MWO's shou it is read component.	ld be marked or stampe ily known when working	d in such a manner th
4.10.3	When worki	ng on critical compone	nts:
4.10.3.1	The worker the task.	should be knowledgeab	le and familiar with
4.10.3.2		nstructions should be natory and fully plann	
4.10.3.3	Any specia identified	l precautions for the and adhered to.	task should be

Personnel involved in the activity should be briefed of work details, risks, and precautions and limitations.

4.10.3.4

CEDURE NO		REVISION		PAGE NO.
VEGP	00350-C	19		29 of 3
4.10.3.5	discussed i decision of completion by specific limitations	al component MWO n the POD until in whether a work of without breaks, windividuals at a will be made at trip potential.	field work order is to whether MWC specific to	is complete. proceed until is to be work imes or other
4.10.3.6	by OSOS or	ions or limitation of the second of the seco	to ensure	clarification
4.11	PREVENTIVE :	MAINTENANCE		
	MWO's for poon the NPMI	reventive mainter S.	nance (PM)	will be genera
5.0	REFERENCES		And I	O,
5.1	Regulatory (Guide 1.33, Revis	ion 2, Feb Requirement	eruary 1978, is (Operation)"
5.2	ANSI N18.7- Assurance for Plants"	1976, "Administra or the Operations	tive Contr al Phase of	cols and Qualit Nuclear Power
5.3	VEGP Technic	cal Specification	s, Section	1 4.0
5.4	Title 29 CFT Administrat:	R 1910, Occupation (OSHA 2206, F	on Safety a levised, Ju	and Health ine 1981)
5.5	VEGP FSAR,	Section 13.5.1, '	'Administra	ative Procedure
5.6	VEGP FSAR, S	Section 13.5.2, "	'Operating Procedure'	and Maintenanc
5.7	VEGP FSAR, S Program"	Section 17.2, "Op	erations (Quality Assuran
5.8	NUREG 0800,	"Standard Review	Plan" Sec	tion 9.5.1 and

PROCEDURE NO.		REVIS	SION		PAGENO	
VEGP	00350-C		19			30 of 35
5.9	PROCEDURE	ES.				
5.9.1	00100-C,	"Quali	ity Assurance R	ecords A	Administ	ration"
5.9.2	00108-C,	"Contr And R	rol, Approval, A Revisions'	And Use	Of Vendo	or Manuals
5.9.3	00150-C,	"Defic	ciency Control"		*	
5.9.4	00201-C,	"Quali	ity Control Ins	pection	Program'	
5.9.5	00254-C,	"Plant Progr	t Housekeeping/N	Material	Conditi	Lon
5.9.6	00258-C,		Work Procedure Ined Spaces, We			
5.9.7	00260-C	"Contr	rol Of Chemical	s/Fluids	**	
5.9.8	00304-C,	"Equip	oment Clearance	And Tag	ging"	
5.9.9	00306-C,	"Tempo	orary Jumper And	d Lifted	Wire Co	ontrol"
5.9.10	00307-C,	"Tempo	orary Modificat:	ions"		
5.9 .	00352-C,	"Contr	col Of In-Proces	ss Mater	ials"	
5.9.12	00400-C,	"Plant	Design Control	T **		
5.9.13	00800-C,	"Requi	Isition Of Mater	rials An	d Servi	ces"
5.9.14	00801-C,	"Contr	col Of Onsite Co	ontracto	rs"	
5.9.15	00853-C,	"Mater And I	rial Identificat [ssue"	tion, Co	ntrol	
5.9.16	00910-C	"VEGP	ALARA Program"			
5.9.17	00930-C,	"Radia	tion And Contar	nination	Control	0
5.9.18	20002-0,		col of Insulation"	on Remov	al and	
5.9.19	20003-C,	"Scaff	fold Construction	on And C	ontrol"	
5.9.20	20015-C,	"Preve	entive Maintenar	nce"		
5.9.21	20016-C,	"Predi	ctive Maintenar	nce Prog	ram"	
5.9.22	20100-C,	"ASME	Section XI Repa	air/Repl	acement	Program"

PROCEDURE NO VEGP	00350-C	REVISION PAGE NO 31 of 35
5.9.23	20110-C,	"Weld Control Program"
5.9.24	20411-C,	"Control Of Lubrication"
5.9.25	20427-C,	"Maintenance Cleanliness And Housekeeping Control"
5.9.26	20429-C	"Short Term Documentation Of Temporary Jumpers And Lifted Wires"
5.9.27	29401-C,	"Maintenance Work Order Functional Test"
5.9.28	29402-C,	"WPG Work Request Processing"
5.9.29	70106-C,	"Contractor Administration"
5.9.30	70556-C,	"Transfer Of Materials From Construction Warehouse To Nuclear Operations"
5.9.31	92015-C,	"Control Of Transient Combustibles"
5.9.32	92020-C,	"Control Of Ignition Sources"
5.9.33	92026-C,	"Fire Protection Work Evaluation"
5.9.34	92028-C	"Control Of Fire Area Boundaries"
5.9.35	92035-C,	"Fire Protection Operability Requirements"



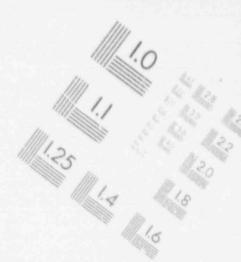


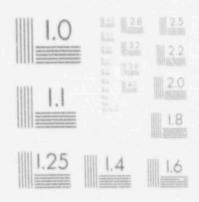
Work Request Tag	WRT NO	
WRT No		
Tag #	Placed By:	
Oate	* *	
	t Paris	
Problem		-
		÷
A	· · · · · · · · · · · · · · · · · · ·	
		-
CAFFOLD/LADDER REQ.? LOCK WALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA omments	MOVAL REQ.? () Y ()	N N
LOCK WALL/FLOOR PLUG RI IPING INSULATION REMOVE AD OR CONTAMINATED ARE Omments Cation	MOVAL REQ.? () Y ()	M M M
LOCK WALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA omments catten	MOVAL REQ.? ()Y ()) LL REQ.? ()Y ()) ()Y ())	Me M
LOCK NALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA OMMINENTS THIS PECTION FOR	Phone Phone OSOS/35 USE ONLY	M M M
LOCK NALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA continuents THIS PECTION FOR Is immediate Notification Required	Phone Phone OSOS/SS USE ONLY	M M M
LOCK NALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA Comments THIS PECTION FOR Its Immediate Not/Acciton Required If Yee: 01HR 04HR 024HR 1 Priority 0E 0U 01 02 03 04 05	Phone Phone OSOS/SS USE ONLY OHIO Time	M M M
LOCK NALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA Continents THIS PECTION FOR Its Immediate Not/Acation Required If Yee: 01HR 04HR 024HR Priority 05 04 05	Phone Osos/ss use only Oc.	M M M M M M M M M M M M M M M M M M M
LOCK NALL/FLOOR PLUG RI IPING INSULATION REMOVA AD OR CONTAMINATED AREA continents THIS PECTION FOR Its Immediate Notification Required If Yee: THIS CLAHR	Phone Phone OSOS/35 USE ONLY OC #	M M M

32 of 35

FIGURE 1 (FRONT)
3 PART CARBON (TYPICAL)

IMAGE EVALUATION TEST TARGET (MT-3)





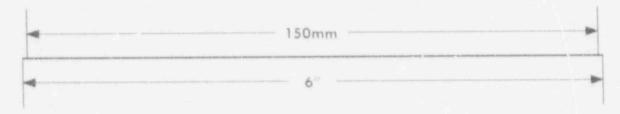
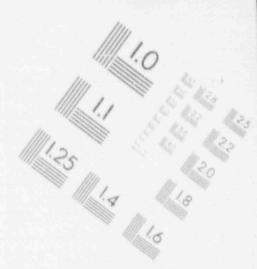
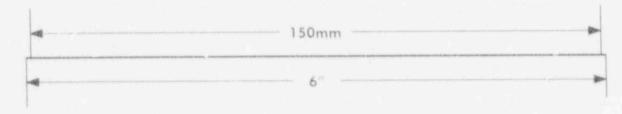


IMAGE EVALUATION TEST TARGET (MT-3)



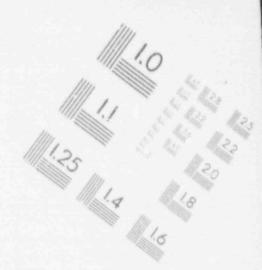




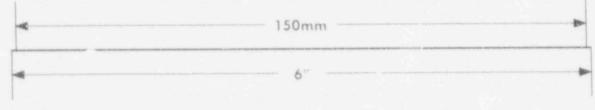


O'I BYIM GZ

IMAGE EVALUATION TEST TARGET (MT-3)







507 M

STATE OF THE STATE



Special Conditions

00 No Special Requirements

Milestones 131

116 Analysis

Water Treatment Outage

07 Aux. Stem. Aux. Blr. Outage

Service/Inst. Air Outage Fire Protection Outage

HVAC/Chiller Outage (Non-ESF) MSR A&C Outage MSR B&D Outage

12

MSR 8&D Outage
Heater Drain Pp Outage
Condensate Pp Outage
Circ. Weter 8ox Outage
A Train Fower. LP Htr. Outage (1.2.3)
B Train Fower. LP Htr. Outage (1.2.3)
C Train Fower. HP Htr. Outage (1.2.3)
A Train Fower. HP Htr. Outage (4.5.5)
B Train Fower. HP Htr. Outage (4.5.5)
B Train Fower. HP Htr. Outage (4.5.5)

23 64 Htr. Outage

68 Htr Outage A' MFW Pp Outage B' MFW Pp Outage Turbine Thorax Tho 25

Generator Degassed Short Cycle Recirc.

Circ. Water Pp Outage Steam Generator Blowdown Outage MSIV's Cir sed

Vacuum Broken

Condenses, Sys. Shut Down Circ. Was... Sys. Shutdown 42

Containment Entry (Outside Shield)

Containment Entry (Ineide Shield)

Containment Entry (Inside Shield)
SI Accumulators Oreined/Depruse.
Spent Fuel Pool Cooling Outage
Charging Pp Outage
RCP(s) Shutdown
Charging/Letdown Sys. Outage
Seal Injection Outage
RCS Deprussur/Ized
RCS Middoop
Stener Generator Desined

46

52

58

Steam Generator Delined

At Viscosi Delined

AFW TrendSvir am Outage

SI Pp/Train / stage

Containes Spray Pp/Train Outage

Diesel Generator Outage

RHM Pp/Train Outage

NSCW Pp/Train Outage

NSCW Pp/Train Outage

HVAC/Chiller Outage (ESF) CCW Pp/frain Outage

Electrical Bus Outage (Mode 5) Special Test(s)/Surveillance(s)

70

75 Functional Test Requiring Outage 76 CTMT Rt. Requiring Outage

80 No Special Conditions

CIRCLE ONE OR MORE

705426A (250

19

34 of 35

WORK REQUEST TAG INSTRUCTIONS

NOTE

These instructions are intended to provide guidance on correctly completing WRT. Blocks not required to be completed for a specific WRY will be marked N/A.



WRT No.

Control number assigned by the WPG, via NPMIS

MPL Tag

The number of the component associated with the

work request

Date

Date WRT initiated

Placed By

Name (printed) of individual hanging tag (N/A if

in containment)

Problem

Complete Description of problem or reason work is required providing an accurate, complete description of the problem indications for investigative maintenance, failure description for corrective maintenance, or summary of modification/installation for design changes. This should contain as much detail as possible to clearly describe the problem, failure or design change without the need to review reference documents. The problem description should not state what should be repaired/reworked nor should it contain work instructions. General descriptions such as "IPSV 9999 is relieving below setpoint pressure of 350 psig" "Pressure Indicator 1 P1 99999, 0-60 psig, was broken during scaffold installation"; "Loss of breaker contro power, Suspect blown fuse", and Breaker is to normal chilled water pump" are acceptable. If WRT corrects a deficiency identified by a DC, NRC or QA audit finding, so state and enter identifying number. (Initiator or Work Planner)

Location

Where equipment is located. Include Building, Level and Room.

Submitted by Name (printed) of individual completing Tag.

FIGURE 1 (CONT'D)

CEDURE NO		REVISION	PAGE NO.
VEGP	00350-C	19	35 of 3
		NO CONTINUATION SHEET	
WO NO			
		WRT NO.	
CONTINUA	TION		
Ki-men thorn-har-jumper tro			
Management of the Contract of			OFFICER AND AND ADDRESS OF THE PROPERTY OF THE
		-(1	
THE REAL PROPERTY.	and the second state of the second second second second		
NOTIFICATION OF THE PARTY OF TH			
		man and a second	

5413

05-111-90 No

. Jime al Date 3-20-40 11. New May- same conditions as before 0000 OSP 1400 5-1 Shutdown Margin Calculation for Mode 5 entry complete & sat, 100.30 JCP. 18 mc. Calibration on IRE-003 per H3690-1 comp. & sat. 0301 OSP14801-1 NSCW XFR PUMP IST Complete & Sat. 0355 OSP, 14001-1 Shift Area Temperature by complete } sat, for 0400 hours. 0456. mit @50L 010 - FBJ ... Indeed ... asaz Relieved by Bruce Snider David Woodfin · 0970 . Duch Check Vlus men from the same of the same SHIFT COMPLEMENT (UNIT #1) DATE _ 2 . 40 - 40 Mide Madia RO Vicane FIRETEAM UNITS SALLES BOP HEADER CHEATER SUPPORT SS CHARLET ABO L' WYEN Lugar SIA STANSIAN A CHARLES AND AND ACTION OF THE MENTAL OF THE PROPERTY OF THE PRO SHIFT CLERK Trades 180 Walton 1 64 KY60 Horges 080 Carleon budium ARD Hataleria 9202210397 920116 PDR ADDCK 05000424 10 240 con et A" RAT : pare " AAOI lest - caly RICK 0820 train last. A DIG started - these toppeds on the to Extend ADP 18031-1 + 18014-1 3/6 1A auto started by resetting dequesies topped 0841 14 les judes water proce DIV IA focally energency started, in production by a service of the se Site acca energency declared for Mait 1 - law of place . Il min - low of other & part power D' started . Lare exit theras Q 1567 0900 0963 Commenced coeffing core via

	SHIFT COMPLEMENT (UNIT #2)	DATE 5-20	-90	PLANT SENTUS 100%, 1180 MW, 2418.
	OSOS HOPKINS RO	QUILLETE FIRE TEAM		226 STEPS, 588.6°F
	UNITES G. MODEC BOP		CISTIAUSEN	COS U TRN'B CBCRHUAC, RECOS,
	SUPPORTES CHISCOSSI NO	MORRIS		PLANTER, CO SUM ADS WHAT DRIE PHURYSE
	STA FUNCTION SUIDES DAD	MICONIE.	ERAUTIEY	PT 438, AMG + 24V, CLIMT MUX CLP, 21/14/32
	SHIFT OLERA PUBLIKING TRO	GRANTIN (GOODRUM	RE 2532. D'COND. VESSER WG5
		GRANT .	MUKSON	LONK TEST
	HAIGHERON			
	OTHERE			
	per un en reconstant de la companya			
- C656	ALMORIZED STAR	TOF "WOOP"	AT-TAU	GAGOT, 24810
0743	ANTHORIZED STAR	T OF 24 334	000	W PI 1874
08.7	34810 CCWF.	SAT		
CHERRY	"你这种女性心验	HOER CHARLE	auditoria	TRACE TO GATE SECTION OF THE PROPERTY OF THE P
0821	MANUAL MISL	-I		
082	ENTERED 1900	51-2		
			To L	OSS OF ALL BUT OC EMER.
	LUBE OIL PP.			
-	LACE OIL FI.			
0851 0402	SEGURED TO A	TW DECLARE	FOR U	11 Loss of ALL AC
0402	SITE AREA DUE	R DECLARE	FOR U	11 Loss OF ALL AC
9 093	SITE AREA DO	NO DECLARE	FOR U	RT LOSS OF ALL AC
9 093	SITE AREA DOS TRIANED RUDNIN DISPATCHED TO	DECLARE SUBRADED T G CIRC PP D PUMP REPOR	FOR U TO ALE TO B	RT LOSS OF ALL AC
9 093	SITE AREA DOS TRIANED RUDNIN DISPATCHED TO	DECLARE WHO GRADED TO GERCE PRO PUMP REPOR	TO ALE	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D'TO SHUT DISCH VIUS ON
0902	SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WA BOTH PP'S PRID	DECLARE WO GRADED TO G CIRC PR D PUMP REPOR IS VIBRITING R. TU STARTI	FOR U TO ALE TEO B - NEE WG EI	RT REPORTED CIRC. PA UIB., PEO OTH PUMP DISCH'S OPEN AND DITO SHUT DISCH VIUS ON
090	SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WA BOTH PP'S PRID	DECLARE WO GRADED TO G CIRC PR D PUMP REPOR IS VIBRITING R. TU STARTI	FOR U TO ALE TEO B - NEE WG EI	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER
0902 093 1100 LE 1035	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP. WA BOTH PP'S PRIO	DECLARE WNGRADED TO G CIRC PR D PUMP REPOR IS VIBRATING R TU STARTI	FOR U TO ALE TO B TO B TO B TO B TO B TO B TO B TO B	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INDINE - 2BADS ENERGIZED
0900 093 1100 LE 1035	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WA BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA	DECLARE WORRDED TO G CIRC PR D PUMP REPOR S VISKITING R TU STARTI G -* 18"3 R MGIN 14005	FOR U TO ALE TO B TO B TO B TO B TO B TO B TO B TO B	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INDINE - 2BADS ENERGIZED
0900 093 1100 LE 1035	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WAR BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD	DECLARE WORRDED TO G CIRC PR D PUMP REPOR S VIBRITING R TU STARTI G - * 18 * 3 R MAGIN 14003 RMINATED 2 G COT	TOR INTERIOR OF THE COMI	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D'TO SHUT DISCH VIWS ON THER INDING - 2000 ENERGIZED
1100 1100 1100 1142 1142	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WAR BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD	DECLARE WORRDED TO G CIRC PR D PUMP REPOR S VIBRITING R TU STARTI G - * 18 * 3 R MAGIN 14003 RMINATED 2 G COT	TOR INTERIOR OF THE COMI	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D'TO SHUT DISCH VIWS ON THER INDING - 2000 ENERGIZED
1100 1100 1100 1142 1142 1404 1507	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP. WA BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD AUTHORICED S	R DECLARE WN GRADED TO G CIRC PR D PUMP REPOR S VIBRATING R TU STARTI G - * 1 & * 3 R MAGIN 14003 RMINATED Z-90-097 TARE OF 24	FOR U TO ALE TO DE TO B TO B TO B TO B TO B TO B TO B TO B	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INNING - 2BAOS ENERGIZED 9 SAT.
1100 1100 1100 1142 1142 1404 1507	SITE AREA DOS SITE AREA DOS TRIAPED RUDNIN DISPATCHED TO THE IDLE PP WA BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD AUTHORIZED S	R DECLARE WO GRADED TO G CIRC PR D PUMP REPOR S UISKITUDE R TU STARTI G - * 1 & * 3 R MINATED Z-90-097 THRE OF 20 R TUSATED	CPS RU	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INNING - 2BAOS ENERGIZED 9 SAT. TT - RX TRIP 2 BAOS: BEING POWERED.
1100 1100 1100 1142 1142 1404 1507	SITE AREA DOS SITE AREA DOS TRIANCO RUDNIN DISPATCHED TO THE IDLE PA WA BOTH PPS PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD AUTHORISED S HY 300 COMM FROM THE EN	PUMP REPORE PUMP REPORE SUBMITING RESULTANT G-*18"3 R REGIN 14003 RMINATED Z-90-097 THRE OF 24 LENGSATION ACCORD CY DI	CPS RU	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THEK INNING - 2BAOS ENERGIZED 9 SAT. TT - RX TRIP 2 BAOS: BEING POWERED.
1142 1142 1142 1144 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404 11404	SITE AREA DOS SITE AREA DOS TRIATED RUDNIN DISPATCHED TO THE IDLE PP. WA BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD AUTHORIZED S LY 330 COMM FROM THE EN 24555 COMF	PUMP REPORE PUMP REPORE PUMP REPORE SUBATTING REGIN 14003 RMINATED Z-90-097 THRE OF 24 LERGENCY DI SAT.	FOR U TO ALE TO DE TO DE	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INNING - 2BADS ENERGIZED 9 SAT. TT - RX TRIP 2BADS, BEING, POWERED.
1747 1446 1530	SITE AREA DOS SITE AREA DOS TRIADED RUDNIN DISPATCHED TO THE IDLE PP WA BOTH PP'S PRIO ENTERED 1200 BY THE BOYG SHUTDOWN MA EMERGENCY TO ENTERED LCD AUTHORIZED S 14230 COMP FROM THE EN 24695 - AUTH	PUMP REPORE PUMP REPORE SUBMITTION CIRC PRO PUMP REPORE SUBMITTION CIRC PRO PUMP REPORE SUBMITTION CIRC PRO PUMP REPORE PUMP REPORE AND 14003 RMINATED Z-90-097 THRE OF 20 PENDSATED SATE DRIZED STAKE DRIZED STAKE DRIZED STAKE	CPS RUE TO	REPORTED CIRC. PA VIB., PEO OTH PUMP DISCH'S OPEN AND D TO SHUT DISCH VIWS ON THER INNING - 2BADS ENERGIZED 9 SAT. TT - RX TRIP 2BADS, BEING POWERED.

Nº 2877 Seorgia Power Company

logtle Electric Generating Plant init 2 Shift Supervisor Log Date 3-26-98 - DA "CUT B ... 1709 24696-2 COMP. \$ SAT FOR U31 \$N32 1716 1741 1744 RELIEVED BY J ROBINSON BALLY MEORE 1822 Night shift on: JC all Contain destination and the contraction of the cont

gia Pow	er Company
Half 1 Contro	ic Generating Plant
Time W	B. Tuisday Date 3/20/90
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
-	EHR A 18 2457 @ 0005 CST - WYLAMS
0103	MA (8 1928
- 0301	Tygor the 1878 osplete trat for NSCW transfer pump #8.
0350	
0409	14001-1 complete
0452	The second secon
045%	- LAS
0500	3, (10
0523	Typo the @ 1878 - manned continuously x18. gump #6.
0527	OSP 14811-1 complete + sat for BA xife. guap #6.
0558	
0623	LPV - DI PIK . DEK. ha
de microsoft	Angelogical destablished by Planne - geking
0703	Duy Shift ON. NO CONSTRUCT SHOP OF HOMESTERS AND A TRAIN A
UIW	Plant STATE Mode 6 100 CPS RES BOREN 2457 RHR TRAIN A. IA.
-	
	The state of the s
0816	A ALL A A A A A A A A A A A A A A A A A
CE2.	O LOST CECUT
	Act 1808 miles ofter Sequences heat of the sequences
084	11 016 14 0000
	water pressure. De larel loss of Aur 710 min. Loss of
08	water pressure. 54 The area Emergency Declared loss of Aur 710 min.; Loss of
and programmed	more any posito the ancita lovely and a ser was some of the more posses upon stantal accounts
LECK	1900 BHR PUMP A STORTER COMMENCE.
0	900 BHR PUMP A Started to
CONTROL A	A AC LA
C	A I. I I OA LONE.
PARCEL PROPERTY AND THE PARCEL	A CHARLES AND THE PROPERTY OF THE PARTY OF T
A There	937 Spire Match wetted in place.
	1089 RAT B Energiant
- PASS	and Marrow Philler NA. I Alared IN Service
	The the district to colored a River water fungi
	200 LASS Overgised from B RAT.
The state of the s	12 oran B Pamps 24 4 started
	May Dumor odd startel
	121 AHR PUMP & Stantal

gle Power Company
e Electric Generating Plant

INTERIOR DE LA PROCED BOOK in remote 1155 DE LA PROCED BOOK in remote 1157 14902 alternatic Encoming Exercise cheese on Recalleling with 06 1A 1157 14902 alternatic Encoming Exercise be num for 45 minutes due to low 1254 OF 1A Cooked to Escometo be num for 45 minutes due to low 1254 Consumentors placed back on normal supply. 1241 Annual transmitted 1254 Of 1A The Books opened 1254 Of 1A The Books opened 1255 Of 1A placed in standing realizances 1415 BAR Train A Placed in shattan exoding and RAGE Train B remove 1416 BAR Train A Placed in shattan exoding and RAGE Train B remove 1416 BAR Train A Placed in shattan exoding and RAGE Train B remove 1416 AAR From B Stoppel 1510 Normal Children aliquid in square 3-1 1416 1416 Are Stoom Mealer Property of the Service Remove Residen & com 1416 Are Stoom Mealer Property of the Remove Residen & com 1510 Of 1A Declared Drygonoble 100 NO. 1520 Of 1A Declared Drygonoble 100 NO. 1531 BOLD Deal for which prop and selectors for fore prop service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service 1531 BOLD Deal fore which prop and selectors fore from p service	1 Contro	Park of the 124
187 / Amos alternate gracements be near for 45 minutes due to low 1211 0/6 IA Coolect to 6500 mits be near for 45 minutes due to low load operation 1334 Oper 1400-1 Complete & Sot, Ray Shift 1241 Annuaustan placed back on normal supply. 1241 Ale IA 710 Broken operate 1250 Of IA placed in standby readings 1415 AHR Train A Placed in standby readings and RHR Train & remove from shuttern cooling a placed on section. 1418 AHR Train A Stopped 1418 AHR Train & Stopped 1510 Normal Critism aligned in square 2-1 1416 IN Storm Healer Received to 200 ping from and Bailer & com 1415 Aux Stoom Healer Received to 200 ping from and Bailer & com 1416 AN X Stoom Healer Received to 200 ping from and Bailer & com 1417 AN X Stoom Healer Received to 200 ping from and Bailer & com 1418 AN X Stoom Healer Received to 200 ping from and Bailer & com 1419 AN X Stoom Healer Received to 200 ping from and Bailer & com 1410 Dels IA Declared Droperable LCO NO. 1720 Dels IA Declared Droperable LCO NO. 1741 RD A 200 pingled into Anto. 1831 Boar Divil frie water prop and cleaters fire from possession and placed into Anto.	ime (h)	WESTIN
187 / Amos alternate gracements be near for 45 minutes due to low 1211 0/6 IA Coolect to 6500 mits be near for 45 minutes due to low load operation 1334 Oper 1400-1 Complete & Sot, Ray Shift 1241 Annuaustan placed back on normal supply. 1241 Ale IA 710 Broken operate 1250 Of IA placed in standby readings 1415 AHR Train A Placed in standby readings and RHR Train & remove from shuttern cooling a placed on section. 1418 AHR Train A Stopped 1418 AHR Train & Stopped 1510 Normal Critism aligned in square 2-1 1416 IN Storm Healer Received to 200 ping from and Bailer & com 1415 Aux Stoom Healer Received to 200 ping from and Bailer & com 1416 AN X Stoom Healer Received to 200 ping from and Bailer & com 1417 AN X Stoom Healer Received to 200 ping from and Bailer & com 1418 AN X Stoom Healer Received to 200 ping from and Bailer & com 1419 AN X Stoom Healer Received to 200 ping from and Bailer & com 1410 Dels IA Declared Droperable LCO NO. 1720 Dels IA Declared Droperable LCO NO. 1741 RD A 200 pingled into Anto. 1831 Boar Divil frie water prop and cleaters fire from possession and placed into Anto.	1155	LATE IN MARIE TO A STEER CLOSER Da Breakleling with DE IA
Joseph Control to Complete & Sot. Day Shift 1934 Convenienters placed back on narmal supply. 1947 Emergency Tanonia Tale 1948 Of 19 THE Broader openal 1950 Of 19 Shattboom 1950 Of 19 placed in standly readings and RHE Train & remove 1948 HAR Train H Placed in shattboom tooling and RHE Train & remove 1948 AHR Proof & Stoppel 1949 Normal Critics aligned in square 2-1 1946 19657 WB 1705 1705 1705 1705 1705 1707 1707 1707 1708 1708 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1709 1700 170	1157	1 AAO ? alterate promite be run for 45 miautes due to low
1934 OF 1400-1 Complete & Sot. Day Shift 1941 Annimitary placed back on narmal supply. 1947 Emergency Terminatale 1934 Up 18 TIE Broader operate 1936 Up 18 Tread in standly readings 1455 Up 18 placed in standly readings 1418 BHK Train & Placed in shittare cooling and RHE Train & remove 1418 BHK Train & Placed in shittare cooling and RHE Train & remove 1418 AHK proof & Stoppel 1514 Normal Critters aliqued in sequence 2-1 1515 UP B 1705 1705 1705 1705 1706 1851 Arr Steam Header Preservind to 200 ping from aux Bailer & con 1710 asp 16851 Det sheet 9 coupled & soft (Prince Sin Jamp 1878) 1720 D/S 1A Declaral Desperable 200 NO. 1731 APT A Excentical 1831 Both Dial file webs page and electric fire from p securing 1831 Both Dial file webs page and electric fire from p securing 1831 Both Dial file webs page and electric fire from p securing 1831 Both Dial file webs page and electric fire from p securing		0/6 IA Coadek to 6000 mg
1234 CAP 1400-1 Complete & John Chandle on normal supply. 1241 Canausatory placed back on normal supply. 1247 Emergency Tensionatel. 1250 Old 18 TIE Brooken opened. 1250 Old 18 Shatboorn 1455 Old 18 placed in standly readinous. 1416 PHR Train & Placed in shatlow cooling and RME Train & remove from shutton cooling & placed on recise. 1417 AHR PUMP & Stopped. 1418 Sou Normal Children aliqued in sequence 2-1 1418 1418 Aux Stoom Houles Remained to 200 ping from aux Bailor & constitution in squade in sequence 2-1 1410 Aux Stoom Houles Remained to 200 ping from aux Bailor & constitution in squade in the stoom of the stoom was been proposed to the stoom of the stoom to proposed to the stoom of t		
1941 Chromewolon placed in Semicolar Country Del Emergency Tennisated 1954 Of 18 The Brooker opened 1955 Of 18 placed in standly realized 1946 PHR Train & Macad in shuttawn cooling and RHE Train B remove 1948 AHK Proof B Stopped 1949 Normal Children aliqued in sequence 8-1 1948 1957 WB 1708 1708 1851 Are Stoom Header Remarked to 200 peig from and Bailor & com 1861 Are Stoom Header Remarked to 200 peig from and Bailor & com 1870 Off 18 Declared Desperable LCO NO. 1720 Off 18 Declared Desperable LCO NO. 1741 RAT A Excepted. 1831 Born Divil fire with page and pleating fire pamp securi	1234	
By Die 18 The Breaker operate 1996 Of 18 Shatboarn 1405 Of 18 placed in standly realized 1416 PHK Train & Placed in shattow cooling and RHK Train B remove 1418 PHK Train & Placed in shattow cooling and RHK Train B remove 1418 RHK ping B Stopped 1500 Normal Critical aligned in sequence 2-1 1657 WB 1705 1705 1705 1705 1700 1810 1810 1820 1820 1831 Soun Diad fire with ping and selective fire promp secure 1830 1830 1830 1830 1830 1830 1830 1830 1831 Soun Diad fire with ping and selective fire promp secure and placed into Burb.		(Innumerators placed out
1324 No 18 THE Branch opened 1336 Of 18 Shathar Shathar 1405 Of 18 placed in standly realized 1418 PHR Train & Placed in shathar cooling and RHR Train & remove from Shathar cooling & placed on recent. 1418 PHR Prop & Stoppel 1500 Normal Crithers aligned in sequence 8-1 1507 WB 1705 1705 1705 1705 1700 1707 1700 1700 1701 1701 1701 1701 1701 1701 1701 1701 1702 1701		Emargency respusa
1405 Of 18 placed in standly realized 1405 Of 18 placed in standly realized 1416 AHR Train & Placed in shuttown cooling and RHR Train & remove from shuttown cooling & placed on recire. 144 AHR ping & Stappel 1504 Normal Children aligned in sequence 2-1 1446 1657 WRB 1705 1705 Arx Steem Headen Premied to 200 ping from and Bailer & con 1706 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1710 1711 1		No 18 TIE Braken opened
1416 PHR Train A Placed in shuttawn cooling and RHR Train B remove from shuttarn cooling a placed on recire. 1419 PHR PERRY B Stoppel 1500 Normal Chillers aliqued in sequence 2-1 1500 Normal Chillers aliqued in sequence 2-1 1505 WB 1705 Arx Steam Header Presented to 200 peig from aux Bailer & cool 1651 Arx Steam Header Presented to 200 peig from aux Bailer & cool 1700 OSP 1495-1 Det obself a complete & soit (Prince Ser Jamp 1500) 1720 OSP 1495-1 Det obself a complete & soit (Prince Ser Jamp 1500) 1741 PAT A Exception. 1831 Born Divil file with peop and selective fire prince Security Ond placed into Prity.		1 She Edition
1416 BAR Train A Placed in Southern from Shutthern cooking & placed on recine. 14A AHR PUMP & Stopped 1500 Normal Chillern aligned in sequence 8-1 15457 WRB 1705 Ar Steam Headen Preserved to 200 peig from aux Bailer & con 1651 Ar Steam Headen Preserved to 200 peig from aux Bailer & con 1651 Ar Steam Headen Preserved to 200 peig from aux Bailer & con 1700 OSF 1950 Det sheet 9 complete & out (Prior Sei Zomp 1876) 1720 OSF 18 Declared Dragoroble LCO NO. 1741 AAT A Exception. 1820 Born Divil Fix who proposed electric fixe pamp security. 1831 Born Divil Fix who proposed electric fixe pamp securi		DIG IA placed in standly readiness
from Shuthan cooling & place 14A AHR pimp & Stopped 1500 Normal Chillers aligned in sequence 8-1 1507 WB 1705 1705 1705 1705 1705 1700 Arx Steam Header Preserved to 200 ping from aux Bailer & cool 1700 asp 405-1 Date sheet 9 compile & soit (Privinsin Jump 2004) 1720 asp 1905-1 Date sheet 9 compile & soit (Privinsin Jump 2004) 1720 asp 18 Declared Disperable 200 No. 1741 ART A Excentical 1820 1831 Born Divil file with prop and alectric file promp 5000. 1831 Born Divil file with prop and alectric file promp 5000.		and Train A Placed in Druson in
14A AHR PUMP B Stopped 1500 Normal Chillers aliqued in sequence 2-1 1446 1657 WB 1705 1705 1705 And Steam Header Preserved to 200 ping from and Bailer & construction of the second of the seco	1416	Com shuttern cooling & placed on recire.
1800 1807 WR B 1705 1705 Aux Steam Header Preserved to 200 peig from and Bailor & con 1800		n etail
146 1657 WB 1705 1705 E 1651 And Steam Healer Preserved to 200 peig from aux Bailor & con 1650 And Steam Healer Preserved to 200 peig from aux Bailor & con 16702 OSP 1995-1 Date sheet 9 complete & 200 NO. 1720 OfG 1A Declared Desperable 200 NO. 1741 KAT A Exergical 1820 1831 Born Dial fire webs proposal electric fire promp secus and placed into Auto.	14A	AHR PUMP & Stimel in sequence 2-1
146 1657 WB 1705 1705 E 1651 And Steam Healer Preserved to 200 peig from aux Bailor & con 1650 And Steam Healer Preserved to 200 peig from aux Bailor & con 16702 OSP 1995-1 Date sheet 9 complete & 200 NO. 1720 OfG 1A Declared Desperable 200 NO. 1741 KAT A Exergical 1820 1831 Born Dial fire webs proposal electric fire promp secus and placed into Auto.		No made Creation
1705 1705 1705 1705 1705 1705 1705 1705 1707 1707 1708		" " " " " " " " " " " " " " " " " " " "
1705 E 1651 Aux Steam Header Preservind to 200 peig from aux Bailer & and E 1651 Aux Steam Header Preservind to 200 peig from aux Bailer & and LE 1702 OSP 1495-1 Det obset 9 complete & Dat (Prior Ser Jamp 1870) 1720 O/G 19 Declared Desperable LCO NO. 1741 RAT 19 Exergical 1820 1831 Both Diall fire with purp and electric fire promp seems and placed into Auto.		and the same of th
E 1651 Aux Steam person is operate. LE 1702 OSP 1495-1 Date sheet 9 complete & soft (Paris Ser Jump 100°F) 1720 OfG 1A Declaral Draperable LCO NO. 1741 AAT A Exergical. 1820 1831 Born Dial fire webs page and selectric fire pamp seems and placed into Auto.		
LE 1702 OSP 1498-1 Date obset 9 complete & soft (Mississen Zomp 1870) 1720 OSE IA Declaral Dragaroble 200 NO. 1741 RAT A Exergical. 1820 1831 Born Dioil fire webs proposed pleating fire promp seems and placed into Auto.		Avx Steam Make
1720 D/G IA Declared Desperable LCO NO. 1741 RAT A Exengical 1820 1831 Both Diad fire water page and electric fire prompt security and placed into Auto.	Me springs	
1720 D/G IA Declared Dispussed. 1741 AAT A SHERGIZER. 1820 1831 Born Direct fire water props and pleating fire pump seems and pleased into Augus.	LE MA	not specify complete & Dan 1
1831 Born Divil fire with purp and electric fire pump seems and placed into Auto.		DIG IA Declared Disposable LCO NO.
1830 - Put - Put - Put - Pump seems and placed into Auto.	110	1 RAT A Energized.
1831 Born Dial fire water prop and pleatice fire pump seems	1/4	A STATE OF THE STA
1831 Born Dial fire water prop and pleatice fire pump seems	and an embedded	put-
ad placed into miles	-	I But Double whe and olectric fire pump seems
ad placed into mijo	-183	1 Control of Autoria
	-	and placed into
	Caption of the Captio	
	7	
The barrier was the same of th	-	
	4	
	-	was warning a law of the care
	Man !	
	1	
	The state of	

and the same of th	Date 3-20-90
1401	New Day, New Brox
'0025	WMT +19 - WHO START
	BAST 5317, pm, sample @ 00.30.
0149	RCS auted 115 gal.
0205	RCS aluted 125 gal. RCS aluted 125 gal.
0212	RCS piluted 500 gal.
027	RCS Dilvial Duogal.
0237	RCS pileted 200 gel.
	RCS aluted 200 gat.
	UMT #9 - + Ries STY
030	BAST & 1233 gpm
	RCS pileted 200 gal
	"Started non Brains NEW forms of her running
0411	STATED COW ains 3, stopped COW fung 5.
May 3	PARAPHO PARENT MATERIAL MATERIAL PROPERTY OF THE PARENT OF
K4	STRETED CCW fung #5, stopped CCW fung #1.
0580	
	State
0515	che .
0515	
0515	che -
0670	Che Aug The Che Aug To The Supplet of Set of the server of
0515 0611 0620 0631	DER HERES - Zen ORUN ANDES IST SOMPLETE A Wainwell +
0515 0611 0620 0631	DIENT SALT SE TOU INCRESSED DO- WAS IN THE 64 CHIEF
0515 0611 0620 0631 0638	Dien Stiff of policies by G. Oudlette & Wainwell to Start A. C. # 3 For Incaposed Do-and in rule by I dies of G. (grider to the by I dies of the Contract of t
0515 0611 0620 0631 0638	DER HERES - Zer DEW ANDES TST SMOKETE & Wainwell to STEST AL # 3 For INCKPUSER DO-WAS IN THE 6 by I dies of BOIGHT TO GAL FOR TOWN (ONLESS)
0515 061 0620 0631 0638 0647 0749	DICHT SLIFT OF ANIEND by G. Quellette of Warmington Start A. L. & For Incapable Do-and in rule by I died by G. Built Top to the Start of the Start o
0515 0620 0631 0638 0647 0749	Dient shift of relieved by & Audiste of Wainwest to Start of Wainwest to Incorporate De-and in the by I die (grides to Table of the property of the Start o
0515 0611 0620 0631 0638 0647 0749	Diens shift of policies by G audiente of Wainwell to Start of the armount of the start of the st
0515 061 0620 0631 0638 0647 0749 0803 0803	Dient shift of relieved by & Audiste of Wainwest to Start of Wainwest to Incorporate De-and in the by I die (grides to Table of the property of the Start o
0515 0610 0630 0631 0638 0647 0749	Diens shift of policies by & auditte of Wainwell to Start of the start of the shift
0515 0620 0631 0638 0638 0647 0749 0803 0820	Went shift of policied by G auditte of Wainworld State of the 3 for increased period in rule by die and a sound of Boral 7 gal & tong content Boral 7 gal & tong content Brodown for NSIL, TR B Secured for Changery Request Dilots 25 gallons U2 Resolor trip due to turbise trip due to has of T3 Rat. Entered E0 manual ms Isolation to Maintein Par Level and
0515 0620 0631 0638 0638 0638 0749 0803 0820 0821	Dient Shift of policies by & Coullette of Wainwift Dient Shift of policies by & Coullette of Wainwift State of the discovered Demand in rule by iding (gridden to) Borale 7 gas & tong (antlet Blandown for NSLW TR B Secured for Chemistry Reques 12 Resolor trip due to turbine trip due to hoss of B Rat. Entreed to maintain Para Level and Trans fered to procedure 19001-2
0515 0611 0620 0631 0638 0638 0749 0803 0820 0821	Dient Shift So relieved by G Owellette St Wainway to State of the Antiquest Demand in tues by iding (grider to target to the Boundary of Bloodown for NSILL TR B Secured for Chansing Demand in the boundary Demand in the boundary of Bloodown for NSILL TR B Secured for Chansing Request De Total to turbine thing due to hoss of B Rat. Entered to Municipal Par Level and Prender for Silving To Municipal Par Level and Transfered to grocedure 19001-2 Broke Condersor Vac due to Loss of All but De
0515 0620 0631 0638 0638 0638 0749 0803 0820 0821 127 0830	Dient Shift of Relieved by G Owellatte of Wainwelf to the state of the
0515 061 0620 0631 0638 0647 0749 0803 0820 0821	DIGHT SLIFT OF Relieved by G. Chellette of Wainwelf to the state of th

Georgia Power Company Vogtle Electric Generating Plant Unli 2 Control Log

Time (3	Date 3/20/96
0902	SITT AREG. De Elastali due tp. Koss. OF AU. A.
	ON 41
09/5	Dower energial to thop, tam
0925	TURBINE ON TURNING GENT
0928	24 V17212 Byposs to ciac . woter. BD . Isola le
	due to Lossof River Queps
0830	Site AREA down groded to ALRET
E0830	MFP B Miniflo isolated due to loss of EBUP
E 0845	Coul pump # 2 stupped (* 3 had tripped)
0945	Ha 150 lated to Main generatul
0945	Page Amouncement to snoking or grinding took Build
0957	BIRAT MORNEL CIRCUIT SWITCHER 2HS: 31mia openal
the state of the s	TRANS FORE TO 1200 G-C
	TRIC C'20 Pump 2 Due to Reported high Dibrations
The state of the s	The state of the s
	Plant Status 2BAOB SUPPLIED by DCXB, ANADY
	005, 2NABOUS, RCP 2-4 005 2NDI POWERD
	542NBO1
	Stop ACCP
1134	STORT ACCUPUTE STOR ACCUPUTE TO help keep
	14005-2 Shut SH many or Comple & SAT Kept , 965
	50 3.67% 28/15
Nagospha	14000- 2 Treat spec Round's Conglete Except for
	Lection of Rolay SECTI Man Gon Po - O. At Moset
	to allow classing Marco- Ordant Breatist
	14915-2 Data Sheet 3 Discontinuel due to provious TRIP
1000	mire Wright Chamistry Reports Res Borow Cove
1242	303 ppm taken 3/20/90 1033
1400	Emergency Terminated
1.	RUNNING MG SET SAUT DOWN due TO high Roun
1407	HERPERUSINE TO WASTER OF CB HIVEL UNITE PASSON
E 0631 -	DAY STORE OF ON 1154 Dear River TI
COLUMN TO SERVICE AND A SERVIC	DAY Shirt on Ra Coullette, Bop by south states DANS
-1419	328, Res tour 588.5 No Significant Problems 14230-2 AC Source Ventication Complete ESAT BHS115 + 2HS 7150 Closed Per RWO FEEDER
1434	SHSUS + 2HS 7150 Cloud Per Dona Par Complete SAT
111	KIND THE COMMENT OF THE WAY THE OWN TO THE OWN

Time - 472 Date 3/20/9'0	
1647 OSP 14423-2 ON NI-31 COMPLE E SAT	
1651 Copice 5A7	
215 W3	-
70:	THE REAL PROPERTY.
1728 14905-2 RCS Leade Pate Cople 3 SAT -	
Finel ideal 1233 1 Copies SAT	
1731 Peo Reports from Aux boile to the OF	
1736 WATER TO Deluge Spray	
the state of the s	
1724 Rat B Energy & Acot Complete SAT	
1717 058 14423-2	
1717 OSF 14423-2 SOURE COME COME COME TO SOURCE THE PROPERTY OF THE PROPERTY O	to the sale and
2 NECH ENERVIZED FROM RAT D	The state
The same of the sa	
1752 ZWAB CNAGISO	
1755 Mai- Turbine ON TURNING GRO-	
1759 Stad Dil D 1+ 0 + 0	
1759 STACT Dit of At PHORE SOCIETY BERLEVILLE PART WAREN	
1828 STANT ACC W DUCK 1 5- 1	-
1828 STRUT ACCO PUTCH - STOP ACCO. PUTCE 2 837 Relició De Propert Resolution Sas	
and of the formation of the land works and were the war.	
Unit Status: Olo Power Tour 5570/	
The state of the s	

1. Unit I Control Room Log @ 0859 SAE declared - less of power >10 min lies of office & one to posso.

2. 0940 stand SAE calle included on event institute @ 0920

State of Gn 1047

No Times FOR 1) State of S C

1) DOE-SRP

3) Bunke County, OM

4) AIKEN COUNTY, SC

5) Allen County, 50

6) BARNACH CHATY, SC

Doingue frem SAZ 0956

· State of Go 1000

3. Wolfieli Form # 2 10:03

· State of SC 1034

· DOE -SAF 1029

" Burk County Ga 1056

+ Alber County SC

· alle Late Count 50 1029

· Barriell Genty SC 1022

3/214- Notified Form #3

Slate of Ga. 1059

Slate of SC. No Times

DOE - SEP

Build county Ga.

Acknowly SC.

Slandob Granty SC.

18

No Met

5 - Natificalis Form for Event Notificity workshall

· Bound Coms, 50

Pata shed 1 Panc. 91001-C

6 - Or Permer Car Notifern Charles .

1 NRC Recident 0908 No ament

1 Mgs Operate 0909

1 and Can Mgs Mand Egypt 0910

1 Mgs Train IEP 0921

Check but 4 Fam. 91001 - C

September 27, 1989

05-112-90

Memo To: George Bockhold, Jr.

General Manager Nuclear Plant-Vogtle

Subject:

Vogtle Electric Generating Plant - Units 1 & 2 Quality Assurance Audit Finding Report 350

Ref:

Q. A. Audit Report OP12-89/28

Transmittal Letter Dated June 27, 1989

File:

X73G17-P-OP12

Log:

OOA-89-292

On <u>September 27. 1989</u>, action taken to resolve the subject Q. A. Open Item was reviewed and determined to be <u>adequate</u>. This item is <u>closed</u>.

G. R. Frederick

Q. A. Site Manager

S. R. Ludenil

JRP/GRF/btp

Attachment

xc: C. K. McCoy

M. J. Ajluni

J. N. Roberts

American State of the second s W. E. Mundy

C. T. Davis

NORMS

QA File

ORIGINAL

Audit Finding Report Safety Audit and Engi		e Porty : J. N. Roberts
AFR No. OP12-89/28 #350	Reconfirmed Previous Finding No	Trocer No.
Company/Organization Georgia Power Company		
Project/Activity Plant Vogtle - Unit 1/Q. A	. Audit of Emergency Plan and Pro	cedures
Auditor(s)), C. T. Tippins, Jr., Sr. QAFR	6/1-15/89
Signature:		Date: 6/27/89
/ 50	REFERENCE/REQUIDEMENTS	

DELEVERATE VERY TEEMEN 3

10CFR50.72(b)(v) requires that a one hour report shall be made for "Any event that results in a major loss of emergency assessment capability, or communications capability (e.g., significant portion of Control Room indication, Emergency Notification System, or off-site notification system)."

FINDING

There are several emergency response communications systems that could be described as offsite notification systems. Procedure 00152-C revision 7, "Federal And State Reporting Requirements." does not clarify which systems at VEGP are applicable to the requirement. Further, procedure 91204-C, revision 9, "Emergency Response Communications," does not provide instructions for advising Operations should applicable systems fail their periodic tests. Note: Consideration should be given to evaluating each emergency response communications system identified in 91204-C for applicability to the reporting requirements to include degree of failure. The results should be added to 00152-C to provide assistance for Operations personnel to make the reportability decision. This should also be included in 91204-C with instructions for advising the applicable Operations personnel. To the degree that VEGP is involved with testing and maintenance of other communications systems involving Emergency Preparedness (Sirens, Plant Page, National Oceanic and Atmospheric Administration radio, etc.), they should be considered. Although the emergency response communications systems test failures or unsatisfactory results do not require the initiation of a deficiency card per procedure 00150-C, consideration should be given to their inclusion. This would provide additional plant attention and trending which may identify repetitive failures not previously addressed adequately.

RECOMMENDED ITEMS TO BE CONSIDERED IN CORRECTIVE ACTION

- 1. Investigate the problem and any potential similar conditions.
- 2. State actions taken to resolve the specific and similar problems.
- 3. Determine root cause.
- 4. State actions taken to prevent recurrence.

AFR NO 350	16435
SEE ATTACHED ADOT CAUSE WORKINGET FOR	AFTERITY OF INVESTIGATION AND
RECOMMENDED CORRECTIVE ACTION TO CORRECT RECURS	FULL OF THIS FINDING TO
INCLUSE A REVIEW TO RETERMINE IF AWY SIMILAR !	
Supervisor(s)	
Carelin & Cross 7/21/89 - 2 m od	TIZIN Expected Completion Day
(1) PROCEDURE 91706-C WAS APPROVED BY PRB . 91	7/89 GENERAL MANAGER 9/8/89
(2) PROCEDURE DOIST C WES APARONED BY PRA \$/3	1/89 GINERAL HANAGER 9/18/89
(3) PROCCOURT 91264-C WAS APPROVED BY DRIB 9/14	189 GENERAL MANAGER 9/18/49
	The state of the s
	THIS FINDING
	THIS FINDING
	THIS FINDING.
	THIS FINDING
THIS COMPLETES ALL CORRECTIVE ACTIONS FOR PERVISORS) Under 3 Casa 9/19/89 John lifth legal RR 9/19/89	THIS FINDING

PR No. OP12-89/28 #350

00A-89-200

CORRECTIVE ACTION/REVIEW VERIFICATION

ON JULY 28, 1989 | REVIEWED THE IDITION CORRECTIVE

ACTION PLAN AND FORND IT ACCEPTABLE: ON A UGUST 2

PREVIEWED 30/19 THE REVISION OF 00/52-C AND FOUND IT

ACCEPTABLE: ON AUGUST 2 | REVIEWED THE REVISED

RESPONSE FOR REVISION OF 9/204-C AND FOUND IT

ACCEPTABLE, ON SEPT. 27 | REVIEWED REVISION 10

TO 9/204-C. IT INCORPORATES THE CRITERIA DECESSARY

TO DETERMINE WHEN THE 0505 MUST BE NOTIFIED OF

SIGNATURE: DROPE DATE: 9/27/89

COMMUNICATIONS EAILURES.

9/27/89

STATUS OPEN REASON DELETED

UNIT ID:C

CONTROL #: 16435 ---- MODE ----123456

CURRENT 890628 ENTERED 890628 DUE BP0720 8/4/89 CLOSEDY

TYPE OPEN ITEM DEFARTMENT TRAINING SECTION EP PERSON J. ROBERTS

SOURCE DOCUMENT QA AUDIT

RELATED DOCUMENTS: AFR 350

MRESTONE 12,3

KEYWORDS: 00058-C ROOT CAUSE REQUIRED

RETURN TO BILL GABBARD INSPECTOR : PETRO

RESOLUTION DOCUMENTS 00152-C 91204 C

COMMENTS FOR COMMITMENT 16435 PLEASE NOTE OR ATTACH OBJECTIVE EVIDENCE FOR CLOSURE: THERE IS NO TRIGGER MECHANISM IN 00152-C OR 91204-C TO ASSURE THAT APPLICABLE LOSS OF OFFSITE NOTIFICATIONS SYSTEMS ARE REPORTED TO THE NRC WITHIN ONE HOUR.

RESP. INDIVIDUAL SIGNATURE

VERIFIED BY:

DATE

LAST PAGE

MILESTONE EVENTS:

1- AEWE 91204-C TO MOUNT SPECIFIC GUIDANCE TO (4) NOTIFY OSOS WHEN COMMUNICATED TESTS PETALTS INDICATE A MAJOR LOSS OF COMMUNICATION CAPARLY (B) SPELEY WHAT CONSIDERS A MAJOR LOIS OF COMMUNICATIONS CAPARNIT PER 10CFR 50.72 (6)(V). - DUE 9/15/89.

2 - AEVIEW ODISZ-E & 91204-C FOR SIMILAR SITUATIONS TO THIS AROIT FIVEING - DUE 8/4/89

3 - SURM. - PAREME REVISION SUGGESTION FOR MISSEL LISTING THOSE CONDITIONS THAT REQUIRE A ONE HOUR REPORT TO THE LARC HNOER THE C'EARLS OF MAJOR LOSS OF COMMUNICATIONS CANADILY- DUE 8/4/19

ROOT CAUSE DETERMINATION WORKSHEET

ERSONNEL PERFORMING	EVALUATION:	N. Robert	-5	
			name transmissional and a	THE STATE OF THE S
ESULTS OF INVESTIGAT heets if necassary)	ION (Include re	ferences and a	ttach continua	tion
	ess than	adeque	to succede	uro.
		J.		
				to a second section of the
commended Corrective	e Action(e)	ni ni mahi da kami Arina di Anno Andria.	THE STATE OF THE S	
	progradure	EAP 91204	-s to per	rede
speaking St	Nothing OS	when con	a water	ri Car
Carabi	Vita Beatl	a major		21.225.628.5
(6)	Satisfy us	hat constab	1 17 - 3	agail
	9 C P R 50.72	(b)(v) Cago	SEE PO	22
stimated Completion	Date 9/15	CONTRACTOR OF THE PROPERTY OF	Tes No	0435
OOT CAUSE CATEGORY (Throughout the Control
	DESIGN	HUMAN FAC	TORS	TRAINING
HAGENENT HPG/I	HSTALLATION	PROCEDURA	1	
DOT CAUSE: Proced	una. do mi	+ maide	specific au	Lance
anno +	2 - 72 / 1	1/00	100	AND THE PERSON NAMED IN COLUMN
WESTIGATOR SIGNATUR	E DA	TE		
KR Hallas	,7,	115/89		
A LANGE TO A STATE OF THE STATE	RTL DI	70701		

PAGE 1 05 2

Cause:	NTINUATION SHEET
	N/A
Sold Total NGC de	o(e) ve dige change request to NSAC ideadisse 00/52 Co distoria thous d require a gree hours report mild. The heading of maghe midden of Similar Similars
Resp. Dept. Head Estimated Completion Data Cause:	8/5/89 OIT Number /6435
Recommended Corrective Actio	N/A
	N/A
Resp. Dept. Head Estimated Completion Date	Approval: [] Yes [] No OIT Number
	N/A
Recommended Corrective Actio	on(s)
Resp. Dept. Head	Approval: Yes No
Estimated Completion Date	OIT Number

memo-Long rom,	more sound	8/2/89
. Jim Roborts	MOTE AND RETURN TO ME	PRESIDENT POR KY PRESIDENT POR KY PRESIDENT POR KY
Bill Gobberd	RETURN WITH MORE DETAILS NOTE AND SEE ME ABOUT THE	PER YOUR REQUEET BIGNATURE
10	PLEASE ANSWER FOR YOUR APPRIOUAL	FOR YOUR INFORMATION INVESTIGATE AND REPORT
SUBRETY	THE RESERVE THE PERSON NAMED IN THE PERSON NAM	
Reference: Open It	em Tracking &	ystem # 16435
Please find a Revision Suggestion 00152-C. This	tteched a Pr	ocedure
Revision Suggestion	Form fa	piscodure
00152-C Treat	Edward Cushin h	
of referenced 0173		
Regard That	there to	A
Changed to 9/15		MERTS EPIP
91209-C in 001	57-C as 100	emmended.
in that straight	Produce Reserve	· Sometine
Form, a	O D	
mor regulation	A Let	1209 C
the promoter was a	a used to the To	100,
0710 2/6	The same of the sa	8
The August 1	**	, , , , , , , , , , , , , , , , , , ,
	*** **********************************	(A
	- 43	and the same of th
The second secon	100	
D216A		

STATUS: CPEN REASON DELETED

UNIT ID C

CONTROL 4: 16435 ---MODE----123456

CURRENT 890721

ENTERED 890628

DUE 890007 89/9 6 CLOSED O JAR

TYPE OPEN ITEM DEPARTMENT TRAINING SECTION EF PERSON J. ROBERTS

SOURCE DOCUMENT QA AUDIT

RELATED DOCUMENTS: AFR 350

MILESTONES 1.2. & 3

KEYWORDS

00058-C ROOT CAUSE REQUIRED

ALTON RODGERS RETURN TO BILL GARBARD-

INSPECTOR PETRO

RESOLUTION DOCUMENTS 00152-0 912F4-C

COMMENTS FOR COMMITMENT 16435 PLEASE NOTE OR ATTACH OBJECTIVE EVIDENCE FOR CLOSURE: THERE IS NO TRIGGER MECHANISM IN 00152-C OR 91204-C TO ASSURE THAT AFFILICABLE LOSS OF OFFSITE NOTIFICATIONS SYSTEMS ARE REPORTED TO THE NRC WITHIN ONE HOUR. MILESTONE EVENTS

1). REVISE 91204-C TO PROVIDE SPECIFIC GUIDANCE TO (A) NOTIFY OSOS WHEN COMMUNICATION TEST RESULTS INDICATE A MAJOR LOSS OF COMMUNICATION LAPABILITY (B) SPECIFY WHAT CONSTITUTES A MAJOR LOSS OF COMMUNICATION CAPABILITY FER 10 CFR 50.72 (B)(V) -DUE 9/15/89

2). REVIEW 00152-C AND 91204-8 FOR SIMILAR SITUATIONS TO THIS AUDIT FINDING - DUE SHANDE 9/15/09) TAR

3). SUBMIT FROCEDURE REVISION SUGGESTION FORM FOR 00152-C LIST-ING THOS CONDITIONS THAT REQUIRE A ONE HOUR REPORT TO THE NRC UNDER THE HEADING OF MAJOR LOSS OF COMMUNICATIONS CAPABILITY -DUE 8/4/89 - MOOMPLETE)

RESP. INDIVIDUAL SIGNATURE: Mobert for Tome 3 DATE 8/2 VERIFIED BY DATE:

LAST PAGE: 1

STATUS OPEN CLOSED OR UNIT ID C REASON DELETEDT

CONTROL #: 16435 ----MODE----1 2 3 4 5 6

CURRENT 890802 DUE: 890915 CLOSED 0

TYPE DEEN ITEM ENTERED: 890628 DEPARTMENT TRAINING SECTION EF PERSON J. ROBERTS

SOURCE DOCUMENT QA AUDIT

RELATED DOCUMENTS: AFR 350

MILESTONES 1.2, & 3

KEYWORDS: 00058-C ROOT CAUSE REQUIRED

RETURN TO ALTON RODGERS INSPECTOR PETRO

RESOLUTIO					Marie States
00152-C	R/S	5- A	510	178 m	2.7
Q1502	-	71706	CK	125	5.69
5.4	.105	***Sacdis-dev. Robb	and the same of th	1	

COMMENTS FOR COMMITMENT 16435 PLEASE NOTE OR ATTACH OBJECTIVE EVIDENCE FOR CLOSURE: THERE IS NO TRIGGER MECHANISM IN 00152-C OR 91204-C TO ASSURE THAT APPLICABLE LOSS OF OFFSITE NOTIFICATIONS SYSTEMS ARE REPORTED TO THE NRC WITHIN ONE HOUR.

MILESTONE EVENTS

- 1). REVISE 91204-C TO PROVIDE SPECIFIC GUIDANCE TO (A) NOTIFY OSOS WHEN COMMUNICATION TEST RESULTS INDICATE A MAJOR LOSS OF COMMUNICATION CAPABILITY (B) SPECIFY WHAT CONSTITUTES A MAJOR LOSS OF COMMUNICATION CAPABILITY FER 10 CFR 50.72 (B)(V) -DUE 9/15/89
- 2). REVIEW 00152-C AND 91204-C FOR SIMILAR SITUATIONS TO THIS AUDIT FINDING - DUE 9/15/89.
- 3). SLEMIT PROCEDURE REVISION SUGGESTION FORM FOR 00152-C LIST-ING THOS CONDITIONS THAT REQUIRE A ONE HOUR REPORT TO THE NRC UNDER THE HEADING OF MAJOR LOSS OF COMMUNICATIONS CAPABILITY -

RESF.	INDIVIDUAL	SIGNATURE	¥1	Koberts	DATE	9/19/89
	VE	RIFIED DY	f -		DA DE	

LAST FAGE: 1

Please see attacked memo. Inc

			9/12/89
J.M. Roberts	MOTE AND PILE	A Local System County	BPLT FOR MY MOTOR ACTION
Alton Rodgers (3399	RETURN WITH MORE DE	home	
1212VI VERPETO 1 2388	MOTE AND BEE BIS ABOVE	lmd	IMPC/MMAT/CM
	FOR YOUR APPROVAL	- RPYESTIQA	TE AND REPORT
		4 443	
Ref: 0170 16435	Concerning F	FR 350	
		400	-
Λ Λ			
1 A ranger of 00153	2-c and 9/20	2 - May	Som
performed J.	U. Roberts with		The same
that remember are	wellested The		
Section 5.9.04 . E	001	3	
The second of th	CAR BOOKER CHIEF		
and the second s			的数据的关键"一种一 "
round to represent	912012 4		is-fre
round to represent	912012 4		andri "
guidance Though	9120 Per Milioter		andri 3
round to represent	9120 Per Milioter		andri "
guidance Though	9120 Per Milioter		an-fari
guidance Though	9120 Per Milioter		In fair
guidance Though	9120 Per Milioter		E .
guidance Though	9120 Per Milioter		a fair
guidance Though	9120 Per Milioter		The same
guidance Though	9120 Per Milioter		hie one
guidance Though	9120 Per Milioter		mil medico
2 Proceeding There of and the service of the manufacture of the manufa	Soctions Single Company of the Closed		his reduce
2 Proceeding There of and the service of the manufacture of the manufa	9120 Per Milioter		hie medices
2 Proceeding There of and the service of the manufacture of the manufa	Soction Sills		miles or a series
2 Proceeding There of and the service of the manufacture of the manufa	Soction Sills		miles of the second
2 Proceeding There of and the service of the manufacture of the manufa	Soction Sills		his medical
2 Proceeding There of and the service of the manufacture of the manufa	Soction Sills		Mai medica
2 Proceeding There of and the service of the manufacture of the manufa	Soction Sills		hie made on the second

05-113-90

#1 Release March 20, 1990 9:50 CST

A site area emergency was declared at Vogtle Nuclear Plant near Waynesboro at 9:00 A.M. (CST) today. The emergency was declared due to a loss of on- and off-site power to Unit 1 for approximately 36 minutes. Power has been restored to essential equipment in the plant, and the situation was downgraded to an alert status at about 9:15 A.M. (CST).

Unit 2 tripped off line but did not experience a loss of power and currently is being maintained in a stable condition.

The loss of power to Unit 1 occurred when a construction vehicle backed into a power pole in the switchyard adjacent to the plant.

A site area emergency is declared whenever on- and off-site power is lost for more than 15 minutes. There has been no release of radiation and no danger to the public.

#2 Release March 20, 1990 10:30 A.M.

The Vogile Nuclear Plant continues to operate in "alert" status. "Alert" is the second least serious emergency classification. The plant is stable.

Unit 1 was already down for its second refueling outage. Switchyard maintenance was in progress in connection with that outage when a construction vehicle struck a switchyard power pole. One of two diesel generators attempted to start to supply power, but failed. It then was started manually. The second diesel generator was out of service for planned maintenance, also in connection with Unit 1's planned outage. That inability to supply emergency diesel-generated power for more than 15 minutes resulted in the declaration of the "site area emergency" at 9:00 A.M. (CST). Unit 2, operating at normal power, tripped off-line due to power fluctuations on the Unit 1 side of the plant. Unit 2 did not lose essential electrical power, however.

Shortly after 9:00 A.M. (CST), non-essential personnel were assembled and accounted for in accordance with emergency operating procedures. They were not evacuated as initially reported.

Work is underway to restore normal power to Unit 1.

Neither unit sustained any damage. No one was injured, and there was no release of radioactivity.

THIS IS NOT A DRILL 03/20/90 (TYPED FOR CLARITY)

	05-/14-9
*0900	SITE AREA DECLARED
*0930	TLAM #2
*0931	DOWNGRADED TO ALERT
*0940	HMH BRIEFED - STABLE
*0943	GET TWO FIELD MONITORING TEAMS
*0945	TEAM #1 TO HP CONTROL POINT
*0952	TEAM #3 - FIELD MONITORING TEAM (CHEMISTRY) CHANNEL 5
*0954	TEAM #4 - FIELD MONITORING TEAM
*0959	TEAM #2 AT MET TOWER
*0959	LUCOT CALLED IN
*1010	TEAM #5 - LOW VOLTAGE SWITCHYARD
*1010	HMH BRIEFED
*1015	TEAM #6 - ELECTRICIANS - LOW VOLTAGE SWITCHYARD
1025	
1041	TEAM #6 RETURNED
1042	TEAM #8 - INTEGRATEC LEAK RATE TEST DIESEL AIR COMPRESSORS
	TEAM #9 - ESCORT AUGUSTA DIVISION
1052	TEAM #8 RETURNED
1055	TEAM #7 RETURNED
1106	TEAM #9 - STEVE HOPKINS
1109	TEAM #10 UNIT 1 CONTROL ROOM
1117	TEAM #10 CALLED
1117	HMH BRIEFED - STILL ALERT
1135	HMH BRIEFED
1153	TEAM #13 - AUX. BOILER (CHANNEL 1)
1157	TEAM #13 ARRIVED AT AUX. BOILER
1200	HMH BRIEFED
1209	TEAM #14 - OUTSIDE BY SOUTH VALVE ROOM BREATHING AIR COMPRESSOR
1211	TEAM #10 RETURNED
1215	TEAM #13 RETURNED
1230	ANH BRIFFED

^{*}CHANGED TIME TO CENTRAL STANDARD FROM LOG

10:00 Site Circulat Sections 5 30 Jean + 20 10:21 Lowngradia to alent 10:40 HMH Briefed - Stable 10:43 del a FM Jeann 1 45 Dean / to P Control At 5 10 50 Jean of FM Chem) Hames (in Jean 2 at Mit Jones 11 10 Jen 5, LVSWY 11.F5 Jean to Electrician for Voltage of 11:10 HMH Build 10:25 Sean ? Check Elevators 2:42 Jeen 8 ILET Diesel Jan 9 - Escort augusta Division

10.41 Jean le Returned 11:17 Hm H Brafed - Still alert-10:52 Dear 8 Returned 10:55 Dear 7 Returned 11 to Jean 9 Hughin 10:09 Ica 10 CR1 117 Sen 10 Called 11:35 HmH Bruged 12000 Dian 13 and Bailer Council Dian 13 arrived at and Beiler HMH Ereful 2:09 Jam 14 atode by South NV Ru an an angreen 12:11 Dear 10 Returned

12:15 Jean 13 Keturned

NRC

05-115-90

NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM 03/27/9 NP : 111 % 13:29:1 MAINTENANCE WORK ORDER (1 OF 8) NF 1 DOUDM PRINT WALKDOWN RPT N PRINTER ID NSACPIR NEXT PAGE 1 CAL C MWO# 18906328 00 CHTL# ** 3 REP TASK# PRI 30 DATE 12/04/89 TIME UNIT 1 SYSTEM 2701 STATUS 3P WORK TYPE C SUB TYPE STATUS INIT XMIT NUMBER REF TASES BATE LOADED 12/08/89 TIME LUADED 12.20:47 JUB NUMBER E
TYPE MAINT (P/F) P MWD SAFETY CLASS (S-SAFETY/N-NON-SAFETY) N
MPL/TAG 12701CSCP1 TR IND N DESC CENTRAL PROCESSOR NUC EU (YZN) TR IND N DESC CENTRAL PROCESSOR NUC CLS 620 SYSTEM DESC EMERGENCY RESPONSE FACILI NERD N VEND/MEG DATE CODE TECH SPECS LOC 1CB1 PAID MECH CONN ELEM AX3DAAH01A ELEC PROBLEM/WORK REQUESTED DESC THE PERMS DATALINKS. FROM BOTH THE COMM CONSOLE AND THE MINICOMPUTER. TO THE UNIT 1 ERF COMPUTER FAIL INTERMITTENLY, SUSPECT POSTION PROBLEM. TAG HUNG AT UNIT 1 ERF COMPUTER OR LOC: TSC URT 0532 INITIATOR JOHN EALICK SUPERVISOR WL BARGERON WCC RECEIVED DATE 3/02/90 TEMP HODS EQP HODE REQD (OVE/N) REPAIR TAGS 00532 NCR/DR & (Y/N) N NCR/DR & UNIT MODE REQD (1-6/G/N) FIRE PROTECT RELATED (Y/N) N SIGNATURE MATL AVAIL (Y/N) DCR & (Y/N) N DCR 4 REJECT CD/NAME/DT OUTAGE (Y/N) N FORCED REFUEL REFERENCE P2 START

ENTER DATA OR COMPLETE TRANSACTION

7-BK 8-FWD 11-TXT 14-ST HIST/LIST 15-EXIT 16-COMMIT 17-EQP 18-QUIT 19-REP 23-

NUCLEAR FLANT MANAGEMENT INFORMATION SYSTEM 13:30:33 WAINTENANCE WORK ORDER (2 OF 8) NEXT PAGE 2 PRI 30 C MWU# 18906328 00 CNTL# ## 3 REP TASK# 12/04/89 TIME UNIT 1 SYSTEM STATUS 3P WORK TYPE C SUB TYPE M OP HP CH SE EL ME IC EN QC OT SCHO DT
LEAD DISC MAIN RESP FORE TWO CLEAR REQ'D(Y/N) N 3 END DET RESP MAINT IGOP RESP SURV EST WORK DURATH 3.0 PCT COMPLETE
WELD PERMIT REODITINO N 4 RWP REQUITINO N 4 FUNC TESTITION MATE RED'D (TYN) Y COMMENTS GR25-POYOGO W/O PLACED ON HOLD UNTIL AFTER OTG... RESERVE # DC HOLD PTS (Y/N) N QC REVIEW KEN DATE 12/13/89 CRAFT/COMPLETE MECH N ELEC N IAC N HP N CONT N OTHER N TOTALS SLB RESP FOREMAN DATE SCHED START LATE SCHED END EST CREWSIZE .0 .0 6.0 EST MANHOURS EST EXPOSURE ACT MANHOURS' .0 .0 .0 .0 .0 ACT CREWSIZE FROC \$ 20429-C 23999-C WORK RD 3/1/90/SD W/A MICRO COMPUTER BOARD (NQ) LCO (Y/N) H INSTRUCT FOR PART REQUIREMENT. LOOK FOR DAMAGED OR LOOSE CONNECTIONS AND EITHER REPLACE OR TIGHTEN THEM TO RESTORE DATA LINKS TO PROPER OPERABILITY, MHG 12/13/89 WORK THIS MWO EITH 18906133. CONTR

ENTER DATA OR COMPLETE TRANSACTION

PF7-BACK PF8-FWD PF11-CNT TXT PF14-RESERVE LIST PF15-EXIT PF16-COMMIT FF19-CUI

NP1000DM

NETT SMG NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM MAINTENANCE WORK ORDER (3 OF 8)

03/27 13:308

CONT

NEXT PAGE 3

FUNC C MWO# 18906328 00 CNTL# ## 3 REF TASK# DATE 12/04/89 TIME UNIT 1 SYSTEM STATUS 3P WORK TYPE C SUB TYPE

INITIATION REVIEW

OPS JMK DATE 12/15/89 MNT MHG DATE 12/15/89 HP HMB DATE 12/13/89 ENG WEN DATE 13213/89 SMI/MER 4 90001508

SPECIAL REVIEW REOD(Y/N) N SIGNATURE

SPO KEY REUD COMM

DATE RELEASED FOR WORK 12/16/89 SIGNATURE SC HART

DATE ACTUAL REGIN DATE ACTUAL END

BUE DATE ACT WORK *- EARLY START DATE

L. TEST END DATE

FERF MED CHECKED CABLES INCORMIBY? AND INCORM BYB & COMMUNICATION CONSOLE AND ERF COMPUTER, RE-TIGHTENED CONNECTIONS, NO PHYSICAL DAMAGE NOTED. CHECKED CABLES INCORPACKE AND INCORPACKE & MINI COMPUTER AND ERF

COMUTER, RETIGHTEMED CONNECTIONS, NO PHYSICAL DAMAGE NOTED, MAINTAINED ZONE IV CLEANLINESS. CW 1/11/90

PROC. 20424-C USED WHEN CONNECTORS CHECKED. VERIFIED ZONE IV CLEANLI-

NESS WAS MAINTAINED, RAH 1/11/90.

CHECKED SIGNAL WITH PROTOCOL ANALYZER (IC\$40 H/P 18173A) AT ERF 232 FOREMEN

HIST SUMMARY

PERSON PERFORMING WORK

MAINT FOREMAN

DATE COMPLETED REVIEW DATE

CORRECTIVE ACTION CODES

ENTER DATA OR COMPLETE TRANSACTION

PET-BACK PES-FWD FF11-CONT TEXT PF14-CHECKLIST PF15-EXIT PF16-COMMIT PF18-QUITE

NUCLEAR PLANT MANAGEMENT INFORMATION SYSTEM MAINTENANCE WORK ORDER CONTINUATION

13 30 32

COMMENT TYPE PERFORMED PAGE OF LINE CONNECTOR TEST PORT IN PNL 12701C5CF1 (ERF COMPUTER) FOUND THE ERF COMPUTER POLLING FOR DATA WITH NO RESPONSE DATA COMMINGERUM THE COMMUNICATION CONSOLE. ALSO CHECKED THE SINSAL IN PML (160905R1 (COM COMSOLE) BETWO EN THE MODERN (BO SHERRAL MI) AND THE ISC LINK MICRO COMPUTE R (SLOT ATRI) FOUND THE SAME SIGNAL AS ABOVE. THIS INDICATE S THAT THE ERF COMPUTER IS OPERATING CORRECTLY AND THE TSC 1 INK MICRO COMPUTER IS INOPERABLE. POWERED B MUX (CON-CONSOL (1) DOWN, REMOVED PCB FROM SLOT A741, CLEANED CONNECTIONS, IN SPECTED, REINSERTED PCB. RESTORED POWER, RESET I MUX AND TRP COMPUTER. FOUND NO CHANGE. UNABLE TO LOCATE TSC LINK MICRO COMPUTER BOARD \$2441828GOD (126A201-10003 VOLUME 4 PAGE 5-1-8) IN NUC OFS WHSE. RETURN TO WIP FOR PARTS LIST. USED 20429-0 TO REMOVE AND RE CONNECT CARLES FROM THE MODERN AND MICRO COMPUTER. USED 224 08-C TO REMOVE AND REPLACE MICRO COMPUTER BOARD. MAINTAINED ZONE IV CLEANLINESS.

NEXT PAGE 01

PF15-EXIT PF18-RETURN TO MWO FILE MAINT PF7-BACK PF8-PAGE

ENTER DATA AND/OR NEXT PAGE, OR FF18

DIESEL GENERATOR MEETING

MARCH 31,1990 SAT. 2:00 pm

WITENDANCE ROSTER

NAME	Tirie	Printe No.	COMPRANY
Herbert L. Beacher		3769/138	
O.H. Chenault	Sr. Engr.	8101-85P(HOP)	ENERCON
MD Hunt	Reactor Inspector	404 331 5353	USNRC
RKK KINDAL	SE ELLE. ELER	8775	NRC
PAUL M KOCUERY	PLANT ENGL SUPV	R 3132	C.P.
Mike Horton	Mgr Eng Sppt	3121/107	GPC
Ken Stoke	S Sr. Plent En	or 3213	3PC
Ken Buri	- St. Project	Engr. 7836	GPC
Mark S. Briney	Is'C Superintendant		GPC
Mine Jones		The state of the s	créc
BUL CAZARUS	3 IT Men	de 3775	USNEC
AL CHATES	115 men	ther 3775	CONEC
Paul Dietz	IIT Men	nber	INPO