Varsel Dale 10/3/88

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Vogtle Electric Generating Plant NUCLEAR OPERATIONS



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Revision	No	9		
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Unit COMMON

Georgia Power

CONDUCT OF OPERATIONS VOID

PURPOSE

This procedure establishes the responsibilities of Operations Department personnel and provides administrative instructions for daily conduct of plant operations.

2.0 ORGANIZATION AND RESPONSIBILITIES

Figure 1 gives a basic organization chart for the Operations Department. Specific responsibilities, duties and reporting relationships are as follows.

2.1 MANAGER OPERATIONS

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The Manager Operations is responsible for the overall management of the Operations Department to ensure safe and efficient operation of Plant Vogtle. Specific dutics and reporting relationships are described in Plant Administrative Procedure 00001-C, "Plant Organization And Managerial Staff Responsibilities".

2.2 DEPUTY MANAGER OPERATIONS

The Deputy Manager Operations reports to the Manager Operations. He acts for the Manager Operations in his absence, and retains signature authority for Manager Operations at all times. He assists with management for safe and efficient plant operations.

2.3 OPERATIONS SUPERINTENDENT (SHIFT OPERATIONS)

The Operations Superintendent (Shift Operations) reports to the Manager Operations/Deputy Manager Operations. He has the following duties and responsibilities:

Cart Are

- a. Directs the safe and efficient plant operation,
- Ensures plant operations are conducted in accordance with the Technical Specifications and approved procedures,

 c. Conducts routine administration and scheduling of operations shift activities, and coordinates thes activities with the other plant departments, when necessary. d. Serves on the Plant Review Board when designated, e. Performs appropriate reviews of the equipment clearance logs to ensure compliance with Plant Administrative Procedure 00304-C, "Equipment Clearance And Tagging". f. Provides operations input to the plant Work Planning Group. g. Provides operations input to outage work schedules. h. May function as Manager Operations when specifically designated. 2.4 ON-SHIFT OPERATIONS SUPERVISOR The On-Shift Operations Supervisor (OSOS) reports to the Operations Superintendent (Shift Operations). The OSOS is the senior operations representative on each shift and is responsible for the safe and efficient operation of the plant. He has the following duties ar responsibilities. a. Functions as senior management representative for plant operations on shift. b. Has authority and responsibility to declare emergencies in Accordance with the VEGP Emergenc Plan. Also, the OSOS functions as site Emergence Director until relieved by a higher ranking manager. c. Ensures that pl at operations are conducted in accordance with 10004-C, "Logkeeping". e. Ensures schift relief is conducted in accordance with 10004-C, "Shift Relief". 	VEGP	10000-C	REVISION 9	PAGE NO. 2 OF 26					
 d. Serves on the Plant Review Board when designated, e. Performs appropriate reviews of the equipment clearance logs to ensure compliance with Plant Administrative Procedure 00304-C, "Equipment Clearance And Tagging". f. Provides operations input to the plant Work Planning Group, g. Provides operations input to outage work schedules, h. May function as Manager Operations when specifically designated. 2.4 ON-SHIFT OPERATIONS SUPERVISOR The On-Shift Operations Supervisor (OSOS) reports to the Operations Superintendent (Shift Operations). The OSOS is the senior operations representative on each shift and is responsible for the safe and efficient operations on shift. b. Has authority and responsibility to declare emergencies in Accordance with the VEGP Emergenc Plan. Also, the OSOS functions as site Emergence VID and Stream of the Technical Specifications and approved procedures. d. Reviews operations narrative logs and round shee in accordance with 10004-C, "Logkeeping", e. Ensures shift relief is conducted in accordance with 10004-C, "Shift Relief", f. Ensures standing orders and night orders are 		c. Conducts routine administration and scheduling operations shift activities, and coordinates to activities with the other plant departments, to necessary,							
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 d. Reviews operations narrative logs and round shee in accordance with 10001-C, "Logkeeping", e. Ensures shift relief is conducted in accordance with 10004-C, "Shift Relief", f. Ensures standing orders and night orders are 		c. Ens acc ap;	oures that plat operation ordance with the Technic proved procedures,	lons are conducted in loal Specifications and					
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f. Ensures standing orders and night orders are		e. En wit	sures shift relief is control to the state of the second s	onducted in accordance ef",					
carried out,		f. Eni	sures standing orders and rried out,	nd night orders are					

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	g. Ensures that the shift is properly manned, the Fire Team constituted and team captain designate in accordance with 10003-C, "Manning The Shift",								
	h. Ensu	 h. Ensures appropriate notifications of reportable occurrences are performed. i. Maintains a broad perspective of operational conditions affecting the safety of the plant matter of highest priority at all times, 							
	i. Main cond matt								
	Does that requ tran tota dist requ	Does not become involved in any single operations at that distracts him when multiple operations at required in the Control Room. During plant transients or an emergency he should not becom totally involved in any single operation that distracts him from the rest of the operations							
	k. Ensures that shift activities are condu a manner that keeps personnel radiation as low as reasonable achievable,								
	1. Ensu admi 0000	res temporar nistered on 2, "Temporar	y procedure shift in a y Changes	e changes ar ccordance wi To Procedure	e properly th s",				
	m. Touz cond moni	s plant area ition of the toring round	s on a rou plant and s performant	tine basis, equipment, nce.	noting and				
2.5	SHIFT SUPERVISOR								
	One Unit operating the safe The USS(s specific	Shift Superv unit on eac and efficien) reports to duties and r	visor (USS) th shift. I the operation the OSOS responsibil	is assigned He is respon ns of the as and has the ities:	to each sible for signed unit. following				
	a. Ensu acco appr	res that unit ordance with oved procedu	perationical ire	ns are condu Specificatio	acted in ons and				
	b. Dire	cts reactor	to be shut	down when:					
	(1)	Safety of t	he reactor	is in jeops	ardy, or				
	(2)	Operating presetor pro automatic z	erameters tection sy reactor tri	exceed any of stem trip so p does not o	of the stpoints and occur, or				
	(3)	Personnel d	or equipmen	t safety rec	quire it, or				

(4) Unusual circumstances warrant it.

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	c. 1)irects oper unit from the qualified li	ational activi e Control Room censed SRO,	ties of the assigned unless relieved by a
	d.	Authorizes m to be perfor plant condit activities. determines o service,	aintenance and med on the ass ions are suita Maintains sta perability of	for testing activities igned unit, and ensures ble for performing such tus of equipment, and equipment upon return to
	е.	Issues equip control of t Administrati Clearance An	ment clearsice ags in accorda ve 00304-C, "E id Tagging",	s and ensures proper nce with Plant quipment
	ţ.	Ensures prop lifted wires in accordanc Jumper And I "Annunciator	er control of , and pulled a ce with 30306-C .ifted Wire Con Status Contro	temporary 'umpers, nnunciato: cards , "Tempo ary trol", and 10018-C, 1",
	g .	Explains pla to shift ope or unusual a	ans, procedures erating personr activities,	, and safety precautiona el prior to infrequent
	h.	Ensures shi: with 10004-0	ft relief is co C, "Shift Relie	nducted in accordance of",
	1.	Maintains th and adminis 10001-C, "L	he Shift Superv ters logkeeping ogkeeping",	visor narrative log in accordance with
	1.	Supervises positions of	operators assi; n the unit,	gned to specific shift
	k.	Maintains o orderly con practices b	perating work dition, and en y operators as	spaces in a clean and sures good housekeeping signed to the unit,
	1.	Conducts pe on-shift, e appropriate accident re when needed	riodic safety nforces safe p protective eq ports, and obt	meetings for operators ractices, ensures uipment is used, prepare ains medical attention,
	tn.	Limits acce with Proced And Personr	as to the Cont lure 00301-C, " nel Conduct",	rol Room in accordance Main Control Room Access
	n.	Tours plant condition of	areas on a ro	utine basis, noting d equipment, and

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2.6	SUPPORT S	HIFT SUPERVISOR			
	The Suppo He provid the USS. but are n	rt Shift Supervisor (les technical and admi Specific duties and not limited to:	SSS) reports to the OSOS. nistrative assistance to responsibilities include		
	a. Coor USS	dinates clearance and	I tagging review for the		
	b. Coor oper Key	rdinates control of ke ration per Procedure (Control",	eys required for plant 00008-C, "Plant Lock And		
	c. Per car	forms maintenance work d reviews for the USS	k order and deficiency		
	d. Supervises shift operators common to the plant, or who are not assigned a specific shift position.				
	 Assists the OSOS in implementing work scheduled per the Plan-of-the-Day, and provides input to the POD work process, 				
	f. May OSC	servo as Fire Team L S,	eader if designated by the		
	g. Tou con mor	irs plant areas on a r dition of the plant a nitoring rounds perfor	outine basis, noting and equipment and mance.		
2.7	REACTOR	OPERATOR			
	The Read the lice and rela duties	ctor Operator (RO) rep ensed operator assigned ated controls from the and responsibilities	ports to the USS. He is ed to operate the reactor e Control Room. Specific include:		
	a. Ma sh	intains the unit in a utting down the react	safe condition, including or when:		
	(1) Safety of the reac	tor is in jeopardy,		
	(2) Operating paramete reactor protection automatic shutdown	rs exceed any of the circuit set points and does not occur,		
	(3) Required to protec	t personnel and equipment		
	(4) Unusual circumstar	nces warrant it.		

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	b.	Initiates immediate actions necessary to maintain the unit in a safe condition during abnormal and emergency operations,
	с.	Performs shift operations and surveillance testing in accordance with approved procedures, standing orders, and the Technical Specifications,
	ð.	Exercises continuous surveillance of unit conditions and system parameters. Remains in the "at the controls" area unless properly relieved. "At the controls" is defined in 10003-C, "Manning The Shift",
	е.	Instructs the Balance of Plant Operator and the plant equipment operators to perform prescribed plant operations,
	f.	Manipulates the controls and equipment to start up, operate, and snut down the unit as required by operating schedules and load demand,
	g.	Maintains the Unit Control Log and completes round sheets for his position. Maintains recorder charts for his work station,
	h.	Promptly notifies the USS of unusual conditions,
	1.	Remains alert and knowledgeable of all unit operations in progress that involve the functioning of equipment controlled from the Main Control Room,
	1.	functions as a team member during initiation of the Site Emergency Plan,
	k.	Coordinates startup and shutdown operations of the nuclear reactor, turbine generator and auxiliary equipment,
	1.	Responds to the system operator requests at the direction of the USS.

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2.8	BALANCE OF PLANT OPERATOR					
	The Balance of Plant Operator (BOP) is a second licensed operator assigned to each unit. He reports to the USS. He normally operates balance of plant equipment and controls. Specific duties and responsibilities include:					
	a. Maintains the unit in a safe condition, including shutting down the reactor when:					
	(1) Safety of the reactor is in jeopardy,					
	(2) Operating parameters exceed any of the reactor protection circuit set points and sutomatic shutdown does not occur,					
	(3) Required to protect personnel and equipment, or					
	(4) Unusual circumstances warrant it,					
	 Initiates the immediate actions necessary to maintain the unit in a safe condition during abnormal or emergency operations, 					
	c. Performs shift operations and surveillance testing in accordance with approved procedures, standing orders, and Technical Specifications,					
	 Exercises continuous surveillance of unit conditions and system parameters, 					
	Receives instruction from the Reactor Operator,					
	f. Completes check lists for his position, maintains recorder charts for his work station, and assists the Reactor Operator in maintaining the Unit Control Log,					
	g. Promptly notifies the USS of unusual conditions,					
	h. Remains alert to and knowledgeable of all unit operations in progress that involve the functioning of equipment under his control,					
	 Functions as a team member during initiation of the Site Emergency Plan, 					
	j. Maintains the Control Room in a clean and orderly					

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	k. Dire requ	ects activities of Pla sired,	ant Equipment Operators as
	1. Reli	leves the RO when auth	horized by the USS,
	u. Nori peri plan	mally remains in the (forming necessary dut) nt.	Control Room unless ies elsewhere in the
2.9	SHIFT TE	CHNICAL ADVISOR	
	The Shift expertise plant st	t Technical Advisor (e during operational atus and assist in im	STA) provides engineering emergencies to assess plementing EOPs.
	An STA i holús a science. STA func	s not required on shi bachelors degree in e The SSS may also be tion, if qualified.	ft if the OSOS or a USS ngineering or a related designated to perform the
	If an ST to the O	A is assigned on shif	t, he ci she will report
2.10	PLANT EQ	UIPMENT OPERATORS	
	There wi (PEO) or Operator Outside Operator	11 normally be four H shift for each units (TO), an Auxiliary H Area Operator (OAO) a (CBO).	Plant Equipment Operators A Turbine Building Building Operator (AO), an and a Control Building
	The PEOs direction response	s report to the USS, 1 on from the RO or BOP ibilities include:	but may also receive . Specific duties and
	e. Per equ	rforms rounds to ensu uipment in assigned w	re proper operation of ork area,
	b. Ex US	ecutes routine shift S,	duties as directed by the
	c. Ren cl ren	moves equipment from earance orders; resto move clearances as di	service and execute re equipment to service an rected by the USS,
	d. Ma	intains clean and ord	erly work area,
	e. Ac OS	ts as Fire Team membe OS.	er when designated by the

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2.11	PADWASTE (OPERATOR		
	The Radwar and admin ducies and	ste Operator i istratively to d responsibil:	reports fun o a Radwast ities inclu	ctionally to the USS te Foreman. Specific ide:
	a. Oper appr	ates Radwaste oved procedur	Systems in es and Star	accordance with nding Orders,
	b. Main	tains round s	heets and 1	logs for his position,
	c. Exec Radw	utes routine aste Foreman	shift dutie or USS,	es as directed by the
	d. Main	tains clear	nd orderly	work area,
	e. Acts OSOS	as Fire Team	member who	en designated by the
2.12	OPERATION	SUPERINTEND	ENT (SUPPO	RT)
	The Opera Manager C the follo	ations Superin Operations/De- owing dutin	tendent (Souty Manage	upport) reports to the r Operations. He has ibilities:
	a. Super	ervises the procedu	reparation tres,	and review of plant
	b. Prov deve qua	vides input to elopment and o lification of	o the Train conduct of Operations	ing Department for craining and Department personnel,
	c. Dev shi lis	elops and main ft schedules, ts,	ntains pers vacation s	sonnel records such as schedules, and seniorit
	d. Ser	ves on the Pl	ant Review	Board when designated,
	e. May spe	function as cifically des	Manager Ope ignated.	erations when

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2.13	OPERATION	S SUPELVICOR (ENGINE	ERING)	and a second
	The Opera Operation following	tions Supervisor (En Superintendent (Su duties and responsi	gineering) re pport) and he bilities:	ejorts to the a. the
	a. Coor Prog (wit	dinates Operational Nam activities perta Th Nuclear Safety and	Experience A ining to plan Compliance	ssessment nt operation Section),
	b. Mair Abno accu	ntains Emergency Oper ormal Operating Proce orate.	acing Proced dures curren	ures and t and
	c. Rev rev	iews plant design cha isions to operating p	inges to ensu procedures wh	re timely en necessary,
	d. Pro the	vides technical and a Operations Superinte	administrativ endents,	e support to
	e. Sup Req "Op	ervises administratio uired Reading Book po erations Reading Book	on of the Ope er Procedure ks",	10017-C,
	f. Ser	ves on the Plant Rev	iew Board whe	designated.
2.14	OPERATIO	NS SUPERVISOR (TRAIN	ING COORDINAT	(OR)
	Operatio the Oper followin	ns Supervisor (Train ations Superintenden g dooles and respons	ing Coordinat t (Support) a ibilities:	tor) reports to and has the
	a. Ass ski pos	ures that each appli lls to competently p ition,	cant has the erform the a	knowledge and ssigned
	b. hor Ope	nitors on-the-job-tra erations Department t	ining (OJT) training need	performance and s,
	c. Pri Tra	imarily and routinely aining Department,	interfaces	with the
	d. Ma: do	intains Training Qual cuments,	lification Ch	ecklist and OJ
	e. Ob	tains and distributes	s training ma	terial,
	f. At De ap	tends training course velopment Program" wi pointed to the posit:	e IN-001, "In ithin one yes ion,	structor ir of being
	g. Es Op	tablishes and mainta erations Department (ins a list of OJT Trainers,	f approved /Evaluators,
	h. Se	rves on the Operatio	ns Training (Committee.

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2.15	SHIFT SUP	PERVISOR (TRA	INING COOP	DINATOR)		
	The Shift the Opera has the S	: Supervisor ations Superv following dut	(Training isor (Trai ies:	Coordinator) Ining Coordin	reports to ator) and	
	a. Coor tra	rdinates and ining,	scheililes	evaluations	and	
	b. Per	forms evaluat	ions and	training,		
	c. Att Dev app	ends training elopment Prog ointed to the	course I ram" with position	N-001, "Instr in one year o	ructor of being	
	d. Ide pro man	ntifies area vides feedbac agement.	of candid k to Trai	ate's deficion ning and open	encie: «no rationu	
2.16	OPERATIONS SUPERINTENDENT (WAST, 1/ AGEMENT)					
	The Oper reports Operation response	ations Superi to the Manage ons. He has to Ibilities:	intendent er Operati the follow	(Waste Manag ons/Deputy M ving luties a	ement) anager nd	
	a. Pla gas coo dej	ans and direct serves radioac ordinates the partments at	ts process tive wast se activit mecessary	sing of liqui processing, ties with oth	d, solid, and and er plant	
	b. En ac ap	sures radwast cordance with proved proced	e operati state an ures,	ons are condu d federæl reg	ucted in gulations, and	
	c. Tr co to	acks and tren ordinates wat ensure effic	ds water er manage ient and	usage in the ment activit: safe operation	plant, and les plant wide ons,	
	d. Se	rves on the P	lant Revi	ew Board when	n designated.	

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2.17	KADWASTE	UPERVISOR			
	The Radwa Superinter following	ste Supervi dent (Wast duties and	sor reports e Managemen responsibi	to the Oper t). He has lities:	ations the
	a. Super radi these neces	rvises Oper Dactive was e activitie ssary,	ations Depa tes process s with othe	rtment liqui ing, and coo r plant depa	d rdinates rtments as
	b. Condu radw	ucts routin aste person	e administr nel,	ation and sc	heduling of
	c. Advi for pers	ses the Tra developing onnel,	ining Depar and conduct	tment on req ing training	uirements of radwaste
	d. Ensu in a and	res liquid ccordance w approved pr	radwaste op itn stat~ a ocedures.	erations are nd federal r	conducted egulations,
2.18	RADWASTE	FOREMAN			
	The Radwa Superviso responsib	ste Foreman r. He has ilities:	reports to the followi	the Radwast	e id
	a. Dire	cts the act	ivities of	the Radwaste	Operators,
	b. Coor	dinates and	schedules	radwaste act	ivities,
	c. Revi	ews Radwast	e Operator	logs,	
	d. Init cond and	iates corre itions and the USS,	ctive actic notifies th	ns for out-c e Radwaste S	f-limit upervisor
	e. Coor Phys	dinates and ics and Mai	schedules ntenance su	Chemistry, H	lealth
	f. Cond Prog	ucts the Ra ram,	dwaste Oper	ator Qualifi	cation

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2.10	BABULETE LABORATORY CUREDULEAR
2.19	RADWASIE LABORATORY SUPERVISOR
	The Radwaste Laboratory Supervisor reports to the Operations Superintendent (Waste Management). He has the following dutics:
	 Supervises solid radwaste processing and coordinates this activity with other departments,
	 Fraures solid radvaste processing operations are conducted in accordance with federal and state regulations and approved procedures,
	c. Maintains the Process Control Program and burial and shipping contracts.
2.20	OPERATIONS SUPERINTENDENT (STARTUP)
	The Operations Superintendent (Startup) reports to the Manager Operations/Deputy Manager Operations. He has the following duties and responsibilities:
	 Directs operations activities to support construction and preoperational testing of Unit 2
	 Plans for safe and efficient transition of Unit 2 from the preoperational to commercial operations status,
	c. Serves on the Test Review Board when designated.
3.0	SHIFT OPERATIONS
3.1	SHIFT COMPLEMENT
	The OSOS shall ensure that the operating shift is properly manned, in accordance with Procedure 10003-C, "Manning The Shift".
3.2	SHIFT WORK HOURS
3.2.1	Shift Hours
	The shifts will be conducted on a 24-hour clock system using Central Standard Time (or Central Daylight Savings Time). Specific shift schedules will be poste by the Operations Superintendent (Shift Operations).
3.2.2	Overtime
	Overtime should not be routinely scheduled to meet the shift crew staffing requirements. In the event that overtime must be used, the overtime restrictions of Procedure 00005-C, "Overtime Authorization", will be

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to same

 3.2.3 Notification of Absences Anyone expecting to be late or unable to report for shift duty at the scheduled time shall, at the earlies possible time, inform the OSOS or USS. 3.2.4 Call Out Authority The OSOS is authorized to call out anyone required for the safe plant operation, per Plant Administrative Procedure 00006-C, "Recall Of Jff Duty Personnel". 3.3 GENERAL WORK PRACTICES All personnel assigned to shift operations shall: a. We aware that the primary responsibility of the operating shift is to assure the safe operation of the plant under all conditions. b. Protect plant personnel, the health and safety of the public and plant equipment. c. Conduct major plant operations in *ccordance with approved written procedures. d. Be attentive to the condition of the plant at all times. They must be alart to ensure that the plant is operating safely and take action to prevent any progress toward a condition chat migh be unsafe. e. Believe and respond to instrument indications until they are proven to be incorrect. f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 	PROCEDURE NO VEGP	10000-C	REVISION	9	PAGE NO. 14 of 26
 Anyone expecting to be late or unable to report for shift duty at the scheduled time shall, at the earlies possible time, inform the OSOS or USS. 3.2.4 Call Out Authority The OSOS is authorized to call out anyone required for the safe plant operation, per Plant Administrative Procedure 00006-C, "Recall Of off Duty Personnel". 3.3 GENERAL WORK FRACTICES All personnel assigned to shift operations shall: a. Be aware that the primary responsibility of the operating shift is to assure the safe operation o the plant under all conditions. b. Protect plant personnel, the health and safety of the public and plant equipment. c. Conduct major plant operations in accordance with approved written procedures. d. Be attentive to the condition of the plant at all times. They must be alert to ensure that the plant is operating safely and take action to prevent any progress toward a condition chat migh be unsafe. e. Believe and respond to instrument indications until they are proven to be incorrect. f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 	3.2.3	Notificat	ion of Abs	ences	
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 All personnel assigned to shift operations shall: a. Se aware that the primary responsibility of the operating shift is to assure the safe operation o the plant under sll conditions. b. Protect plant personnel, the health and safety of the public and plant equipment. c. Conduct major plant operations in «ccordence with approved written procedures. d. Be attentive to the condition of the plant at all times. They must be alert to ensure that the plant is operating safely and take action to prevent any progress toward a condition chat migh be unsafe. e. Believe and respond to instrument indications until they are proven to be incorrect. f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 	3.3	GENERAL V	NORK PRACTI	CES	
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 c. Conduct major plant operations in *ccordance with approved written procedures, d. Be attentive to the condition of the plant at all times. They must be alert to ensure that the plant is operating safely and take action to prevent any progress toward a condition chat migh be unsafe, e. Believe and respond to instrument indications until they are proven to be incorrect, f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 		b. Prot the	tect plant public and	personnel, plant equi	the health and safety of pment,
 d. Be attentive to the condition of the plant at all times. They must be alert to ensure that the plant is operating safely and take action to prevent any progress toward a condition that migh be unsafe. e. Believe and respond to instrument indications until they are proven to be incorrect. f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 		c. Con app:	duct major roved writt	plant opera en procedur	tions in «ccordence with es,
 Believe and respond to instrument indications until they are proven to be incorrect. f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure. 		d. Be tim plan pre	attentive t es. They m nt is opera vent any pr unsafe,	o the condi ust be aler ting safely ogress towa	tion of the plant at all t to ensure that the and take action to rd a condition that migh
f. Not bypass, reset bypasses, defeat safety systems or interlocks or remove Category 1, 2, or 3 instrument channels from service, unless allowed to do so by an approved procedure.		e. Bel unt	ieve and re il they are	spoud to in proven to	strument indications be incorrect,
		f. Not or ins to	bypass, re interlocks trument cha do so by an	set bypasse or remove C nnels from approved p	s, defeat safety systems ategory 1, 2, or 3 service, unless allowed rocedure.

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3.3.1	Shift Con	duct			
3.3.1.1	Each memb profession activitie area. Ac listening material, complemen operation	er of the s nal manner. s shall not tivities pr to music, and horsep t's attenti of the pla	hift crew s Fatential be conduct ohibited in hobbies, n lay. The fu on shall be nt.	hall perform ly distract: ed in the Co clude loiter on job-relar ll focus of the safe an	n in a ing ontrol Room ring, ted reading the shift nd efficient
3.3.1.2	Operation responsib includes performan could aff	s personnel le for the supervisors ce of perso ect plant s	on shift m plant statu being resp nnel assign afety.	ust be award s at all tim onsible for ed to their	s of and mes. This the shift who
3.3.1.3	All Opera remain wi Operators instrumen areas. T proper a facility.	tions perso thin their are respon tation and hey are res tions to en	onnel on shi work areas sible for m controls lo ponsible fo sure safe o	ft must be a until proper onitoring th cated within r taking tin peration of	alert and rly relieved. he h their work hely and the
3.3.1.4	Controls level of licensed	that direct a reactor s operators,	ly affect t hall only b except for	he reactivi e manipulato training pu	ty or power ed by rposes.
3.3.1.5	Mechanism indirectl reactor s prior con	s and appar y affect th hall only b sent of a l	atus, other ne power lev be operated licensed ope	than contro el or react with the kn rator.	ols, that may ivity of a owledge and
3.3.2	Abnorma1	Indications			
	The OSOS, responsib plant ope action is circumsta such situ consider be true u abnormal determine initiate	USS, and H ility to po- rations or warranted nces, or un ations, shi instrument inless they indications the cause appropriate	NO, and BOP erform the to to shutdown by unit com nidentified lft operation readings and are proven a occur, ope of the about corrective	have the au asks necess the unit w diticns, un events. Wh g personnel d control i to be incor rations per ormal indica action.	thority and ary to limit hen such usual en analyzing shall ndications to rect. When sonnel shall tion and

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3.3.3	Instrumen	t Setpointe			
	Shift ope instrumen available required shall be Superviso	rating pers t control of on the cor during rout entered in r's Log.	onnel shall or alarm set itrol consol ine operati the Unit Co	l not manipul points, othe le or those n lon. Setpoin ontrol Log or	ate r than those ormally t changes the Shift
	Anyone pe operation Control R	rforming a or a Contr com operato	function the	hat may affec dication shal initiating th	t a unit's 1 notify the e function.
3.3.4	Control R	oom Access			
	Control R business Procedure Personnel	oom access only in o 00301-C Conduct".	shall be l ordance wi Main Contro	imited to off th Plant Admi ol Room Acces	ficial nistrative s And
3.3.5	Generator	Load Char	ges		
	Normally requested OSOS, and orders pe the reque requested condition shall be load and	generator by the Syn if plant rmit, the st. The R load chan s require notified a rate of ch	load change stem Operating co Reactor Ope O shall inf ge is compl a load chan s soon as p ange.	s will be mad or. If appro- onditions and rator will co- orm the USS w eted. Wheney ge, the Syste ossible of th	ie as oved by the i operational omply with when the ver plant im Operator ie proposed
	Scheduled Operation and Syste	l outage re as Manager m Operator	quests shal and approve prior to s	l be initiate d by the Game cheduled plan	ed by the eral Manager nt shurdown.
3.3.6	Control F	com Housek	eeping		
	The Contr orderly o operation instrumen performed	tol Room wi condition i ns. Dustin to panels, i by shift	ll be maint n the inter g and clean and compute operating p	ained in c est of site ing of contro r consoles w ersonnel.	lean and and efficien ol consoles, ill be

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NOTIFICAN The OSOS NRC, plan Notifican Friday, n Requirement to the De department Notifican The OSOS Officer a. Rep not 001 Req b. Con Ope c. Uns wit	TION REQUIREMENTS is responsible for the notification of the nt management and staff in special situations. tio required during day shift, Monday thru should be to the Manager Operations. ents occurring at other times should be first uty Officer, who may direct the OSOS to call a nt noterintendent or the General Manager. tion Of Duty Officer shall notify the Manager Operations or Duty if the following occur: ortable Occurrences requiring NRC red phone ification per Plant Administrative Procedure 52-C, "Federal And State Reporting uirements". ditions that require the use of Abnormal rating Procedures.
The OSOS NRC, plan Notificat Friday, r Requirement to the De department Notificat The OSOS Officer a. Rep not 001 Req b. Con Ope c. Uns wit	<pre>is responsible for the notification of the nt management and staff in special situations. tio required during day shift. Monday thru should be to the Manager Operations. ents occurring at other times should be first uty Officer, who may direct the OSOS to call a nt auperintendent or the General Manager. tion Of Duty Officer shall notify the Manager Operations or Duty if the following occur: ortable Occurrences requiring NRC red phone ification per Plant Administrative Procedure 52-C, "Federal And State Reporting uirements". ditions that require the use of Abnormal erating Procedures.</pre>
Notifica The OSOS Officer a. Rep not 001 Req b. Con Ope c. Uns wit	tion Of Duty Officer shall notify the Manager Operations or Duty if the following occur: ortable Occurrences requiring NRC red phone ification per Plant Administrative Procedure 52-C, "Federal And State Reporting uirements". ditions that require the use of Abnormal erating Procedures.
The OSOS Officer a. Rep not 001 Req b. Con Ope c. Uns wit	shall notify the Manager Operations or Duty if the following occur: ortable Occurrences requiring NRC red phone ification per Plant Administrative Procedure 52-C, "Federal And State Reporting uirements", ditions that require the use of Abnormal erating Procedures, ocheduled entry into an LCO action statement
a. Rep not 001 Req b. Con Ope c. Uns wit	ortable Occurrences requiring NRC red phone ification per Plant Administrative Procedure 52-C, "Federal And State Reporting uirements", ditions that require the use of Abnormal erating Procedures, scheduled entry into an LCO action statement
b. Con Ope c. Uns wit	ditions that require the use of Abnormal rating Procedures, accheduled entry into an LCO action statement
c. Uns wit	cheduled entry into an LCO action statement
	th less than 72 hours restoration time,
d. Una suc OSH	innounced inspections by regulatory agencies, th as the NRC (other than resident inspector), NA, State Inspectors, etc.
e. Equ der	ipment failures that could necessitate a rate,
f. Am to	najor failure resulting in structural damage company property.
g. Any	serious personnel injury,
h. Any	v call for offsite assistance,
i. Af	fire with activation of the plant fire team,
j. Ser che	rious environmental problems, such as toxic emical, oil, or hazardous waste spills,
k. Any rea	y "near miss" events that could have resulted actor trip or safety injection,
1. Tec nee tec ade	chnical assistance or management direction is eded for issues of reportability, operability, chnical specification compliance, or procedura equacy.
	e. Equ der f. A m to g. Any h. Any i. A f j. Sen cho k. Any rea 1. Teo neo teo

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3.4.2	NRC Imm	ediate Notif	ication Events		
	The OSO Operation accordant "Federa	S is respons ons Center f nce with Pla I And State	ible for notif or prompt repo nt Administrat Reporting Requ	fication of ortable occ tive Proced uirements".	the NKC urrences in ure 00152-0
3.5	SHIFT R	ELIEF AND EV	OLUTION BRJEFT	INGS	
3.5.1	Each sh profess 10004-C minimum	ift relief s ional manner , "Sift Rel requirement	hall be conduct in accordance ief". The OSC s as he sees t	cted in an with Proc DS may add fit.	orderly, edure to these
3.5.2	Briefin in comp briefin routine	gs shall be lex or unusu g is depende ness, logist	conducted for al evolutions nt on the degr ics, or number	individual The deta ree of comp r of people	s involved il of the lexity, involved.
3.5.3	The ind respons fully u of all require	ividual who ible to adeq nderstand wh the limitati ments.	is to perform wately review at he is doing ons and precau	an activit its proced g, and to b utions and	y is ure, to e cognizan
3.5.4	Evcluti two or large f evoluti the bri	ons involvin more departm ormal briefi on is comple efing sessio	g many individ ents or discip ngs or pre-pl x and involve n should inclu	duals, espe plines, may anning sess s close coo ude:	cially from require ions. If rdination,
	a. A pr	review of th ocedure by k	e appropriate cy parties,	sections o	f the
	b. An in	examination volvement an	of each indi d responsibil	vidual's sp ity,	ecific
	c. A	discussion o	f expected re	sults or pe	rformance,
	d. A	review of li	mitations, ho	ld points,	
	e. A co	review of em ntingencies,	ergency action	n to be tak	en in
	f. Ch in	ecks to ensu terface and	re that every	one underst s required,	ands the
		entification	of individua	1 in charge	of the
	g. Id ev	olution.			

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3.6	SHIFT RECORDS		
	Shift records in recorder charts, generated during	nclude logs, round, computer printan g operations.	d sheets, check lists, uts and other data
3.6.1	Logs		
	Operations narra charts and compu- accordance with "Logkeeping".	ative logs, round ater printouts shouth the provisions o	sheets, recorder all be kept in f 10001-C,
3.6.2	Night Orders and	d Stawing Orders	
	Night Orders and accordance with	d Standing Crders 10002-C, "Plant	are issued in Cperating Orders".
3.6.3	Reactor Trip Rev	view	
	The OSOS shall is accordance with	initiate review o 1000i-C, "Reacto	f reactor trips in r Trip Review".
3.7	KEY CONTROL		
	Keys required for accordance with	or plant operatio 00008-C, "Plant	n are controlled in Lock And Key Control".
3.8	RADIOLOGICAL CON	NTROLS	
3.8.1	Each person on proper radiolog: must be continue of the work he actions to mining generation and	the plant staff i ical practices an ously aware of th is involved in an mize exposure and spread of radioac	s responsible to use d procedures. Everyon e radiological aspects d take appropriate to control the tive contamination.
3.8.2	Refer to 43007-0 Radiation Work 1 radiation and h	C, "Issuance, Use Permit", for cont igh radiation are	And Control Of rol of work in as.
3.9	SAFETY CLEARANCE	E AND TAGGING	
	Clearance and ta safety is condu- "Equipment Clear	agging for person cted in accordanc rance And Tagging	nel and equipment e with 00304-C,

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3.10	EQUIPMENT	RETURN T	D SERVICE	ne on anna A anna a dhinearan			
	Following component condition may be by testing. a surveil is not pe inspection address i	maintenan Operation of that function If the co lance pro- rformed, n should h tems such	nce on or mor ons shall ver system or cor ally testing omponent or s cedure and a a return to s be performed. as the follo	dification to rify the oper oponent. Ver or by survei system is not special funct service funct The inspec owing:	a system or able ification llance covered by tional test ional tion should		
	a. Mechanical coupling,						
	b. Blin	d flanges	installed/re	smoved,			
	c. Electrical connections,						
	d. Area cleanliness,						
	e. Valve alignment,						
	f. Prop	er lubrica	ation,				
	g. Syst	em integr	ity,				
	h. Func	tion of re	emotely operation	ated valves.			
3.11	TECHNICAL	SPECIFIC	ATION INTERP	ETATIONS			
3.11.1	Technical Specification interpretations may be made using Figure 3 as follows:						
	a. Imme	diate Need	d				
	The	requestor viduals:	will contact	one of the	below listed		
	(1)	On-Shift	Operations S	Supervisor,			
	(2)	Manager (Operations,				
	(3)	Operation	ns Superinter	ndent (Shift	Operations),		
	(4)	Deputy Ma	anager Operat	ions.			
	The foll requ	interpret owed up by est form.	ation will be y the interpr	e given verba reter with a	ully, written		

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	b. Norm	al Need	Fills in the	first two portions	of		
	the Oper appr dist Tech book	requestor request fo ations. A oved by Op ributed en nical Spec will be m	rm and forwar fter interpre erations Man d the origin ification In- wintained in	ds it to the Managetation is made and gement, copies are il is placed in the erpretation Book. the Control Room a	er This		
4.0	PLANT OPE	PLANT OPERATING PROCEDURES					
4.1	PROCEDURE	COMPLIANC	S.				
4.1.1	Operating procedure Performin	personnel s as direc g Procedur	will follow ted by 00054 es".	approved plant C, "Rules For			
/.1.2	In emerge take such injury an a stable, safety of	ncies, Ope action as d damage t safe cond the gener	rations pers is necessar o the plant; lition; and t al public an	onnel are directed y to minimize perso to return the plar o protect the healt d personnel on aite	to onnel it to th and a.		
4.1.3	In emerge that depa Specifica protect t consisten Specifica protectio	ncies, per rts from a tion when he public t with lic tions that on is immed	sonnel may to license con this action health and s cense conditi can provide dately appare	ake reasonable acts dition or a Technic is immediately need afety and no action ons and Technical adequate or equive nt.	lon sal ded to n		
4.1.4	Personnel approved, prior to	action pe as a mini taking the	ermitted by P lmum, by a li e action.	aragraph 4.1.3 sha censed Senior Opera	ll be ator		
4.2	PROCEDURE	IMPLEMENT	NOITAT				
4.2.1	Procedure operation procedure signoffs. frequent of a proc familiar the proce actions of memory.	Procedures for other than simple, frequently performed operations shall be followed step-by-step with the procedure present. Many procedures will require signoffs. Routine procedural actions that are frequently performed may not necessitate the presence of a procedure. If the operator is not completely familiar with the procedural action to be performed, the procedure must be present. Immediate operator actions of emergency procedures shall be committed to memory.					
4.2.2	Independe do not ha 11879-C. Sheet".	ent Verifi ave signof "Independ	cations requi f spaces shal ent Verificat	red by procedures 1 be documented us ion Documentation	which ing Log		

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4.2.3	If an evol time, revo required.	lution is s erificatior	uspended for of the initi	an extended period of al conditions is
4.3	SYSTEM LI	NEUPS AND S	YSTEM STATUS	FILE
	System lit equipment system is contains partial 1 collective system.	neups estal and system maintained the most re ineups perf ely reflect	olish and conf ns. The curre i in a system scent complete formed subsequ t the current	firm the status of ent lineup for each status file. The file lineup and those sently which status of the entire
4.3.1	Complete unit oper performed boundarie directed also perf procedure Superinte lineups m	system line ating proce on portion s, after c by the Shi ormed on por revisions ndent (Shi ay be perfe	eups are perfo edures. Partins of systems learances are ft Supervisor. ortions of systems when directed ft Operations) ormed when directed	ormed as directed in la' lineups are inside clearance released, when Partial lineups are stems affected by d by the Operations D. Complete or partial rected by the USS.
4.3.2	Lineups s Lineup pr	hould be po ocedure un	erformed in se less otherwise	equence identified in e directed by the USS.
4.3.3	The opera component and initi otherwise to be as by ensuri available obstructi	tor shall with the al in the , he shall required. ng that po to the va ons that c	compare the position requisives provide reposition and control valves wer or air, and lve operator a could prevent of the control valves operator a could prevent of the control valves operator operato	osition of the ired on the alignment, ed. Unless instructed ny component found no e position is verific. s appropriate, is and that no physical operation are apparent.
4.3.4	All compo required alignment shall be	enents left shall be n procedure entered.	in other than oted on the co and the reas	n the condition comments section of each on for the exception
4.3.5	Independe	nt positio e with 003	n verification 08-C, "Independent	n shall be performed in ndent Verification

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- 4.3.6 The USS or SSS shall review the completed system lineup for completeness and to ensure exceptions do not warrant further corrective action. The original lineup is placed in the system status file. Superceded lineups are forwarded to Document Control. Care must be taken when removing lineups from the file to ensure that the file reflects the current status of the systems (e.g., partial lineups can supercede only partial lineups on the same components; partial lineups can only supercede complete lineups if, collectively, they constitute a complete lineup.)
- 4.4 SURVEILLANCE TESTING
- 4.4.1 Operations Surveillance Tests
- 4.4.1.1 T: Operations Department shall perform, document and review operations surveillance tests.
- 4.4.1.2 The approval of the USS shall be obtained before starting each surveillance test. The operator performing the test shall record information as required by the test procedure and initial each step as it is completed. He shall sign and date the procedure upor completion of the test. If a step is not completed the explanation shall be recorded on the procedure. If a test does not meet the specified acceptance criteria, the USS shall be notified and corrective action initiated.
- 4.4.1.3 The OSCS or USS shall review all operations surveillance tests performed on his shift for completeness and accuracy. He shall indicate his review by signing and dating the procedure in the appropriate space.
- 4.4.1.4 Refer to 00404-C. "Surveillance Test Tracking Program" for method of the bing Tech. Spec. surveillance tests during normal constitions.
- 4.4.2 Special Condition of Off-Normal Surveillance Requirements

The USS shall end the 14915-1, "Special Condition Surveillance Loss is or has been initiated as required to comply with Technical Specifications in conditional or off-normal situations.

4.4.3 The USS shall entered 14000-1 "Operations Shift & Daily Surveillance Lo surveillances are started within 2 hours of shift turnover and worked to completion, provided circumstances warrant.

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5.0	REFERENCES		
5.1	FSAR - Cha	pter 13	
5.2	VEGP Techn	ical Specifications	
5.3	PROCEDURES	1	
5.3.1	10001-C,	"Logkeeping"	
5.3.2	10002-C,	"Plant Operating Orders	"
5.3.3	10003-C,	"Manning The Shift"	
5.3.4	10004-C,	"Shift Relief"	
5.3.5	10006-C,	"Reactor Trip Review"	
5.3.6	11879-C,	"Independent Verificati Sheet"	ion Documentation Log
5.3.7	14915-1.	"Special Conditions Sur	rveillance Logs"
5.3.8	00001-C,	"Plant Organization And Responsibilities And	d Managerial Staff Authority"
5.3.9	00004-C,	"Plan' Communications"	
5.3.10	00005-C,	"Overt_me Authorization	n"
5.3.11	00006-C,	"Recall Of Off Duty Pe	rsonnel"
5.3.12	00008-C,	"Plant Lock And Key Co	ntrol"
5.3.13	00054-C.	"Rules For Performing	Procedures"
5.3.14	00152-C,	"Federal And State Rep	orting Requirements"
5.3.15	00304-C,	"Equipment Clearance A	and Tagging"
5.3.16	00308-C,	"Independent Verificat	ion Policy"
5.3.17	00404-C,	"Surveillance Test Pro	gram"
5.3.18	43007-C,	"Issuance, Use And Com Permits"	ntrol Of Radiation Work
5.3.19	91102-C,	"Duties Of The Emergen	ncy Director".

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END OF PROCEDURE TEXT

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VEGP	10000-C	PEVISION 9	PAGE NO	26 of 26
		PLANT VOGTLE UNITS 1 (TECH SPEC INTERFRETAT)	5 2. LON	
TECH SPEC	1:			
QUESTION	OR AREA NEEDI	ING CLARIFICATION:		
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INTERPRE?	TATION :			
Approved	By: Manager	Operations	Date	8
xc: Mar Nuc Eng Pla	les	ons & Compliance Manager port Superintendent & Emergency Prepardnes	s Manager	
Pla Rec	nt Manager quired Reading	g Book		
		FIGURE 2		
3435	*****	ana anananya da na mangga taka manganan karang sasa a sarangi karana karang sasa sa sa	an ang mang at the state of the	