Nuclear Plant Vogtle
Post Office Box 400
Waynesboro, Georgia 30830
Telephone 404 724-8114
404 554-9961

2-89

Nuclear Plant Vogtle

Georgia Power

DATE: March 20, 1990

RE: **Site Area Emergency/Alert**
Emergency Follow-Up Report
Log: NOTS-00334

FROM: G. Bockhold, Jr.

TO: Distribution List

The attached is a written follow-up report for the Site Area Emergency/ Alert Emergency which occurred at Vogtle Electric Generating Plant on March 20, 1990.

If you have any questions, please contact R. M. Odom at 404-826-3201.

G Bockhold

TEW:dmh

Attachment

Distribution Attached

8 - HOUR FOLLOW-UP REPORT FOR LOSS OF A.C. POWER CAUSING SITE AREA EMERGENCY

The following is a summary of occurrences and actions taken for the VEGP Site Area Emergency which occurred on March 20, 1990.

At 0820 CST, Unit 2 was at 100% power and Unit 1 was in its second refueling outage (Mode-6). A construction vehicle backed into a support pole damaging an incoming voltage line, resulting in a loss of offsite power.

The Unit 2 Generator tripped sensing a ground fault resulting in a Unit 2 Reactor trip. Unit 2 Diesel Generator (DG) started and essential electrical power was maintained.

At 0840 CST, a Site Area Emergency was declared due to loss of A.C. power for Unit 1 for greater than 15 minutes. Unit 1B DG was out of service for planned maintenance and the Unit 1A DG failed to automatically pick up the electrical buses with loss of offsite power. Non-essential personnel were assembled and accounted for in accordance with emergency operating procedures.

At 0856 CST, the Unit 1 DG started and loaded successfully, restoring power to the unit.

At 0915 CST, the Site Area Emergency was downgraded to an Alert Emergency.

At 1247 CST, the Alert Emergency was terminated when offsite power was restored to onsite electrical buses.

Neither unit sustained any damage. No one was injured, and there was no radioactive release as a result of this event. Further information will be provided at a later date.

DISTRIBUTION:

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xc: Mr. Stewart Ebneter
United States Nuclear Regulatory Commission
Region II
Suite 2900
101 Marietta Street, Northwest
Atlanta, Georgia 30323

Vogtle Met Tower Data

3/20/90

2-89

Time, EST	10-meter Tower Wind Speed mph	Wind Dir., degrees	ΔT, 10-60 meter °F
0830	7.0	320	~~3-22-90 3am 2.6 -2.8~~ -1.8
0845	7.0	325	~~3-22-90 3am -2.6~~ -1.6
0900	7.0	340	-1.9
0915	8.0	340	-1.8
0930	8.0	340	-1.9
0945	9.0	340	-2.0
1000	9.0	350	-2.0
1015	9.0	345	-2.6
1030	11.0	350	-2.2
1045	9.0	340	-3.0
1100	8.0	360	-2.1
1115	10.0	360	-2.0
1130	10.0	340	-1.8
1145	7.0	340	-2.0
1200	8.0	350	-2.4
1215	5.0	340	-3.0
1230	8.0	360	-2.7
1245	9.0	340	-2.6
1300	10.0	330	-3.0
1315	8.0	325	-2.7
1330	8.0	300	-2.6
1345	9.0	330	-2.5
1400	10.0	345	-2.5

(1)

Lee Herr @ 2:00 P
Reeder @ 1:45 P
Team @ 3:00 P

Questions

- Dahlberg

147 Terminated for Emergency

2

No radiation released

- K McCoy — Refueling U #2 about ½ way through
U #2 @ 100% power for now

≅ 9:30 construction truck backed into transmission support tower
Feed U #1 transformer
1 redundant Transformer out of service
1 Diesel out of service

Still have Transformer ← this is the one
Diesel

a) Start, then shut down
b) Retest on 2nd time took 30 minutes
on U #1

Unit 2 —
Transient on #1 caused a generator trip Then unit shut down
Normal trip & shut down

back U #1 on
water from heaters
Heat removal thru system
Thermal shock 100° F start — end 118° F
→ Estimate 24 hrs before problems

Notification — auto dialer did not work with long ring
Took longer than 15 minutes by back up means
→ GA took ≅ 1 hr to notify

Heater (6a) — 15 minute cooling
Bell County ≅ 50-55 to notify
GEMA ≅ 1 hr to notify

Ken Clark - activated Region & HQ
6 inspectors here +1 onsite

→ Now determine what happened

No fuel damage
No release of radioactivity

Q — Is this the 1st time Site Emergency?
A - Yes Criteria met for emergency cond. loss of all onsite & offsite AC power > 15 minutes

Q - Problem with notification
A - Several Systems
ENN - auto-ring down
2 loss of circuit caused problem

Backup circuit - dial up for each person took longer than they like

Q - Why 55 minutes for Burke County
A -

Q - 30 minutes to restore generators
Notification
A - Confirm reactor safely shut down
L go thru events
No speculation
Notification & actions

Q How serious
A - EAL's preventive in nature
L Under SAE

Prepare if a serious event take place

Q 1 hr delay a serious lapse
- Hard to tell right now

Q - 1 person only notified people
A - Planned for round means

Q - Person at SRP on steady ?
A. No report for help

Q - People need around on site
A - accountable
2 assemb in assembly point Parking lot
Crayons inside

Q - Boiler reach shut down
A - Yes

Q - Patient ?
U # 1 April 9th no effect
U # 2 24 hr to restart prolong burning

Q - % of Power
A - 1100 MWe ≈10 %

Q - When is power coming from
A - Reserve

Q - Power loss to Entire Plant?
- only U #1
Diesel not used on #2

Q - Why U #2 trip
- protective relays to prevent damage to Generator

Q - Unit 1 & 2 separate?
A - Switchyard common

Q - How long back to power @ 100%
A - 24 hrs to achieve recriticality +1 day to 100% power

Q - Fire comm
A - Don't think they violated anything

Q - Timelimit for Boiling
A - Up 18° in 36 minutes
Days or Weeks - for ? refueling levels
24 hrs plus to fuel damage

Q Notification to State include residents?
A - 5 calls

Q - What if radiation release
A - State only we need prompt reporting

Q If evac out [illegible] could [illegible]
A - Yes if [illegible]
State of Pa - it just took longer

Q

~~Q~~ · Bucks County 1st
· Then [illegible]
· ~~State of [illegible]~~ Berks County - 10:16A call logged in

Q What is closest school to plant
A No schools within 10 miles

Q Requirement for Site Area
A. Put[illegible] moving [illegible] handicapped people

Q Was that done.
A. By the time they heard it was downgraded

9:56 - NRC notified

Q SAE 9:40 [illegible] the Alert
10:15 downgrade

accident @ 9:20A
9:56A Drill [illegible] [illegible] in [illegible]
10:04 A

Time confusion on [illegible]
1:47 event terminated

25 p End.

6:35 p Warm room critique

water chem - #2

Shutdown any foils

O2 up need to go long cycle clean up

Door E I - same as pre trip

*CP - (5)

~~7-87~~

3/20/98 Keepers into on departure 11:

From 3cc 9 mph

5×10^{-2} m² in unit 2

10^{-4} m² steel wound

From Jim

* Met into 8:40 – 1400

* [illegible] 10:30 [illegible] Permanent

@ 10:46 permanent F [illegible] 68-72°

– EX 10 M[illegible] EPZ

– PA affected by blackout, alarms

– Training

- all people who responded – are they current
- Communicate, lesson plans & attendance sheets

– Backup ENN Electrical Hookup & story

– Accountability

– EVACUATION Time estimates with update

– Control Room (check procedure in CR / TSC

– ERF what was problem

– NO INPO Audits

└ QA audits & NRC reports will get

Requested Trojanowski to notify FEMA of interest in offsite large Communicate for state & Counties & tapes

Procedure verified		2/27/91 TSC
91001	7	✓
91002	15	✓
91102	6	12/19 R
91401	5	✓
91704	8	/

*1. Internal Heat Unit 1
2 [illegible]

Results

Accountability took from 0945 CDT to never completed

Bundle config 12:12A

T&C Procedures verified 91001 Rev 7
Copy CR 91002 15
Copy 64 91102 6
91401 5
91704 8

OK

3/2 Backup ENN

1986 [SC / GA] had TWO sep. notification FORMS

SRP now to write SC
GA P - GP

_____ Both forms and procedures merged into 1

Backup ENN retained as backup

Backup ENN is powered by non 1E source (Security) Diesel
- ENN clutched pump as opposed 3 pumped pump. To one locking device
- No battery back up or panic

On 3/22 @ 3:31 pm I was called by A. Boland RII who was directed by P. Stohr Div Director to tell me not to talk to outside people. R. Trojanowski would do this evaluation through RAC. Determination of importance to report would be made at that time after careful review.

EP (9)

?-2/99 INTERVIEW 2-91

Herb Whitener - R II Reactor Inspector - Test Progr

arrived 8:00A been here about 1 hr
in the shop.
lights dimmed in shop at time
left shop came up here to verify if lights off phone out
* never heard any PA or alarms
went back to maint shops.
then to control room arrived ≅ 10:00A Eastern Time

left Control 10:15
got status from Sweetman and Hopper.
had gotten diesel back & started
walked passed auxiliary guard.
in this bldg people leaving at a rapid pace.

Team meeting 3:30P
FRI
3 RO's
1 SS
2 Unit Supv
3 addtl SRO's
Communicator

Phone still dead

?–10:40? PA announcement – ? leave site ? ?

? went to gate to tell security where ? ?

≅ 10:40 lights back on and called again
then back to control room

* did not know about emergency until he got to CR
did hear steam ? ? to CR between bldgs
≥ ADV

Atmosphere in Control Room – ? Busy but ? ? ?

– No ? lights ? ? this bldg

– No ? ? ? people TSC – talked to ? ? ?

to be ? but never ?
? ? on site @ time of ?

F Location of EOF

EMN

ERF

CP EPIPs

56 Control Room Manager 2.1

Emergency Response Telephone Directory issued date 2/14/90

3/23

Training CR location of EPS
EPN
ERF

Revised CR EPIP's
Control Set 56 " Control Room Manager Set
VEGP Emergency Response Telephone Directory revised date 2/14/90

			CR	5-28/90
	91001-C	7	✓	P.50A
	91002-C	15	✓	
→	91102	6	Revised 91201	* WRONG TAB CORRECT procedure
	91401	5	✓	
	91704	8	✓	"Picked Procedure between 91101-C - 91102-C

Control Set 56 Control Room Manager Set
VEGP Emergency Response Telephone Directory dated 2/14/90

CAPT. T. NASH

BURKE COUNTY

(404) 554-2133 EXT. 54

Eldon / We received a complaint from above that he did not get timely county police notification Looks like another example of breakdown in offsite notification

EP (1) 2-93

EP (12) (1)

2-94

Pauline Jenkins Shift Clerk on left Form

- IN OSOS office
- Lights out
  aware of Trip
  Picked up Form (9 1001-C Rev 7 Pg 8
- Thought it was a NOUE ~ A+5 min
  Checked
  OSOS direct
  OS - John Hughes ED
  Went to phone 3 via ENN
- phone [illegible] book was [illegible] by Terra Jones
- [illegible] ENN [illegible] ~ 6 min
- ~~[illegible]~~ back up ENN
- [illegible] phone [illegible] dial 99 Only SC
- ~~[illegible]~~ Plant Mgr came in wanted to see form
- added additional [illegible] form - ~~[illegible]~~ form [illegible] 3956
- Continued [illegible]
- [illegible] TSC [illegible] manual phone [illegible]
  (10:15 → 10:16) [illegible] GEMA, got Burke Co
- [illegible]
  [illegible] Burke Co [illegible]
  [illegible]
  [illegible] 1st No 404 624-[illegible]
  phone book 2nd No 404 624-7000
  [illegible] phone [illegible] let it [illegible] 3-4 [illegible].
  [illegible] #

- Tried GEMA again after Burke Co
  Go [illegible] OS phone ~ 10:25-10:30
  [illegible] SS → [illegible] form Clerk to SS
  ~~[illegible]~~ 10:[illegible]-10:50
  Made 3rd Notification
  Then TSC [illegible] Not Jack [illegible]
  Complete at about 11:00 A

Last Train April 89
- [illegible]
- B/ ENN [illegible]
- [illegible] - [illegible]

(2)

D? Daily Mtg. demo

Drill in Feb - 90 Tele message only

Craig Ketterer, Jim Fabris first calling

— Xerox machine broken & phone out
no FAX

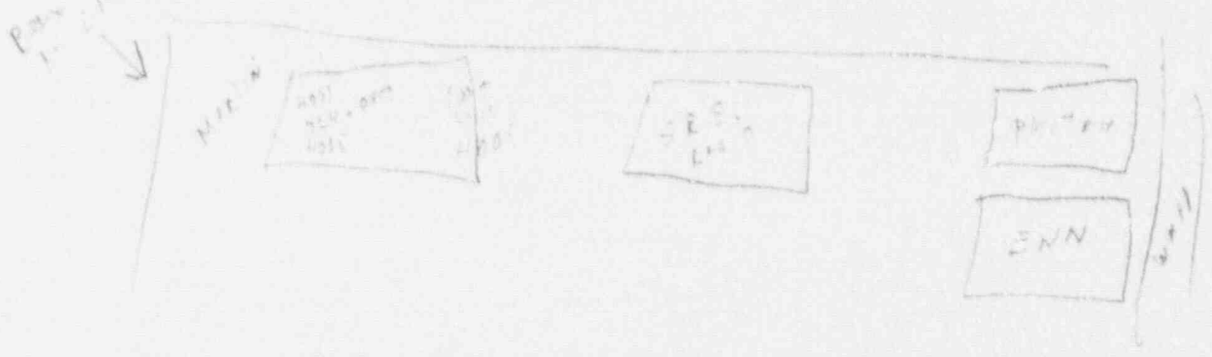
By adding info caused delay - caused and had to go back to beginning - further delay

→ A lot of request to repeat the message

— 1st time to use commercial phone

EP (13)

2-95



CP (14)

2-96

3/23

Jimmy Cash Ops Supt.

In Jim Schwartzer office 2nd Floor Serv Bldg. lights out

went to get fed hot team Control Room ← went in blackout w/ 2 stations

2207 Went to switchyard

Saw truck

[illegible] bad kept him from going forward

+ [illegible]

Back to CR

Back to Switchyard

Back to CR

Cleared Unit 2

Go to TSC — TSC Mgr and activate

*Never done this before — never played in any drills

Then went to Ship [illegible]

2 People still coming in

Status board

— [illegible] Ops Supt in TSC

[illegible]

→ [illegible]

EP (15)

3/02/80

2-97

William Bauermeister
Plant Duty Mgr.

In office
Heard loud bang
Noise notice
Could not call back because phone did not work
went to Inventory yard
4:10 – 9:30 in CR

Tom Hopkins told W.B. to come control

- Called Met Data
- Filled out Notification Forms
Better than 10 min
- filled form out for SAE

- asked for Met tower Data
→ no value

Recall all of them
Most significant not prolific than SAE

Pressure went on down of site wouldn't out come

Diesel ran for 1½ min then dumped (tripped)

Handed that we shall come ... SAE
gave to OSOS 2 min
did not come back to check on clerk

*** → Original Form → OSB → shift Clerk → Plant Mgr adds cover
Start Unsteady
unable power, back
condition emergency

→ Second Form being prepared
...of mind
* NONE of it ...
- OS wanted an alert ...

Turned over ED to ... when signed and form

went to TSC
gave everyone a status
2:45 back to CR
Then back to TSC
— sound powered phones
Did not know when phone started work
12:30 went back to office

Noise level not bad
[illegible]

* Forms are in a Control Document ~~[illegible]~~ File in Packets
3rd form in SAE

→ Xerox did not work – Broken

Engineering Group 3-4 people [illegible], attend [illegible] [illegible]

→ Communication
[illegible] [illegible] [illegible] on phone
[illegible] [illegible] [illegible] – ~~[illegible]~~ not that many people [illegible] [illegible]

— Would [illegible] [illegible] a PROBLEM

(sampling)

Spoke to a selected group of employees in ~~Admin~~ Service Bldg

- E. Could hear PA on site
- Followed Direction to leave site
- Hard to hear PA near admin bldg
- [illegible] [illegible] [illegible] out
- [illegible] [illegible] [illegible] [illegible] [illegible] felt with
- [illegible] out [illegible] not a lot of information passed on to them
- Felt left out

Doris Haight

Chris Ekert

EAE - Page Announ–

Here on Mon

2-98

Backup ENN

1986 { SC / GA } had TWO sep. Notification forms

(were to match)
SEP – SC
GA – GP

Both forms and procedures merged into 1

Backup ENN retained as backup

Backup ENN is powered by non 1E source (Security Dist.
- ENN electrical plug on normal 3 pronged plug. no locking device
- No battery back up on power

3/23

(sampling)

Spoke to a selected group of employees in ~~Admin~~ [illegible] Bldg.

- Could hear PA on site
- Followed Direction to leave site
- Hard to hear PA near admin Bldg
- No problem badging out
- No [illegible] of flow [illegible] ~~[illegible]~~ [illegible] fast walk
- 3 hrs [illegible] not a lot of information passed on to them
- Felt left out

Doug Hwight

Chris Eckert
SAE - Page Announ-
Here on Mon

EP (17)

2-99

H.2 Corporate and News Center Facilities

Descriptions of the corporate facilities used during emergencies and the Emergency News Center are described in appendix 7 and appendix 8, respectively.

H.3 Activation and Staffing of Emergency Facilities

During the initial stages of an emergency situation, emergency activities at VEGP are directed from the control room. For a Notification of Unusual Event, no other facilities need be activated. 1 1

Upon declaration of an Alert or higher level classification, the TSC will be activated and will be fully operational within about an hour of the initial notification. Overall direction and control will be exercised from the TSC for an Alert situation. For Site Area and General Emergency categories, the TSC will be the command center if the emergency director chooses, at least until the EOF is activated. 46 MIN 5

Activation of the OSC will be initiated at an Alert or higher level classification. Support personnel will be directed to report to that facility as appropriate for the specific situation. The OSC will be operational within about an hour of initial notification. 40 MIN

The EOF will be brought to a standby status for an Alert and will be activated for a Site Area or General Emergency classification. This facility will be operational within about an hour of the initial notification. VEGP security personnel will establish access control to the EOF, since it is outside the plant security area. The emergency director may establish himself either at the TSC or EOF at his option. 75 MIN

H.4 Plant Monitoring and Data Handling Systems

1. GEOPHYSICAL PHENOMENA MONITORS

   a. Meteorological

      A meteorological monitoring program is in place at VEGP. Instruments are mounted on a 60-m tower located to the south-southwest of the power block. Parameters measured and transmitted to the control room include:

      - Windspeed (10 m and 60 m).
      - Wind direction (10 m and 60 m).

REV 0 11/30/84
REV 1 5/85
REV 2 11/85
REV 5 2/86

- Standard deviation of horizontal wind direction (10 m). 2

- Vertical temperature difference (10 m and 60 m).

- Ambient temperature (10 m).

- Dewpoint temperature (10 m).

- Precipitation (base).

An equipment building which houses the recording, calibration, and amplification equipment is located near the base of the tower. The system is powered by an uninterruptible power supply consisting of wet cell batteries, charger, and inverter for high availability.

The important parameters for characterizing the transport of airborne radioactivity are windspeed, wind direction, and atmospheric stability (derived from the standard deviation of the horizontal wind direction or vertical temperature difference). These meteorological parameters are used in a calculational methodology to assess the offsite radiological consequences of accidental releases of airborne radioactivity. The methodology is described in section I, Accident Assessment.

b. Hydrologic

The normal source of plant cooling water is the Savannah River, which provides makeup to the cooling towers. The probable maximum flood level has been determined to be about 140 ft mean sea level (MSL). However, since the access elevations to safety-related structures are at 220 ft MSL, high river level is not relevant to plant safety. The ultimate heat sink for VEGP is the nuclear service cooling water towers. Two 100-percent towers are provided for each unit, and the system will provide sufficient shutdown cooling for approximately 30 days with no makeup. Because of these design features, hydrologic monitors will not be required for initiation of emergency actions; therefore, there will be no emergency levels based on hydrologic monitors. 1

REV 0 11/30/84
REV 1 5/85
REV 2 11/85
REV 5 2/86

*EP (18)

Need to talk to him in greater detail about EP only.

2-100

John Hopkins Shift Superintendent Unit 1

- Knew power out
- Knew Diesel on
- Knew Diesel TRIP
- D CAM on again
- Tripped 2nd time low jacket water pressure
-

EP (19) ①

3/24 9:50A

2-101

Capt. William Johnson

- SAS at PA declaration in
- Security Guard of TRUCK prior to this
  closing
- PA in SAS incof → tone given
  Tone for Site Area → *repeated several times
- Check to be sure it was real (Was in test day)
- Alarm Station Operator in CASS said it was real
10:00+30 min - Sent ENN some to Control Room
- Activated TSC & OSC exit route for accountability
- Reported to Desk in Office to check procedure Manual Set 2
  91704-C Rev. 8
- Decided Lt. Stewart to ~~perform~~ prepare for accountability
  how long did he need to wait
- Wait until non essential people have exited till computer room
→ Not yet notified
↳ 10:25 John Hopkins called to get travel items
- Lists are called by ED to prepare accountability
→ A conversation with John Hopkins he told i ordered evacuate
  of Unit 1 as to...
  Would there be early dismissal or evacuation
  → He said no early dismissal or no Evacuation of Unit 1 / Contained

→ Reason is to be... Some do early dismissal & Test Pg. 9 of 16 Step 15
→ Supervisor to EOF to do their job
→ sent people to ENC @ Waynesboro (No one showed up there) they all went to Visitor Center
→ access was limited at gate
↳ officer at gate was told to go to relocation center for decon
  HP would be there — people leaving told him that they were told by their supervisor to do so
→ Accountability — Dips one would leave
  ③ People stayed in cafeteria — "people taking advantage of free food" ERF people outside of the fence
  People on site don't know what to do"

* Technical never notified accountability

1st report 197 not accounted for in Prot. Area
2nd 110 " " " "
3rd 49 " " " "
7 hrs T[illegible]

= [illegible]
- Notified by OSOS early about what was in classified
- Stress in Badge Train what people should do.
  especially craft people
- Method of accountability failed 2 or 3 times
  would not ~~work~~ work - this has been part of critique ~~[illegible]~~
  in past. Drills do not test real problems.
  ~~[illegible]~~ People not in ~~[illegible]~~ TSC, CF, SAS, CAS, OSC or
  Security Post are not accounted for

· Few traffic problems at light - Confusion ⎨ home / relocation center

— [People don't know what to do.
   Too many chiefs! ~~[illegible]~~

Security People
· [illegible] did a good job

→ Response force not especially qualified ⎦ [illegible]

[illegible] people Reg. Qualified EWN ~~[illegible]~~ Commun[illegible] 5 to 6/shift

"Real Disappointment on how plant performed" "have been told that it would not work"

- Miscommunication caused some people to leave others to stay.

* Concern that no individual not stay to assist in [illegible] basis
  · Common sense would dictate this
  · Safety should [illegible] this

Memo—Long Form

Capt. Wm. Johnson 3/24/80

DATE

FROM

TO

TO

TO

TO

- ☐ NOTE AND FILE
- ☐ NOTE AND RETURN TO ME
- ☐ RETURN WITH MORE DETAILS
- ☐ NOTE AND SEE ME ABOUT THIS
- ☐ PLEASE ANSWER
- ☐ FOR YOUR APPROVAL
- ☐ PREPARE REPLY FOR MY SIGNATURE
- ☐ TAKE APPROPRIATE ACTION
- ☐ PER YOUR REQUEST
- ☐ SIGNATURE
- ☐ FOR YOUR INFORMATION
- ☐ INVESTIGATE AND REPORT

COMMENTS

1001 - SITE AREA EMERG. DECLARED (LOSS OF POWER - UNIT I) - (INFO OVER P.A. SYS.)
1002 - NRC NOTIFIED OF EMERG. EVACUATION
1002 - OSC CMD READERS ACTIVATED
1003 - EMA DISPATCHED TO CONTROL ROOM
1003 - TSC CMD READERS ACTIVATED
1005 - EMC NOTIFICATION - MIDDLETON / HOLLAND / TANNARD / MOORE
1007 - ACCOUNTABILITY INITIATED (Preparations underway)
1012 - TSC COORDINATOR - GLEN GRIMES DIVERTED @ HEAT GEYSER
1013 - GATE 4 NOTIFIED TO PREPARE FOR VEHICLES TO ENTER (Augusta Maint Truck)
1015 - OFFICER DISPATCHED TO OSC TO ASSIST
1017 - (PLANT PAGE) - EARLY DISMISSAL
1019 - 790 (Total) DISMISSED FROM TURBINE DECK (Total accumulation)
1020 - DOSIMETRY SENT TO GATE #4
1022 - DISPATCHED NAMES TO TSC FOR ACCESS CONTROL
1022 - NOTIFIED THAT SITE AREA DOWNGRADED TO ALERT AT (015 HRS.)
1025 - (PLANT PAGE) - DOWNGRADED TO ALERT AT 1015 HRS.
1025 - OSDS HOMANS (JOHN) - NOTIFIED ME THAT 2 TRUCKS COMING FOR DAMAGE REPAIR (HOMAN) (ANNISTON) ← (NO E.D. / NO EVACUATION PER HOLLAND)
1025 - ECC - REPRESENTATIVE FROM CLEVELAND/CANADA DISPATCHED
1040 - BARGE ISLAND (VAN STARKEN) - NOTIFIED TO GET PREPARED FOR VEHICLES ARRIVING AT GATE (SECURITY WILL ESCORT VEH. + INS.)
1044 - ESCORT OFFICERS STANDING BY GATE 4
1047 - TSC REVIEWING ACCOUNTABILITY - E.D. Declared 10am Should but not complete
1051 - NPD NOTIFIED DCSO TO ASSIST WITH TRAFFIC BACK Washington Public Dept Bruns Count Sheriff Dept.
1058 - GEORGE BOLKHOLD - E.D. AT T.S.C.
1111 - O.C.A PATROL ESTABLISHED - CHECK FOR NEWS MEDIA IN AREA
1112 - FROM GLEN (Grimes) - T.S.C. - INFO: UNIT II STAGE MODE-3
1213 - 49 PERSONS IN P.A. NOT ACCOUNTED FOR
1350 - EMERG. TERM - PERSONNEL ALLOWED TO ENTER P.A.

700219A

3/14/90 4:30 p

FROM - CAPT. W.L. JOHNSON, JR. - G.P.C. SECURITY
TO - EDAN TESTA - U.S.N.R.C.

NUMBER OF PERSONNEL ON SITE (INSIDE P.A.)
AT 2200 HRS. / 19 MARCH 90 (TIME PERIOD 1700-2200 HRS.) — APPROX. - (646)
(NIGHT BEFORE EVENT ON 20 MARCH 90 - SITE AREA EMERGENCY)

NUMBER OF PERSONNEL ON SITE (INSIDE P.A.)
AT 1001 HRS / 20 MARCH 90 (TIME PERIOD 0500-1000 HRS.) — APPROX. - (1188)
(DAY THE EVENT OCCURRED - SITE AREA EMERGENCY)

Computer Printouts are available.

2 - 102 ①

3/24

Lt. Wilson — Stewart — Security

- Checking e/xx post inside PESB — 1st entry — when lights went out in SAS
- Power swapped out OK
- Do procedure response for loss of power
- Physics went out to check on missing person in truck (all people too)
- went 1 to ... when NET declared SAE
- came back to SAS immediately
- In SAS 3 badge ... (only had 4 rather than usual 5) 3+ min
  - one + Wm. Stewart doing account

Did accountability by procedure — cut. call list

10 min ran site account after SAE

usually 30 min (in procedure)

177 accounted for

- CR, OSC, TSC all given list
- 139 accounted for
  - Lt. ... in CR
    - Jimmy Cook Told him to do PA announ
      - Clerks
      - Cooks
      - Others in Service Bldg still there

Stewart made 2nd announ

~ 1 hr + — directed to say "For accountability purposes all non essential personnel report to the ... Parking Lot" by Jimmy Cook

after 2nd PA were they blew accountability
- now missed 47 people

after another hr
- ran a total of 5 reports never did get accountability

PA in alarm station — Conflict in Procedure — ED 9704

ED Now directed him to do ran

Drill — not reality
- extra shift provide all the extra people
- if ambulance had to come in been hard to find people.

(2)

3/24

During drills only selected people leave
Cafeteria [illegible]

=

ARA Food table not paid for
B 150

* Drill only 2 pages long
real event 12 pages long

Last one of 5 was 6 pages long

=

Not [illegible] Qualified

1988 212 UE
6 Alert
0 SAE

1989 197 UE
12 Alert
0 SAE

FROM Bob TROJ
3/24/90
@ 12:11 P

9:40 SRP

10:13 - TSC to Gem

10:29 - TSC to GEMA & to alert

11:41 - ENN → CR via int that "SAE" no intel

B. ONSITE EMERGENCY ORGANIZATION

Initial staffing of the onsite emergency organization will be provided from personnel normally employed at the site. For reference throughout this section, the organizational chart for the Vogtle Electric Generating Plant (VEGP) staff is presented in figure B-1. If the need arises, this staff will be augmented substantially by the addition of other Georgia Power Company (GPC) personnel and by personnel from other organizations. This section includes a description of the emergency duties of the normal shift complement, a discussion of the manner in which emergency assignments are to be made, a listing of additional support personnel on whom GPC can rely, and a description of the relationships between onsite and offsite response activities.

B.1 Normal Plant Organization

The organizational structure shown on figure B-1 represents the pool of personnel available on site during normal working hours. Approximately 700 people will be stationed at the site during the standard workday when construction and startup activities have been completed.

The normal operating crew for each unit includes one shift supervisor, one plant operator, one assistant plant operator, and two plant equipment operators. An operations supervisor is also on shift during operation (as defined in the Technical Specifications). Personnel from the Chemistry and Health Physics, Maintenance, and Security Departments are also on site continuously.

B.2 Emergency Organization

The emergency director has the responsibility to classify an event in accordance with the emergency classification system (described in section D). Classification of an event into one of the four emergency categories (Notification of Unusual Event (NUE), Alert, Site Area Emergency, or General Emergency) activates the VEGP emergency organization. The extent to which the emergency organization is activated depends on the severity of the situation. Table B-1 provides a summary of personnel available on shift and those who would be available within 60 min of notification.

For an NUE, the emergency director assigns responsibility for making the appropriate notifications and directing the proper response; but no further activation of the emergency organization is required.

If the event is classified as an Alert, the technical support center (TSC), operations support center (OSC), and General Office Operations Center (GOOC) will be activated.

For this classification, the emergency organization is structured as shown on figure B-2. The corporate emergency organization will also be activated. The organization for corporate response is shown on figure B-4, and further information about the corporate resources and operations is presented in the GPC Corporate Emergency Plan (appendix 7). Corporate personnel who report to the plant site will be integrated into the VEGP emergency organization. In addition, the emergency operations facility (EOF) will be brought to a standby status.

For a Site Area Emergency or General Emergency, the emergency organization and EOF will be fully activated. The organization will be as shown in figure B-3.

Relationships among the VEGP emergency organization and other elements of emergency response are shown on figure A-1.

B.2.1 Emergency Organization Responsibilities

Following an Alert or higher emergency declaration, the positions shown on figures B-2 and B-3 will be filled by GPC personnel as discussed below.

1. EMERGENCY DIRECTOR

   The individuals designated as emergency director are the general manager-nuclear plant; plant manager; vice president-nuclear (Vogtle); manager, operations; plant support manager; onshift operations supervisor; and shift supervisor. The qualifications of the listed individuals include the emergency response training specified in table O-2 of this plan and the qualifications for their normal positions as managers or supervisors of nuclear operations as shown in table B-2. Tables 13.1.1-1 and 13.1.3-1 of the Final Safety Analysis Report identify their qualifications to assume their normal plant positions.

   The emergency director has the authority, management ability, and knowledge to assume the overall responsibility for directing VEGP staff in an emergency situation. Initially this position will be filled by the onshift operations supervisor or the shift supervisor if the onshift operations supervisor is not

immediately available. The responsibility for emergency direction will be transferred to the general manager-nuclear plant, or an alternate after receiving an appropriate briefing and becoming familiar with the current status of events.

Turnover with the accompanying briefing will include, but is not limited to, the following:

1. Review of logs and status boards.

2. Discussion with the incumbent including emergency classification, summary of events, offsite notifications, plant status, equipment status, outstanding orders, any noted deficiencies and completed checklist items.

3. Discussion with staff, as needed.

Following relief, announcement will be made to staff of the transfer of responsibility. (See Procedure 91102 for specifics.) The primary and alternates for the position of emergency director are shown on table B-2.

The emergency director manages the following activities for the duration of the emergency:

- Notification and communication: directs the notification of VEGP and GPC personnel and notifies and maintains open communications with offsite authorities regarding all aspects of emergency response.

- Emergency response facilities: oversees the activation and staffing and requests additional assistance, as needed.

- Emergency operations: has authority over those actions taken to mitigate the emergency condition or reduce the threat to the safety of plant personnel or the public, including the recommendation of protective actions to offsite authorities.

- Emergency services: provides overall direction for management of procurement of site-needed materials, equipment, and supplies; documentation; accountability; and security functions.

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- Emergency operations planning: provides overall direction for the management of planning for procedure, equipment, and system development to support emergency operations.

- Discretionary authority: can modify emergency implementing procedures in accordance with plant Technical Specifications; may tailor the emergency organization to fit the specific staffing needs on a case-by-case basis.

The emergency director may not delegate the following responsibilities:

- The decision to notify offsite emergency response agencies.

- The decision to recommend protective actions to offsite authorities.

- Declaration of emergency classifications.

- Authorization for plant personnel to exceed 10 CFR 20 radiation exposure limits.

- The decision to downgrade the emergency classification or terminate the emergency.

- Request for Federal assistance.

- The decision to order evacuation of non-essential personnel from the site at an Alert classification level.

The emergency director may operate from the control room, TSC, or EOF at his discretion. He may act as the TSC manager during the early phases of emergency response until the EOF is activated.

2. TSC STAFF

a. TSC Manager

The TSC manager performs the following activities:

- Coordination of inputs and recommendations from technical and corrective action advisors.

- Direction of onsite emergency personnel involved in restoration of the plant to a safe condition.

- Technical assistance and operations guidance to control room personnel.

- Direction of TSC staff in analysis of problems, design and planning for temporary modifications, and development of temporary emergency operating procedures.

- Recommendation of protective actions to the emergency director based on plant conditions.

- Providing recommendations on emergency classifications to the emergency director.

b. TSC Support Coordinator

The TSC support coordinator directs the clerical and logistic activities in the TSC. He ensures that support staff, including clerks, status board keepers, and communicators, are available in sufficient numbers and that office supplies, drawings, and other documents are available to TSC and OSC personnel. He is responsible for timely completion of offsite notification. He ensures that transportation and communication needs are satisfied. He arranges for additional offsite support personnel and equipment working in conjunction with the EOF support coordinator. (Primary and alternates are identified on table B-2).

c. Engineering Supervisor

The engineering supervisor directs a staff of engineers with expertise in reactor engineering, thermal and hydraulic analysis, instrumentation and control, and mechanical and electrical systems. He directs the analysis of plant problems and provides recommendations for plant modifications to mitigate the effects of the accident.

d. Maintenance Supervisor

The maintenance supervisor manages the planning and coordination of repair, damage control, and plant modification activities. He works closely with the engineering supervisor in planning for plant modifications and repairs.

e. Operations Supervisor

The operations supervisor analyzes problems associated with systems operations and provides recommendations for procedures for mitigating the emergency situation.

f. Health Physics Supervisor

The health physics supervisor is responsible for onsite and in-plant radiological controls. He provides guidance to the maintenance supervisor related to radiological considerations associated with plant modification and repair and provides direction to the OSC manager related to the health physics controls for emergency teams. He performs offsite dose assessment prior to EOF activation and keeps the dose assessment manager in the EOF informed of the radiological status of the plant.

g. Chemistry Supervisor

The chemistry supervisor is responsible for directing and evaluating in-plant chemistry and analyses, directing and evaluating post-accident sampling system (PASS) sampling, and directing core damage assessment.

h. TSC Security Coordinator

The TSC security coordinator coordinates the security functions including accountability and access control.

3. OSC STAFF

a. OSC Manager

The OSC manager receives direction from the TSC personnel to dispatch emergency teams (e.g., firefighting, search and rescue, first aid, repair, etc.) to prescribed areas of the plant or site. The OSC manager directs composition of the teams to ensure that appropriately qualified personnel are assigned. In particular, he will ensure that proper health physics coverage is provided. The OSC manager will provide specific instructions to the team leaders and will maintain communications with the teams that remain assigned to the OSC, to monitor the status of their activities.

b. OSC Personnel

Selected emergency response personnel will report to the OSC as directed. Depending on the nature of the emergency, personnel from the Maintenance, Operations, Chemistry and Health Physics Departments will be directed to report to the OSC. The following emergency teams will be formed as necessary:

- Backup fire brigade.
- Search and rescue.
- First aid.
- Damage assessment.
- Damage control.
- Repair and modification.
- In-plant radiological monitoring.
- Field monitoring.

Each team will be headed by a designated team leader, who will maintain communication with the OSC.

4. EOF STAFF

The emergency director will normally manage the VEGP emergency organization from the EOF. In addition to serving as the overall command center, the EOF is the location where offsite response activities are coordinated and initial reentry and recovery actions are planned.

a. EOF Manager

The EOF manager manages the following activities:

- Overall direction and control of offsite GPC response.
- Communication of radiological information to State and local emergency response agencies.
- After consultation with the emergency director, provides support for initial activities associated with planning for site reentry or recovery operations.

b. EOF Security Coordinator

The EOF security coordinator has the following responsibilities:

- Access control for the EOF.
- Processing of personnel who require authorization to enter the site.
- Requesting assistance through the emergency director for civil law enforcement authorities, if required.

c. EOF Support Coordinator

The EOF support coordinator performs the following functions:

- Ensures timely completion of offsite notifications in coordination with the TSC support coordinator.
- Ensures the availability of an adequate number of administrative personnel for EOF and TSC operations.
- Develops a duty roster for extended emergency operations, if necessary.
- Obtains and distributes office supplies, office equipment, drawings, and documents, as necessary.
- Provides temporary quarters, food, and water as necessary for emergency workers.
- At the request of the EOF manager or emergency director, makes contact with private organizations to provide support services.
- Expedites procurement of necessary materials or equipment.
- Arranges for offsite support personnel and equipment.

d. Dose Assessment Manager

The dose assessment manager is responsible for the evaluation of offsite radiological conditions; his specific responsibilities include

- Performance of offsite dose calculations in accordance with plant procedures.
- Direction of GPC environmental and field monitoring teams.
- Comparison of calculated offsite dose rates with measured values.
- Comparison of calculations and measurements with state and federal groups performing radiological assessment.
- Projection of radiological consequences offsite, based on anticipated or predicted plant conditions.
- Recommending protective actions to the EOF manager, based on actual or projected offsite radiological consequences.

5. OTHER CORPORATE PERSONNEL

The Corporate Emergency Plan (appendix 7) describes the actions to be taken by GPC's Nuclear Operations Department in the event of an emergency. The executive vice-president, nuclear operations, may supplement the VEGP emergency organization with additional resources and personnel from Hatch Nuclear Plant, which is within about 2 h driving time.

B.2.2 Emergency Organization Assignments

Table B-2 identifies by title the individuals who will fill the key emergency positions. No individual listed in table B-2 is identified as the primary candidate for more than one emergency position. There is some duplication, since some primary candidates are identified as alternates for other emergency positions or are identified as alternates for more than one position. A sufficient number of people are identified to ensure that all emergency positions on table B-2 will be filled.

B.2.3 Other Support Services

1. CONTRACTOR SUPPORT

Arrangements have been made to obtain support services from Bechtel Power Corporation and Westinghouse, if required. These organizations will initially be

contacted by the EOF support coordinator to arrange for the required assistance. 5

2. MEDICAL ASSISTANCE

Agreements are in place with Radiation Management Corporation, Burke County Hospital, Humana Hospital, and Burke County Ambulance Service (see appendix 2) to provide assistance for injured personnel, including cases involving radioactive contamination. This assistance will be requested whenever necessary in accordance with plant procedures.

3. AGENCY SUPPORT

Assistance may be requested from Burke County, the State of Georgia, or Federal agencies. Section A of this Plan describes the assistance that may be requested. Any requests for aid will be made by the emergency director.

B.2.4 Interfaces Among Response Groups

Section A, figure A-1, illustrates the integrated organization for response to an emergency at VEGP.

TABLE B-1 (SHEET 1 OF 2)

MINIMUM STAFFING FOR POWER OPERATION

Major Functional Area	Major Tasks	Position Title or Expertise	On Shift	Augmentation in 60 min
Plant operations and assessment of operational aspects		Operations supervisor (SRO)	1[a]	-
		Shift supervisor (SRO)	1[a]	-
		Plant operator (RO)	2[a]	-
		Assistant plant operator (RO)	1[a]	-
		Plant equipment operator	2[a]	-
Emergency direction and control (emergency director)	Overall management of emergency organization	Shift supervisor; onshift operations supervisor	1[b]	-
Notification/ communication	Notification of GPC, State, local, and federal personnel	Shift clerk or other trained personnel	2	2
Radiological accident assessment and support of operational accident assessment	EOF direction	Manager or superintendent	-	1
	Offsite dose assessment	Health physics foreman	1	-
	Offsite surveys onsite (out of plant)	Chemistry technicians and other trained personnel	5	4
	Chemistry/radiochemistry	Chem technicians or equivalent	1	1
Plant system engineering, repair and corrective actions	Technical support (including core/ thermal hydraulics)	Shift technical advisor or engineer	1[c]	-
		Electrical	-	1
		Mechanical	-	1
	Repair and corrective actions	Mechanical maintenance	1	1
		Radwaste operator	-	1
		Electrical maintenance	1	1
		Instrumentation and control technician	1	-
Protective actions (in plant)	Radiation protection: . Access control . HP coverage for repair, corrective actions, search and rescue, first aid, and firefighting . Personnel monitoring . Dosimetry . Decontamination . In-plant Survey	Rad technicians or other trained personnel	2	2

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TABLE B-1 (SHEET 2 OF 2)

MINIMUM STAFFING FOR POWER OPERATION

Major Functional Area	Major Tasks	Position Title or Expertise	On Shift	Augmentation in 60 min
Firefighting	-	-	Fire brigade per Technical Specifications	Local support
Rescue operations and first aid	-	-	2[b,c]	Local support
Site access control and personnel accountability	Security, firefighting communications, personnel accountability	Security personnel	Per Security Plan	
		Totals	20[b,c]	15

a. Refer to technical specifications for two-unit operation.

b. May be provided by shift personnel assigned other functions.

c. Required unless operations supervisor or the individual with a senior operator license meets the qualification for the STA as required by the NRC.

d. Does not include positions footnoted with a (b) or (c).

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TABLE B-2 (SHEET 1 OF 2)

EMERGENCY ORGANIZATION ASSIGNMENTS

Emergency Position	Primary	Alternate(s)
Emergency director	General manager-nuclear plant or vice-president-nuclear	Plant manager; manager, operations; operations superintendent; plant support manager; onshift operations supervisor; shift supervisor
EOF manager	Outage and planning manager	Plant training and emergency preparedness manager; health physics superintendent; work planning, and controls superintendent;
EOF support coordinator	Manager, general support	Superintendent of administration; administration supervisors
Dose assessment manager	Health physics superintendent	Health physics supervisors; health physicist
Public information manager	Director corporate communication	Emergency Communications Supervisor; Speech and information services supervisor
Dose analyst	Health physicist	Radiological engineer; health physics supervisor; health physics foremen
EOF security coordinator	Nuclear security manager	Nuclear security supervisor(s); nuclear security shift supervisor
TSC manager	Plant manager	General manager-nuclear plant; plant support manager; manager, operations; operations superintendents
TSC support coordinator	Document control supervisor	Administration supervisors
Engineering supervisor	Engineering support superintendent	Engineering supervisors
Maintenance supervisor	Maintenance superintendent	Maintenance supervisors
Operations supervisor	Manager, operations	Deputy manager of operations; operations superintendents; operations supervisors
Health physics supervisor	Health physics supervisor	Laboratory supervisors; health physics foreman
Chemistry supervisor	Chemistry superintendent	Chemistry supervisor; chemistry foreman
Engineers	Designated plant engineers	
TSC security coordinator	Nuclear security supervisor	Other nuclear security supervisor(s); nuclear security shift supervisor
Chemist	Plant chemist	Chemistry supervisor; chemistry foreman
OSC manager	Maintenance manager	Maintenance supervisors and superintendents
Dosimetry team leader	Dosimetry specialist	Dosimetry clerks
Communicators/recorders	Designated plant engineers	

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TABLE B-2 (SHEET 2 OF 2)

Emergency Position	Primary	Alternate(s)
Clerks	Designated clerks	
In-plant radiation monitoring team	Selected emergency response personnel	
Post accident sampling team	Selected emergency response personnel	
Damage control/assessment/ repair team	Selected emergency response personnel	
Search and rescue team	Selected emergency response personnel	
Backup fire brigade	Selected emergency respone personnel	
First aid team	Selected emergency response personnel	
Field monitoring team	Selected emergency response personnel	
Shift supervisor Plant operators Assistant plant operators Plant equipment operators	Normal operating shift personnel	
Dosimetry team	Dosimetry specialist	Dosimetry clerks

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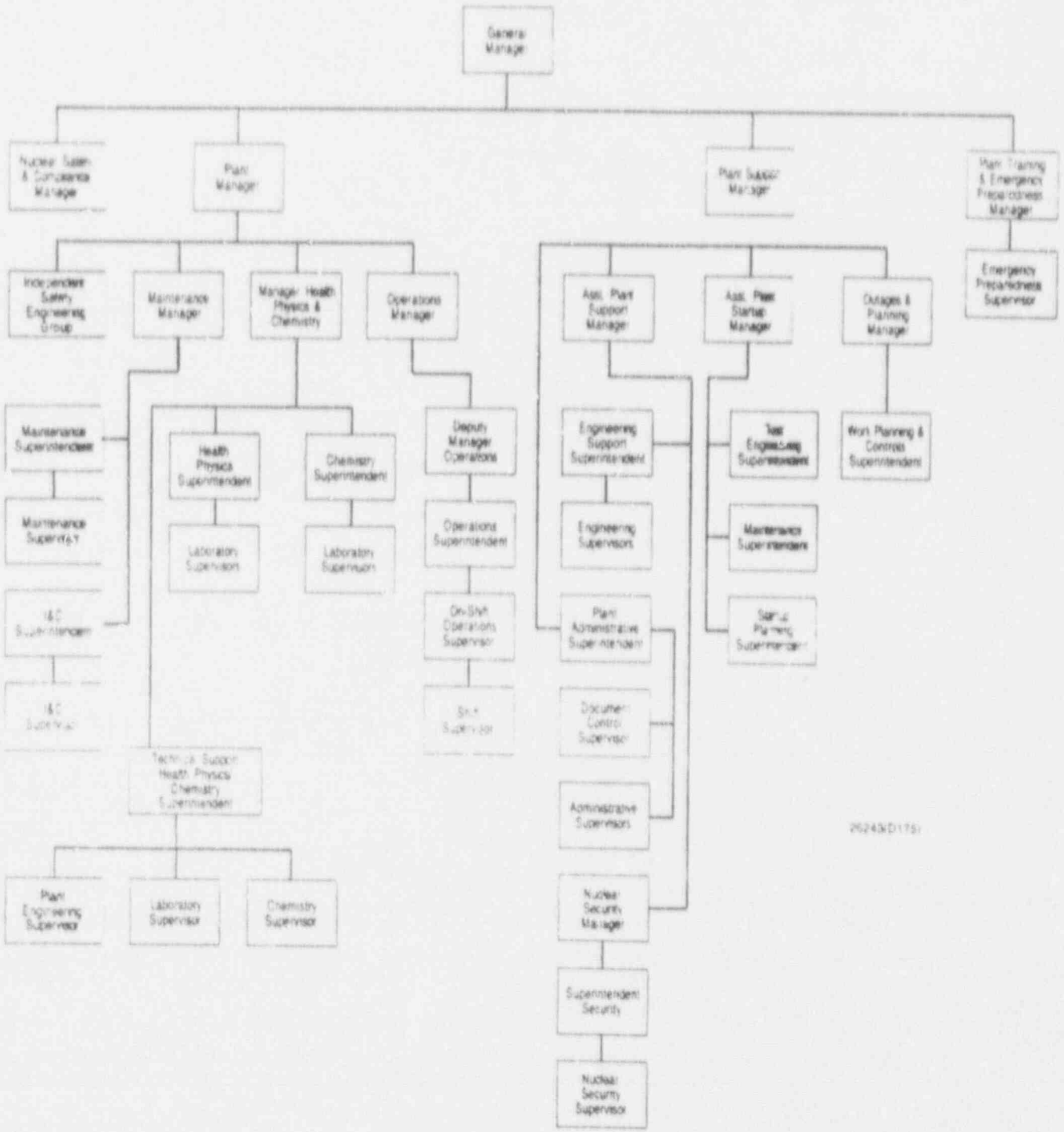

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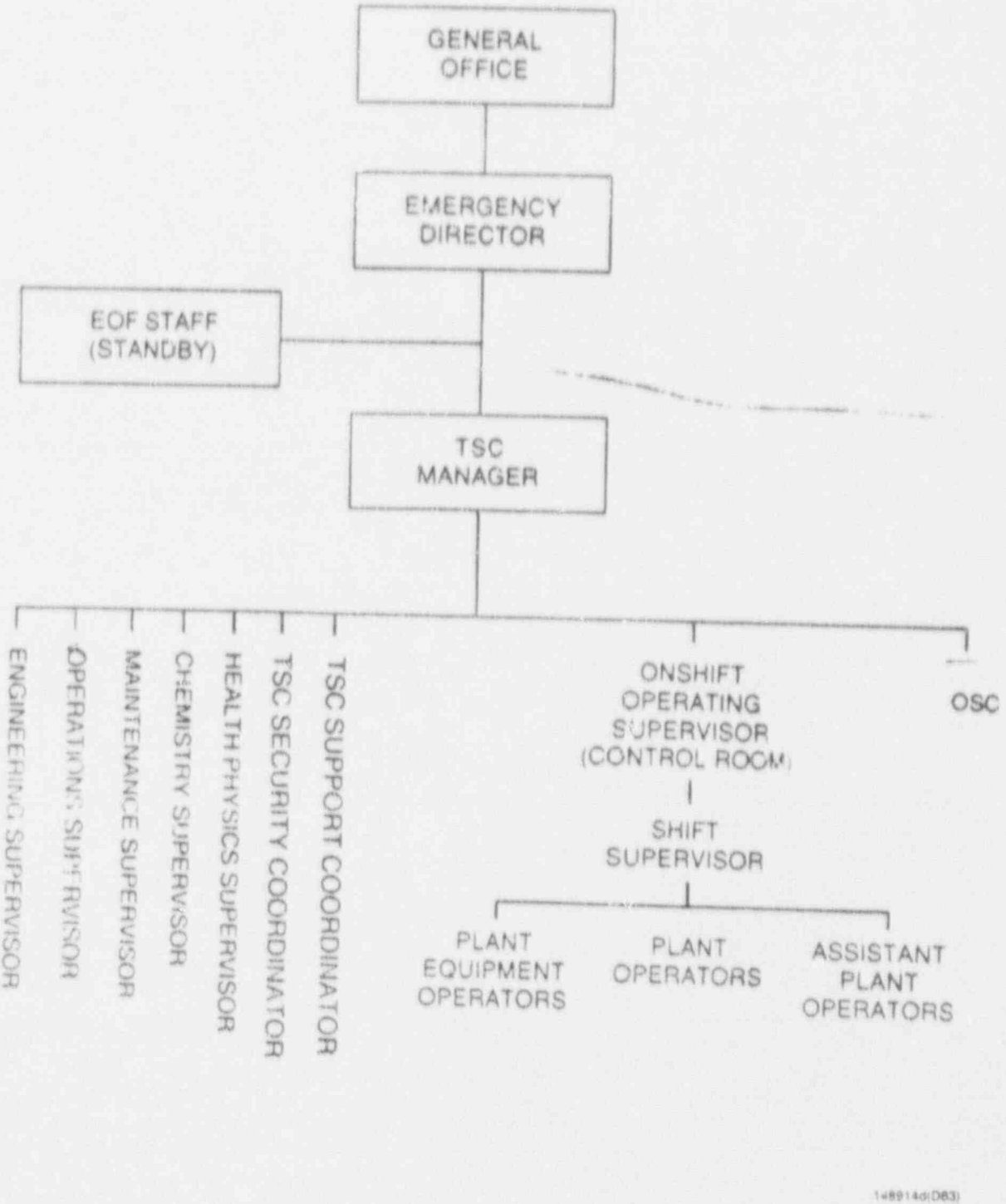
Georgia Power

VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

VEGP ORGANIZATION CHART

FIGURE B-1



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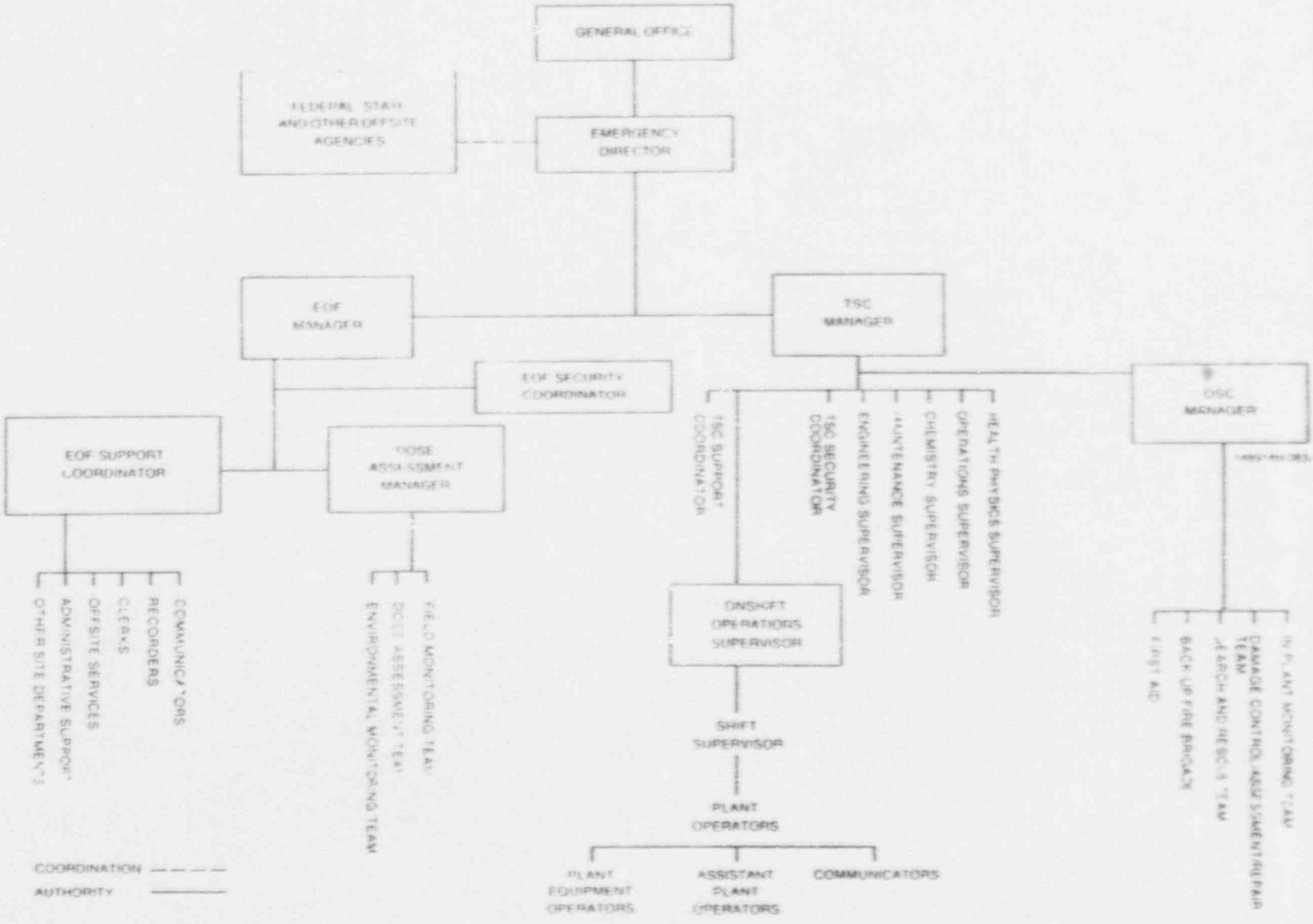
Georgia Power

VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

RESPONSE ORGANIZATION FOR ALERT

FIGURE B-2



REV 0 11/30/84
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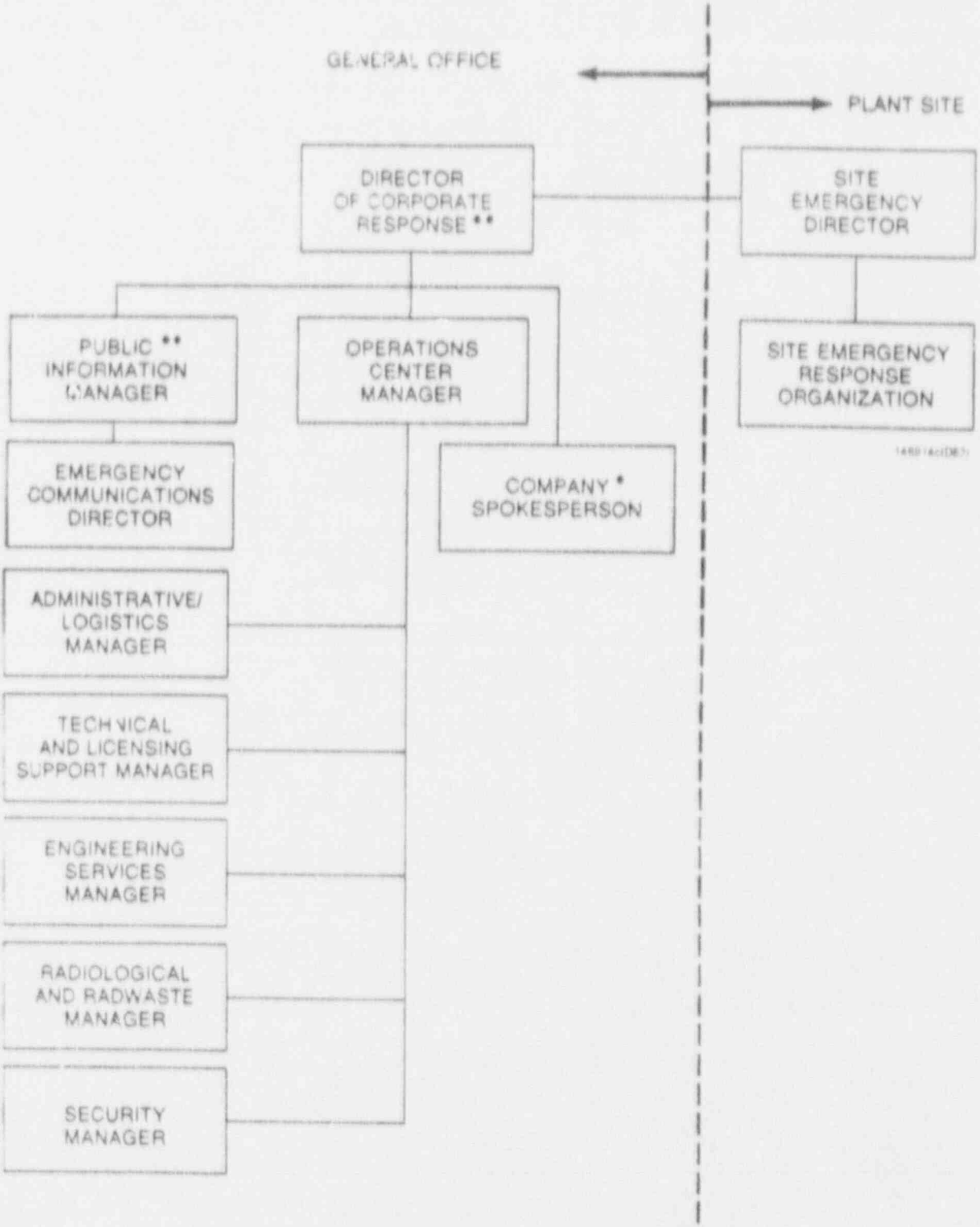
REV 2 11/85
REV 5 2/86

Georgia Power

VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

SITE AREA OR GENERAL
EMERGENCY RESPONSE ORGANIZATION

FIGURE B-3



* Reports to the ENC when that facility is activated.
** Reports to the EOF when that facility is activated.

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Georgia Power

VOGTLE
ELECTRIC GENERATING PLANT
UNIT 1 AND UNIT 2

CORPORATE EMERGENCY ORGANIZATION

FIGURE B-4

433.9

CR

in File Cab.
• Telephone directory dated 5/14/98

Now - Blue	Check List		# of cc's	Rev. 7
	91001-C	Data Sheet 1	1	
	91001-C	Now Check List	1	
	91002-C	Notification Message	1	
	91002-C	ED Check List	1	
	91002-C	NRC Notification Form	1	

alert - Green				
	91001-C	Data Sheet 1	1	7
	91001-C	alert Check List	1	7
	91002-C	Message for State/Local	1	15
	91002-C	ED check List	1	
	91002-C	NRC Check List 3	1	
	91002-C	GPC Check List 4	1	
	91002-C	ED Checklist	1	
	91305-C	Table 1 Protective	1	

Site area Check List
~~Now~~ NO FORMS have been replaced

91001-C
91001-C
91002-C
91002-C

Orange Cover
Found EMPTY
3/21/90
@ 1:20p

SITE AREA EMERGENCY - TABLE OF CONTENTS

PROCEDURE NUMBER	DESCRIPTION	NUMBER OF COPIES
1001-C	Data Sheet 1 - Classification Determination	1
1001-C	Site Area Emergency/General Emergency Checklist	1
1002-C	Emergency Notification Message For State and Local Response Agencies	1
01002-C	Checklist 1 - Emergency Director Notification Checklist	1
01002-C	Checklist 3 - NRC Notification Checklist	1
01002-C	Checklist 4 - Georgia Power Company Notification Checklist	1
01102-C	Emergency Director Checklist	1
01305-C	Table 1 - Guidelines for Recommended Protective Actions For Gaseous Plume Exposure	1

GENERAL EMERGENCY - TABLE OF CONTENTS

Red Cover

PROCEDURE NUMBER	DESCRIPTION	NUMBER OF COPIES
91001-C	Data Sheet 1 - Classification Determination	1
91001-C	Site Area Emergency/General Emergency Checklist	1
91002-C	Emergency Notification Message For State and Local Response Agencies	1
91002-C	Checklist 1 - Emergency Director Notification Checklist	1
91002-C	Checklist 3 - NRC Notification Checklist	1
91002-C	Checklist 4 - Georgia Power Company Notification Checklist	1
91102-C	Emergency Director Checklist	1
91305-C	Table 1 - Guidelines For Recommended Protective Actions For Gaseous Plume Exposure	1

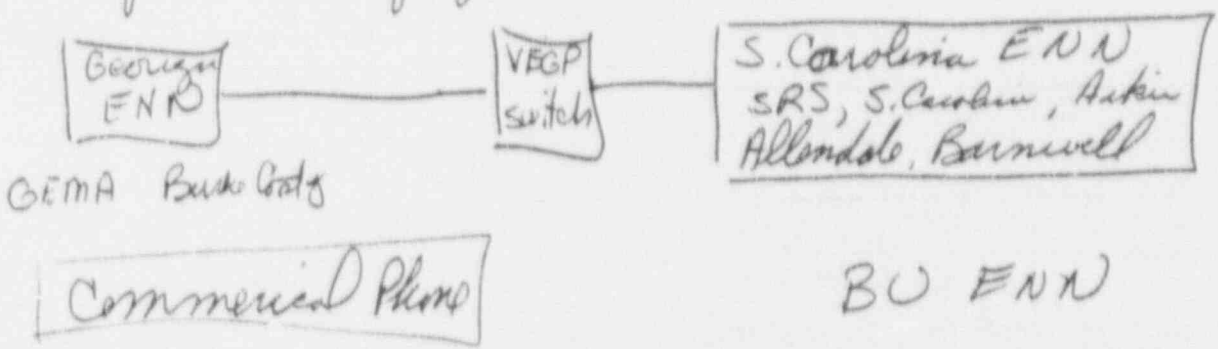
Received 3/24/90 @ ~ 2:15P
From S. Roberts

S. Carolina Backup FNN

1986 Two primary FNN at VEGP, one for Georgia & one for S. Carolina.
S. Carolina part responsability of Savannah River Site (SRS)
SRS late in getting their part installed so VEGP installed present BU FNN to S. Carolina as interim Pri FNN in S. Carolina only.

* Sept 86 SRS installed Pri FNN in S. Carolina Since there were so many drops on S. Carolina FNN, VEGP decided to return BU FNN in S. Carolina

System Configuration at this time



Tie together for SRS Emergency
Split for VEGP Emergency

April 1989 - Tie together permanently
one notifications for for Georgia & S. Carolina

2/24/90 1:00p

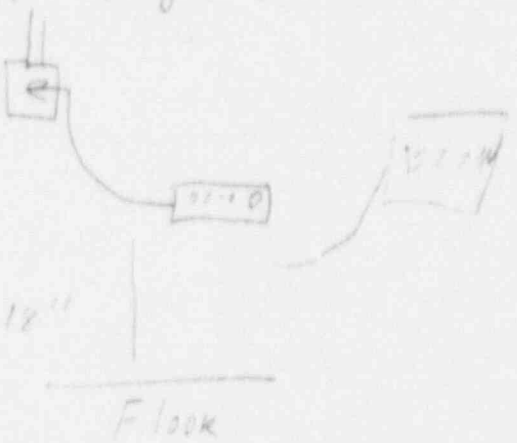
Backup ENN

Power to outlets used 5 amps
4 plugged in

INCP-29
CB #8
Wall receptacle

Surge unit - Connected unit & loaded
TSC Workspace

used as a Fire Brigade Turnout room



TSC

Unit 1

CC ENN
CR ENN P-36 C12
under desk on Podium in CR on 2 labels

Unit 2

Backup ENN (SC)
powered by ~~[illegible]~~ key Cabinet in TSC also

~~2-80~~ EP (25)

3/24 Met Bldg [illegible] 45 p 2-107

Tower Instrument Panel A-2001-P5-MCP

[illegible] 10 m Boiling Temp [illegible]
10 m Temp [illegible]
[illegible] Dew [illegible]
10-60 m ΔT [illegible]
10 [illegible] 29
Boiling 10 [illegible] 32
Precip 62 of 192 [illegible]

Left Side
WS [illegible] @ 60 m 12 [illegible]
Dust 2700

10 m [illegible] WS 5 mph
10 m [illegible] WD [illegible]

WF Tag 4416
date 3/14/96
[illegible]
[illegible]

[illegible] 2449 [illegible]

on phone 4105
3502 ← cond # for Tower

Powered from Plant Wilson

120/240 V Dist Pnl
A-1807-Q5-VH6

General Housekeeping poor with excessive dirt & [illegible] in communication cabinets.
Manual Rain Guage too dirty to read reliably

EP (26)

ON ... B shift   J-108

0900 : D.R. VINEYARD   SS Outage Support
0930 : P.A. HUMPHREY   BOP Operator
1000 : L.P. VANNIER   RO
1030 : R.B. SNIDER   Unit Shift Supvr
1100 : K.A. JOHNS   Extra CRO (CR/DG)
1130 : J.W. ACREE. DG } Shift Supvr (Outage Support)
1300 : R.K. POPE sequencer }
1330 : D. DELOACH } PEO's EDG
1400 : S. WHITMAN }
Not TSC? { EP 1430 : J.P. CASH   Opers Superintendent/TSC
1500 : W.L. BORMEISTER   "   "   "
(? time) ~ 1730 : J.T. HEF...   Senior SRO (Shift Superintendent

* Need to ... Chip ... — 11:00 A ... Sun
... ... — 5:00 p ... Sat

2-110

TELEPHONE CALL FROM WAYNE ROUNDTREE
MARCH 22, 1990

Inventory of Fuel Truck

Gas - 94 gallons

Diesel - 264 gallons

Waste oil - Empty

Water - 40 gallons

Antifreeze - 15 gallons

#68 Hydraulic fluid - 100 gallons

Transmission fluid - 80 gallons

Grease (lube) 18 gallons

Motor oil - 65 gallons

Gear oil (85W 140) - 65 gallons

#32 Hydraulic oil - 25 gallons

KR Holmes 3/22/90

Memo—Long Form

ITEMS ON FUEL TRUCK
For: G. West

2-110

DATE 3/30/90

FROM

TO

TO

TO

TO

- [ ] NOTE AND FILE
- [ ] NOTE AND RETURN TO ME
- [ ] RETURN WITH MORE DETAILS
- [ ] NOTE AND SEE ME ABOUT THIS
- [ ] PLEASE ANSWER
- [ ] FOR YOUR APPROVAL
- [ ] PREPARE REPLY FOR MY SIGNATURE
- [ ] TAKE APPROPRIATE ACTION
- [ ] PER YOUR REQUEST
- [ ] SIGNATURE
- [ ] FOR YOUR INFORMATION
- [ ] INVESTIGATE AND REPORT

COMMENTS

Fueling Truck - Maximum Capacities

85W140 - Gear Oil - 187 gal.
15W40 - Motor Oil - 187 gal.
#32 Hydraulic Oil - 78 gal.
Grease - 55 gal. or 400 lb.
Transmission Fluid - 187 gal.
#68 Hydraulic Oil - 187 gal.
Antifreeze - 75 gal.
Water - 75 gal.
Gasoline - 300 gal.
Diesel Fuel - 300 gal.
Waste Oil - 122 gal.

2-111

FOR INFORMATION ONLY

Procedure Review Request Form (PRRF)

(1) No. 00556-C Rev. 0 Title Traffic + Parking Control

( ) New (✓) Revision/(Deletion) ( ) Biennial ( ) Change Required
( ) No Change Required

Reason for deletion/revision Interoff. Corresp., dtd Sep 17, 1985, transfers responsibility for this procedure to Chief Adm. Dept. (Proc. # 70030-C

Originator John Lewis (Signature) 12/12/85 (Date)

(2) All applicable licensing commitments included or resolved
Quality Review performed by: (No IDENTIFIED COMMITMENTS APPLY) Burt L. Hurst (Signature) 2-3-86 (Date)

(3) PRB review required (Table 2 or Safety Evaluation) (X) Y ( ) N
Safety Evaluation performed by: Burt L. Hurst (Signature) 2-14-86 (Date)

(4) Responsible Department Head Approval R.H. Dean for J.F.D (Signature) 2/25/86 (Date)

(5) PRB Meeting No. PRB-86-13 Date 3/7/86
Recommend: (X) Approval ( ) Approval w/comment ( ) Rejection
This procedure ~~does~~/does not contain an unreviewed safety question.
PRB Chairman [signature] (Signature) 3-10-86 (Date)

(6) PRB comments resolved and procedure changes do not impact Commitment Tracking or Safety Evaluation reviews:
Responsible Department Head Approval N/A (Signature) (Date)

(7) Disposition (✓) Approved ( ) Rejected

Reason for rejection _____

Approving Manager T Bockhold (Signature) 3/11/86 (Date)

FORM FROM 00051-C, Rev. 2

SAFETY EVALUATION

SECTION 1.0

PROCEDURE NO: 00056-C

1.1 Description of proposed change, test, or experiment:
DELETE PROCEDURE 00656-C, PARKING AND TRAFFIC CONTROL, FROM THE PLANT ADMINISTRATIVE PROCEDURE MANUAL AND REISSUE AS PROCEDURE 70030-C IN THE ADMINISTRATION AND FINANCE PROCEDURE MANUAL.

1.2 Reason for proposed change, test, or experiment:
RESPONSIBILITY FOR THE PROCEDURE IS ASSIGNED TO THE PLANT ADMINISTRATION DEPARTMENT. (REFERENCE: BILL BURMEISTER, INTEROFFICE CORRESPONDENCE, SUPERINTENDENT INTERFACE MEETING, SEPT. 17, 1985.)

1.3 Does the proposed change involve a change to Technical Specifications? Yes ___ No X

Explanation: BASED UPON A REVIEW OF THE DRAFT TECHNICAL SPECIFICATIONS, THERE ARE NO TECH. SPECS. APPLICABLE TO THIS PROCEDURE.

1.4 Does the proposed change involve a change in the facility as described or implied in the FSAR? Yes ___ No X

Explanation: THERE IS NO CHANGE IN THE FACILITY AS DESCRIBED IN OR IMPLIED IN THE FSAR RESULTING FROM THE CHANGES IN THE PROCEDURE.

1.5 Does the proposed change involve a change in procedures described or implied in the FSAR? Yes ___ No X

Explanation: BASED UPON A REVIEW OF CHAPTERS 13.0 AND 14.0 OF THE FSAR, THIS PROCEDURE CHANGE DOES NOT INVOLVE A CHANGE TO THE PROCEDURES DESCRIBED OR IMPLIED IN THE FSAR.

1.6 Does the proposed change involve a test or experiment not described or implied in the FSAR? Yes ___ No X

Explanation: THIS PROCEDURE DOES NOT PERFORM ANY TESTS OR EXPERIMENTS.

FIGURE 1

2-14-86
DATE

SECTION 2.0

PROCEDURE NO: 00056-C

2.1 Does the proposed change, test, or experiment increase the probability of occurrence or consequences of an accident described in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.2 Does the proposed change, test, or experiment increase the probability or consequences of the malfunction of any equipment or component assumed to function in accidents analyzed in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.3 Does the proposed change, test, or equipment create the possibility of an accident or equipment/component malfunction not described and analyzed in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.4 Does the proposed change, test, or experiment decrease the margin of safety defined by the bases for the Technical Specification? Yes___ No___
Explanation/Justification: N/A

2.5 Does the proposed change, test, or experiment involve an unreviewed safety question? Yes___ No___
Explanation/Justification: N/A

Evaluator Bert T. Yant Date 2-14-86

Supervisor D.L. Hall Date 2-14-86

Department Superintendent R.M. Odom for J.F.O Date 2/25/86

FIGURE 1

Interoffice Correspondence Georgia Power

DATE: November 29, 1984

RE: Plant Vogtle - Units 1 & 2
Plant Review Board
File: X7BD01 System: 3612
Log: GSU-1449
Security Code: NC
Keyword: Plant Review Board

FROM: J. F. D'Amico - PRB Chairman

TO: G. Bockhold, Jr.

The PRB has reviewed the following procedures at PRB-84-36 on November 28, 1984, and unanimously recommends approval:

00656-C, Rev. 0	Traffic and Parking Control	
18031-1, Rev. 0	Loss of Class 1E Electrical Systems	retirement to WFK by GB 12/2/14 JHD
18008-1, Rev. 0	Secondary Coolant Leakage	

The above procedures do not constitute an unreviewed safety question.

Upon approval, these procedures should be returned to me for further processing.

JE Swartzwelder
FOR J.F.D.

cc
CLC:lde

Attachment

xc: PRB members, w/o attachment
VRMS

PROCEDURE REVIEW REQUEST FORM (PRRF)

(1) Procedure No. CO656-C Rev. No. 0

Procedure Title Traffic and Parking Control

(✓) New Procedure
( ) Procedure Revision

Reason for revision: N/A

( ) Biennial Review: ( ) Change Required
( ) No Change Required

( ) Procedure Deletion

Reason for deletion: N/A

Originator: John L. Curtis (Signature) 10/15/84 (Date)

(2) All applicable licensing commitments included or resolved.

~~Quality~~ Technical Review performed by: (Signature) 11-20-84 (Date)
J. M. Knoll

(3) PRB review required either by Table 2 or USQD (attach form):

(✓) YES
( ) NO

USQD review performed by: (Signature) 11-20-84 (Date)
J. M. Knoll

FIGURE 1

(4) Supervisor Approval: [signature] / 11/20/84
(Signature) (Date)

(5) Department Head Approval: [signature] 11/20/84
(Signature) (Date)

(6) PRB Meeting No. PRB 84-36 Date 11/28/84

(✓) Approval Recommended
( ) Approval Recommended with comments
( ) Rejection Recommended

PRB Chairman: [signature] 11/28/84
(Signature) (Date)
FOR J.F.D.

(7) PRB comments resolved and procedure changes do not impact Commitment Tracking or USQD reviews:

Responsible Department Head Approval: N/A /
(Signature) (Date)

(8) Approving Manager's Disposition

(✓) Approved
( ) Rejected

Reason for rejection: _____

Approving Manager: [signature] 12/2/84
(Signature) (Date)

(9) Commitment Tracking data base has been updated. (For revised or deleted procedures which impact Licensing Commitments)

N/A /
(Signature) (Date)

FIGURE 1

COMMITMENT TRACKING DATA BASE UPDATE (CTDBU) FORM

Procedure No. 00656-C Revision No. 0

PROCEDURE TITLE Traffic and Parking Control

Does this procedure contain any licensing commitments: ( ) Yes (X) No

Have any commitments included in previous revisions of this procedure been deleted in the present revision: ( ) Yes ( ) No (X) N/A
If yes, list the commitment and LDCR control number, if applicable, below:

Have any commitments included in previous revisions of this procedure been placed in another procedure or implementing document: ( ) Yes ( ) No (X) N/A
If yes, list the commitment and new resolution document below:

Is this procedure being deleted: ( ) Yes (X) No
If yes, list all commitments previously included and their new resolution document:

All commitments are included or resolved: As applicable

FSAR Section 1.9.17.2

Reviewer Date 11-14-88

J.M. Knell

SAMPLE

SECTION 1.0 SAFETY EVALUATION

1.1 Description of proposed change, test, or experiment:

New Administrative Procedure 00656-C, "Traffic and Parking Control"

1.2 Reason for proposed change, test, or experiment:

To describe the requirements established to control the operation and parking of vehicles inside the Vogtle Electric Generating Plant controlled area by employees, visitors, and contractors.

1.3 Does the proposed change involve a change to Technical Specifications? Yes ____ No ✓

Explanation: Technical Specifications are not directly involved with this administrative procedure scope.

1.4 Does the proposed change involve a change in the facility as described or implied in the FSAR? Yes ____ No ✓

Explanation: This is an administrative procedure that establishes controls for traffic and parking inside the "owner controlled area" and outside the "protected area."

1.5 Does the proposed change involve a change in procedures described or implied in the FSAR? Yes ____ No ✓

Explanation: This procedure does not involve a change in procedures described/implied in FSAR, since administrative controls are established for traffic/parking.

1.6 Does the proposed change involve a test or experiment not described or implied in the FSAR? Yes ____ No ✓

Explanation: This procedure establishes administration controls and is not involve test or experiments described or implied in the FSAR.

FIGURE 1

SECTION 2.0

2.1 Does the proposed change, test, or experiment increase the probability of occurrence or consequences of an accident described in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.2 Does the proposed change, test, or experiment increase the probability or consequences of the malfunction of any equipment or component assumed to function in accidents analyzed in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.3 Does the proposed change, test, or equipment create the possibility of an accident or equipment/component malfunction not described and analyzed in the FSAR? Yes___ No___
Explanation/Justification: N/A

2.4 Does the proposed change, test, or experiment decrease the margin of safety defined by the bases for the Technical Specification? Yes___ No___
Explanation/Justification: N/A

2.5 Does the proposed change, test, or experiment involve an unreviewed safety question? Yes___ No___
Explanation/Justification: N/A

Evaluator (J. M. Knoll) Date 11-20-84

Supervisor Date 11/20/84

Department Superintendent Date 11/20/84

FIGURE 1

APPROVAL	Georgia Power	PROCEDURE NO.
J Bockhold	POWER GENERATION DEPARTMENT	00656-C
DATE	VOGTLE ELECTRIC GENERATING PLANT	REVISION NO.
12/2/84	UNIT COMMON	0
		PAGE NO. 1 of 3

FOR INFORMATION ONLY VOID

TRAFFIC AND PARKING CONTROL

VOID

1.0 PURPOSE

This procedure describes the requirements established to control the operation and parking of vehicles inside the Vogtle Electric Generating Plant (VEGP) controlled area by employees, visitors and contractors. Entry and operation of vehicles inside the protected area are addressed by Procedure 00653-C, "Access Control".

2.0 DEFINITIONS

2.1 PROTECTED AREA

The area at VEGP encompassed by physical barriers and to which access is controlled.

2.2 PHYSICAL BARRIER

Any of a number of physical obstructions described by 10CFR73.2 constructed to deter unauthorized access, delay intrusion and aid in access control.

2.3 VEGP - CONTROLLED AREA

The area exterior and contiguous to the protected area marked in a manner to provide reasonable assurance that persons entering the area are aware that the property is GPC owned.

3.0 RESPONSIBILITIES

3.1 SUPERINTENDENT, NUCLEAR SECURITY

3.1.1 Ensure the establishment and maintenance of an employee vehicle registration system.

CONTINUED

3.1.2 Ensure the establishment of employee, visitor, and contractor parking areas within the VEGP-controlled area.

3.1.3 Ensure security force enforcement of vehicle parking and operation rules and requirements.

3.1.4 Ensure that a copy of vehicle violation citations issued by the VEGP security force is transmitted to the supervisor of the individual involved.

3.2 SUPERVISORS

Take actions deemed appropriate regarding supervised employees and contractors involved in traffic and parking violations.

3.3 VEGP EMPLOYEES AND CONTRACTORS

3.3.1 Ensure the registration of vehicles as directed by the Superintendent, Nuclear Security.

3.3.2 Park vehicles only in designated parking areas in the VEGP-controlled area.

3.3.3 Operate vehicles in a safe manner observing posted speed limits and traffic control patterns, and security force directions.

4.0 EMPLOYEE VEHICLE CONTROL

4.1 VEGP employees shall contact the Superintendent, Nuclear Security to register vehicles and obtain an identification sticker or decal as required by the established vehicle registration system.

4.2 Identifying decals or stickers shall be issued and applied by members of the security force.

4.3 VEGP employees should notify the Superintendent, Nuclear Security of previously registered vehicles that will no longer be operated in VEGP-controlled areas.

4.4 Identifying decals or stickers should be removed from vehicles upon determination that operation in VEGP-controlled areas is no longer required.

4.5 Employees shall park only in designated employee parking areas.

4.6 Employee vehicles shall not be operated inside the protected areas without prior approval of the Superintendent, Nuclear Security.

CONTINUED

4.7 Access of all vehicles to protected areas shall be in accordance with Procedure 00653-C, "Access Control."

5.0 CONTRACTOR VEHICLE CONTROL

5.1 Contractors employed at VEGP shall adhere to established traffic control patterns and speed limits.

5.2 Contractor vehicle registration shall be as directed by the Superintendent, Nuclear Security and should be based on circumstances such as length of contract, nature of work to be performed and the total number of contractor vehicles involved.

5.3 Contractors shall park only in areas designated by the Superintendent, Nuclear Security or members of the security force.

5.4 Access of contractor vehicles to protected areas shall be in accordance with Procedure 00653-C, "Access Control."

6.0 VISITOR VEHICLE CONTROL

6.1 VEGP visitors shall operate vehicles in accordance with established traffic control patterns and speed limits.

6.2 Visitors shall park vehicles only in areas designated for visitor parking or as directed by members of the security force.

6.3 Visitor vehicles shall not be allowed inside the protected areas.

7.0 REFERENCES

7.1 Title 10CFR73, "Physical Protection of Plants and Materials"

7.2 FSAR Section 1.9.17

7.3 U.S. NRC Regulatory Guide 1.17, "Protection of Nuclear Power Plants Against Industrial Sabotage"

7.4 ANSI/ANS-3.3-1982, "Security for Nuclear Power Plants"

END OF PROCEDURE TEXT