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FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
CLARK,R.A. Operating Reactors Branch 3

SUBJECT: Forwards addl info to 811016 response re diesel generator operations data for Unresolved Safety Issue A-44,Station blackout.

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TITLE: Station Blackout (USI A-44)

NOTES:

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	NRR/DSI/PSB	05	1	1	ORB#3	13	3	3
	P.BARANOWSKI	01	2	2	REG FILE	04	1	1
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P.O. BOX 529100 MIAMI, FL 33152

FLORIDA POWER & LIGHT COMPANY

October 27, 1981
L-81-466

Office of Nuclear Reactor Regulation
Attention: Mr. Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Mr. Clark:

Re: St. Lucie Unit 1
Docket No. 50-335
Information Request Regarding
Station Blackout - Safety Issue A-44

On October 16, 1981 (L-81-452), Florida Power & Light Company provided information to you in response to your request regarding Station Blackout, Safety Issue A-44. The attached Table 1A, Diesel Generator Operations Data, should have been included with that submittal.

Very truly yours,

Robert E. Uhrig
Vice President
Advanced Systems & Technology

REU/DME/ah

Attachments

cc: J. P. O'Reilly, Director, Region II
Harold F. Reis, Esquire

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3/15/77 - 12/31/77

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Plant Name PSL
Unit No. I

TABLE 1 A

Diesel Generator Operations Data
Calendar Year 19__

Reason for DG Operation, & scheduled Duration of Run	DG No.	Number of Starts	Number of Failures	Percent Loading of DG (KW)	Duration of Run Before Stop For Each DG Failure	Identification of Failure (Refer to attached LERs or Table 3)
Tech. Spec Req'd Test	A	26	1	~40%	~ 20 minutes	Turbo charger Failure - LER 335-77-42
See Note 1→	A	4	0	~ 0%	-	Loading not required - See Note 2
						25 were 1 hour, 1 was 2 hours
See Note 5→ and 6	B	35	0	~40%	-	34 were 1 hour run, 1 was 2 hours
DG Actual Demand Starts not for Testing	A	4	0	~50%	-	---
	A	1	0	0%	-	Loading not required - See Note 3
	B	3	0	~50%	-	
	B	1	0	0%	-	Loading not required - See Note 3
Miscellaneous Tests (Specify Type)	A	5	0	~40%	-	
	A	1	0	0%	-	Loading not required.
Retest after Maintenance (If loading required 1 hour run)	B	5	0	~40%	-	---

NOTES	3/15/77-12/31/77	Notes Table 1A
1	A D/G	Tech. Spec. Req'd. Tests The Total of 26 plus 4 starts does NOT include 8 starts done 10/3 through 10/4/77 for post repair verification after turbo charger replacement. Final verification test is included. No start failures. 25 of the 26 were 1 hour minimum runs. 26 were 2 hours.
2	A D/G	The 4 "0%" loading tests are for surveillances when loading was NOT required, only operability (start) testing (when startup transformer or other D/G were out of service).
3	A & B D/G	D/G's received start signal but offsite power was not lost so they did not load (5/11/77).
4	A D/G	Included in the starts but not considered as a failure is 1 successful start and load when operator shut down unit before completion of test due to load fluctuations - probably due to system not D/G. No problems found - retested OK shortly afterwards.
5	B D/G	Included in the starts but not considered failures were 3 starts and loads when operator shut down unit before completion of test due to indicated low lube oil (problem of marking on dipstick for cold vs hot conditions), and low cooling water expansion tank level. We can and do, if necessary, add water or lube oil with units running. We feel it is conservative not to do so for testing only.
6	B D/G	Not included is 1 case where D/G started during testing and would have loaded but sticking relays prevented the buss from stripping so breaker, per design, did not close. D/G could have been manually loaded. LER 335-77-40.

1/1/78 - 3/15/78

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Plant Name PSL
Unit No. I

TABLE 1B

Diesel Generator Operations Data
Calendar Year 19__

Reason for DG Operation, & scheduled Duration of Run	DG No.	Number of Starts	Number of Failures	Percent Loading of DG (KW)	Duration of Run Before Stop For Each DG Failure	Identification of Failure (Refer to attached LERs or Table 3)
Tech. Spec Req'd Test	A	2	0	~40%	-	---
	A	3	0	0%	-	Loading not required
If loaded 1 hour run						
	B	2	0	~40%	-	---
	B	2	0	0%	-	Loading not required
DG Actual Demand Starts not for Testing						
Miscellaneous Tests (Specify Type)	A	1	0	~40%	-	---
Retest after Maintenance	B	1	0	~40%	-	---
If loaded 1 hour run	B	1	0	0%	-	Loading not required

Plant Name PSL
Unit No. I

TABLE 1C

3/16/78 - 7/4/78
Diesel Generator Operations Data
Calendar Year 19__

Reason for DG Operation, & scheduled Duration of Run	DG No.	Number of Starts	Number of Failures	Percent Loading of DG (KW)	Duration of Run Before Stop For Each DG Failure	Identification of Failure (Refer to attached LERs or Table 3)
Tech. Spec Req'd Test	A	8	0	~40%	-	See Note 1
	A	1	0	0%	-	Loading not required
If loaded 1 hour run						
	B	4	0	~40%	-	See Note 2 --
	B	1	0	0%	-	---
DG Actual Demand Starts not for Testing	A	1	0	~50%	-	Lost off site power during refuel outage
	B	0	0	-	-	"B" D/G was out of service for maintenance at this time.
Miscellaneous Tests (Specify Type) Retest after Maintenance	A	0	0	0	-	---
	B	1	0	~40%	-	---
	B	1	0	0%	-	Loading not required

NOTES	3/16/78-7/4/78	NOTES TABLE 1C
1	A D/G	The 8 starts and loads include 1 where D/G would not unload normally from control room. It could be unloaded-retested satisfactorily after correction of minor problem.
2	B D/G	The 4 plus 1 starts do not include trouble shooting to determine why B D/G would not synchronize for test loading. B D/G would load onto a dead bus as it does in any actual case. Not a valid failure per R.G. 1.108.