REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8104210441 DOC.DATE: 81/04/16 NOTARIZED: NO DOCKET #
FACIL:50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylva 05000387
50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylva 05000388
AUTH.NAME AUTHOR AFFILIATION
CURTIS,N.W. Pennsylvania Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
YOUNGBLOOD,B.J. Licensing Branch 1

SUBJECT: Submits info re number & types of respiratory equipment for facility.

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NOTES:Send I&E 3 copies FSAR & all amends. 05000387
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INTERNAL:	ACCID EVAL BR26	1	1	AUX SYS BR 07	1	1
	CHEM ENG BR 08	1	1	CONT SYS BR 09	1	1
	CORE PERF BR 10	1	1	EFF TR SYS BR12	1	1
	EMERG PREP 22	1	0	EQUIP QUAL BR13	3	3
	GEOSCIENCES 14	1	1	HUM FACT ENG BR	1	1
	HYD/GEO BR 15	2	2	I&C SYS BR 16	1	1
	I&E 06	3	3	LIC GUID BR	1	1
	LIC QUAL BR	1	1	MATL ENG BR 17	1	1
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PP&L

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NORMAN W. CURTIS
Vice President-Engineering & Construction-Nuclear
770-5381

April 16, 1981

Mr. B. J. Youngblood
Licensing Branch #1
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Susquehanna Steam Electric Station
Respirator Types
ER100450 File 841-2
PLA-728

Docket Nos. 50-387 and 50-388

Dear Mr.Youngblood:

Regarding the numer and types of respiratory equipment for the Susquehanna SES, the following is for your use and guideance:

1) MSA - Self Contained Breathing Apparatus

Self Contained - Storage

Security	30
Health Physics	30
Operations	Included in HP
Emergency Teams	20
	80 TOTAL

2) MSA - DUOFLO Full Face Respirator Combination
Filter Cartridge/Supplied Breathing Air,
Model 401 Pressure Demand.

Assume that the normal refueling outage is the worst case and if sufficient numbers are available for that case normal operations will be adequately covered. Assume only one unit is in outage/refueling at any one time.

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Personnel		(@ 2/day) Respirator Use Rate
Station Maintenance Force	80	160
Company Maintenance Force	200	400
Contractor Maintenance Force	400	800
Company Health Physics Personnel	18	36
Contractor Health Physics Personnel	36	72
	734 X2 =	1468

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It is unreasonable to assume that each person working, is working in a respirator and that he uses two respirators per shift. A more reasonable yet conservative estimate is that 1/3 of the total work force could use a respirator each day. To permit allowance for loss of cleaning, testing, maintenance and distribution a three day supply should be on hand. This dictates a total supply of 1500 respirators.

It is estimated that a crew could successfully clean, maintain, and prepare for reissue 25 respirators per hour or 600 per day. As such the daily output should exceed the daily use rate.

PP&L will maintain a total stock of 1500 Filter/Supplied air respirators which will be adequate to provide for:

1. All personnel in respirators at any one time.
2. All personnel using two respirators per day.
3. Normal outage use rate.

In addition to this, approximately 300 respirators will be dedicated to support of an emergency in emergency kits and storage.

3) To support the cleaning, repair, maintenance and testing Susquehanna SES will have:

   1. Respirator Test Head.
   2. Cleaning Facilities.
   3. Survey, inspection, and maintenance facilities and personnel.

Very truly yours,

N. W. Curtis
Vice President-Engineering and Construction-Nuclear

cc: R. M. Stark

bcc: N. W. Curtis
W. E. Barberich
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C. T. Coddington
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