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AUTH. NAME AUTHOR AFFILIATION
FULLER, L. L. Pennsylvania Power & Light Co.
KEISER, H. W. Pennsylvania Power & Light Co.
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SUBJECT: Monthly operating ~~reports~~ for Jul 1992 for Susquehanna Steam Electric Station. W/920814 ltr.

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Harold W. Keiser
Senior Vice President–Nuclear
215/774-4194

Submitted pursuant to Technical Specifications Section 6.9.1.6

AUG 14 1992

U.S. Nuclear Regulatory Commission
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SUSQUEHANNA STEAM ELECTRIC STATION
MONTHLY OPERATING REPORTS **Docket Nos. 50-387/NPF-14**
PLA-3832 FILE R41-2A **and 50-388/NPF-22**

The July 1992 monthly operating reports for Susquehanna SES Units 1 and 2 are attached.

Very truly yours,

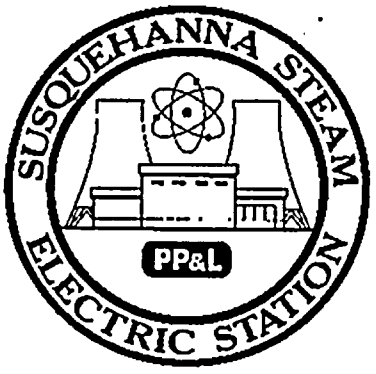
H. W. Keiser

Attachment

cc: NRC Region I
Mr. G. S. Barber, NRC Resident Inspector
Mr. J. J. Raleigh, NRC Project Manager

IE24

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-387

UNIT: One

DATE: 8-6-92

COMPLETED BY: L.L. Fuller

TELEPHONE: (717)542-3858

MONTH July 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	1035	17	1035
2	1015	18	1034
3	917	19	1034
4	1042	20	1034
5	1040	21	1038
6	1041	22	1041
7	1043	23	1039
8	1042	24	1042
9	1032	25	1043
10	1036	26	1036
11	1035	27	1034
12	1036	28	1043
13	1030	29	1038
14	1029	30	1036
15	1031	31	1032
16	1035		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO.: 50-387
DATE: 8-6-92
COMPLETED BY: L.L. Fuller
TELEPHONE: (717)542-3858

Notes

OPERATING STATUS

1. Unit Name: Susquehanna Steam Electric Station (Unit 1)
2. Reporting Period: July 1992
3. Licensed Thermal Power(MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1078
7. Maximum Dependable Capacity (Net MWe): 1040
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

None

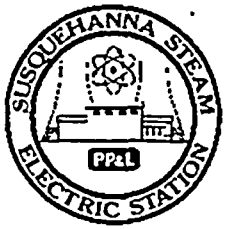
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5111	80,208
12. Number of Hrs Reactor Was Critical	744	3121.0	62,046.9
13. Reactor Reserve Shutdown Hours	0	0	1032
14. Hours Generator On-Line	744	2954.1	60,682.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated(MWH)	2,433,290	8,580,395	190,093,356
17. Gross Electrical Energy Generated (MWH)	795,360	2,809,084	62,102,396
18. Net Electric Energy Generated (MWH)	767,990	2,678,085	59,650,359
19. Unit Service Factor	100	57.8	75.7
20. Unit Availability Factor	100	57.8	75.7
21. Unit Capacity Factor (Using MDC Net)	99.3	50.4	71.5
22. Unit Capacity Factor (Using DER Net)	98.3	49.9	70.8
23. Unit Forced Outage Rate	0	13.3	7.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1992

DOCKET NO. 50-387
UNIT NAME One
DATE 8-6-92
COMPLETED BY L.L. Fuller
TELEPHONE (717)542-3858

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR[3]	LICENSEE EVENT REPORT#	SYSTEM CODE [4]	COMPONENT CODE [5]	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
									No report required for July 1992.

1 2 3 4

F: Forced
S: Scheduled

Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from previous month
5-Reduction
9-Other

Exhibit G-Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

5

Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-387 Date: August 6, 1992

Completed by L. L. Fuller Telephone: (717) 542-3858

Challenges to Main Steam Safety Relief Valves

None.

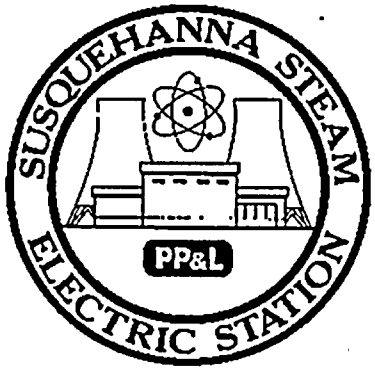
Changes to the Offsite Dose Calculation Manual

Yes - See Attachment A for changes.

Major Changes to Radioactive Waste Treatment Systems

None.

AVERAGE DAILY UNIT POWER LEVEL



DOCKET NO.: 50-388

UNIT: Two

DATE: 8-6-92

COMPLETED BY: L.L. Fuller

TELEPHONE: (717)542-3858

MONTH July 1992

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (Mwe-Net)
1	1038	17	1038
2	1045	18	1007
3	1048	19	974
4	1044	20	1040
5	1043	21	1042
6	1044	22	1046
7	1046	23	1039
8	1043	24	1045
9	1032	25	1045
10	1023	26	1034
11	616	27	1035
12	946	28	1048
13	1029	29	1042
14	1030	30	1041
15	1035	31	1035
16	1040		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO. 50-388
DATE: 8-6-92
COMPLETED BY: L.L. Fuller
TELEPHONE: (717)542-3858

Notes

OPERATING STATUS
1. Unit Name: Susquehanna Steam Electric Station (Unit Two)
2. Reporting Period: July 1992
3. Licensed Thermal Power(MWt): 3293
4. Nameplate Rating (Gross MWe): 1152
5. Design Electrical Rating (Net MWe): 1050
6. Maximum Dependable Capacity (Gross MWe): 1082
7. Maximum Dependable Capacity (Net MWe): 1044
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:
None

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr-to-Date	Cumulative
11. Hours In Reporting Period	744	5111	65,447
12. Number of Hrs Reactor Was Critical	744	5001.0	54,982.8
13. Reactor Reserve Shutdown Hours	0	0	717.9
14. Hours Generator On-Line	744	4967.3	53,964.0
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated(MWH)	2,410,370	16,113,724	171,476,659
17. Gross Electrical Energy Generated (MWH)	786,362	5,319,676	56,226,700
18. Net Electric Energy Generated (MWH)	758,768	5,134,674	54,121,865
19. Unit Service Factor	100	97.2	82.5
20. Unit Availability Factor	100	97.2	82.5
21. Unit Capacity Factor (Using MDC Net)	97.7	96.2	79.2
22. Unit Capacity Factor (Using DER Net)	97.1	95.7	78.8
23. Unit Forced Outage Rate	0	2.8	5.6

24. Shutdowns Scheduled Over Next 6 Months (Type, Date and Duration of Each)
Refuel Outage, September 12, 1992 for 70 days.

25. If Shut Down At End of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July 1992

DOCKET NO. 50-388
UNIT NAME Two
DATE 8-6-92
COMPLETED BY L.L. Fuller
TELEPHONE (717)542-3858

NO.	DATE	TYPE[1]	DURATION (HOURS)	REASON[2]	METHOD OF SHUTTING DOWN REACTOR[3]	LICENSEE EVENT REPORT#	SYSTEM CODE[4]	COMPONENT CODE[5]	CAUSE & CORRECTIVE ACTION TO PREVENT RECURRENCE
5	920710	S	0.0	B	5	NA	XX	ZZZ	Commencing at 2200 hours July 10, Unit two reduced power to 38% for MG set brush change out and D main condenser waterbox cleaning. The unit returned to 100% power at 0104 hours July 13.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram
3-Automatic Scram
4-Continuation from previous month
5-Reduction
9-Other

4
Exhibit G-Instructions for preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

5
Exhibit I-Same Source

SUSQUEHANNA STEAM ELECTRIC STATION

Docket Number 50-388 Date: August 6, 1992

Completed by L. L. Fuller Telephone: (717) 542-3858

Challenges to Main Steam Safety Relief Valves

None.

Changes to the Offsite Dose Calculation Manual

Yes - See Attachment A for changes.

Major Changes to Radioactive Waste Treatment Systems

None.

Attachment A

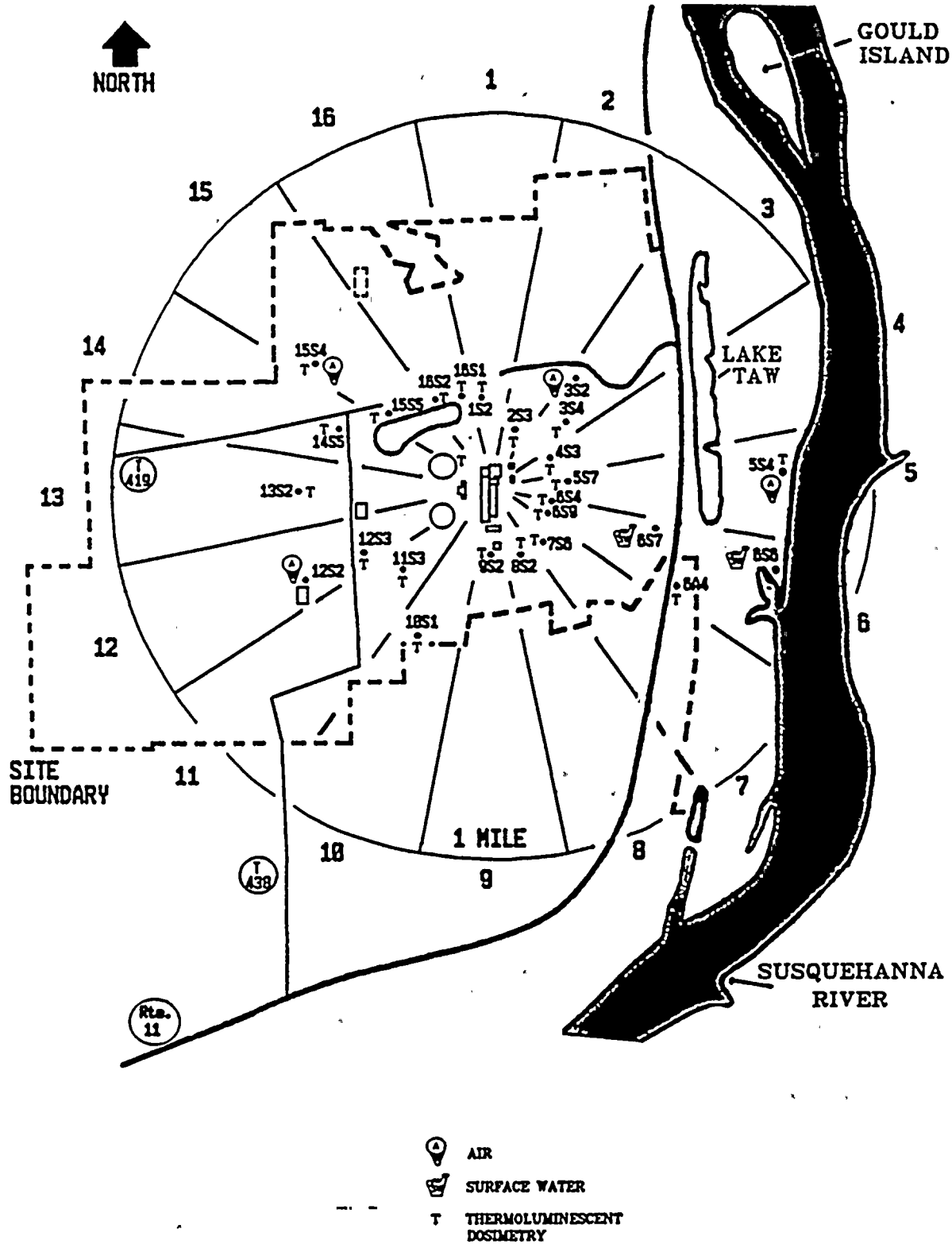
SUMMARY OF ODCM CHANGES

Changes other than those of a minor, editorial nature are summarized below.

1. Figure 6, "Environmental Monitoring Locations Greater than One Mile from the SSES," has been changed to include the Lupini Farm, location 12F7, 8.3 miles WSW of the SSES. The addition of this sampling station is made pursuant to Tech. Spec. Table 3.12.1-1(4c). The Lupini Farm has been added as a vegetable sampling location because it was identified in the 1991 Land Use Census as a location that is irrigating with Susquehanna River water downstream of the SSES discharge. Table 6 was also changed to include the Lupini Farm.

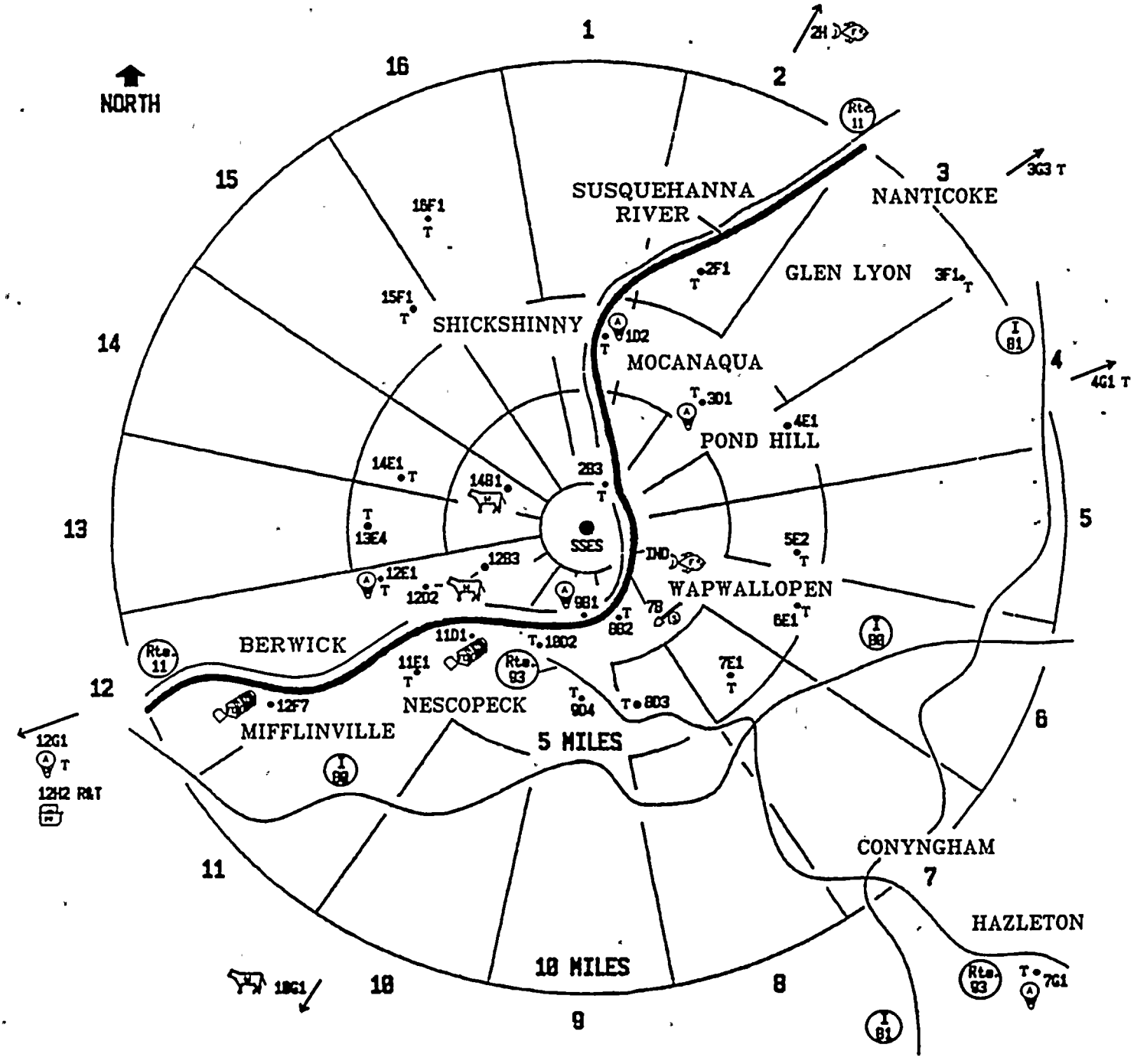
FIGURE 5

ENVIRONMENTAL MONITORING LOCATIONS
WITHIN ONE MILE OF THE SSES



APPV RBS
DATE 2/5/92

FIGURE 6
ENVIRONMENTAL MONITORING LOCATIONS
GREATER THAN ONE MILE FROM THE SSES



APPV BKR
DATE 6/16/92

Exposure Pathways and/or Sample	Number of Samples and Locations*	Sampling and Collection Frequency	Type and Frequency of Analysis
Milk***	12B3 Young Farm - 2.0 mi WSW 10G1 Davis Farm - 14 mi. SSW[a] 14B1 Stola Farm - 1.8 mi. WNW 12D2 Dagostin Farm - 3.7 mi. WSW	Semi-monthly when animals are on pasture, monthly otherwise	Gamma isotopic and I-131 analysis of each sample.
Fish and Invertebrates	Outfall area 2H Falls, PA[a] (Approximately 30 mi NNE)	Semi-annually. One sample[c] from each of two reacreationally important species from any of the following families: bullhead catfish, sunfish, pikes, or perches.	Gamma isotopic on edible portions.
Food Products	11D1 Zehner Farm - 3.3. mi SW vegetable 12F7 Lupini Farm - 8.3 mi WSW vegetable	At time of harvest	Gamma isotopic on edible portions.

*The location of samples and equipment were designed using the guidance in the Branch Technical Position to NRC Rev. Guide 4.8, Rev. 1, Nov. 1979, Reg. Guide 48. 1975 and ORP/SID 72-2 Environmental Radioactivity Surveillance Guide. Therefore, the airborne sampler locations were based upon X/Q and/or D/Q.

**A dust loading study (RHC-TR-81-01) concluded that the assumption of 1 for the transmission correction factor for gross beta analysis of air particulate samples is valid. Air particulate samples need not be weighed to determine a transmission correction factor.

***If a milk sample is unavailable for more than two sampling periods from one or more of the locations, a vegetation sample shall be substituted until a suitable milk location is evaluated. Such an occurrence will be documented in the REMP annual report.

[a] Control sample location.

[b] Two-week composite if calculated doses due to consumption of water exceed one millirem per year. In these cases, I-131 analyses will be performed.

[c] The sample collector will determine the species based upon availability, which may vary seasonally and yearly.

APPV RKRS
DATE 6/16/92

TABLE 7

DETECTION CAPABILITIES FOR ENVIRONMENTAL SAMPLE ANALYSIS

Lower Limit of Detection (LLD)[a]

Analysis	Water (pCi/l)	Airborne Particulate or Gas (pCi/m³)	Fish (pCi/kg, wet)	Milk (pCi/l)	Food Products (pCi/kg, wet)	Sediment (pCi/kg,dry)
gross beta	4	1×10^{-2}				
H-3	2000					
Mn-54	15		130			
Fe-59	30		260			
Co-58	15		130			
Zn-65	30		260			
Zr-95	30					
I-131	1[b]	7×10^{-2}		1	60	
Cs-134	15	5×10^{-2}	130	15	60	150
Cs-137	18	6×10^{-2}	150	18	80	180
Ba-140	60			60		
La-140	15			15		

Attachment A

APPV [illegible]
DATE 2/ '72