

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 BUTLER, W.R. Licensing Branch 2

SUBJECT: Provides status rept of completed activities & planned work re installation of two meteorological monitors & implementation of enhanced primary emergency dose projection sys. Addl towers in place & final calibr completed.

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 TITLE: Licensing Submittal: Environmental Rept Amdt & Related Correspondence

NOTES: 1cy NMSS/FCAF/PM. LPDR 2cys Transcripts. 05000387
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 OL: 03/23/84

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INTERNAL:	ACRS 20		6 6	ADM/LFMB		1 1
	ELD/HDS4		1 1	NRR/DE/AEAB 08		1 1
	NRR/DE/EEB 06		1 1	NRR/DE/EHEB		1 1
	NRR/DE/SAB 07		1 1	NRR/DSI/METB		1 1
	NRR/DSI/RAB 09		1 1	REG FILE		1 1
	RGN1		1 1			
EXTERNAL:	24X		1 1	LPDR 03		2 2
	NRC PDR 02		1 1	NSIC 05		1 1
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1. The first part of the document discusses the importance of maintaining accurate records. It emphasizes that proper record-keeping is essential for the efficient operation of any organization. This section also touches upon the legal implications of record retention and the potential consequences of non-compliance.

2. The second part of the document focuses on the various methods used to collect and analyze data. It describes different types of data collection techniques, such as surveys, interviews, and observations, and discusses how to ensure the reliability and validity of the information gathered.

3. The third part of the document addresses the challenges of data management and storage. It highlights the need for secure and scalable storage solutions and discusses the importance of data backup and recovery procedures. This section also covers the role of data governance in ensuring that information is used responsibly and in compliance with relevant regulations.

4. The fourth part of the document explores the application of data analysis in decision-making. It discusses how data-driven insights can be used to identify trends, forecast future performance, and optimize organizational processes. This section also touches upon the ethical considerations surrounding data analysis and the importance of transparency in reporting results.

5. The fifth part of the document discusses the role of technology in data management and analysis. It highlights the benefits of using advanced data management systems and analytics tools, and discusses the importance of staying up-to-date with the latest technological developments. This section also touches upon the potential risks associated with data security and the need for robust cybersecurity measures.

6. The sixth part of the document concludes by summarizing the key findings and providing recommendations for best practices. It emphasizes the importance of a holistic approach to data management, one that integrates record-keeping, data collection, management, and analysis into a cohesive strategy. The document also provides a list of resources for further reading and a glossary of key terms.

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Pennsylvania Power & Light Company

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Norman W. Curtis
Vice President-Engineering & Construction-Nuclear
215/770-7501

MAY 30 1985

Director of Nuclear Reactor Regulation
Attention: Mr. W. R. Butler, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUSQUEHANNA STEAM ELECTRIC STATION
ADDITIONAL MET TOWERS
ER 100450 FILE 893
PLA-2467

Dear Mr. Butler:

In PLA-1788, dated August 25, 1983, PP&L notified the NRC of its intent to install two permanent supplemental meteorological monitors in the Susquehanna River Valley near Susquehanna SES. Additionally, we embarked on the design and implementation of an enhanced primary emergency dose projection system.

This letter provides a status report of completed activities and planned work.

The additional meteorological towers were added to the system to provide improved wind data in the river valley. The terrain effects on wind patterns in the valley are quite pronounced; however, they are neither constant nor predictable enough to warrant reliance on fixed terrain correction factors. The additional data provided by the supplemental towers is to be used to implement a projection model which includes dynamic terrain correction factors.

The dose projection model being implemented is based on MESOI Version 2.0, An Interactive Mesoscale Lagrangian Puff Dispersion Model with Disposition and Decay as described in NUREG/CR-3344.

This model is being enhanced to provide additional features required to aid in release assessment and protective action determination. These enhancements include these major items:

- o Dose and deposition calculation enhancements.
- o Real time input of meteorological and vent release data.
- o Interactive input data editing.
- o Continuous archiving of meteorological and vent release data with interactive retrieval.

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Page 2

SSES PLA-2467
ER 100450 File 893
Mr. W. R. Butler

The dose projection model is being implemented on an existing computer system located in the Emergency Operations Facility (EOF).

Current Status

The additional meteorological towers are in place and final calibration has been completed. The data from these towers is being transmitted to the EOF where it is being maintained for use by the dose projection model and retrieval by users.

The communication lines to support transmission of vent release data are in place and communication software design and implementation is proceeding. The MESOI model has been installed on the EOF computers and implementation of the enhancements and real time data input is proceeding. We anticipate completing these efforts during the second quarter of 1986.

Very truly yours,



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

cc: M. J. Campagnone - NRC
R. H. Jacobs - NRC

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