



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PA 19406-1415

January 16, 2001

Docket No. 030-05980

License No. 37-00030-02

William Lynch  
Vice President  
Safety Light Corporation  
4150-A-Old Berwick Road  
Bloomsburg, PA 17815

SUBJECT: Safety Light Meeting Summary

Dear Mr. Lynch:

This letter transmits the meeting summary and your handouts (Enclosure 1) from our discussions held on November 6, 2000 at the NRC Region I Office. NRC had requested this meeting with Safety Light Corporation (SLC) and its contractor, which was open for public observation. The purpose of this meeting was to discuss the Safety Light Corporation (SLC) Decommissioning Cost Estimate (DCE) and Decommissioning Plan (DP) for the Bloomsburg, PA facility, which were submitted on October 27, 2000 to satisfy License Condition No. 13, and to discuss proposed actions for disposal of radioactive material removed from the silos, including characterization of the material.

NRC was represented by both regional and headquarters managers and staff. Also participating in the meeting, in person or by tele-conference were representatives from the Commonwealth of Pennsylvania Department of Environmental Protection (PADEP), the Commonwealth of Pennsylvania Department of Health, the U.S. Environmental Protection Agency (EPA), RIII and the U.S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry (ATSDAR). Enclosure 2 lists the attendees for the meeting.

Discussions began with the licensee summarizing their DCE and a priority ranking for other remediation projects, if funding were available. SLC estimates a cost of nearly \$24 million dollars to remediate the facilities and soil to a condition that would permit an unrestricted use based on a dose to the public of less than 25 millirem per year from applicable pathways. The licensee provided a table of their revised site specific Derived Guideline Concentration Levels (DGCLs), which were generated using the dose assessment computer code, RESRAD 6.0. (The revised DGCLs were incorporated into the DCE and DP, and submitted to NRC on December 6, 2000). During this meeting, SLC provided a status of available funding. Projected expenditures regarding their insurance claim litigation were estimated at ten to fifteen thousand dollars per month.

Discussions then centered on the storage of the radioactive material removed from the silos and the status of the proposed actions for eventual off-site disposal. The licensee stated the silo waste is stored in drums and boxes on pallets in a posted secured area. The licensee also planned to cover the silo waste, and through subsequent conversations confirmed that the drums and boxes have been tarped. The location of the silo waste could become flooded, as it

was in 1972 from the Hurricane Agnes. If this occurred, the EPA and Commonwealth are concerned about the speed of flow from the river and debris coming down from the river that could impact the drums. The licensee had chosen this location away from the processing buildings to reduce the dose rate to the workers, and because it was unlikely that the river would flood to levels that could impact the storage of the silo waste. The licensee also stated that it was pursuing a legal remedy from their first contractor to prepare the silo waste for shipment, but it was also considering another bid of about \$400,000 to sort, characterize and re-package the silo waste. The licensee stated they would not take any further actions until approved by NRC.

In addition to the radioactive material, initial sampling of the silo waste indicated the presence of mixed waste. PADEP had received full delegation from EPA for the responsibility for mixed waste as of November 27, 2000. Therefore, with NRC and the Commonwealth having dual jurisdiction, SLC was seeking a coordinated course of action. PADEP stated that they do have a Memorandum of Understanding regarding NRC activities, however, the radium and mixed waste areas are additional areas of concern. PADEP and NRC agreed to meet again to discuss next actions.

Sincerely,

***Original signed by Marie Miller***

Senior Health Physicist  
Decommissioning and Laboratory Branch  
Division of Nuclear Materials Safety

Enclosures: As Stated

cc w/encls:

Larry Harmon, Plant Manager, SLC  
David Allard, Director, Bureau of Radiation Protection, PADEP  
Robert Maiers, Chief, Decommissioning Division, PADEP  
Mark A. Lavin, Environmental Health Specialist, PADOH  
Rich Shipman, Chief, Division of Hazardous Waste Management, PADEP  
James Kopenhaver, Manager, Radiation Protection Program, PADEP  
Thomas M. Crowley, Assistant Counsel, Office of Chief Counsel, PADEP  
William Belanger, Health Physicist, EPA RIIL  
Linda Baxter, EPA Site Assessment Manager, EPA RIIL

William Lynch  
Safety Light Corporation

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Distribution w/encls:

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## **MEETING ATTENDEES**

### Safety Light Corporation

William Lynch, Vice President  
Larry Harmon, Plant Manager  
Mark Kirshe, Consultant to SLC  
Greg McGinnis, Consultant to SLC

### NRC

George Pangburn, Director, Division of Nuclear Materials Safety (DNMS)  
Frank Costello, Deputy, DNMS  
John Kinneman, Chief, Nuclear Materials Safety Branch 2, DNMS  
Ronald Bellamy, Chief, Decommissioning and Laboratory Branch, (DLB) DNMS  
James Kottan, Radiological Safety Program Manager, DLB, DNMS  
Marie Miller, Senior Health Physicist, DLB, DNMS  
Stephen Lewis, General Counsel, Office of General Counsel

### NRC (By Tele-conference)

John Greeves, Director, Division of Waste Management, Office of Nuclear Materials Safety  
Robert Nelson, Chief, Materials Decommissioning Section, DWM, NMSS  
Jack Parrott, Project Monitor, Materials Decommissioning Section, DWM, NMSS

### Pennsylvania Department of Environmental Protection

David Allard, Director, Bureau of Radiation Protection  
Thomas Crowley, Office of General Counsel  
James Kopenhaver, Bureau of Radiation Protection, Southcentral Office  
Robert Maiers, Bureau of Radiation Protection  
Rick Shipman, Waste Management

### Other Attendees (By Tele-conference)

Mark Lavin, PA Department of Health  
Bill Belanger, U.S. Environmental Protection Agency, RIII  
Charles Walters Jr., ATSDAR  
Lora Weiner, ATSDAR