

Ventilation Challenges at the Waste Isolation Pilot Plant

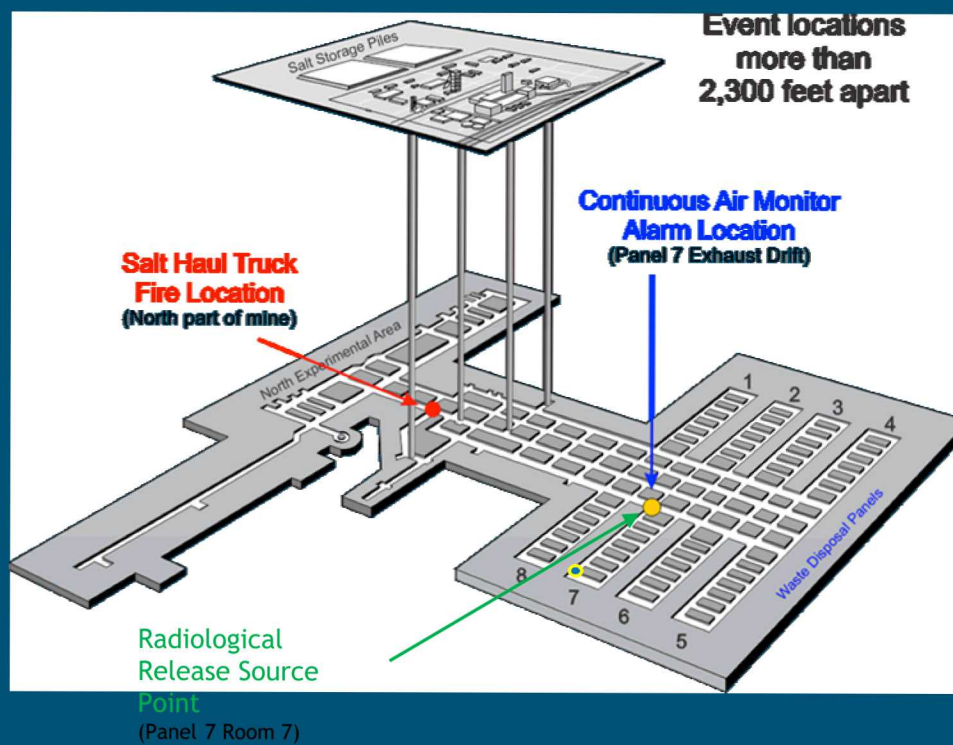


PRESENTED BY

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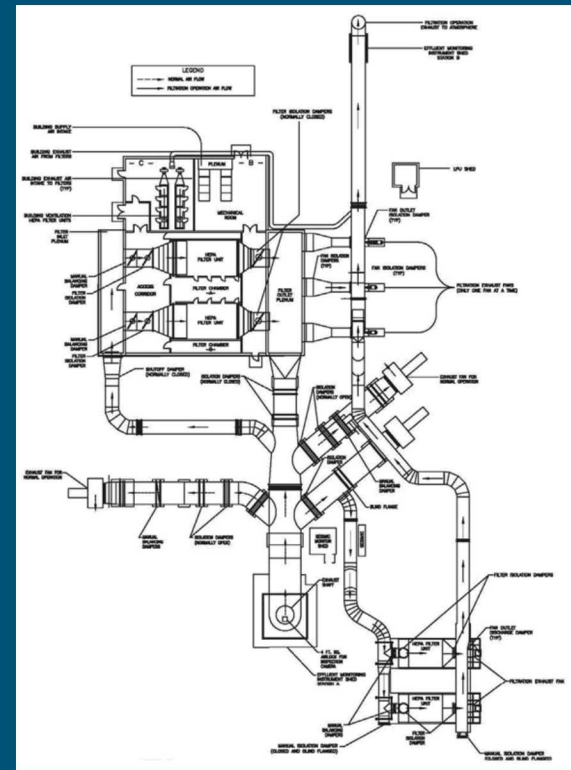
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- February 5, 2014 Salt Haul Truck Fire.
- February 14, 2014 Radiological Release.



Path Forward – Interim Ventilation System

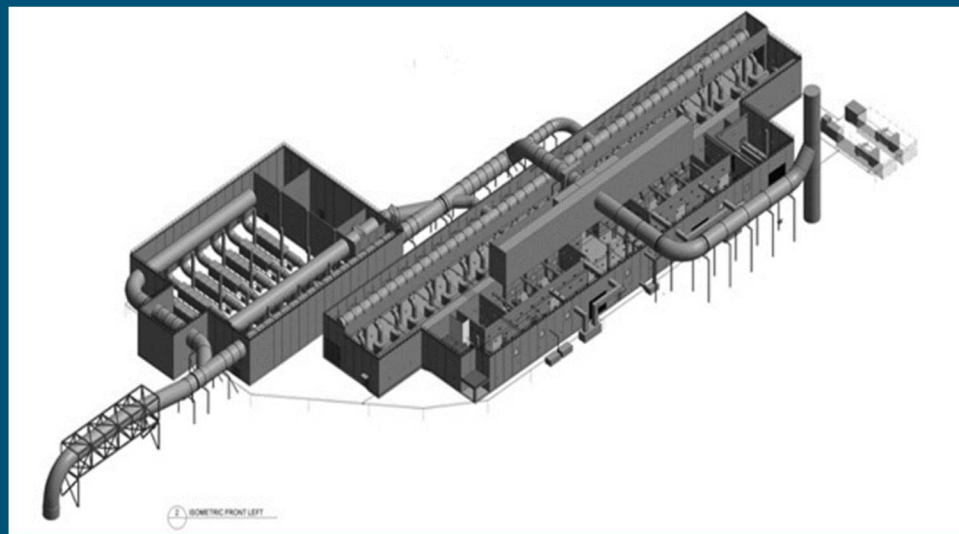
- New Interim Ventilation System tied into existing Underground Ventilation System consists of:
 - 2 additional Filtered Fans
 - 2 additional HEPA Banks
 - Provides an additional 54KCFM
- Maximum capacity of 114KCFM.
- Allows for Waste Handling Operations.



- New Supplemental Ventilation System installed in the Underground consists of:
 - A Booster Fan supplementing the air intake
 - An additional 130KCFM
- Maximum capacity of 250KCFM.
- Allows for Mining Operations.



- Upcoming installation of Safety Significant Confinement Ventilation System will consist of:
 - 6 additional Filtered Fans
 - 22 additional HEPA Banks
 - Utilizes existing Exhaust Shaft
 - New Salt Reduction Building
 - New Filtration Building
- Maximum capacity of 540KCFM.



- The Interim Ventilation System coupled with the Supplemental Ventilation System allows for increased Waste Handling throughput and Mining progress for Panel 8. In addition, Ground Control efforts are allowed additional resource utilization.
- The Safety Significant Confinement Ventilation System will allow for the reduction of major hazards in the Underground such as VOCs and DPMs through dilution as a result of the significant increase in airflow. The new system will also provide an increase the efficiency in work activities for Waste Handling, Mining, and Ground Control. And lastly, the new system will allow for additional panels to be installed to facilitate the disposal of the full LWA TRU waste limit.



Questions?

Thank you!