



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# Regulatory Project Support

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# High Level Waste Relocation Project

- Wetlands Delineation
- State Pollutant Discharge Elimination System (SPDES) Compliance
- National Emission Standards for Hazardous Air Pollutants (NESHAP) Compliance



HLW Haul Road Upgrades



HLW Pad Construction

## Melter Shipment

- NESHAP Calculations
- Indirect Support for Haul Road Upgrade



**Melter Grouting Operations**



**Vitrification Melter, Concentrator Feed Make-up Tank and Make-up Feed Hold Tank**

## NESHAP Approvals



Open Air Demolition



Part of Replacement Ventilation Unit (RVU)

## Well Installations – Replacement of Potable Water Source

- Obtaining Approvals from Cattaraugus County Health Department
- Hydrogeologic Technical Support



Completed Well 1 Showing Electrical and Wireless Panel



Installing New Groundwater Wells

- Obtained New York State Department of Environmental Conservation (NYSDEC) and Army Corps of Engineers approvals
- Facilitated Resolution of Regulatory Stakeholder Issues
- Liaison During Regulatory Inspections/Visits
- Similar Role for Lake 2 Dam and Other Repairs



Lake 1 Spillway Erosion Before Repairs



Lake 2 Dam Repair



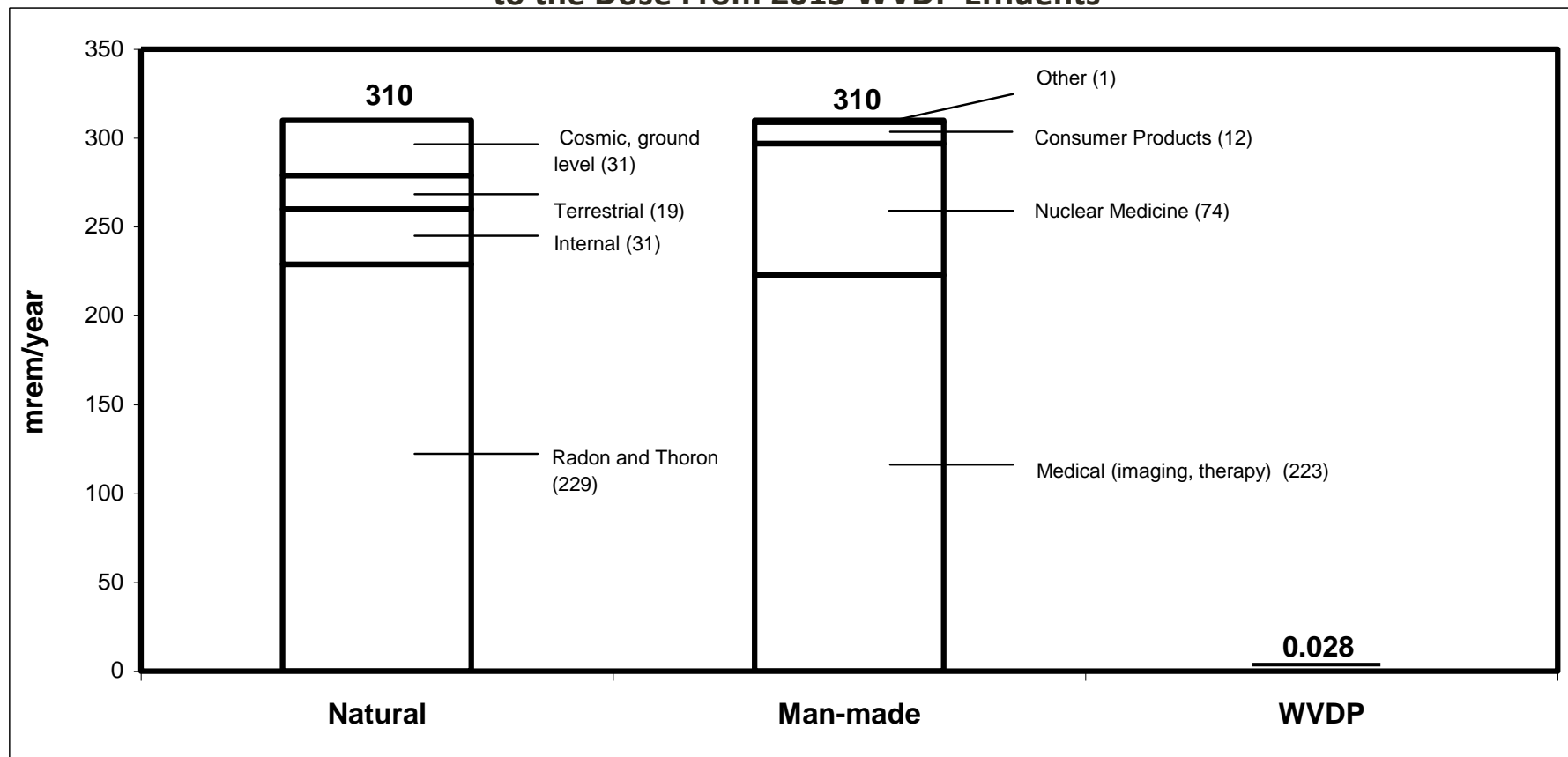
Lake 1 Spillway After Repairs

- Meeting with US Environmental Protection Agency (EPA)
- Main Plant Process Building (MPPB) Replacement Ventilation System
- Open Air Demolition Approvals
- Permeable Treatment Wall (PTW) Performance Update



# Results Reported in 2013 WVDP Annual Site Environmental Report

Figure 3-1. Comparison of Doses From Natural and Man-Made Sources to the Dose From 2013 WVDP Effluents



<sup>a</sup> Source: National Council on Radiation Protection and Measurements (NCRP) Report Number 160,2009



- Support Projects
  - Vitrification (VIT) and MPPB NESHAP (air) compliance
  - High Level Waste (HLW) Haul Road upgrades/environmental media policy
  - SPDES closures
  - Resource Conservation and Recovery Act (RCRA) Closures
- Compliance Deliverables (Discharge Monitoring Reports (DMR), drinking water reports, trend analysis reports, 2014 Annual Site Environmental Report (ASER, etc.)
- Maintain International Standards for Organization (ISO) 14001 Environmental Management System (EMS) Certification
- Monitoring and Data Management Activities
  - Permeable Treatment Wall (PTW)
  - North Plateau and South Plateau groundwater
  - Ambient air
  - Storm water
  - Effluents
  - Drinking water

QUESTIONS?