



Idaho Treatment Group

Presentation To The Citizens Advisory Board

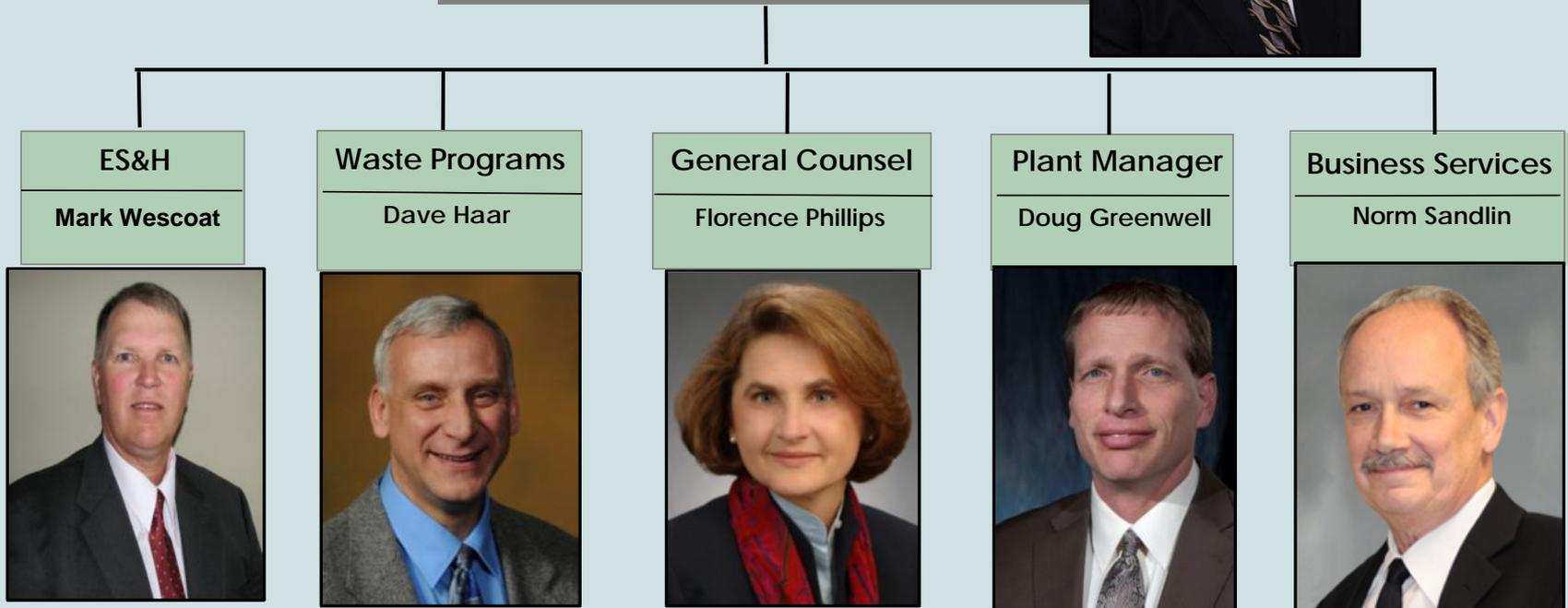
Danny Nichols
President and Project Manager
Advanced Mixed Waste Treatment Project
January 23, 2013



Who We Are



President and Project Manager
Danny Nichols



*Idaho Treatment Group manages and operates the
Advanced Mixed Waste Treatment Project
at the U.S. Department of Energy's Idaho Operations site*



ITG employees safely and compliantly retrieving radioactive waste, stored at DOE's Idaho site for more than four decades.

Workers at AMWTP focus on the safe and compliant retrieval, characterization, treatment and shipment of 65,000 m³ of legacy stored contact handled transuranic contaminated waste for permanent disposal at sites outside of Idaho and to support the receipt and processing of transuranic waste from other DOE sites for shipment to the Department's Waste Isolation Pilot Plant (WIPP).



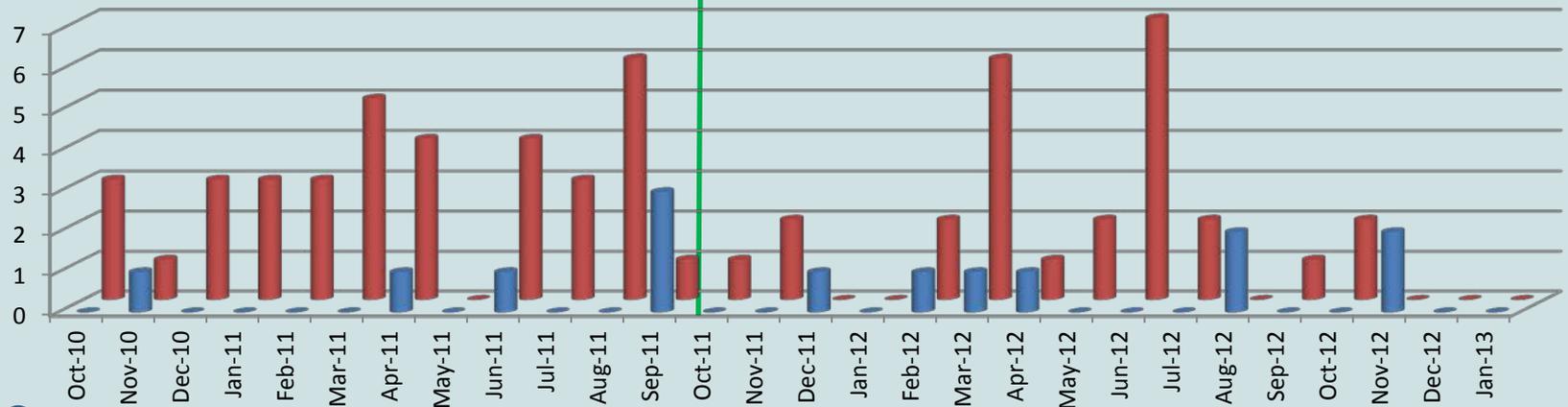
Injury/Illness Performance

Pre-ITG (BBWI)

Total Injuries for FY-11: 42
3.4 Injury Events/Month

ITG

Total Injuries Since Contract: 30
1.9 Injury Events/Month



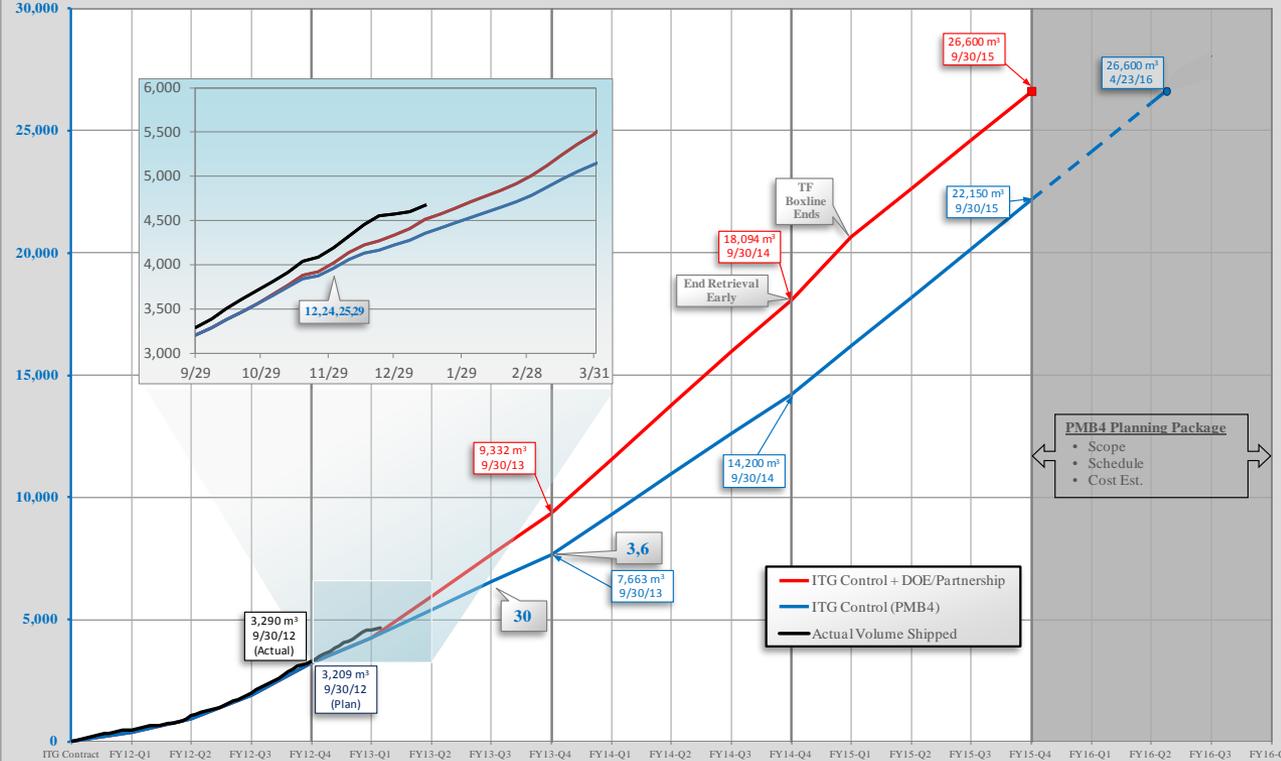
 OSHA Recordable Cases - TRCR: 1.09 (rolling 12 months)  First Aid Cases - FACR: 3.27 (rolling 12 months)

- 1.6 million Safe Hours (no lost time) worked under ITG management
- 14 million Safe Hours (no lost time) cumulative
- Last 4 Recordables: finger sutures, foot contusion, 2 knee strains
- 41% reduction in injury events per month overall



AMWTP Recovery Action Items Implementation - Updated 01-14-13

Cubic Meters of Waste Shipped



	FY2012	FY2013	FY2014	FY2015	CUMULATIVE	FY2016
CASH FLOW						
Anticipated Funding	\$112.0M	\$112.0M	\$112.0M	\$112.0M	\$449.9M	
Actual Volume	3,290 m³					
Annual Volume	3,209 m³	4,454 m³	6,537 m³	7,950 m³	22,150 m³	4,450 m³
Annual Volume	3,209 m³	6,123 m³	8,762 m³	8,506 m³	26,600 m³	

Recovery Action Items (RAIs)

(Green text indicates completed RAI)

- RAI 1 - Begin Drum Retrieval Operations
- RAI 2 - Staff AK Support Personnel, Evaluate PPE Conservatism
- RAI 3 - Add Additional Staff to Achieve Retrieval Rate
- RAI 4 - Begin Box Retrieval Operations
- RAI 5 - Evaluate PPE Conservatism, Remove/Phase Out ICE
- RAI 6 - Add Additional Staff to Achieve Retrieval Rate
- RAI 7 - Macroencapsulate MLLW Product Drums
- RAI 8 - Enhance Treatment Tent Processes
- RAI 9 - Procure Attachments for Brokk
- RAI 10 - Replace BOGR Blade
- RAI 11 - Install Dunnage Stand
- RAI 12 - Redesign SDOP
- RAI 13 - Improve Box Shredder
- RAI 14 - Harden AMWTF Ventilation Electrical System
- RAI 15 - Obtain Allowance for Prohibited Item Compaction
- RAI 16 - Obtain Allowance for Shipment of PCB Liquids
- RAI 17 - Obtain Allowance for Payload Management of Liquid
- RAI 18 - Obtain Allowance for Internal Container Liquid
- RAI 19 - Begin Treatment of Organic Solids by CWI/ARP V
- RAI 20 - Implement Uncharacterized SDOP Process
- RAI 21 - Implement WTS Data Roll-ups for Overpacks
- RAI 22 - Install Upgraded RTR Equipment
- RAI 23 - Obtain CBFO Relief from Compliance Order
- RAI 24 - Maximize Utilization of CCP through Partnering
- RAI 25 - Modify/Create AK Baselines
- RAI 26 - Obtain Allowance for Elimination of Sampling
- RAI 27 - Implement "Fix It Now" Program
- RAI 28 - Improve Document Change/USQ Process
- RAI 29 - Improve Software Change Control Process
- RAI 30 - Improve Work Planning and Control Process

AMWTP Lifecycle



New Improvement Initiatives

- Implemented Operational Excellence Program where workforce driven improvements are implemented
- Drill & Drain treatment of ~4,700 drums of inorganic sludge waste
- Drum Import/Export Glovebox to treat sludge waste and reduce cell entries
- Implementing a major regulatory change allowing supercompaction treatment of liquids and aerosol cans (March 2013)



Employees conduct a test drill in the bottom of a drum that will allow liquids inside to flow out.



Members of the Six Drum Overpack Treatment Process Productivity Rapid Improvement Event Team show DOE's representatives an idea the team came up with to enhance productivity, an equipment status board.

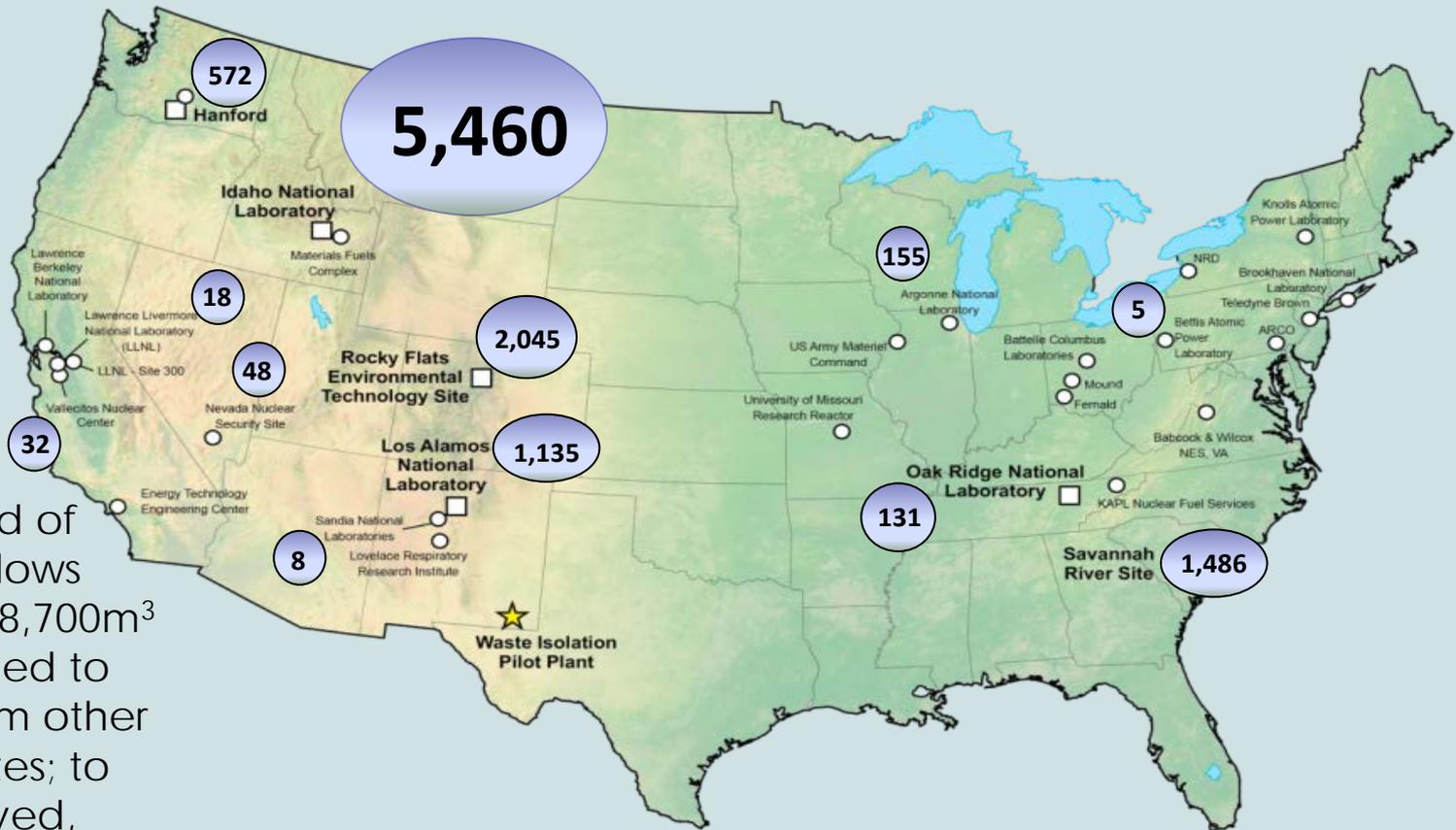


An employee describes to another a technique he used to maneuver a drum inside the Drum Export/Import Glovebox. The drum in the glovebox is being lowered into an 83-gallon overpack drum.



ITG Idaho Treatment Group

#1 Shipper To WIPP



- DOE Record of Decision allows more than 8,700m³ to be shipped to AMWTP from other complex sites; to date received, validated or treated, and shipped ~600m³ from 11 sites

Transuranic waste shipments from DOE sites to WIPP as of Jan. 7, 2013. AMWTP has made close to 50 percent of all shipments to WIPP.



AMWTP In The LINE Commission

“The Department of Energy’s Advanced Mixed Waste Treatment Project has proven to be a valuable asset in our nation’s quest to safely and compliantly dispose of legacy transuranic and mixed low-level radioactive waste...To save taxpayer’s dollars from building similar treatment facilities at other sites, and to take advantage of an existing world-class workforce that has a proven record of performance for safely and efficiently treating and shipping these types of legacy wastes...we recommend AMWTP should continue to be the facility of choice for similar radioactive waste processing operations for the DOE’s Environmental Management program.”

Progress Report: Subcommittee Recommendations
Idaho Leadership In Nuclear Energy Commission
Dec. 3, 2012

