

WIPP Town Hall Meeting

July 11, 2019

*Sponsored by the U.S. Department of Energy
and the City of Carlsbad, NM*

Agenda

- Welcome – Mayor Dale Janway
- Introduction – Moderator John Heaton
- WIPP Status – NWP President and Project Manager Bruce Covert
- Projects Update – NWP Projects Manager Steve Smith
- Community Commitment Plan – NWP Community Relations Coordinator Khushroo Ghadiali
- National Transuranic Program (video)
- CBFO Update – Acting CBFO Manager Kirk Lachman
- New CERMC Director Tom Klein



Nuclear Waste Partnership employee Ismael Duarte works on a welding project, 2,150 feet underground at the WIPP facility. The WIPP underground is outfitted with numerous maintenance shops where fabrication and repair activities are performed.

WIPP Status

NWP President and Project Manager Bruce Covert



Safety

- Focused effort on continuing to drive VPP excellence
- Increased & focused the Management Observation Program
- Safety Trained Supervisor certifications
- Conducted three Lean, Rapid Improvement Events (RIE) for Panel 8 Mining, Issues Management & Procedure Processes

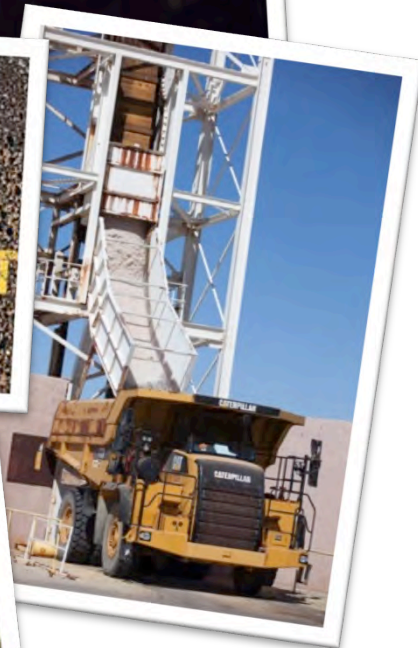


- Working on 5 year Strategic Plan including an Environmental Safety & Health Plan (ESH)
- Established a Mine Safety Team with academia and mine Subject Matter Experts (SME)
- Mine Rescue Red Team placed first in first aid at Southeast Regional Mine Rescue Contest last week in Kentucky!



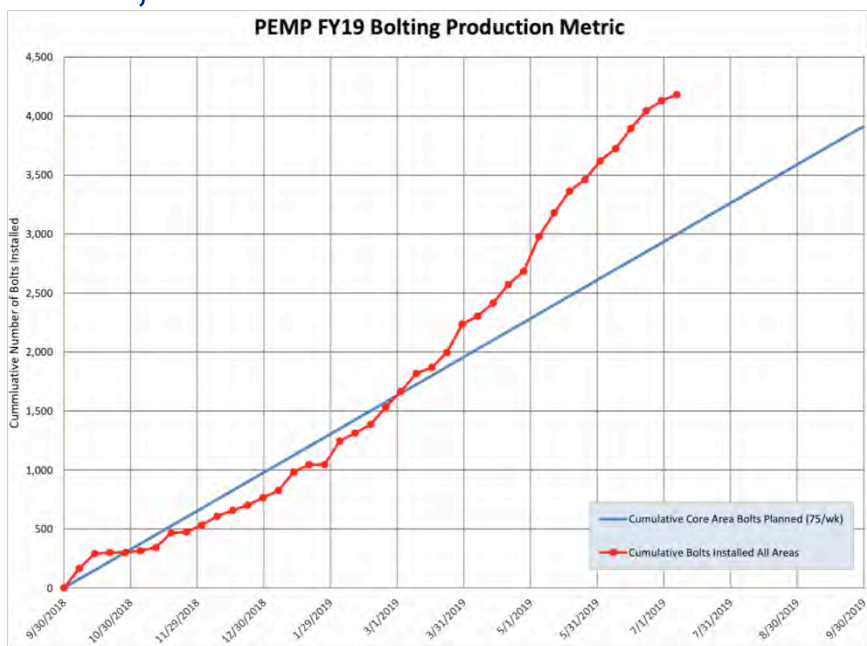
Recent Accomplishments

- Averaged 10 shipments/week in May
 - Total Shipments 12,506
 - FY19 – 229 shipments
- Back-to-back weeks of mining more than 2,000 tons of salt
- Earned Value Management System certification
 - Systematic project management process used to find variances based on the comparison of work planned and work performed
- Approval of CD 2 & 3 (Utility Shaft)

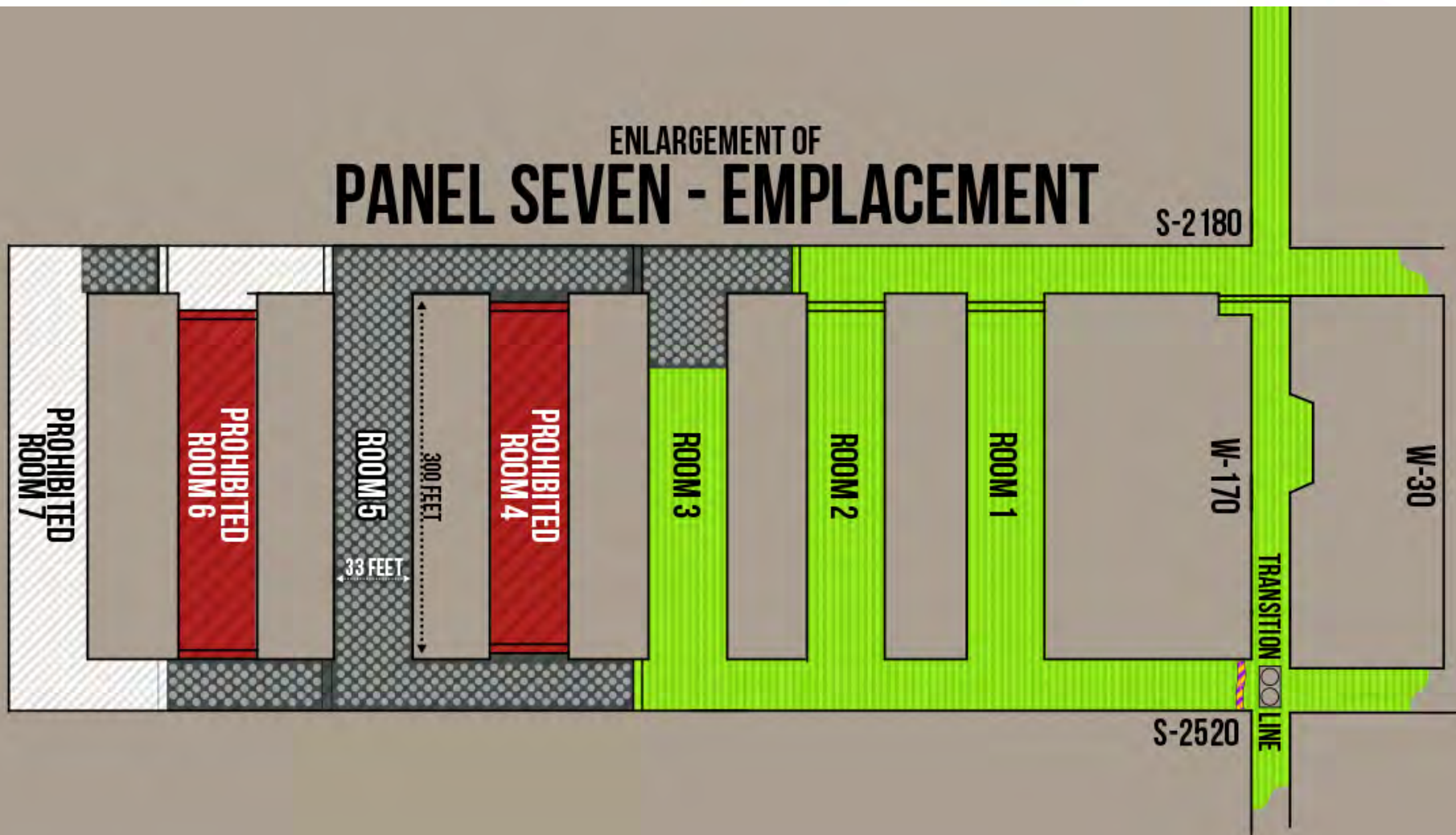


Driver Mark Beene has logged more than a million total miles, over 635,000 of which have been transporting TRU waste to WIPP.

- Shipments/waste emplacement
 - 327 Columns of waste emplaced – Target 515
- Mined over 45,500 tons from Panel 8
- +4,000 bolts installed in FY19

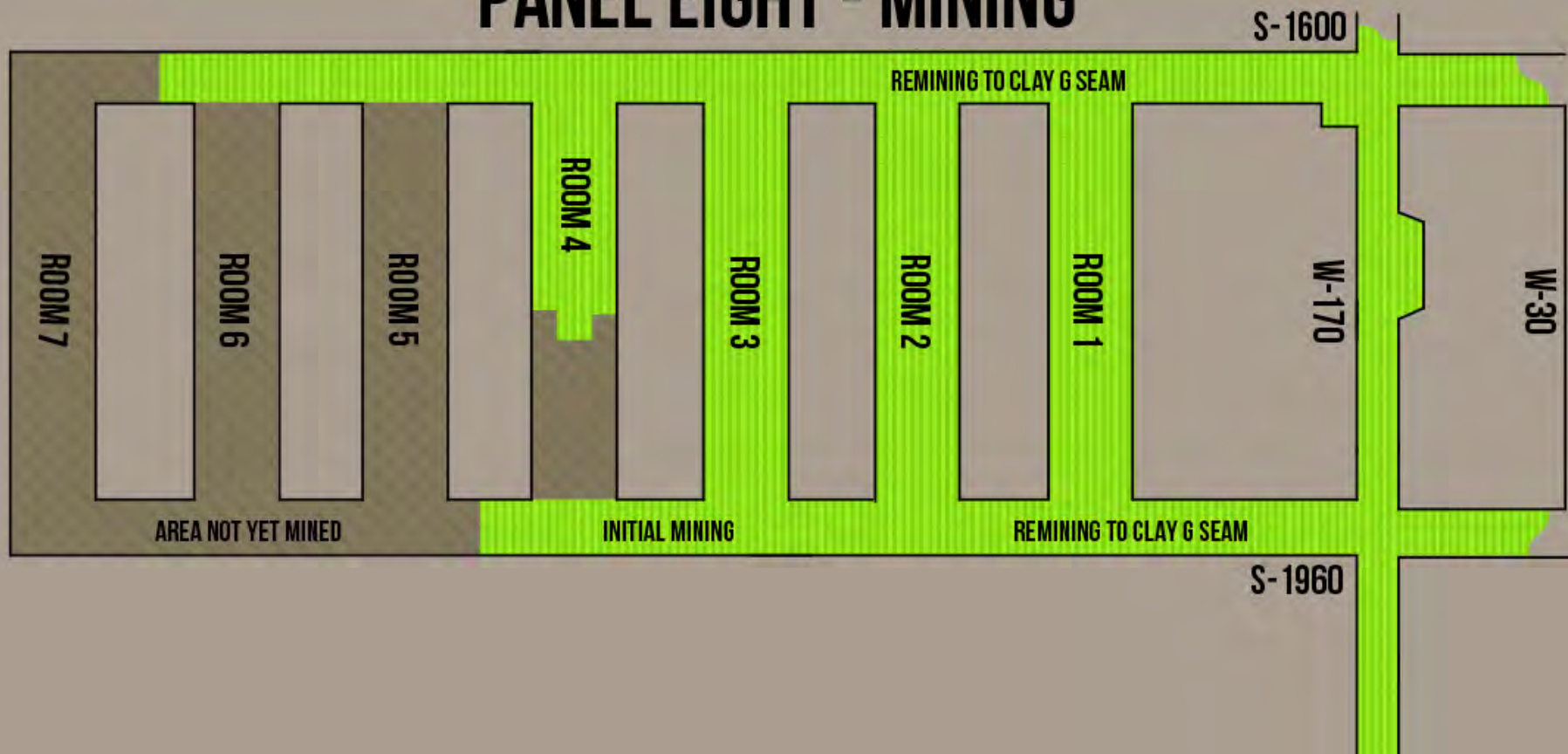


Panel 7 Status



Panel 8 Status

ENLARGEMENT OF PANEL EIGHT - MINING



Operations

- TRUPACT-III readiness progressing well
- First battery-electric Load-Haul Dump vehicle procured and will be on-site in July
- First bulkhead stood up for south end closure



Employee Development

- 19th Leadership Academy
- Leadership Eddy County
- Leadership New Mexico
- Safety Trained Supervisor
- New Supervisor/Manager Training
- Executive Leadership Forum
- Turn the Ship Around
- Lean Events



University Partnerships

WIPP ON CAMPUS

- BROWN BAG SEMINARS
- CLASSROOM SESSIONS



WORKFORCE DEVELOPMENT

- SAFETY CLASSES FOR NWP AND INDUSTRY (SAFETYFEST)
- SKILLS DEVELOPMENT



STRATEGIC UNIVERSITY PARTNERSHIPS

EXPERTS PANEL

- PERIODIC REVIEWS
- RECOMMENDATIONS REGARDING: GROUND CONTROL & MINE DESIGN



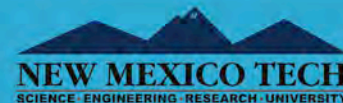
LEADERSHIP DEVELOPMENT

- EXECUTIVE FORUMS
- FRONTLINE MANAGER TRAINING
- 19 CADRES OF THE LEADERSHIP ACADEMY



INTERNSHIPS

- 15-20 INTERNS EACH SUMMER



THE UNIVERSITY OF NEW MEXICO

Projects Update

NWP Projects Manager

Steve Smith



**Nuclear Waste
Partnership**

An AECOM-led partnership with BWXT and ORANO

A nighttime photograph of an industrial facility, likely a power plant or refinery, with various structures and towers illuminated by bright lights. In the foreground, a road bypass is visible, with long, horizontal light trails from moving vehicles. The scene is set against a dark night sky.

Safety Significant Confinement Ventilation System North Access Road Bypass

Video



- **Safety Significant Confinement Ventilation System (SSCVS)**

- Fabrication Assembly Building subcontractor (Christensen Building Group) has commenced excavation of the building foundations and has begun to pour concrete.
- Grade beam excavation and rebar installation has commenced.
- Utilities are being installed.
- The Salt Reduction Building pit floor and walls have been poured and the formwork and rebar is being installed.



- **Utility Shaft**

- CD 2/3 approval received; award of shaft contract is imminent
- North Access Road Bypass
 - Cut and fill completed, including rough grading.
 - Fine grading and placement of filter fabric underway, along with placement of the base course.
 - CMP pipe installation was completed at two of the five locations on the project.



General Plant Projects

- Replacement Air Compressors
- Salt Hoist Repair



General Plant Projects

- Substations 1 & 3 Replacement
- Above Ground Airline Replacement
- WIPP Site Fire Loops Phases 1-4
- Central Monitoring Room Upgrades
- Site Infrastructure Backbone Upgrade
- Lightning Array Upgrade
- Underground Substation Replacement
- Building 411/412 Safety Significant Fire Suppression Design
- Public Address Upgrade Design



Community Commitment Update

NWP Community Relations Coordinator Khushroo Ghadiali



**Nuclear Waste
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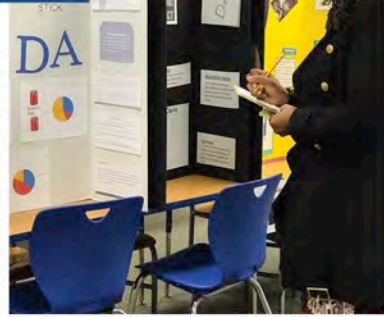
Community Commitment Plan

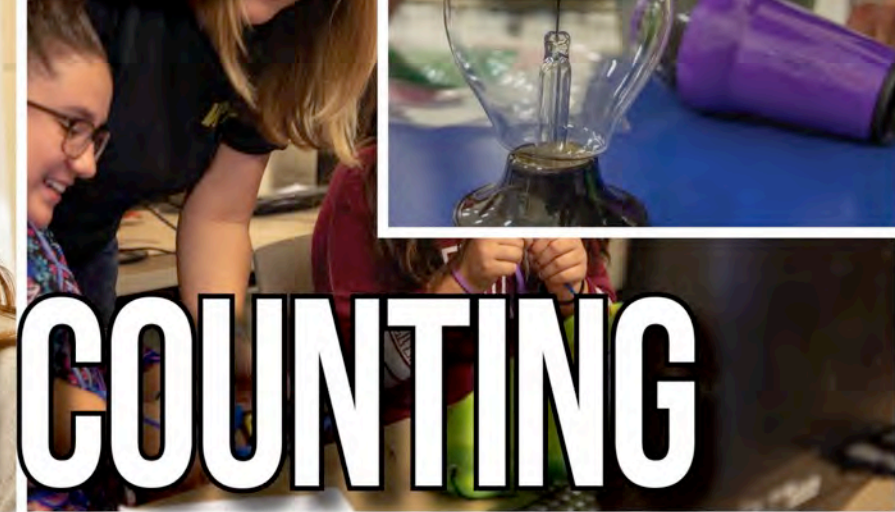
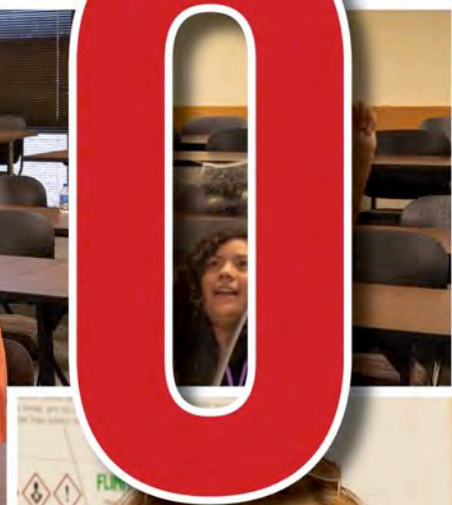
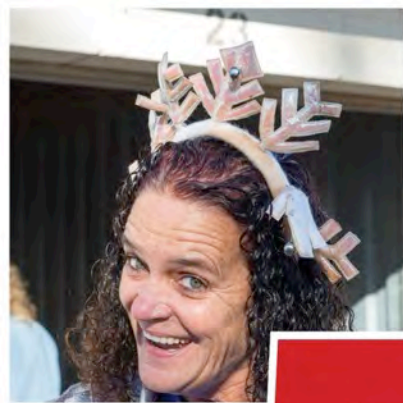
- Several Projects with the City of Carlsbad
 - New pavilion at the beach
 - 5th Street Park rehabilitation
 - Working on shade covers for various parks
 - Planning for a first responder thank you event in the Fall
- \$200,000 in Economic Development Funding
- \$20,000 in Local Scholarships
- \$19,500 in Teacher Mini Grants
- More than \$75,000 in Community Grants
- 18,400 pounds of Food Bank Donations



WIPP VOLUNTEERS

WE LIVE HERE WE GIVE HERE WE WORK HERE WE HELP HERE





HOURS AND COUNTING

Community Commitment Plan

- Upcoming activities
 - Teacher Externship drive
 - Speakers Bureau presentations with the Boy Scouts
- Employees are actively involved with several organizations around town including Rotary, Chamber of Commerce, Battered Women's Shelter, Assistance League, Boys and Girls Club and several others





National Transuranic Program

Video

CBFO Update

Acting Manager Kirk Lachman



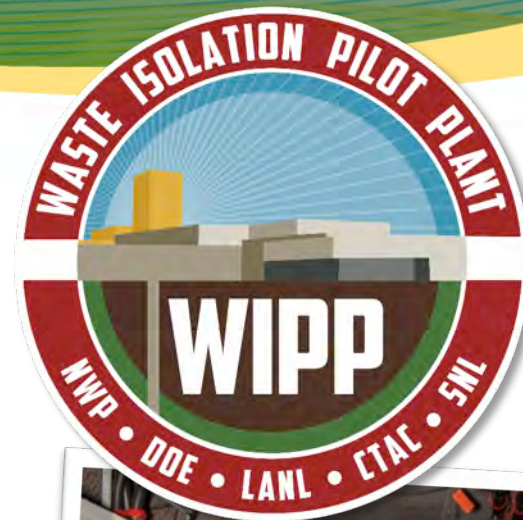
U.S. DEPARTMENT OF
ENERGY

Todd Shrader's New Role

- Principal Deputy Assistant Secretary in the Department of Energy Office of Environmental Management
- Accomplishments at WIPP
 - Restarted the facility
 - Oversaw resumption of WIPP shipments
 - Helped ensure mining successfully restarted
 - Garnered support for capital/infrastructure projects



- 2020 President's budget
 - \$398 million request shows continued strong support for WIPP
 - Congressional Committees providing strong support for WIPP as well
- Working with our Regulators and Engaging our Stakeholders
 - Continuing to build on our good working relationship with the New Mexico Department of the Environment, the US Environmental Protection Agency, the Nuclear Regulatory Commission,
 - Regularly meet with the Mine Safety and Health Administration as well
 - Continue to engage stakeholders by holding public meetings in Carlsbad and Santa Fe on regulatory submittals
- Opportunities at the Carlsbad Field Office (CBFO)
 - Many vacant positions
 - All positions will be posted on USAJobs.gov
 - Please consider applying or tell your family and friends about the positions



- WIPP Strategic Plan Workshops (Carlsbad & Santa Fe)
 - CBFO made commitment to brief public on contents of plan
 - Looking at August/September timeframe for meetings



Overview of the Carlsbad Environmental Monitoring & Research Center (CEMRC) Thomas M. Klein, Director



Thomas M. Klein - Director

- Born in Las Vegas, NM
- Masters of Science Degree in Environmental Biology – Emporia State University
- 40+ years Environmental Experience
 - Water Pollution Control, Asbestos Abatement Training, Superfund Cleanup(7 sites), Environmental Consulting, Cooper Nuclear Station, ORNL, EEG, NMED, and RES-WIPP.
- 17+ years WIPP Experience



CEMRC Overview (Maintain Status Quo)

- Created in 1991 to conduct an independent environmental monitoring program of the WIPP.
 - Funded Primarily by the Department of Energy
 - Current funding level approximately \$2.6m per year
 - WIPP Underground Exhaust Air (Daily)
 - Ambient Air (~Bi-Weekly)
 - Drinking Water (Annually)
 - Soil (Annually/Bi-Annually)
 - Surface Water & Sediment (Bi-Annually)
 - Whole Body Counting for Area Residents age 13+ (As Requested)
- CEMRC performs several subcontracts for DOE-related and Nuclear-related Entities
 - Volatile Organic Compound, Hydrogen, and Methane Analyses for WIPP - Nuclear Waste Partnership (NWP)
 - In-vivo Radiobioassays (Whole Body Counting) for WIPP - Nuclear Waste Partnership (NWP) and Waste Control Specialists (WCS)
 - Miscellaneous Contracts as requested



CEMRC Vision for the Future

- Maintain independent monitoring analysis (DOE-WIPP, LANL, SNL, Internal Dosimetry, etc.)
- Pursue Independent Monitoring and Analysis for Oil/Gas Activities in the Delaware Basin
- Pursue Passive Institutional Controls Research – WIPP (International)
- Pursue Independent Monitoring of the Holtec Facility pending licensure
- Pursue DOE-Legacy Management Monitoring and Archives for WIPP
- Pursue Miscellaneous Contracts for Environmental Monitoring and Analysis in New Mexico
- Pursue Construction of a New Laboratory Wing



Questions?