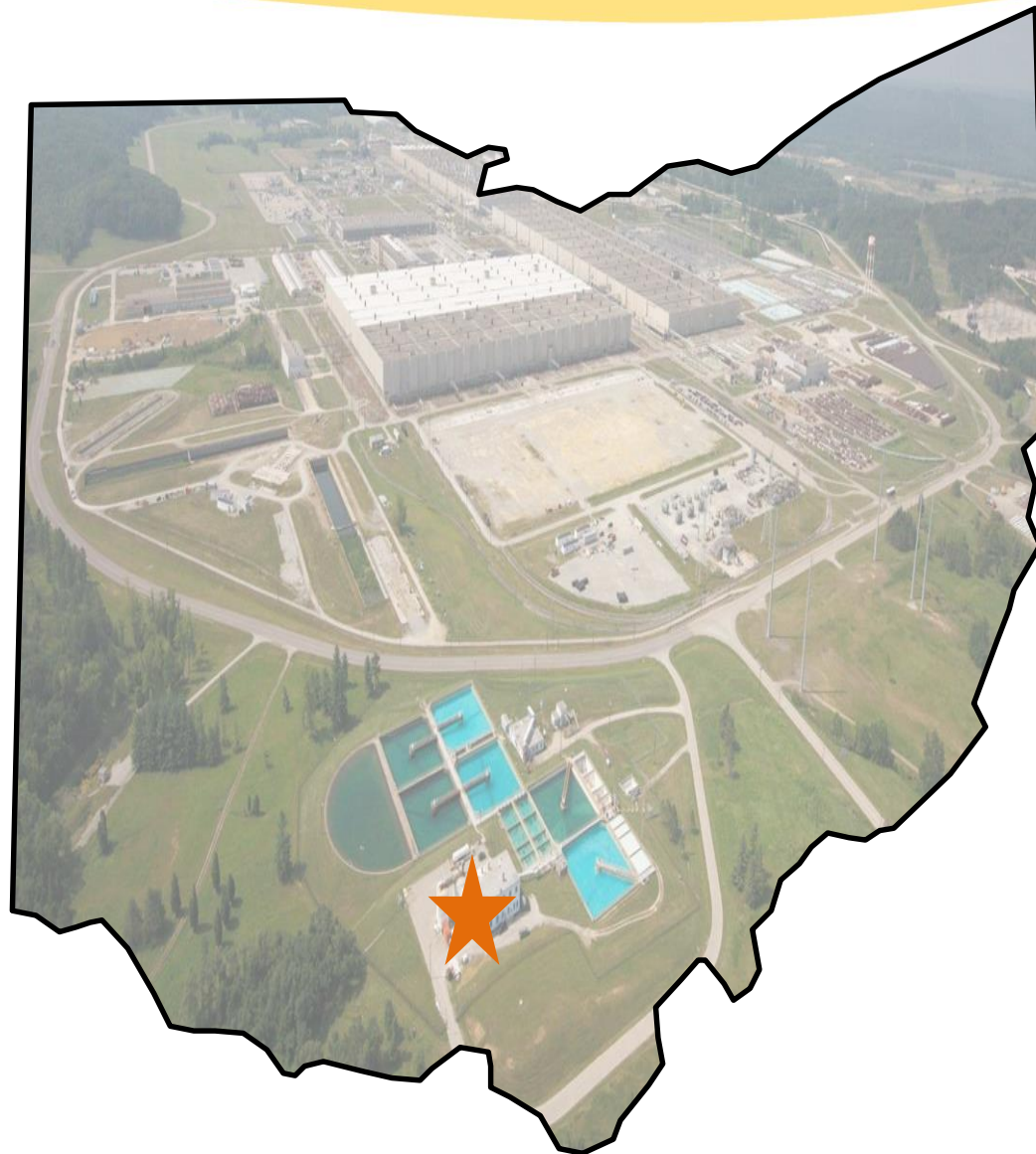


Dr. Vincent Adams

➤ Site Director

U.S. Department of Energy





- ▶ FBP awarded Portsmouth D&D contract in August 2010; Began D&D activities in March 2011.

- Contract expires March 28, 2016 (w/5-yr option)



- ▶ WEMS is responsible for site infrastructure maintenance, training, security and other services.

- Contract expires July 25, 2015



- ▶ BWCS operates the DUF_6 conversion plant, which converts depleted uranium hexafluoride into oxide for reuse or disposal and HF for use in commerce.

- Contract expires Jan. 1, 2016



Restoration Services, Inc.

- ▶ RSI assists DOE with strategic planning, oversight, regulatory & technical support.

- Contract expires Sep. 30, 2016 (w/2-yr option)

Challenges & Priorities

- **Safety**
- **Deactivation of process buildings**
- **Dismantling and disposal of GDP's three process buildings and more than 300 support facilities**
- **Finalize regulatory decisions (demolition and on-site vs. off-site waste disposition)**
- **Continue to drive down mortgage/landlord costs**
 - Outsource services
 - Exit high cost facilities
 - Keep maintenance of old buildings to safe levels
- **Environmental remediation**
- **Right-sizing of facilities**
- **Develop Lifecycle Baseline**
- **Maintain strong collaboration/partnership with stakeholders**

Portsmouth Project Completion

CURRENT



END STATE



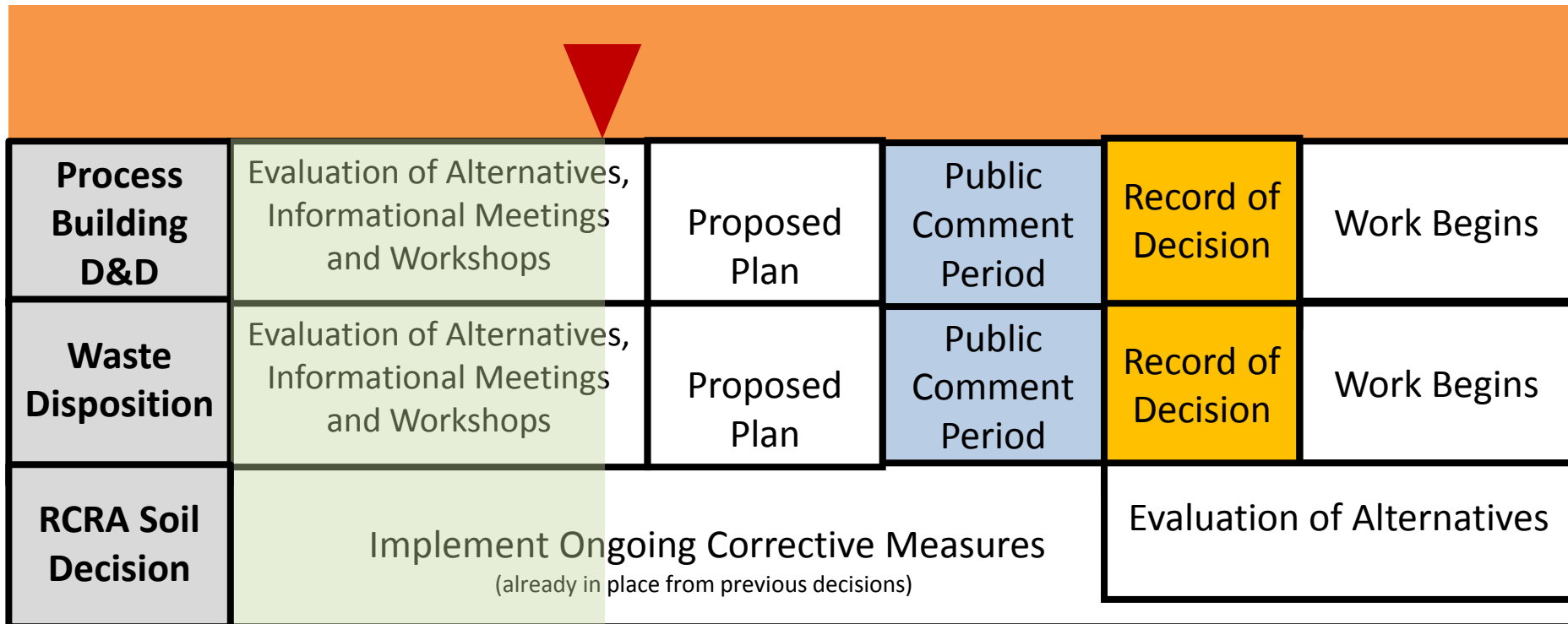
- **Regulatory progress**
- **Demolition projects**
- **Deactivation**
- **Waste shipments**
- **Environmental remediation**
- **Recycling**
- **Community outreach**

Regulatory Drivers

- Ohio EPA Director's Final Findings & Orders (DFF&O)
- Consent Decree

Regulatory Progress

- Proposed Plans for Waste Disposition and Process Building D&D expected in 2014



Demolition projects

- Steam plant
 - New steam boiler saves more than \$1M per year in maintenance and operating costs
 - Greatly reduces greenhouse gas emissions
- ~300,000 square feet of total footprint reduction in FY13

Deactivation (Cut & Cap)

- More than 80 cell equivalents removed to date with more than 1,100 converters shipped

Waste Shipments: Other shipping includes RCRA mixed waste, TSCA mixed waste, low level waste and asbestos

Environmental Remediation: ~400 lbs. of TCE removed through pump and treat operations

Steam Plant Before



Steam Plant After



Recycling & Reuse

- More than 27M lbs. of material recycled to date through asset transfer agreement with local community reuse organization
 - \$2.2M returned to DOE for site cleanup work
- Best in Class EM Sustainability Award winner
- Asset revitalization
 - Transfer of four water wells to Village of Piketon
 - Excess wells fill village's need for more water capacity
 - Transferred 1.8M+ lbs. of excess personal property, 100 vehicles
 - Pike County tie-in to site sewage plant



200-ton synchronous condenser

Recycling Potential

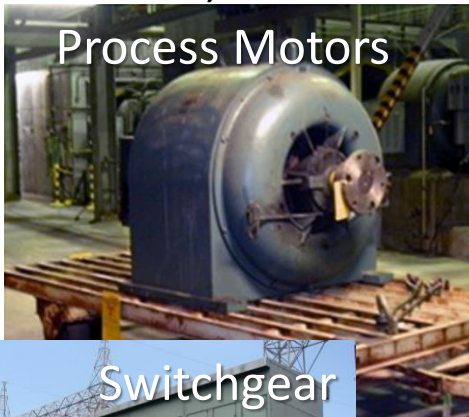
Mixed steel,
copper, aluminum
50,000 tons

1,740 motors
10,000 tons

190 miles
cable
2,000 tons

Process Motors

Towers



Cable



Switchgear

Transformers

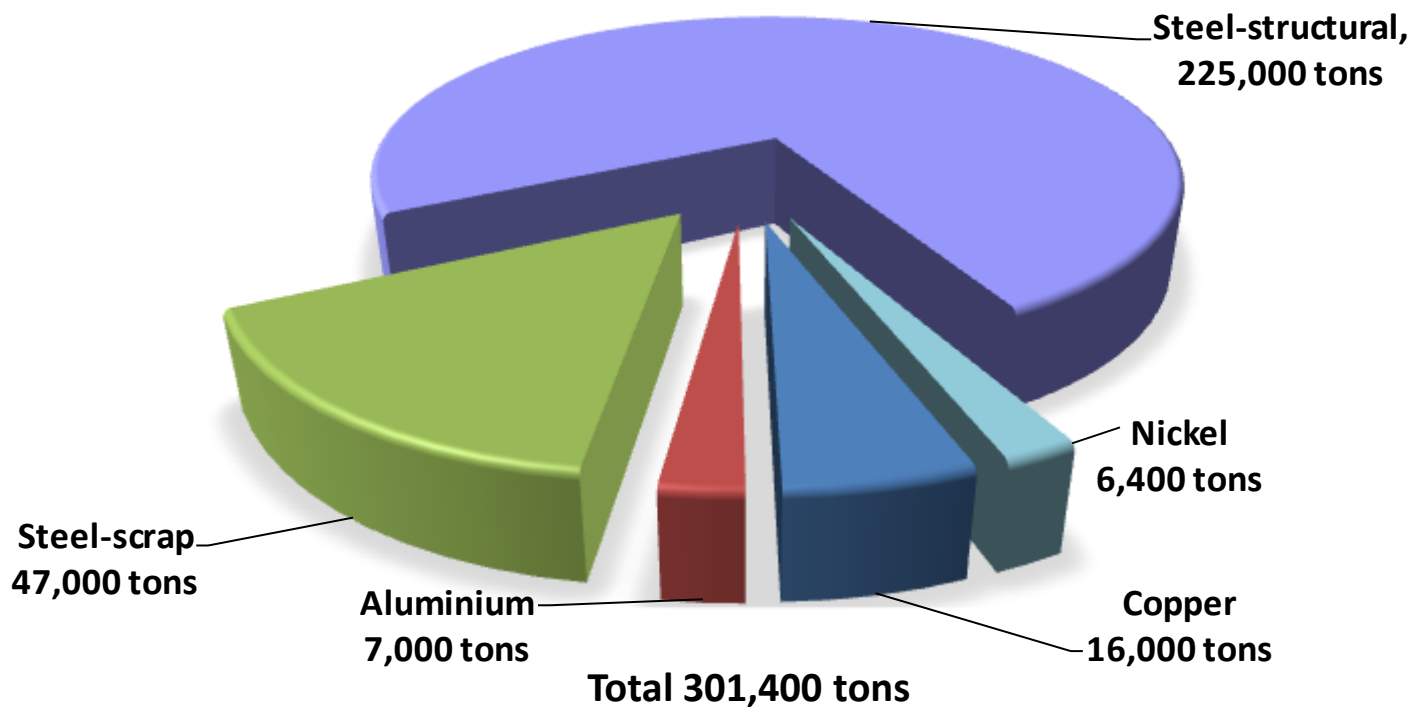


Transformers
8,000 tons



5,000+ tons
excess
material

Recyclable Metals at PORTS (by material type)

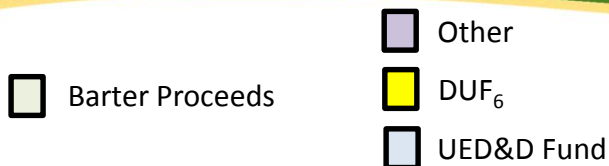


- **Volumetrically contaminated**
- **Classified**
- **Up to 30,300 tons**
 - PORTS – 6,400 tons
 - ORO – 5,600 tons
 - PAD – 18,300 tons
- **Less than 1% of annual global nickel market**
- **PORTS nickel requires removal from converters (segmentation) and purification**
- **Segmentation**
 - Nickel will be removed from process gas equipment and safely stored
 - Activity incorporated into latest PORTS Lifecycle Cost Baseline
- **Purification**
 - Bench-scale treatability study for purification technology

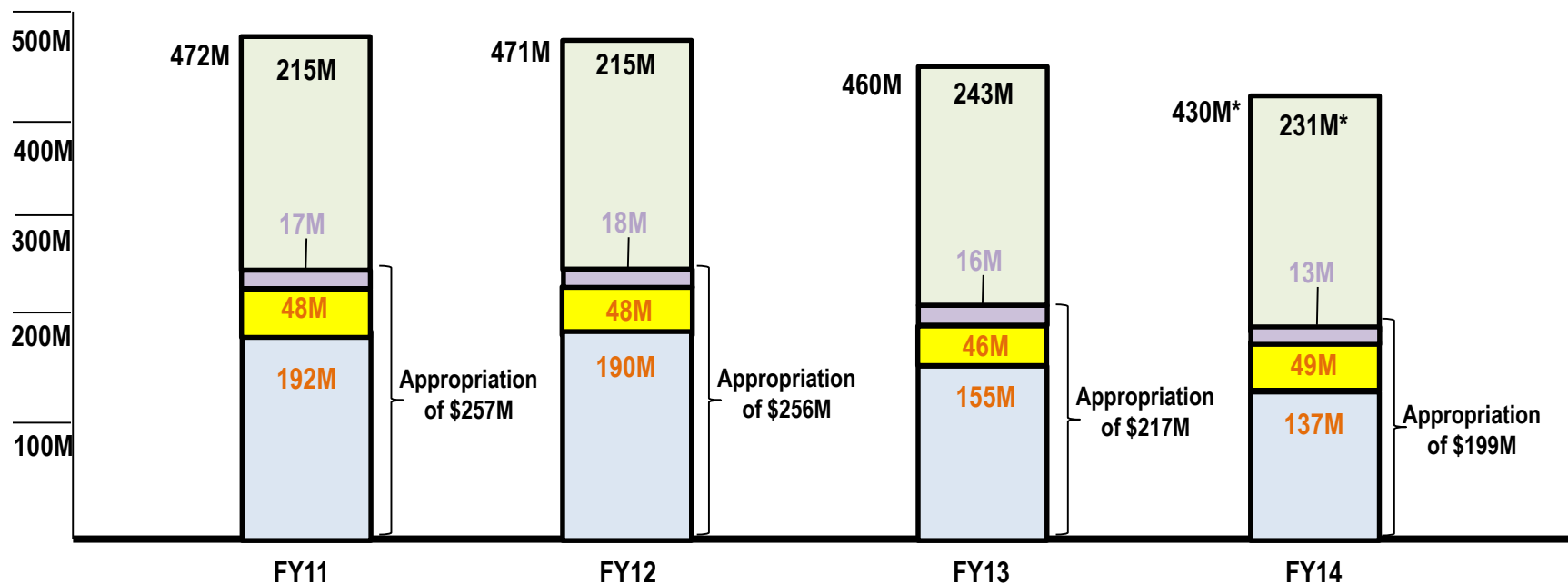
- **Portsmouth Site Specific Advisory Board**
- **Elected officials** (monthly meetings with commissioners)
- **Southern Ohio Diversification Initiative (SODI)**
- **Regular meetings with Ohio EPA**
- **Educational Outreach**
 - Fourth Annual DOE Science Alliance
 - Inaugural South Central Ohio Regional Science Bowl
 - Appearances at regional universities and high schools
 - High school Annual Site Environmental Report (ASER) program through Ohio University



Inaugural South
Central Ohio
Regional
Science Bowl



SITE FUNDING



* FY14 Barter Proceeds Are Estimated