



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# **ETTP Cleanup and Reindustrialization Finishing What We Started**

***Charting the Course for Major EM Successes***

***September 29, 2015***

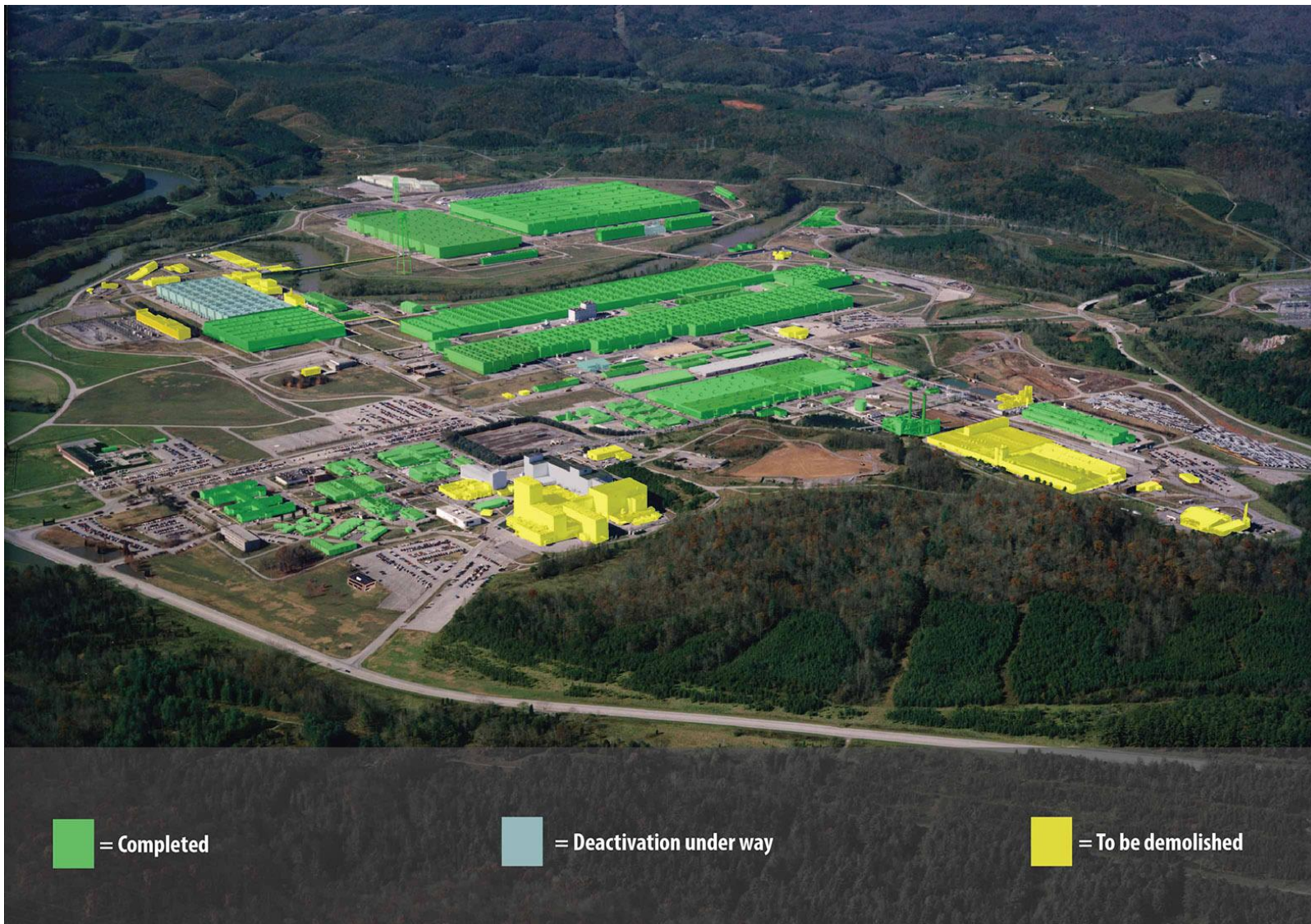
***Ken Rueter  
President, URS | CH2M Oak Ridge (UCOR)***



## *Addressing the Department of Energy's most significant Lifecycle Cost Risk for Oak Ridge Reservation cleanup*



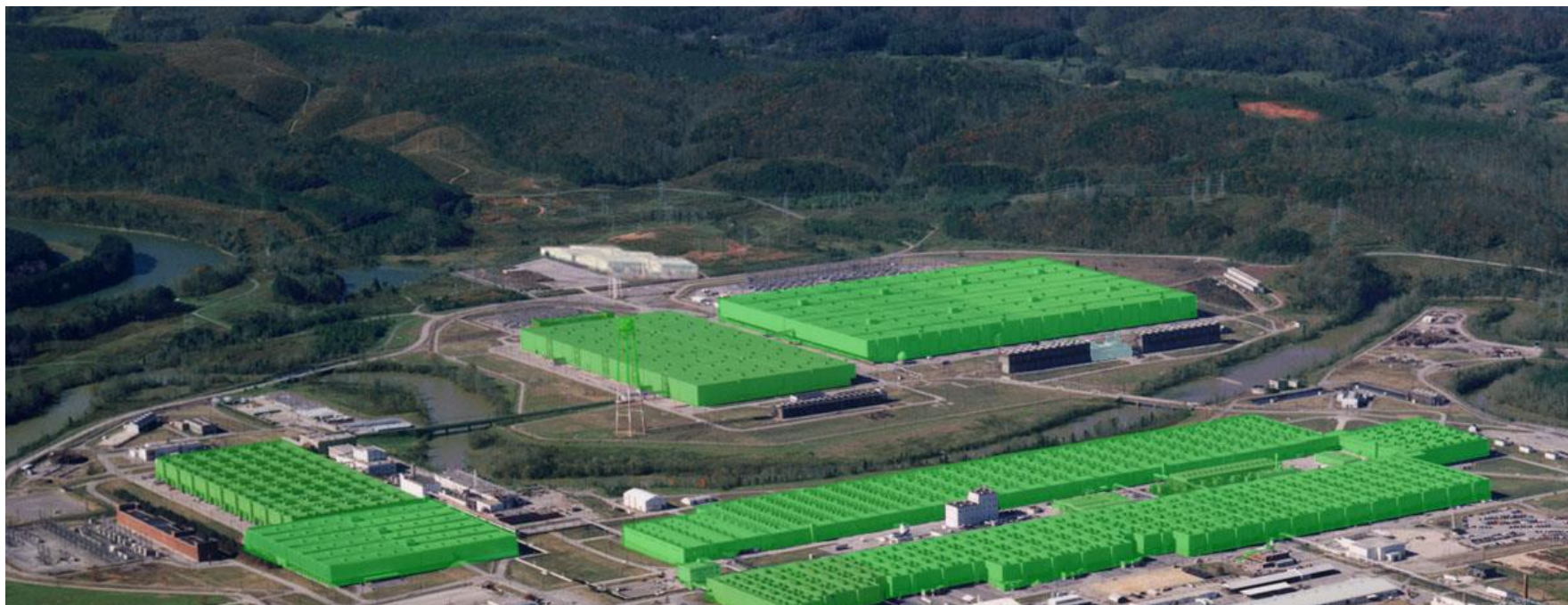
# Gaseous Diffusion Plant Cleanup



## *Foundation to successful clean up project execution*



## *All gaseous diffusion facilities at ETPP demolished by 2016*



# K-25 D&D Completed

- Demolition of the final section of the building was completed Dec. 19, 2013
  - Under budget
  - Ahead of schedule
- The last load of demolition debris was shipped for disposal on March 11, 2014



# K-31 Demolition Completed

- K-31 demolition completed June 26, 2015
  - Ahead of schedule
  - Under budget
- Other ancillary facilities also demolished to open up area for reindustrialization



# K-27 Deactivation and Demolition

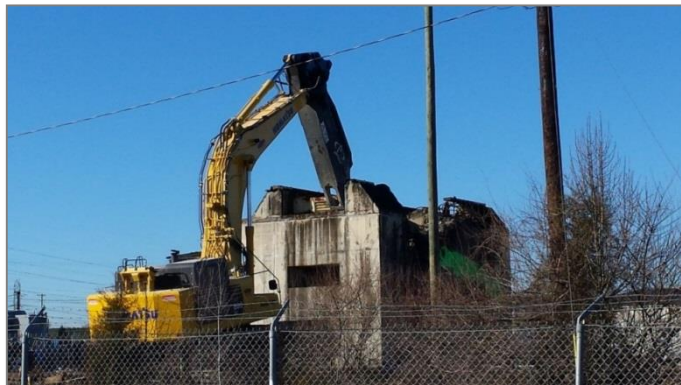
- Deactivation of the facility is nearing completion
- Transite paneling is being removed from the facility as one of the last major steps before demolition begins
- Demolition expected to be completed in Winter 2016



Mega site



## *Enabling and accelerating mega site reuse/reindustrialization*



*Demolition of K-792 pedestals*



*Demolition of K-892*



*Demolition of K-892Y*



*Demolition of K-761*

# Reindustrialization: Changing the Face of ETTP

- More than 700 acres of land transferred
- 14 buildings (332,000 ft<sup>2</sup>) transferred
- Leased facilities totaling 530 acres
- 20 private companies operating at ETTP
- Site infrastructure, roads, and services transferred to City of Oak Ridge
- More than 400 acres planned for disposition

## Cost Savings

Avoided surveillance/maintenance

Avoided facility demolition

Bartering arrangements

Utilities and infrastructure

Fire protection/emergency services

IMT lab commercialization



*Former K-31/K-33 footprint – Future Mega Parcel*

# Building the Bridge for ETTP Completion

K-1220



K-1037

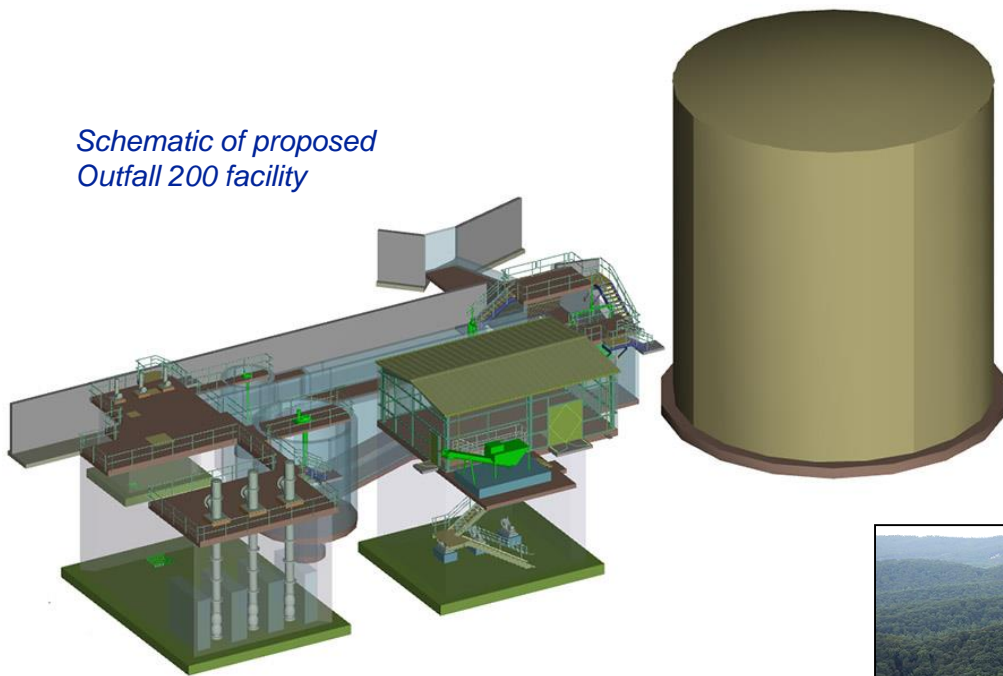


*Poplar Creek facilities*

# Setting the Stage for Future Cleanup

Focus on cleanup operations at Y-12 and ORNL, including mercury remediation

*Schematic of proposed  
Outfall 200 facility*



- Accomplishments
  - Demolition of K-25 and K-31 gaseous diffusion buildings
  - Deactivation of K-27 gaseous diffusion building
  - Demolition of various supporting facilities
  - Removal of legacy wastes
- Path Forward
  - Complete cleanup of ETTP and assist in transitioning it to the private sector
  - Construct new disposal facility
  - Focus on cleanup operations at Y-12 and ORNL

