



U.S. DEPARTMENT OF  
**ENERGY**

OFFICE OF  
**ENVIRONMENTAL  
MANAGEMENT**

# EM National Cleanup Workshop

## Path to EM Success in 2016 and Beyond

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**Sue Cange**  
Manager

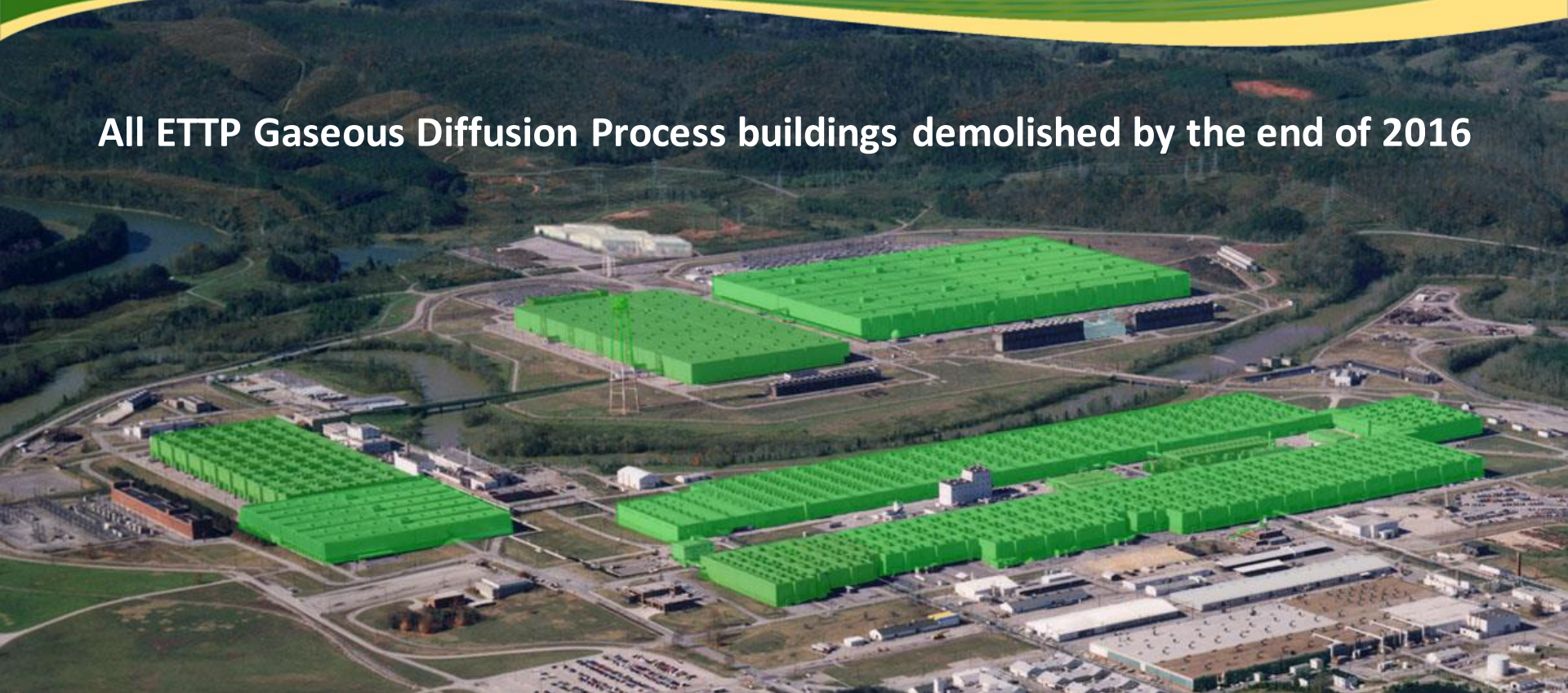
Oak Ridge Office of Environmental Management

**Ken Rueter**

President and Project Manager  
URS | CH2M Oak Ridge

**September 14, 2016**

All ETP Gaseous Diffusion Process buildings demolished by the end of 2016



# Vision 2016 Accomplishments

**4.5 MILLION** SQUARE FEET  
5 PROCESS BUILDINGS  
DEMOLISHED

**720 ACRES**  
TRANSFERRED

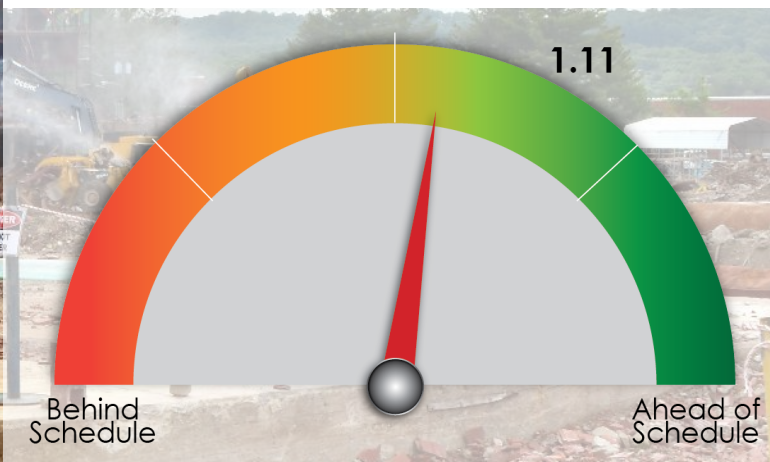
**5,000**   
CONVERTERS  
SHIPPED OFFSITE

**137 MILES**  
PIPING REMOVED 

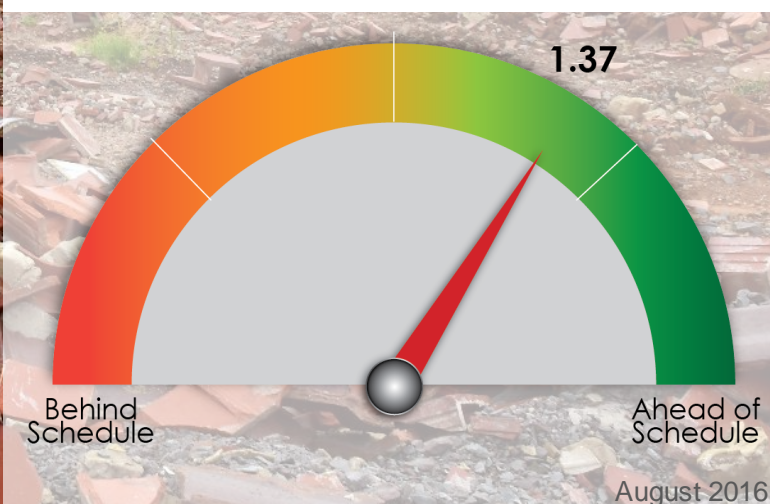
**56,000** TRUCKLOADS  
WASTE SHIPPED ONSITE  
**1,600** TRUCKLOADS SHIPPED OFFSITE 



## K-27 Project Cost Performance



## K-27 Project Schedule Performance



**7 MILLION SAFE HOURS  
Worked Without a  
Lost Workday Injury**



August 2016



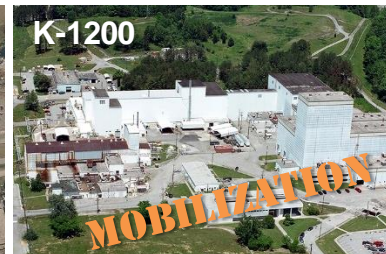
PLAY



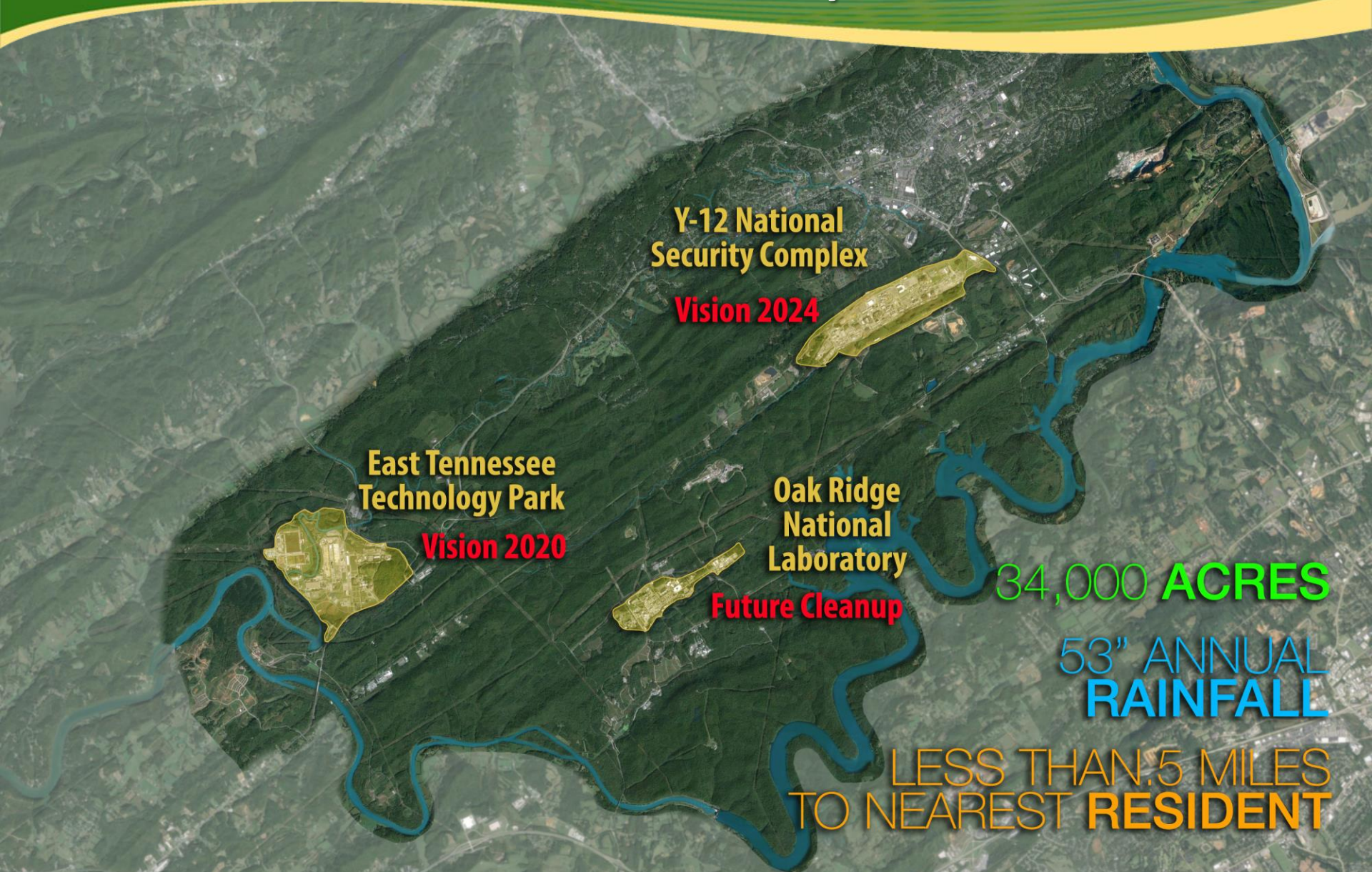


## D<sup>4</sup>

- Deactivation
- Decontamination
- Decommissioning
- Demolition



# The Oak Ridge cleanup mission extends well beyond the work at ETPP



**Y-12 National  
Security Complex**

**Vision 2024**

**East Tennessee  
Technology Park**

**Vision 2020**

**Oak Ridge  
National  
Laboratory**

**Future Cleanup**

**34,000 ACRES**

**53" ANNUAL  
RAINFALL**

**LESS THAN .5 MILES  
TO NEAREST RESIDENT**

# What remains to meet Vision 2020?





ETTP will be the next EM closure site

# ETTP END STATE

MORE THAN 2,200 ACRES  
TRANSFERRED FOR  
**ECONOMIC REUSE**

MORE THAN 3,500 ACRES  
SET ASIDE FOR **CONSERVATION**

CONSTRUCTING 12,000 SQ FT SPACE  
FOR **HISTORIC PRESERVATION**

# Vision 2024 begins large scale cleanup of Y-12

# Y-12

GREATEST  
ENVIRONMENTAL  
RISK

MORE THAN 100 FACILITIES  
TO BE DEMOLISHED

MERCURY TREATMENT FACILITY  
NEW ONSITE DISPOSAL CELL

\$3M ANNUALLY ON  
TECHNOLOGY DEVELOPMENT

ESTIMATED COST \$9B  
OVER 30 YEARS

# Cleanup of ORNL will begin once work at Y-12 is underway

**ORNL** GREATEST  
NUCLEAR/  
RADIOLOGICAL  
RISK

26M CURIES IN STORAGE

MORE THAN 270 FACILITIES  
TO BE DEMOLISHED

ESTIMATED COST \$6.4B  
OVER 30 YEARS

# OAK RIDGE'S FUTURE IS BRIGHT

CLEAR MISSION/VISION/GOALS

EXCELLENT PROJECT PERFORMANCE

DEDICATED FEDERAL/CONTRACTOR/  
LABOR FORCE

PLANNING FOR THE FUTURE