



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
ENVIRONMENTAL
MANAGEMENT

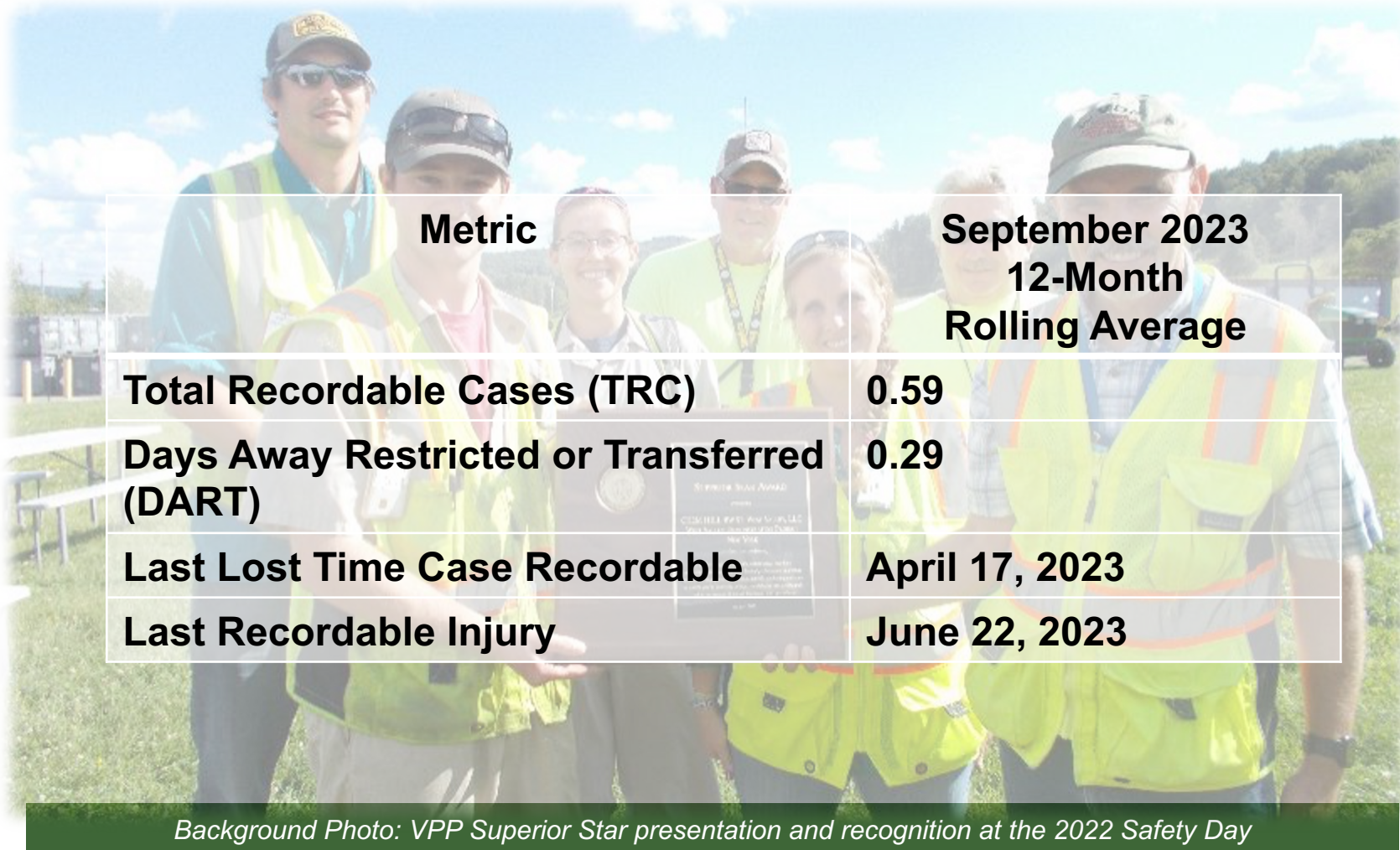
WVDP Project Update

Main Plant Process Building Controlled Deconstruction

Kelly Wooley, CHBWV Deputy General Manager

Citizen Task Force Meeting – October 25, 2023

Safety



Metric	September 2023 12-Month Rolling Average
Total Recordable Cases (TRC)	0.59
Days Away Restricted or Transferred (DART)	0.29
Last Lost Time Case Recordable	April 17, 2023
Last Recordable Injury	June 22, 2023

Background Photo: VPP Superior Star presentation and recognition at the 2022 Safety Day

Main Plant Deconstruction



2023 Building Status

- Main Plant Demo Footprint (Brown)
- Revised Main Plant Demolition footprint (Green)

Main Plant Deconstruction (Cont.)



Chemical Process Cell East Wall Deconstruction

Main Plant Deconstruction (Cont.)



Deconstruction of the Chemical Process Cell North Wall

Main Plant Deconstruction (Cont.)



Chemical Component Test Stand and Inductively Coupled Plasma Lab

Main Plant Deconstruction (Cont.)



Sample Storage Cell Demolition and Shield Window Removal

Main Plant Deconstruction (Cont.)



Main Plant Deconstruction (Cont.)



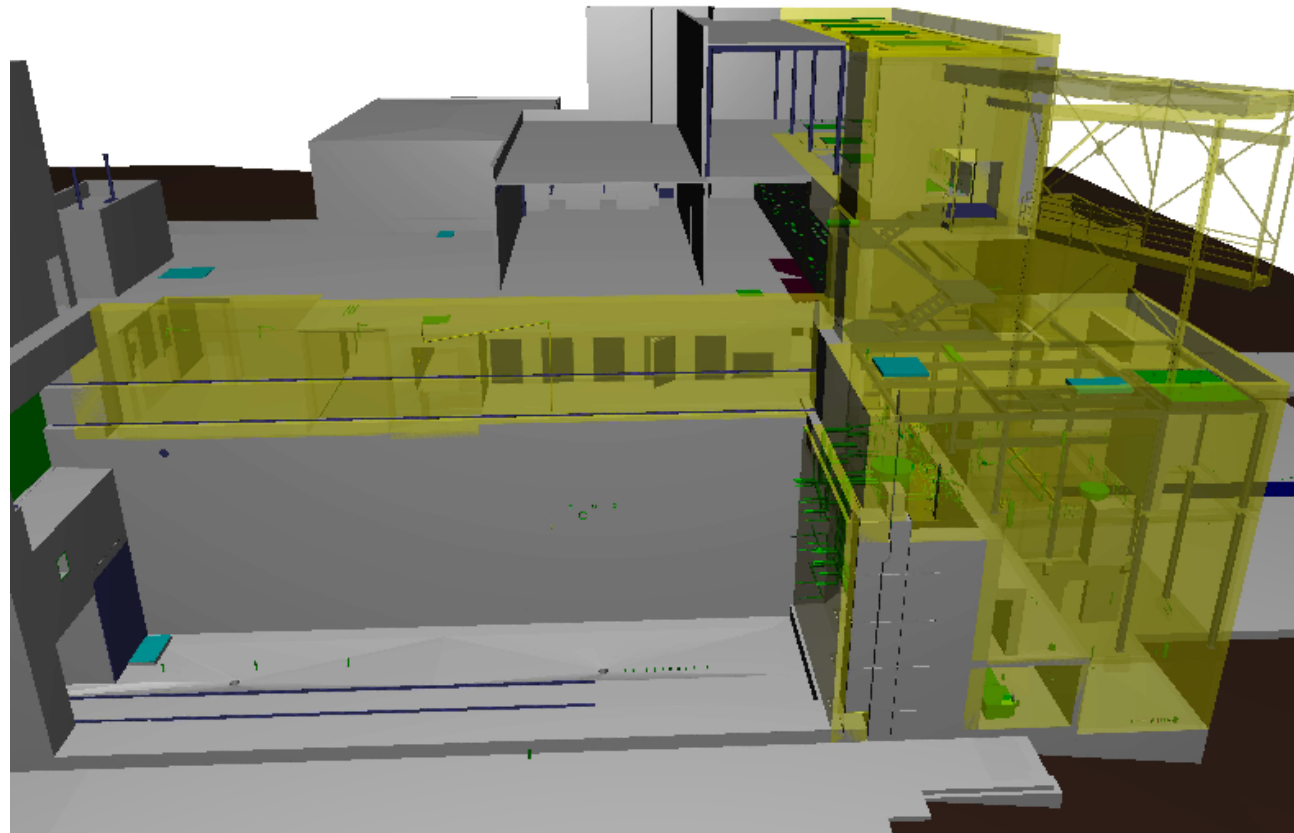
Hot Cell Demo & Shield Door Removal

Main Plant Deconstruction (Cont.)



Quarry Saw Functional Test

Main Plant Deconstruction (Cont.)



3-D Model of Main Plant Deconstruction (Completed areas in Yellow)

Balance of Site Facilities and Infrastructure

NEW WORK SCOPE:

Tank Sampling (8D-4):

- The mock-up to obtain liquid samples at six different depths has been completed and sampling is planned for the week of October 16
- Analysis of the archived 2012 sludge sample has been received from the lab and further analysis is ongoing
- Testing of tooling to remove legacy equipment was completed with a final mock-up planned closer to performance of the work
- In parallel with the design of a second prototype sampler, the first prototype will be tested in a sludge simulant, using zeolite, silicon dioxide, and kaolin clay