



**U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office (LASO) Overview**

**Presentation to:
Energy Facility Contractors Group (EFCOG)
Safety Analysis Working Group (SAWG)
2012 Workshop, Santa Fe, NM**



UNCLASSIFIED

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Slide 1



Los Alamos, the oldest, most complex, and second largest site is working hard to transform into a more efficient site



Los Alamos at a Glance :

- ~ 39 square miles
- 1,169 buildings
- 9M gross square feet
- 268 miles of roads (100 paved)
- 128 Radiological Facilities



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Overview of Key Nuclear Facilities

■ Nuclear Facilities (Hazard Category 2 & 3)

- TA-55 Plutonium Facility (PF-4)
- Chemistry and Metallurgy Research (CMR) Facility
- Weapons Engineering Tritium Facility (WETF)
- Radioactive Liquid Waste Treatment Facility (RLWTF)
- Packaging and Transportation (P&T)
- Waste Storage and Disposal Facility (Area G)
- Waste Characterization Reduction and Repackaging Facility (WCRRF)
- Radioactive Assay Nondestructive Testing (RANT) Facility
- Nuclear Environmental Sites (NES) (MDA-A, MDA-T, MDA-W, MDA-AB, MDA-H)

■ Accelerator Facilities

- Los Alamos Neutron Science Center Facilities (LANSCE)
- Dual Axis Radiographic Hydrodynamic Test Facility (DARHT)

TA-55 Plutonium Facility (PF-4)



Chemistry and Metallurgy Research (CMR) Facility



Weapons Engineering Tritium Facility (WETF)



Radioactive Liquid Waste Treatment Facility (RLWTF)



Waste Storage and Disposal Facility (Area G)



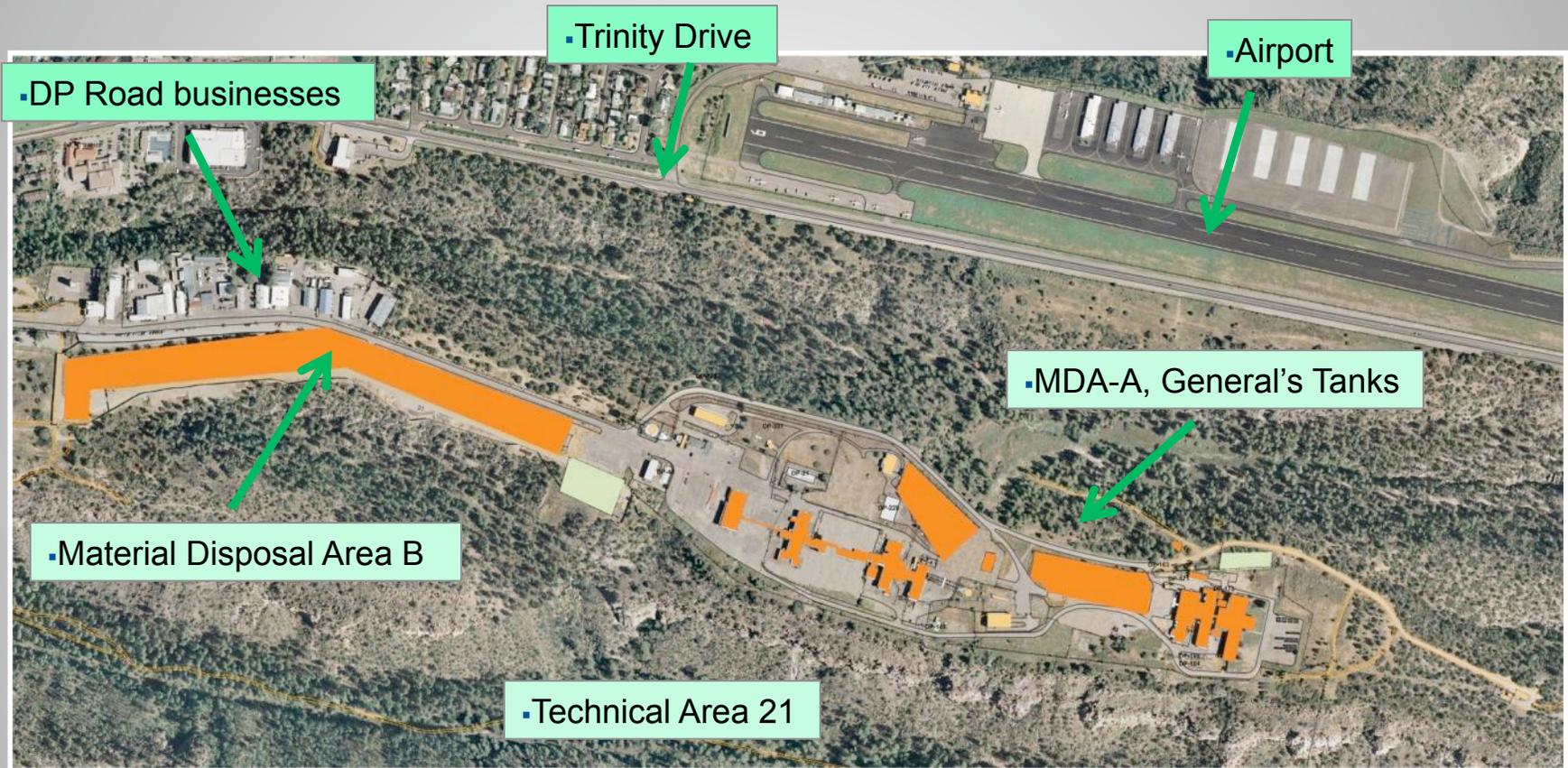
Waste Characterization Reduction and Repackaging Facility (WCRRF)



Radioactive Assay Nondestructive Testing (RANT) Facility



Nuclear Environmental Sites (NES)



Los Alamos Neutron Science Center (LANSCE).



Dual Axis Radiographic Hydrodynamic Test Facility (DARHT)



Environmental Work



Cleanup

- **LANL TRU waste campaign:**
 - 184 shipments to WIPP planned in FY12
 - 107 shipments as of 4-29-2012
 - 411 cubic meters removed
 - **New facilities boost TRU waste processing capability**
 - **Two facilities on line:**
 - **High-Energy Real Time Radiography Facility**
 - **Building 412 box line facility**
 - **Two facilities under construction:**
 - **Building 375 box line**
 - **Building 231 box line retrofit**



Processing Waste in TA-54-412



High-Energy Real Time Radiography Facility

LASO's View of the Health of LANL's Safety Basis and Operations — Reflections on DOE/NNSA's Status

- **Formality of Operations**
- **Procedures**
- **Meeting the 25 Rem Guideline**
- **Staffing**
- **Technical Justifications**
- **Standardizing Approaches**
- **SAD – Increases in Hazards**
- **Quality of Documents**
- **Annual Update Cycle**