

DoD
Low Level Radioactive Waste
Lead Agent

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Mission

Safe, compliant, and cost-effective disposition of LLRW and mixed waste for DOD and other Federal agencies

Vision

The provider for DOD LLRW disposition, providing users with a seamless end of life cycle (treatment and disposal) for excessed low-level radioactive materials

LLRW Scope

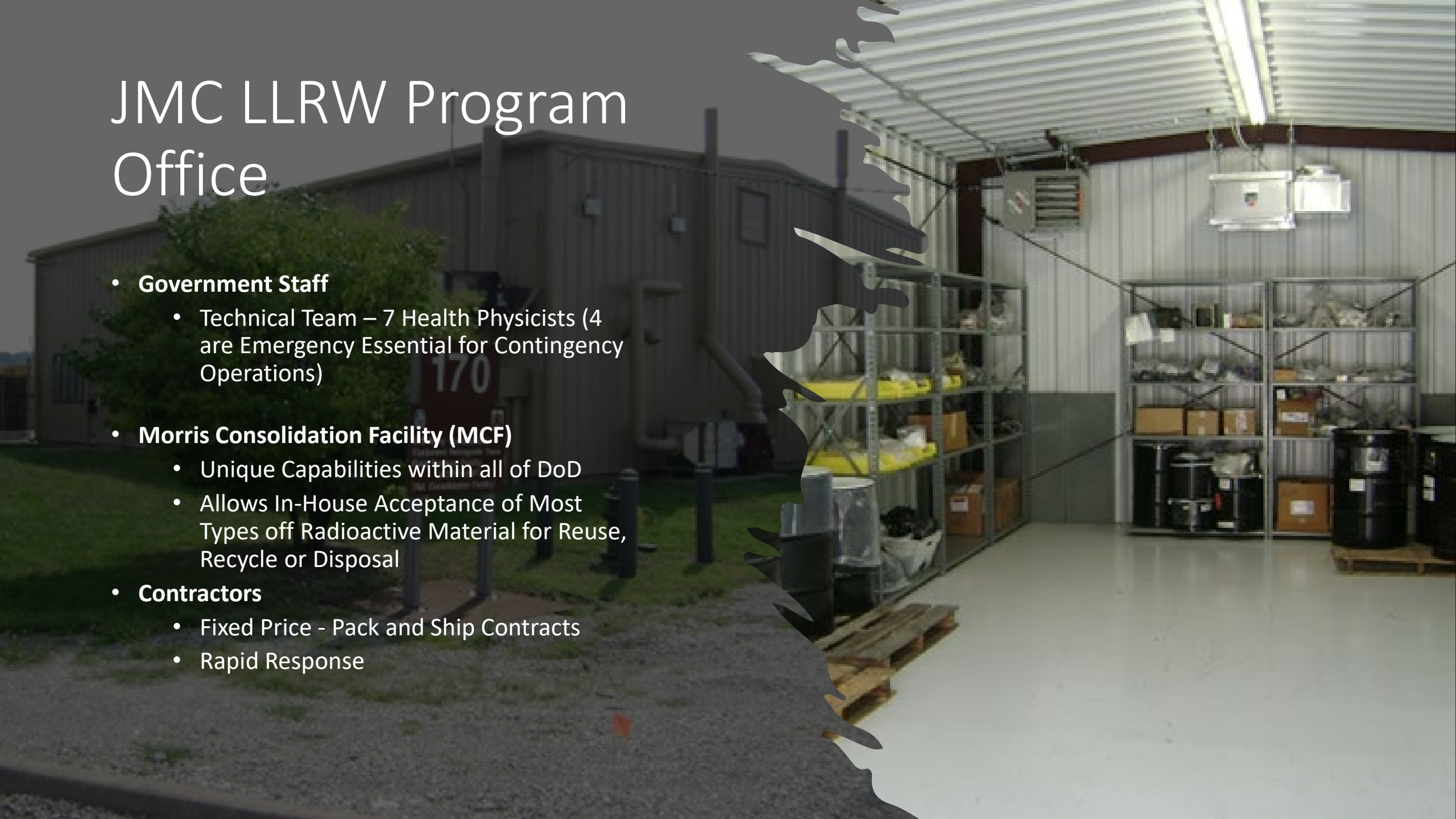
DoD LLRW Lead Agent program services all military property or assets containing source, special nuclear, or byproduct material that is acceptable for disposal in a land disposal facility, in accordance with the U.S. Nuclear Regulatory Commission (NRC) Regulations.

The program also includes:

- Mixed waste (hazardous and radioactive)
- Naturally occurring radioactive material waste (NORM)
- Naturally occurring and accelerator-produced radioactive material waste (NARM)

JMC LLRW Program Office

- **Government Staff**
 - Technical Team – 7 Health Physicists (4 are Emergency Essential for Contingency Operations)
- **Morris Consolidation Facility (MCF)**
 - Unique Capabilities within all of DoD
 - Allows In-House Acceptance of Most Types of Radioactive Material for Reuse, Recycle or Disposal
- **Contractors**
 - Fixed Price - Pack and Ship Contracts
 - Rapid Response



LLRW Program Customers



Support to DOD – Army, Navy/Marine Corps, Air Force, Army Corps of Engineers, Defense Logistics Agency, Defense Health Agency

Unique, Worldwide Response Team for Combat/Noncombat Low-Level Radioactive Materials Incidents

- Army Contaminated Equipment Retrograde Team (ACERT)
 - Rapid response for radiological clean-up and disposal

Common Waste Streams

Operations

Research & Development

Testing

Medical

Clean ups

- Ranges
- Base closures
- Reorgs



Depleted Uranium

- Munitions, armor



Radium/Tritium

- Luminescence

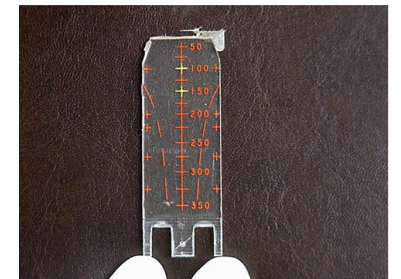


Sealed sources

- Chemical detection

Thorium

- Engines, optical lenses





Program Complexities

Customer locations

Approximately 500 U.S. military bases

States with the most bases

California, Texas, Florida, and Virginia

Numerous U.S. military overseas locations

Military radioactive commodities

1000's of military radioactive items

Regulatory licenses

Army – 60 NRC licenses

Air Force and Navy – Master Material Licenses

Permits

State of Washington – over 200 permits renewed annually

U.S. Military Overseas Operations

Radioactive Sources – International Origin

In certain circumstances, the U.S. Military will take possession and secure foreign radioactive sources

- Regulatory Considerations – intent to dispose of radioactive sources
 - In accordance with 10 CFR 110.2, “Radioactive Waste,” ...does not include material that...
 - (5) Being returned by or for the U.S. Government or military to a facility that is authorized to possess the material
- Disposal Options?
 - Texas LLRW Disposal Compact Commission
 - Generator Authorization – “...By signing this Generator Authorization, the Generator is also verifying that there is no waste of international origin contained in this shipment.”

U.S. Military Overseas Operations

Radioactive Sources – International Origin

- Example – U.S. Military secures a Cesium-137 sealed source in Europe
 - German source
 - 925 MBq (25 microcuries)
 - Stored at a U.S. Military base in Europe



Questions?

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