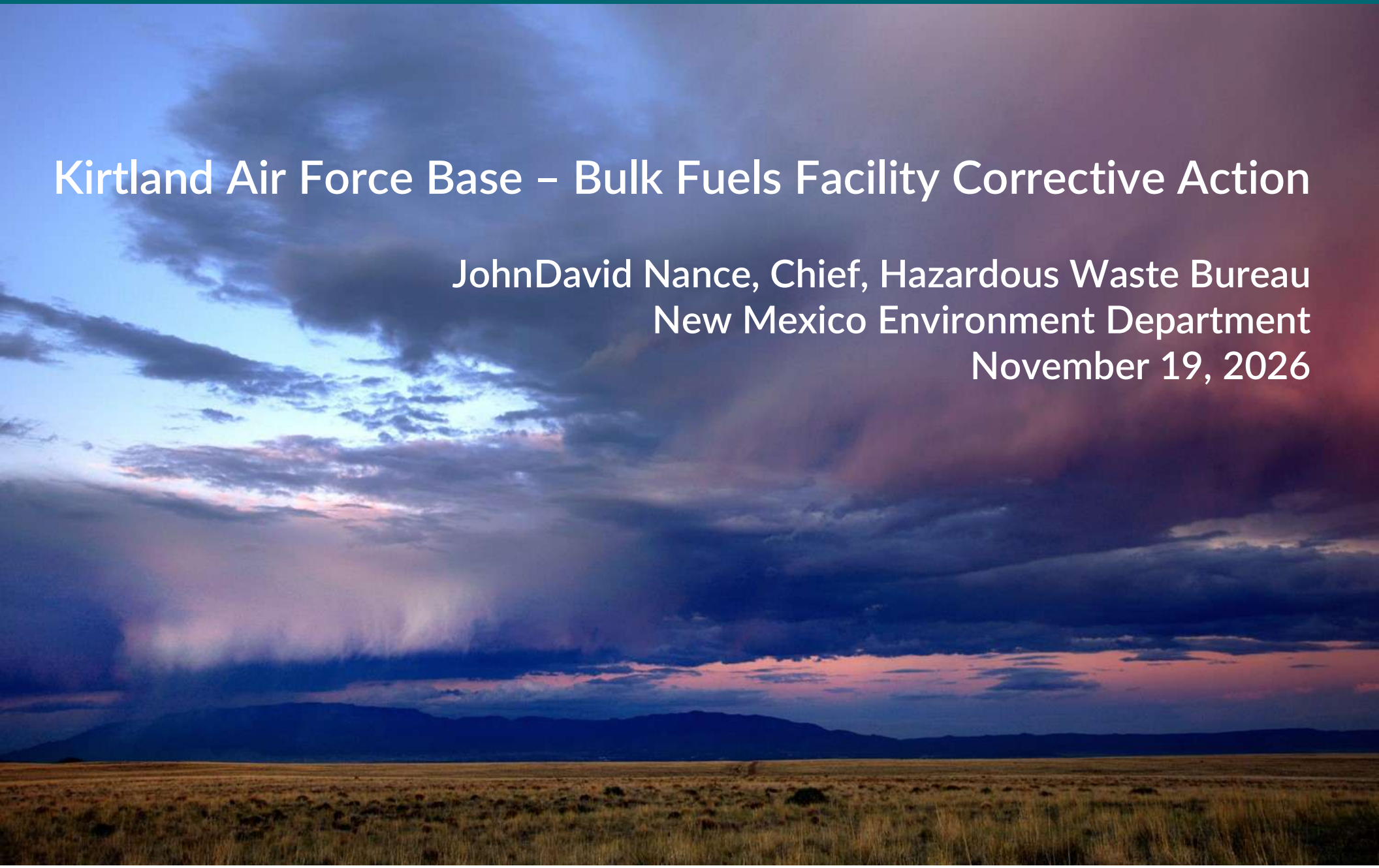
New Mexico Environment Department



Kirtland Air Force Base – Bulk Fuels Facility Corrective Action

JohnDavid Nance, Chief, Hazardous Waste Bureau
New Mexico Environment Department
November 19, 2026

Background







CONTAMINATION SOURCE:

Aviation Gas (AVGAS)

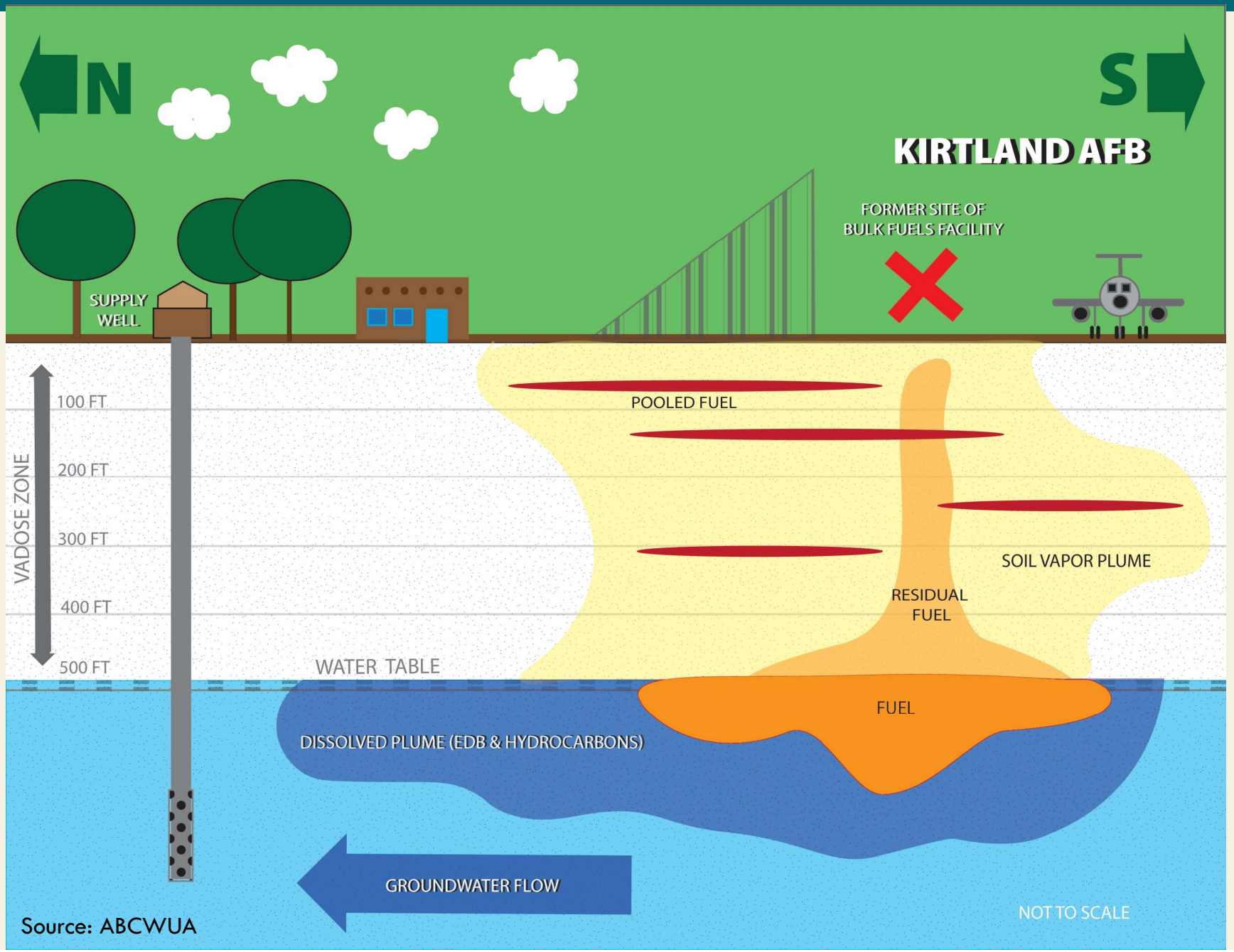
- Used up to the 1950s
- Contains Ethylene Dibromide (EDB)
  Jet Propellants (JP-4 & JP-8)
- Used 1950s up today

KAFB BFF Regulatory History

- November 1999, KAFB discovered leaked fuel associated with the off-loading rack to their former bulk fuels facility tanks.
- 2000 to 2010 preliminary investigations and interim measures were overseen by the NMED Ground Water Quality Bureau.
- 2010 to 2026 Expanded Investigation and Interim Measures overseen by the NMED Hazardous Waste Bureau

AB1

KAFB Bulk Fuels Facility (BFF)



Source: ABCWUA

Slide 4

AB1 [@Nance, JD, ENV] [@Keyes, Christina, ENV] this might be in the talking points and just not on a slide, but do we have an estimated time before that plume reaches the supply well pictured here?

Anderson, Breanna, ENV, 2026-10-27T17:02:26.364

HWB Regulatory Authority

Regulations

- Federal Resource Conservation and Recovery Act (RCRA)
- New Mexico Hazardous Waste Act (HWA)
- New Mexico Hazardous Waste Permit and Corrective Action Fee Regulations [20.4.2 NMAC]
- Clean Water Act (CWA) [CWA s. 402 / 40 CFR Part 122]

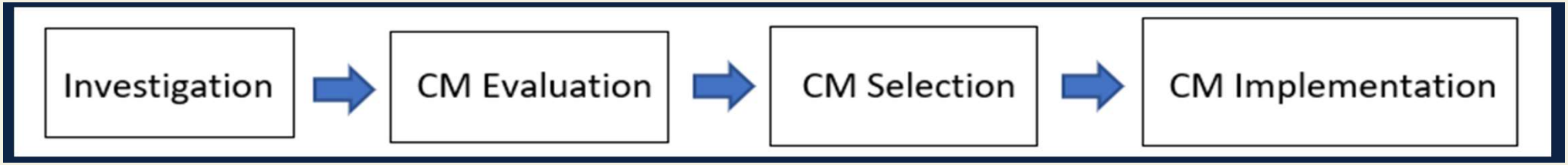
KAFB Permit (EPA ID# NMD9570024423; NM ID 2400)

- Governs the Corrective Action Process
- Contains requirements for Corrective Action Process

https://www.env.nm.gov/hazardous-waste/kafb/

AB1

Corrective Action Process



Investigation – Determine the nature and extent of the contamination in all media at the site.

Corrective Measures Evaluation – Evaluate the potential methods to remediate the site.

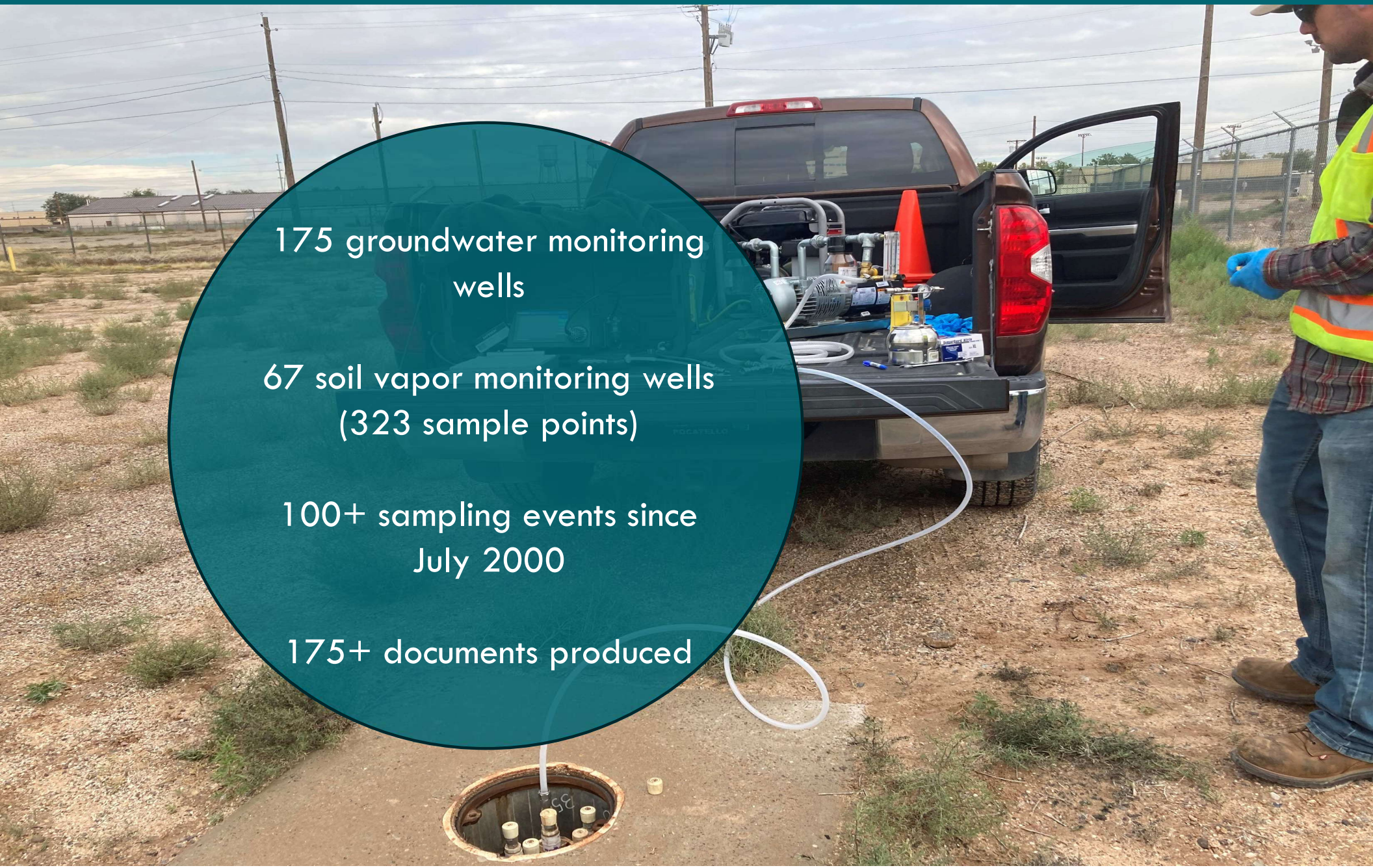
Corrective Measures Selection – Propose the Cleanup technology with final selection by NMED with input from stakeholders and the public.

Corrective Measures Implementation – Selected Remedy is installed, operated, monitored, and maintained.

Slide 6

AB1 [@Nance, JD, ENV] [@Keyes, Christina, ENV] are there dates/ years associated with these steps?
Anderson, Breanna, ENV, 2026-10-27T17:17:07

Investigation / Monitoring



175 groundwater monitoring wells

67 soil vapor monitoring wells (323 sample points)

100+ sampling events since July 2000

175+ documents produced

Progress – Onsite

- Onsite and Source Area Characterization
  - Soil Vapor Extraction Activities (2005-2015)
  - Pilot Studies (2015-2018)
  - Interim Measure P&T (2015-2026)
- Ongoing monitoring of vapor and groundwater contamination







Path Forward

NMED is communicating with KAFB to identify data gaps and resolve issues in order to move toward Corrective Measure Evaluation and Corrective Remedy Selection

- Phase II RFI approved
- Risk Assessment needed prior to CME

NMED continues to review the submitted monitoring reports and other documents, and to evaluate all past data

NMED will continue to foster stakeholder engagement with the Air Force and build public confidence in our shared ability to safeguard the community

Thank you!