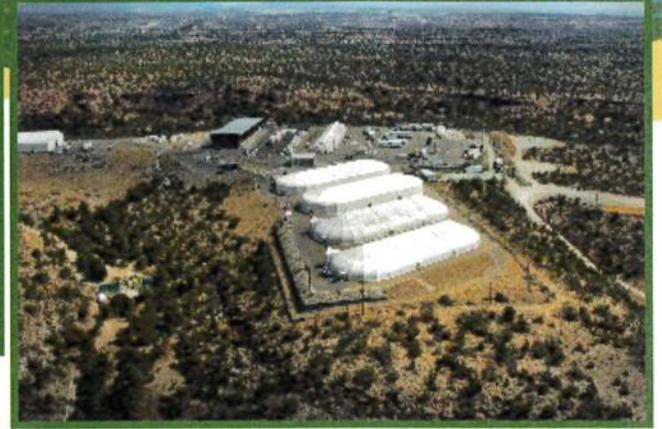
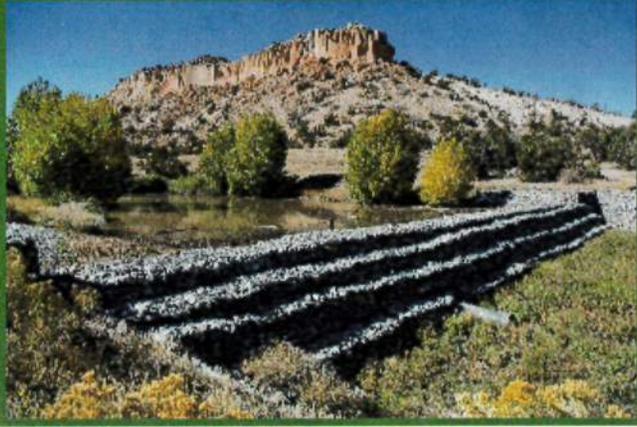




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## FY 2019 Accomplishments



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SAFETY ♦ EFFICIENCY ♦ TRANSPARENCY

Doug Hintze, Manager  
Environmental Management Los Alamos Field Office  
December 16, 2019

39260





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# N3B Accomplishments Since the Start of the Legacy Cleanup Contract



**16**  
CH-TRU  
shipments to  
WIPP



**740**  
cubic meters of  
waste remediated



**96**  
containers  
processed;  
initiated waste  
processing



**1,297**  
cubic meters of waste  
minimized through  
recycling and  
alternative use



**53**  
Certificates of  
Completion  
received on  
AOCs and  
SWMUs



**11 of 17**  
Consent Order  
campaigns in  
progress



**\$124,000**  
N3B community  
commitment funds  
invested in the region



**20**  
Consent Order  
Milestones  
completed



**1,975**  
Individual Permit  
inspections  
completed



**421**  
site-wide water  
monitoring  
locations active



**6,663**  
regulatory samples  
collected



**24**  
Apprentice Program,  
RCT Boot Camp &  
Waste Processing Boot  
Camp students on-  
boarded



**< 50ppb**  
Chromium below  
state standard and  
Interim Measure  
showing continued  
success



**95**  
million gallons of  
groundwater  
treated with  
Chromium Interim  
Measure



**\$107**  
million in  
subcontracts  
awarded



**76%**  
of subcontracts  
awarded to small  
business



**600 +**  
N3B team members  
working on the LLCC



**4**  
Environmental  
Management  
Cleanup Forums held  
across  
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**ENVIRONMENTAL MANAGEMENT**  
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# Appendix B: FY 2019 Enforceable Milestones

| Milestone # | Consent Order Milestone   | Due Date   | Submittal Date        | Actual (Met/Not Met) |
|-------------|---|------------|-----------------------|----------------------|
| 1           | Letter Report: Well R-69 Field Completion and Groundwater Sample Collection                                       | 12/14/2018 | 11/28/2018            | Met                  |
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| 20          | Chaquehui Canyon Aggregate Area Letter Report  | 9/30/2019 | 9/27/2019             | Met                  |

<sup>b</sup> NMED disapproved an extension request but agreed to a well completion report for 5 wells, and two new FY 2020 milestones. DOE was assessed a \$58,000 fine for missing the original milestone. The completion report was submitted 10/16/19.

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- Latest results show Cr 43 parts per billion near the boundary, which is under the state standard of 50 parts per billion.
- This data helps to indicate that hydraulic plume control under the Interim Measure is taking hold.





## FY 2019 Accomplishments: Technical Area 21



*Building 257, the last building at TA-21, was prepped for demolition, which will occur in FY 2020.*

- Shipped more than 1,400 cubic meters of rubble from TA-21 to Pit 38 in Area G

- Technical Area 21 is a former Manhattan Project and Cold War-era complex of buildings that housed plutonium processing facilities and was where groundbreaking tritium research for energy, environment and weapons defense took place.



*The removal of debris and rubble at TA-21 changed the landscape significantly.*





## FY 2019 Accomplishments: Royal Demolition Explosives (RDX)



*Several monitoring wells have been installed to help characterize the extent of RDX in deep groundwater.*

- Installed well R-69 to characterize and monitor the extent of RDX contamination in the regional aquifer
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  - Years of information on the nature and extent of RDX in deep groundwater
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  - The determination that there is no imminent risk to human health from RDX
  - Recommended next steps, such as the evaluation of long-term risks to human health and increased sampling of regional groundwater monitoring wells
- Submitted the annual Long Term Monitoring and Maintenance Report for the Surface Corrective Measures Implementation





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## FY 2019 Accomplishments: Groundwater Monitoring Program



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- Collected 1,329 groundwater samples (some via raft) to evaluate the potential for contaminants to impact the groundwater

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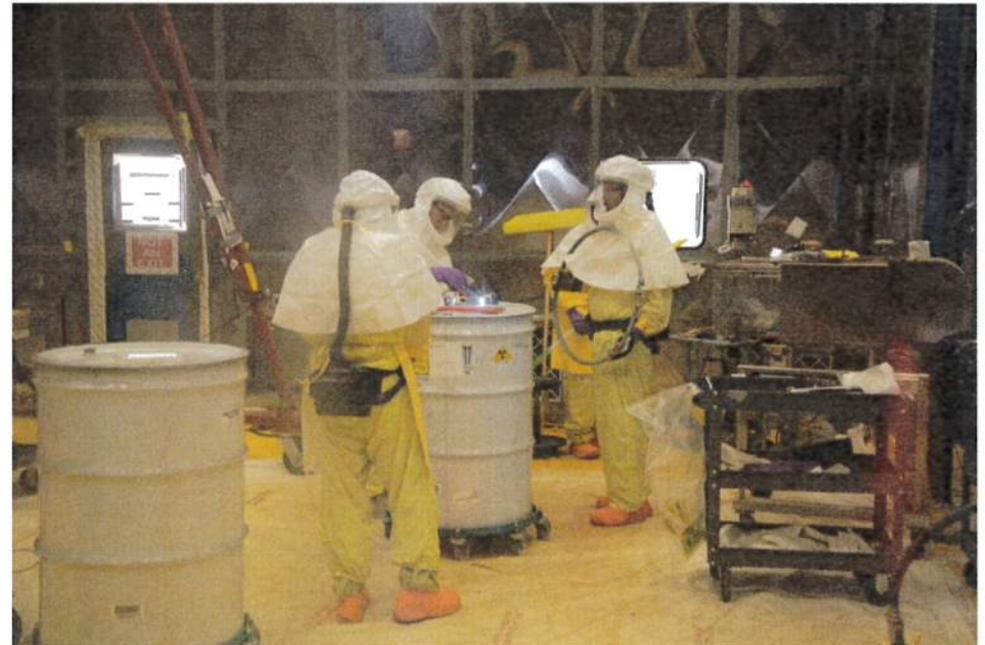


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## FY 2019 Accomplishments: Waste Management

- Completed 16 CH-TRU shipments WIPP
- Started two nuclear waste remediation process lines
- Remediated 220 legacy waste containers



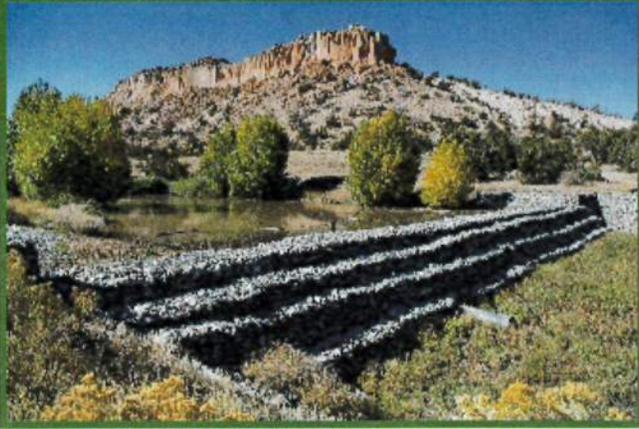
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Doug Hintze, Manager  
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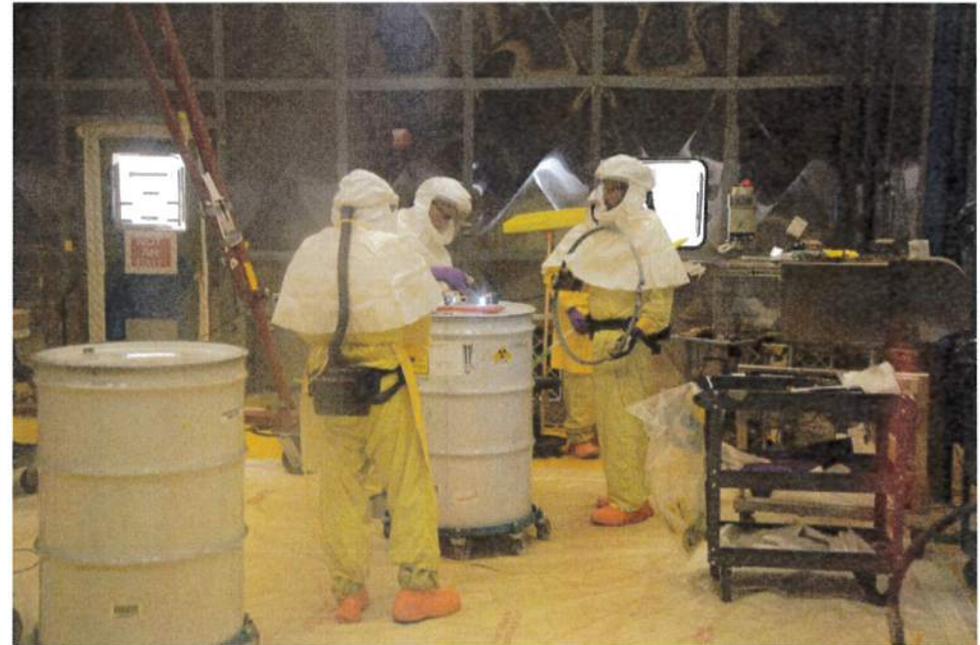


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