

# M-16-140 Proposed Milestones for the 100K Basins Closure Project



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# ***Background***

- **2009 Tri Party Agreement milestone negotiations set an interim commitment , M-16-140, for 100K Area Sludge Treatment Project (STP) and 105K West (KW) Reactor Complex.**
- **M-16-140: "Submit Revised RD/RA Work Plans For 100 K Area RODs As Primary Document(S) Per HFFACO 11.6 With New Proposed Milestones Including For The Following:**
  - ***Complete Removal Of The K West Basin***
  - ***Complete Removal Of All Sludge (Includes Container, Settler Tank Sludge) From K West Basin Except Knock Out Pot Contents.***
  - ***Complete Removal Of Knock Out Pot Contents***
  - ***Complete Treatment And Packaging Of First Container Of TRU Sludge Waste Certifiable For Disposal At WIPP***
  - ***Complete Treatment And Packaging Of Sludge For Disposal At WIPP***
  - ***Begin 105-KW Reactor Interim Safe Storage***
  - ***Complete 105-KW Reactor Interim Safe Storage***
  - ***Initiate Soil Remediation Under K West Basin***
  - ***Complete All Interim Response Actions At The 100 K Area."***



# ***Proposed RD/RA Work Plans***

- **Four new Remedial Action Work Plans (RAWPs) are being prepared to satisfy the milestone:**
  - ***DOE/RL-2010-52, KW Basin deactivation***
  - ***DOE/RL-2010-53, KW Basin demolition***
  - ***DOE/RL-2010-63, removal of sludge and KOP***
  - ***DOE/RL-2011-15, sludge treatment and packaging (Phase 2)***
- **Begin and complete 105KW Reactor interim safe storage (existing documentation is sufficient with minor changes)**
- **Begin soil remediation under KW Basin (existing documentation is sufficient with minor changes)**



# ***Proposed 105KW and STP Milestones***

- **Current Draft proposal includes nine new interim milestones and a date for M-16-00C, that are all achievable with a good confidence level and within projected funding levels**
- **STP milestone dates are taken from the project schedule**
- **Revisions from initial DOE proposal:**
  - ***M-016-00C, Complete all interim response actions for the 100K Area, proposed completion 12/31/2020 (Initial proposal 12/31/2028) for facilities and known waste sites***
  - ***M-016-173, Select K Basin Sludge Treatment and Packaging Technology and propose new interim sludge Treatment and Packaging Milestones 3/31/2015 (Initial proposal 3/31/2016)***
  - ***M-016-186, Initiate Soil Remediation Under 105KW Fuel Storage Basin 12/31/2019 (Initial proposal 10/01/2024)***
  - ***M-093-26, Initiate 105KW Reactor Interim Safe Storage (ISS) 12/31/2015 (Initial proposal 10/01/2019)***
  - ***M-093-27, Complete 105KW Reactor ISS 12/31/2019 (Initial proposal 9/30/2024)***



# ***105 KE Reactor Area March 2008***



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# ***105 KE Reactor Area March 2011***



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# ***183 KW River Water Treatment Complex September 2009***



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# ***183 KW River Water Treatment Complex March 2011***



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# ***183.1 KE River Water Treatment Complex***



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# ***100 K Area March 2011***



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