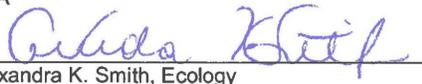


Change Number M-62-19-02	Federal Facility Agreement and Consent Order Change Control Form		Date 6/25/2019
Originator Alex Smith, Ecology			Phone 509-372-7905
Class of Change <input type="checkbox"/> I – Signatories <input checked="" type="checkbox"/> II – Executive Managers <input type="checkbox"/> III – Project Managers			
Change Title Direct Fee ^d Low Activity Waste (DFLAW) Support Activities			
Description/Justification of Change <p>Many actions support the start-up of DFLAW consistent with Tank Waste Consent Decree milestone A-9 (LAW Facility Hot Commissioning Complete due 12/31/2023) as amended in 2018. Supporting actions include managing secondary waste and starting up the Integrated Disposal Facility (IDF) to be used for disposal of treated LAW.</p> <p>Secondary waste includes both liquid waste and solid waste. In addition to enforceable interim milestones, this change request establishes target dates for secondary waste work plans. The work plan for liquid waste will define how liquid secondary waste is pretreated and immobilized to meet disposal criteria outlined in the Tank Closure & Waste Management (TC&WM) Environmental Impact Statement (EIS). The work plan for solid waste will define the technical approach and project plan for treating solids to meet disposal criteria outlined in the TC&WM EIS, including waste acceptance criteria for the IDF; specific onsite and offsite facilities that will store and then treat these wastes to meet disposal criteria outlined in the TC&WM EIS.</p> <p style="text-align: center;"><i>Continued on page 2</i></p>			
Impact of Change <p>This change control form supersedes existing milestone M-047-07 for secondary waste management, establishes new milestones for the Effluent Management Facility (EMF), establishes new milestones for pre-treatment of tank waste to allow DFLAW processing, and establishes a milestone for start-up of the IDF. This change was worked in conjunction with change control form M-47-19-01, which deletes milestone M-047-07.</p>			
Affected Documents <p>The Hanford Federal Facility Agreement and Consent Order (HFFACO), as amended, and Hanford Site internal planning management, and budget documents (e.g., USDOE and USDOE contractor Baseline Change Control documents, Project Management Plans).</p>			
Approvals			Page 1 of 2
	7/25/19	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>	
Brian T. Vance, DOE	Date		
N/A		Approved <input type="checkbox"/> Disapproved <input type="checkbox"/>	
EPA			
	7/25/19	Approved <input checked="" type="checkbox"/> Disapproved <input type="checkbox"/>	
Alexandra K. Smith, Ecology	Date		

Authorized Changes

Modifications to the HFFACO are displayed by using double underline to indicate added text and ~~strikeout~~ to indicate deleted text.

Number	Milestone	Due Date
<u>M-062-50</u> <u>Lead Regulatory Agency: Ecology</u>	<u>Submit to Ecology, as a secondary document, a Mass Balance Flow from Tank Farms to Low Activity Waste Pretreatment Capability to Low Activity Waste to Effluent Management Facility to Recycle to Tank Farms and to LERF/ETF.</u>	<u>01/30/2021</u>
<u>M-062-51</u> <u>Lead Regulatory Agency: Ecology</u>	<u>Achieve substantial completion of all LERF/ETF construction upgrades that are necessary to support LAW hot commissioning by 2023. The Parties agree that DOE will need to complete the following in order to meet this milestone:</u> <ol style="list-style-type: none"> <u>1. By 12/31/2021 (Target Date M-062-51-T01), submit to Ecology, as a primary document for approval a Secondary Liquid Waste Disposition Work Plan.</u> <u>2. By 5/15/2022 (Target Date M-062-51-T02), submit permit modification request for redesign upgrades and operations to support volumes of waste types expected.</u> 	<u>04/15/2023</u>
<u>M-062-52</u> <u>Lead Regulatory Agency: Ecology</u>	<u>Achieve substantial completion of all Secondary Waste construction upgrades that are necessary to support LAW hot commissioning by 2023. The Parties agree that DOE will need to complete the following in order to meet this milestone:</u> <ol style="list-style-type: none"> <u>1. By 12/31/2021 (Target Date M-062-52-T01), submit to Ecology, as a primary document for approval, a Secondary Solid Waste Disposition Work Plan</u> <u>2. By 5/15/2022 (Target Date M-062-52-T02) submit permit modification requests for any ancillary facilities or capabilities to support treatment of secondary waste.</u> 	<u>06/30/2023</u>
<u>M-062-53</u> <u>Lead Regulatory Agency: Ecology</u>	<u>EMF cold commissioning start</u> <u>The Parties agree that DOE will need to complete the following in order to meet this milestone: by 4/30/2022 (milestone M-062-53A) achieve substantial completion of EMF construction</u>	<u>08/15/2023</u>
<u>M-062-54</u> <u>Lead Regulatory Agency: Ecology</u>	<u>Low Activity Waste Pretreatment Capability: cold commissioning complete</u> <u>The Parties agree that DOE will need to complete the following in order to meet this milestone:</u> <ol style="list-style-type: none"> <u>1. By 7/15/2020 (milestone M-062-54A), submit permit application for AP Tank Farm modifications and operation necessary to support TSCR</u> <u>2. By 12/31/2022 (milestone M-062-54B), achieve substantial completion of Low Activity Waste Pretreatment capability construction, necessary for DFLAW initial operations.</u> 	<u>04/30/2023</u>

Number	Milestone	Due Date
<u>M-062-55</u> <u>Lead Regulatory</u> <u>Agency: Ecology</u>	<u>Low Activity Waste Pretreatment capability necessary to feed DFLAW; hot commissioning complete.</u>	<u>08/15/2023</u>
<u>M-062-56</u> <u>Lead Regulatory</u> <u>Agency: Ecology</u>	<u>Submit permit application for design and construction of the Low Activity Waste Pretreatment Capability.</u> <u>This would be the Low Activity Waste Pretreatment Capability needed in addition to the TSCR.</u>	<u>12/31/2023</u>
<u>M-062-57</u> <u>Lead Regulatory</u> <u>Agency: Ecology</u>	<u>IDF operational</u> <u>The Parties agree that DOE will need to complete the following in order to meet this milestone: by 6/15/2022 (milestone M-062-57A), submit permit modification to add secondary waste disposal at IDF and to make permit operational, based on a Performance Assessment and Risk Budget Tool to include Immobilized LAW and secondary waste associated with treating tank waste.</u>	<u>09/30/2023</u>