

Hanford Advisory Board Fiscal Year 2020 Work Plan

	Topic	Subtopics	Committee Assignment
1	River Corridor	100-N Proposed Plan, 100 K Proposed Plan, 324 Building Disposition Project, 618-11 milestones, Uranium Sequestration Update, Orchard Lands Status, 100 B/C Proposed Plan	RAP
2	Central Plateau	WESF, Canyons Status	*RAP, HSEP, BCC, PIC
3	Groundwater	Monitor Performance of Pump & Treat, PO-1/BP-5 Proposed Plan (Groundwater Interim Action ROD), Cumulative Impacts Evaluation Status	RAP
4	Tanks	Tank Waste Retrieval & Closure, Tank Integrity Program, Tank Vapors	*TWC, HSEP
5	WTP	Technical Issue Resolution, System Planning, DFLAW	*TWC, BCC, HSEP
6	Worker Health & Safety	Heat Stress/Worker Monitoring, Site Wide Respiratory Protection Program, Tank Vapors	*HSEP, TWC
7	Permitting/Authorization	All Permitting Activities	All
8	Aging Infrastructure Status	Status Updates	All
9	Outreach	Public Involvement Outreach	PIC
10	Contract Procurement	Review & Status on Contract Transitions, End State Contract Progress, Contractor's approach to safety	*BCC, All
11	Budget	Budget Priorities	*BCC/All
12	Tutorials & Guidance	Simplified Waste Primer, Guidance Electronic Notebook, Board Education/Communication	*EIC/All
13	Programmatic Topics	Science & Technology Needs, Regulatory Reform, Risk, TRU Program	*EIC/All
14	Emerging Topics at the Hanford Site		*EIC/All

*Topic of interest to more than one committee

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1	River Corridor						
	100 N Proposed Plan <ul style="list-style-type: none"> Informational updates on schedule of RI/FS (final expected April 2020) Public comment opportunity (tentative May 2020) Apatite Barrier Topic Type: Potential Advice 	Ecology: Nina Menard			X	X	RAP
	100 K Proposed Plan <ul style="list-style-type: none"> Informational updates on schedule of RI/FS (final expected June 2020) Public comment opportunity (tentative July 2020) K Basin Disposition Update Topic Type: Potential Advice 	EPA: Laura Buelow			X	X	RAP
	324 Building Disposition Project (300-296) <ul style="list-style-type: none"> Updates on remaining and ongoing cleanup work TPA Milestone (will be pending renegotiation) Topic Type: Informational 	DOE-RL: Ben Vannah EPA: Ben Simes	X	X	X	X	RAP
	300 Area Uranium Sequestration <ul style="list-style-type: none"> Updates on remaining and ongoing cleanup work Topic Type: Informational 	DOE-RL: Ben Vannah EPA: Ben Simes				X	RAP
	618-11 <ul style="list-style-type: none"> Updates on milestones Groundwater Monitoring Topic Type: Informational 	EPA: Ben Simes DOE-RL: Mark French & Bill Hamel	X	X			RAP
	Orchard Lands <ul style="list-style-type: none"> Updates on ongoing cleanup work Topic Type: Informational 	DOE-RL: Bill Hamel			X		RAP

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		Ecology: Alicia Boyd					
	100 BC Proposed Plan Update <ul style="list-style-type: none"> • Topic Type: Informational 	EPA: Laura Buelow	X				RAP
2	Central Plateau						
	Waste Encapsulation Storage Facility (WESF) <ul style="list-style-type: none"> • Permit Modification Request for Closure Activities at WESF • Design & permitting progress on dry storage capsule storage area (CSA) • Topic Type: Informational 	DOE-RL: Bill Hamel Ecology: Stephanie Schleif	X	X	X	X	RAP HSEP
	Canyons Status (PUREX, REDOX and B Plant) <ul style="list-style-type: none"> • Topic Type: Informational 	DOE-RL: Bill Hamel		X	X	X	RAP
	Z-9 Cribs (Part of PW-1, 3, 6 ROD) <ul style="list-style-type: none"> • Structural Analysis • Funding • Risk Registry • Topic Type: Potential Advice 	DOE-RL: Bill Hamel EPA: Emy Laija	X				RAP
	SW-2 <ul style="list-style-type: none"> • Characterization • Funding • Topic Type: 	DOE-RL: Bill Hamel Ecology: Kelly Elsethagen				X	RAP
	PFP Closeout <ul style="list-style-type: none"> • Characterization Work Status • Topic Type: Informational 	DOE-RL: TBD Ecology: Theresa Howell	X				RAP

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3	Groundwater						
	Monitor Performance of Pump & Treat <ul style="list-style-type: none"> Yearly Report 200-BP-5 200-PO-1 200-UP-1 200-ZP-1 200 East Perched Water Optimization for pump & treat of other areas Topic Type: Informational 	DOE-RL: Mike Cline EPA: Craig Cameron Ecology: Nina Menard & Dib Goswami			X		RAP
	PO-1/BP-5 Groundwater Proposed Plan <ul style="list-style-type: none"> Informational updates on schedule of RI/FS (expected Fall 2019) Public comment opportunity (tentative Fall 2019) Topic Type: Potential Advice 	DOE-RL: Bill Hamel Ecology: TBD	X				RAP
	Cumulative Impacts Evaluation Status <ul style="list-style-type: none"> Modeling effort (peer review/first quarter and status update/fourth quarter) What waste sites are included? Benchmarking of cumulative impacts Topic Type: Informational 	DOE: TBD Ecology: Nina Menard EPA: Craig Cameron	X			X	RAP
4	Tanks						
	TF Project Updates <ul style="list-style-type: none"> DFLAW System Overview: Focus on TF 	DOE-ORP: Rob Hastings & Tom Fletcher	X	X	X	X	TWC

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	<ul style="list-style-type: none"> How does IDIQ contract support the mission @ Hanford? New Contract Implementation/Transition Potential Tour Topic Type: Informational 	Ecology: Suzanne Dahl & Dan McDonald					
	Tank Waste Retrieval & Closure <ul style="list-style-type: none"> Retrieval path forward A/ AX Farms retrieval Tank Farm Soil Characterization Waste Area Management C Performance Assessment and WIR determination – Update on NRC process actions Understand Tank Closure process, RCRA/CERCLA requirements and implications, look at how it's implemented (precedent for future closures) Alternate waste processing opportunities (Test Bed Initiative (TBI) etc.) Topic Type: Informational with Potential Advice 	DOE-ORP: Rob Hastings & Vanessa Turner Ecology: Jeff Lyon & Suzanne Dahl (Tank Waste Processing) & Annette Carlson	X				TWC (Potential joint with RAP) Potential COTW
	Tank Integrity Program <ul style="list-style-type: none"> DST / SST Tank Integrity Program updates if needed The ability of the double shell tanks to meet the goals of WTP Lessons learned from AY-102 to mobilize faster Topic Type: Informational 	DOE-ORP: Dusty Stewart & Rob Hastings (retrieval) Ecology: Steve Lowe				X	*TWC, BCC
	Tank Vapors (Also Worker Health & Safety) <ul style="list-style-type: none"> Update on implementation of Full-Face Air Purifying Respirator (FFAPR) usage Monitoring technology update 	DOE-ORP, Jim Lynch	X				*HSEP, TWC

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	<ul style="list-style-type: none"> Settlement Agreement Requirements Topic Type: Informational 	Ecology: Jeff Lyon & Lilyann Murphy					
5	WTP						
	Technical Issue Resolution <ul style="list-style-type: none"> Final PT issues resolution Meaning of resolution vs. closure Status on high-level vit Pretreatment Capacity Topic Type: Informational 	DOE-ORP: Tom Fletcher Ecology: Dan McDonald	X	X (HL)	X (PT)	X (PT)	*TWC, BCC
	System Planning: System Plan/One System Integration <ul style="list-style-type: none"> SP9 Path Forward Topic Type: Informational 	DOE-ORP: Kaylin Burnett Ecology, Dan McDonald				X	TWC
	Direct Feed Low Activity Waste Process <ul style="list-style-type: none"> DFLAW Overview Status update for DFLAW facilities in s/u & commissioning WTP: DFLAW (incl-EMF) Permit Modification Interactions TSCR tank farms upgrades Topic Type: Informational 	DOE-ORP: Erik Olds Ecology: Dan McDonald and Mandy Jones (for DFLAW Permitting)	X	X	X	X	TWC HSEP – For DSA only
	Glass Formulation Annual Update -TBD <ul style="list-style-type: none"> Topic Type: Informational 	DOE-ORP: Albert Kruger Ecology: Dan McDonald					TWC

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6	Worker Health & Safety						
	Heat Stress Mitigation/Worker Monitoring <ul style="list-style-type: none"> Results and lessons learned from heat stress monitoring project, emerging technologies for personal safety monitoring devices, relationship to workforce safety What had to change with heat stress monitoring to lift stop work? (Polar Technology & heart rate) Best Practice & Successes Site Wide Topic Type: Informational 	DOE-RL: Tobin Mott DOE-ORP: Chris Kemp		X			HSEP
	Site Wide Respiratory Protection Program <ul style="list-style-type: none"> New equipment Implementation Changes Topic Type: Informational 	DOE-RL: Brian Stickney DOE-ORP: Glyn Trenchard		X			HSEP
	Tank Vapors (Also in Tanks) <ul style="list-style-type: none"> Update on implementation of FFAPR usage Monitoring technology update Settlement Agreement Requirements Topic Type: Informational (joint TWC/HSEP) 	DOE-ORP: Jim Lynch	X				*HSEP, TWC
	Traffic Safety <ul style="list-style-type: none"> Follow-up from HSEP Advice Topic Type: Informational 	DOE-RL: Corey Low		X			HSEP
	Organizational & Safety Culture <ul style="list-style-type: none"> Where is it today? How are you going to implement safety onsite? Establishing high ethical standards Value statements & expectations 	DOE:			X	X	HSEP

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	<ul style="list-style-type: none"> • Topic Type: Informational 						
7	Permitting/Authorization						
	<ul style="list-style-type: none"> • RCRA – Site Wide Permit • Coordinated Closures between RCRA & CERCLA • Rev 9 updates <u>Draft due for comments for public comments FY22 (Phased rollout)</u> • Public Engagement & Understanding of Permit Processing/Timelines <ul style="list-style-type: none"> ○ Permit Tutorial on why it is so complicated ○ Agreed to working principles document ○ Streamlining permit processes and implementation ○ Work between agencies to sequence and coordinate technical permitting processes, public involvement activities. ○ Considerations for increasing efficiencies that meet regulatory deadlines and provide the assurances that regulatory agencies need. ○ Present visual flowsheet that describes various requirements, timing, etc. ○ Public involvement focus; opportunity to address how permitting process relates to public comment periods ○ How to do public involvement discussion to improve engagement • Rev 8C forecast & permit progress • Phase Permitting on WTP (Construction vs. Operational) 	Ecology: Suzanne Dahl & Stephanie Schleif (Site Wide Permit)	X	X	X	X	All

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	<ul style="list-style-type: none"> DFLAW Flow Chart Topic Type: Informational with Public Comment Participation 						
8	Infrastructure Status						
	<p>Structures Site-Wide (Frey)</p> <ul style="list-style-type: none"> The status of structures on the site in relation to min-safe maintenance including domestic/fire/industrial supply water, sewer, utilities, roads, communications, data management, and traffic safety (HSEP lead) including contingency plans. <p>Project Specific</p> <ul style="list-style-type: none"> Infrastructure to support the tank farms, WTP and Hanford cleanup mission (labs, ETF, etc.), setting up the Central Plateau for success and supporting the workforce. RL support/infrastructure in support of DFLAW operations How do you define infrastructure (terminology such as mortgage costs, hotel costs, etc.)? What are your priorities? What are the cross-cutting infrastructure needs? May be a series of separate briefings for TWC/RAP/HSEP for separate areas of interest. For TWC, updates may be related to the Tank Integrity topic. Relationship to budget priorities or continuing resolution 	<p>DOE-RL: Jeff Frey</p> <p>DOE-ORP: Erik Olds</p> <ul style="list-style-type: none"> DFLAW (Olds) Tank Farms (Hastings) Central Plateau (Hamel/Frey) 		X	X	X	All Potential COTW

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	<ul style="list-style-type: none"> • Topic Type: Informational 						
9	Outreach						
	Discussion <ul style="list-style-type: none"> • Provide input on the agencies upcoming outreach activities • Provide feedback on public involvement efforts for TPA activities • Discuss opportunities for the agencies to engage with the public • Evaluate & provide recommendations for Hanford Regional Dialogue meetings & Regional HAB meetings • Discuss how to foster institutional knowledge • Provide potential tutorials (on what?) <ul style="list-style-type: none"> ○ Cleanup on Hanford Groundwater (Ginger) • Round robin discussions on HAB member outreach activities • Review and discuss diversity goals/Increasing engagement in diverse community • Discuss opportunities for webinars • Helping Agencies to set conditions for constructive dialogue at public meetings <ul style="list-style-type: none"> ○ Communicating TPA’s vision more effectively ○ Communicating science/tech opportunities more effectively ○ Why does it matter? <ul style="list-style-type: none"> • Topic Type: 	TPA	X	X	X	X	PIC
10	Contract Procurement						

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	Contract Procurement <ul style="list-style-type: none"> Review & Status on Contract Transitions End State Contract Progress Contractor’s approach to safety Topic Type:	DOE: Brian Vance	X		X	X	*BCC, All
11	Budget						
	<ul style="list-style-type: none"> DOE will update the Board on annual budget priorities information Relationship to Critical Infrastructure FY2022 Local DOE Budget Submittal Review Process & HAB Input Opportunities Review of legal requirements 89-1 consent decree and revisions? Prioritization of Project Lifecycle Scope, Schedule & Cost Report Lack of coverage to compliance budget needs Productivity Improvements (super stretch goals, etc.) Topic Type: 	DOE: Greg Jones Ecology: Anne Knaap EPA: Craig Cameron		X	X		*BCC, All Potential COTW
12	Tutorials & Guidance						
	Tutorials & Guidance <ul style="list-style-type: none"> Potential for Agency Tutorials; For Example: <ul style="list-style-type: none"> Permitting (RCRA, AIR) Cumulative Impacts Analysis Composite Analysis (Models) Tri-Party Agreement Electronic Records for Committee Working Business HAB Internal Work 	DOE: Ecology: EPA:					All

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	<ul style="list-style-type: none"> ○ Values & Diversity ● Topic Type: Informational 						
	Simplified Waste Primer (Potentially completed in FY19) <ul style="list-style-type: none"> ● Definition of Waste Types ● Asking for Agency Review ● Topic Type: Informational 	DOE:					HSEP
	Process Manual/Board Education/Communication – Ongoing Activity <ul style="list-style-type: none"> ● Materials for new board members ● Best Mechanism for communication for all board members ● Topic Type: Informational 	DOE:					*PIC, All
13	Programmatic Topics						
	Science and Technology Needs at the Hanford Site <ul style="list-style-type: none"> ● What technologies are the Agencies looking at? ● Programmatic integration ● Topic Type: 	DOE-RL: TBD DOE-ORP: TBD					*EIC, All
	Regulatory Reform <ul style="list-style-type: none"> ● What does it mean for the HAB? ● How can the HAB contribute? ● What are they looking to change? ● Could reclassification impact Hanford? ● NEPA/EPA Superfund Taskforce/DOE Order 435.1 ● Topic Type: 	DOE-RL: TBD DOE-ORP: TBD					COTW
	TRU Waste <ul style="list-style-type: none"> ● Draft Milestones (M-91) ● Topic Type: 	DOE: Mark French Ecology: John Price	X				RAP

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	<p>Risk/Opportunities</p> <ul style="list-style-type: none"> • Common understanding and definition of what risk is. • How is risk used to make informed decisions? <ul style="list-style-type: none"> ○ Opportunities to complete work that will reduce overhead or hotel costs. ○ Cost of inaction • Understanding basis for risk-based decisions • Site end states • Communicating implementation of best practices, lessons learned and recommendations (National Academy of Sciences, GAO) <ul style="list-style-type: none"> ○ How are HAB members communicating to his or her constituency? • Supplemental Low-Activity Waste <ul style="list-style-type: none"> ○ National Academy of Sciences 	<p>DOE-RL: TBD</p> <p>DOE-ORP: TBD</p>					All
	<p>Hanford Workforce Planning and Development</p> <ul style="list-style-type: none"> • Establish programmatic requirements and funding to ensure that DOE and Hanford contractors address development and maintenance of a robust Hanford workforce pipeline, including internships, mentoring, diversity, succession planning, advancement/transfer opportunities, and recognition/rewards programs. • Developing & maintaining key technical expertise <ul style="list-style-type: none"> ○ Promoting institutional knowledge • Roundtable Discussion at Full Board • How does contract change and transition affect cleanup goals and safety? • How does it affect worker safety? <ul style="list-style-type: none"> ○ What could the HAB advise or recommend to mitigate it? 	<p>DOE-RL: TBD</p> <p>DOE-ORP: TBD</p>	X		X		<p>All (Full Board Briefing)</p> <p>Individual Committee Discussion</p>

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	<ul style="list-style-type: none"> • Topic Type: Potential product for input on how to address planning and development 						
14	Emerging Topics at the Hanford Site						
	Emerging Topics at the Hanford Site <ul style="list-style-type: none"> • Offsite Disposal of Waste <ul style="list-style-type: none"> ○ WIPP ○ Commercial Low-Level Waste Disposal Facility • Composite Analysis • Emergency Preparedness • Safety Site Boundary <ul style="list-style-type: none"> ○ Nuclear (land use) ○ Air Quality • Topic Type: 	DOE: Ecology:					*EIC, All

Overarching Questions

1	• Are there decisions or milestones coming soon?
2	• What is the project schedule or do you expect delays?
3	• Is there funding? When will work start?
4	• Which contractors are changing?
5	• Are there opportunities for Board input?
6	• Are there changes occurring?
7	• Is there any new technology needed?
8	• What is the risk/benefit?
9	• How does this project support the overarching Hanford Site vision?

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Holding Bin Topic	Context
Annual Employee Concerns Program – Potential 1-time update when RFP’s come out.	<ul style="list-style-type: none"> • Programmatic update as needed • Transition to a new contractor (when RFPs come out) • Dispute resolution process
Beryllium Program	Programmatic update as needed
ERDF	Updates
Integrated Priority List and Schedule	<ul style="list-style-type: none"> • Integrated Schedule • Integrated Priority List
Delegation of Decision Making at Mature Sites	Watch List
200-DV-1 (Deep Vadose Zone)	<ul style="list-style-type: none"> • Characterization
Pensions & Debt (need clarification)	<ul style="list-style-type: none"> • Will this affect cleanup dollars? • Clarification from Headquarters
Risk Registry, EE/CA Actions	<ul style="list-style-type: none"> • Non-funded projects for FY 2020
Performance Assessment for Integrated Disposal Facility (IDF)	<ul style="list-style-type: none"> • When PA is available

DRAFT