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**HANFORD NATURAL RESOURCE TRUSTEE COUNCIL
BI-MONTHLY MEETING
Sept. 21-23, 2010
Natural Resources Bldg., Olympia, WA**

Meeting Summary

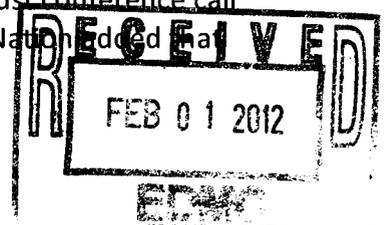
The goals of the meeting were to:

- Conduct administrative business and transfer to the 2011 Chair
- Conduct 2011 scheduling and coordination with Phase II
- Identify additional 2011 studies and other work
- Discuss NRDAR response integration path forward
- Discuss early restoration and other TWG issues
- Receive updates on NRDAR training and sturgeon sampling
- Plan Senior Trustee meeting

The final agenda is included as Attachment A. Attendees are listed at the end of the meeting summary. The meeting summary below is organized by topic. Action Items are listed as AI followed by a number, and the current Action Item list is included as Attachment B. The current Issue Paper list is included as Attachment C.

Administrative Business

- **Chair Transfer.** The outgoing Chair, Jay McConnaughey, made some remarks about the progress that had been made in FY2010, such as initiation of Phase II of the Injury Assessment Plan and progress of the TWGs. He hopes for continued progress in FY2011. The incoming Chair, Russ MacRae, presented Jay with some gifts for his service to the HNRTC. He then made some remarks concerning his approach to the Chairmanship and the coming year.
- **Agenda and Meeting Summaries.**
 - Thursday's agenda was revised to begin at 8 am and end at 11:30 am to accommodate another group using the room. John made and Paul seconded a motion that the revised agenda be approved, and the motion passed unanimously.
 - Minor edits were made to the July meeting minutes. Jay made and Paul seconded a motion to approve the amended meeting minutes, and the motion passed unanimously.
 - Paul made and Larry seconded a motion to approve the August conference call minutes, and the motion passed unanimously. The Yakama Nation...



they still wish to pursue the issue of obtaining detailed unedited meeting minutes.

- The proposed process for document review attached to the August All-TWG meeting summary was edited to include the word "Draft" in the title, since the HNRTC would be working on it more later in the meeting. The HNRTC agreed that it was not appropriate to approve the meeting summary for the August All-TWG meeting. Paul made and Larry seconded a motion to include the August All-TWG meeting summary in the September meeting minutes and include it in the administrative record. Yakama Nation abstained and the other six voting members approved. The motion passed, and the All-TWG meeting summary is included as Attachment D to this meeting summary.
- **Administrative Record.** To ensure continuity of the administrative record, the HNRTC requested information on how the archive would be managed upon Dana's upcoming retirement. Dana described how and where the records were kept, both hard copy and electronically, and it was agreed that a tour of the administrative record might be appropriate prior to the November meeting [*Note: the decision later in the meeting to conduct a data workshop on Tuesday of the November meeting is likely to conflict with this idea*]. Steve is reviewing the record to ensure that it is fully up-to-date, and Janis' secretary has also been learning the procedures for putting documents into the record promptly.
- **Mailing Lists.** The HNRTC has an e-mail list for internal business, including notification of meetings and agendas, as well as more sensitive business. Recently, other agency staff have requested to be put on the list, but this might not be appropriate due to the nature of the topics sometimes discussed. It was agreed to put a meeting calendar on the DOE HNRTC page and for DOE to post final agendas there as they become available [A1337]. A contact person would be listed there if a member of the public or other group wants to attend a meeting.
- **Hanford Booklet.** Most HNRTC members had not reviewed the Hanford Booklet and requested further opportunity to do so. Charlene suggested a disclaimer by inserted upfront in the document. Paul made and John seconded a motion that trustees must provide any comments to Dan by October 15 or they would be considered to have approved the booklet. Any comments would be discussed if needed at the November meeting, with the goal of printing the booklet before the end of the calendar year. Yakama Nation abstained and the other six voting members approved, and the motion passed.
- **2008-2010 Budgets.** Steve passed out budget summaries for 2008-2010, along with an explanation of discrepancies from Jay's records, and the most current spreadsheets for the 2010, 2011, and 2012 budgets. DOE expects that a more complete accounting for FY 2010 can be provided a couple of months after the fiscal year closes, by the November meeting. Paul urged that in reconciling old budgets, the focus be on the 2010 budget, so

that correct figures would be used as we move ahead into 2011. Janis reported that DOE legal and procurement have determined that the HNRTC can receive copies of current contractor invoices. Jay requested that past invoices be obtained and provided to the HNRTC; DOE will look into getting them [AI338].

It was agreed that a more complete discussion of the FY2010-2011 budget discussion should be held in November once DOE has its accounting available and there is a better understanding of the Congressional budget situation. Steve will work with the Trustees to obtain information on monies spent in FY2010 and potential carry-over for FY2011 [AI339].

- **HNRTC FY2011 Meeting Schedule.** The HNRTC set its meeting schedule for FY2011, as follows:
 - **Bi-monthly meetings:** Nov 16-18, Jan 18-20, Mar 15-17, May 17-19, July 19-21, Sept 20-22.
 - **Alternate month conference calls:** Oct 18, Dec 20, Feb 23, Apr 18, June 20, Aug 15. Note that these conference calls are from 1-4 pm on the third Monday. However, the Feb call was delayed to Wednesday due to a holiday on Monday and State furlough day on Tuesday.
- **Senior Meeting Planning.** A list of topics was developed for the Senior Trustee Meeting on October 13, including:
 - 2012 budget
 - Decision process
 - NGO
 - Project Coordinator
 - Facilitation contract

The first two are considered the highest priority, since the others can be addressed by the HNRTC if the decision process is resolved. The HNRTC stressed the importance of the receiving decisions from the Senior Trustees on these issues, as the HNRTC cannot continue to function effectively without them.

- **Facilitation Contract.** The future of the facilitation effort for the council was discussed. Some members of the council would like to extend Teresa's contract until the facilitation issue could be resolved, possibly at the Senior Trustee meeting on October 13. The YN was not supportive of an extension and reiterated its opposition to rehiring Teresa. There are currently three resumes to review from YAHS GS that will be circulated to the council for consideration. There will be no facilitator for council meetings or conference calls until the issue is resolved.

Updates

- **NRDAR Training.** The on-site NRDAR training was held August 11-12 in Richland. Russ gave a recap of what was presented and Russ and Janis reflected on how it was received by DOE staff and the types of questions asked. There was discussion of following up with more specific how-to training once the HNRTC has more specifics to offer.
- **Sturgeon Sampling.** Russ reviewed the expert's workshop that was held to discuss sturgeon sampling to support the River Corridor risk assessment. A meeting report should be available by early October. Although it was stated that no decisions had yet been made and that the HNRTC would have an opportunity to get involved in the study design, significant concerns were raised regarding the schedule, whether meaningful involvement was still possible, the goals of the study, and why the effort had been conducted separately from the HNRTC, rather than taking note of earlier efforts to design a sturgeon study by the Yakama Nation and work done by other members of the HNRTC. The Yakama Nation provided a history to members of the HNRTC on the Yakama Nation's efforts to conduct this work and expressed interest in still doing so. It was expressed that an opportunity still exists for the USDOE to extend an offer to have the Yakama Nation lead the sturgeon work. YN requested further consultation with DOE on this issue.

Phase II Planning

- **Phase II Deliverable Review Process.** The HNRTC built on the Phase II deliverable review process begun at the August All-TWG meeting, adding in the HNRTC review and approval steps. The final process developed is provided as Figure 1 at the end of the meeting minutes. Paul made and Dana seconded a motion to approve the process, and the vote was unanimously in favor.
- **Data Management and QA/QC TWGs.** The HNRTC discussed the need and purposes for Data Management and/or QA/QC TWGs. It was decided to form at this time a combined Data/QA/QC TWG and split them later if it made sense. Jack agreed to be the Chair of this TWG and get it started. Russ will draft a formal resolution establishing the new TWG for a vote by the Trustees [AI340]. Jack will determine which Trustees want to participate in this TWG [AI341]. The need for a data management meeting was discussed, with some potential QA/QC components. Steve noted that the IT staff working on the Hanford Collaboration Zone also wanted to meet with the HNRTC to elicit their needs for the HCZ. It was agreed to combine these meetings and hold them for a full day on Tuesday of the November meeting (Nov. 16). Alix and Steve were tasked with getting the appropriate DOE and IEc staff together to discuss and develop the agenda [AI342].
- **Phase II Deliverable and Review Scheduling.** The HNRTC reviewed the Phase II deliverables for FY2011, adjusted some of the due dates to provide a better flow of

deliverables throughout the year, and scheduled deliverable dates and review periods. The following schedules were developed:

- **Toxicological Profiles and Life History Summaries.** The profiles and summaries for the initial species and chemicals selected by the HNRTC will be due **Dec 23, 2010**, with discussion and a vote to accept the reports by the HNRTC at the **January meeting**. Profiles for additional species and chemicals will be due 3 months after HNRTC selection and direction to IEC to proceed. These deliverables do not have an HNRTC review cycle. However, the HNRTC requested that IEC provide a few priority profiles early for TWG review (see Selection of Species and Chemicals of Concern under TWG activities for more discussion).
- **Injury Thresholds and Tests.** The HNRTC is not yet ready to give the go-ahead on this task and is deferring action on it. The report will be due 3 months after the HNRTC gives direction to IEC to proceed.
- **Services Flow Report.** Barb made and Paul seconded a motion to have IEC proceed on this task, and the Trustees unanimously approved the motion. Therefore, the report will be due **Dec 23, 2010** and the HNRTC will vote on it at the **January meeting**. This deliverable does not have an HNRTC review cycle. However, the HNRTC requested that IEC provide an outline to the TWGs for review early in the process to obtain some initial TWG feedback.
- **Injury Assessment Plan Outline.** Russ MacRae has offered to serve as the document manager for this report. The document will be on the following review cycle:
 - Draft received **Nov 2, 2010**
 - Initial discussion of thoughts/issues at **November meeting**
 - IEC/HNRTC full-day workshop on **Dec 7, 2010**
 - Comments due to **Russ** by **Jan 4, 2011**
 - Chair sends comments to IEC by **Jan 31, 2011**
 - Final received **Feb 28, 2011**
 - HNRTC discussion and final vote at the **March meeting**
- **Public Involvement Plan (PIP).** The HNRTC recommended that IEC take a careful look at the DOE/Tri-Parties PIP and see if it can be followed or adapted for this process. At the same time, the Trustees recommended that public involvement for NRDAR be distinguished from other activities at Hanford. Larry Goldstein offered to serve as document manager for this effort. The document will be on the following review cycle:
 - Draft received **Feb 1, 2011**
 - Comments due to **Larry** by **Feb 22, 2011**
 - Comments compiled and returned to the HNRTC by **March 1, 2011**

- Discussion/reconciliation of comments at the **March meeting**
- Chair sends comments to IEC by **April 1, 2011**
- Final received **May 2, 2011**
- HNRTC discussion and final vote at the **May meeting**

- **Information Management System Framework.** This report is due **June 23, 2011** and the HNRTC will vote on it at the **July meeting**. This deliverable does not have an HNRTC review cycle.

- **Data Management Plan and Quality Assurance Management Plan.** Jack Bell will serve as document manager plan, and Paul Shafer will serve as document manager for the quality assurance plan. These documents will both be on the same review cycle:
 - Draft received **April 23, 2011**
 - Comments due to **Jack (DMP)** and **Paul (QAMP)** by **May 23, 2011**
 - Comments compiled and returned to the HNRTC by **June 1, 2011**
 - Discussion/reconciliation of comments at the **June conference call**
 - Chair sends comments to IEC by **July 1, 2011**
 - Final received **Aug 1, 2011**
 - HNRTC discussion and final vote at the **August conference call**

- **Data Gap Report.** John Carlton will serve as document manager. This document will be on the following review cycle:
 - Draft received **June 23, 2011**
 - Share comments with Council and send to **John** by **July 23, 2011**
 - Review and discuss preliminary comments on the draft report at the **July HNRTC meeting**
 - Comments compiled and forwarded to IEC by **August 1, 2011**
 - Discussion/reconciliation of comments at the **August meeting**
 - Chair sends comments to IEC by **Sept 1, 2011**
 - Final received **Sept 23, 2011**
 - HNRTC discussion and final vote at the **October conference call**

- **Initial Injury Study Recommendations.** The HNRTC requested that this report be provided a few weeks early, by **September 1, 2011** so that the HNRTC could review and discuss it at the **September annual meeting**. This deliverable does not have an HNRTC review cycle.

The Council was in agreement supporting the proposed schedule changes, but no official action was taken to request DOE to formally propose the changes to IEC. Dana

requested that the HNRTC conduct a formal vote on the revisions to the contract deliverable dates that would result from this schedule, so that DOE contracting would have direction to make changes to IEC's contract. Russ will draft a resolution and put it to a vote [AI343]. Steve and Callie will update the Phase II Gantt chart to reflect the new dates [AI344].

TWG Activities

- **Selection of Initial Species and CoCs for Profiles.** Charlene presented the outcome of the September 8 TWG workshop to select species and CoCs to get IEC started working on. The TWGs selected 6 initial aquatic species to work on, but did not have sufficient time to complete the terrestrial species. These will be worked on further at the October TWG meetings. The TWGs also selected 7 initial CoCs, along with 7 CoCs that were to be combined into an overall Radiological Dose Profile (RDP). IEC and DOE will work together to determine how this RDP should be counted in terms of the number of CoCs it represents [AI345]. Once this is determined, the TWGs can recommend some additional CoCs, which will also be under discussion in October. These recommendations were summarized in the form of an issue paper and presented to the HNRTC for approval. The YN, however, did not consider these recommendations to be a valid "issue paper."

In lieu of approving the issue paper, Jay moved to have IEC to begin working on the 6 initial species (pearly shell mussel, caddisfly, Chinook salmon, sculpin, white sturgeon and bulrush) and 7 initial CoCs (carbon tetrachloride, chromium, uranium [chemical and radiological], mercury, plutonium [chemical and radiological], PCB, and technetium [chemical and radiological]). Jack seconded and the motion carried unanimously. In addition, the HNRTC requested to see a couple of high-priority profiles for review early, including pearly shell mussel, white sturgeon, chromium, and uranium. The vote passed unanimously. USDOE agreed to discuss with IEC any cost savings on the radiological constituents of interest to the trustees that included Cesium 137, Strontium 90, Iodine 129, and Tritium given that some parties thought these would not be as laborious. It was agreed that the other information that was included in the issue paper would be included in the meeting summary for the Sept 8 TWG meeting. It was also noted that in the future, issue papers should be voted on in their entirety when presented to the HNRTC, although the YN did not consider this to be an issue paper.

In addition, the HNRTC stressed to IEC that it did not expect the Data Gaps Report or the IAP to be limited to these 12 species and chemicals.

- **Early Restoration.** Joe reported that he had not received any comments from the Trustees on the Early Restoration sections of the Restoration Plan, but that comments were always welcome. Joe has had some verbal discussions with several Trustees, including the Yakama Nation, about possible early restoration sites. Joe reported that

the Restoration TWG has been working on reviewing the Revegetation Manual. In addition, work on crediting/valuation approaches is getting started; John will check with IEC to see how much overlap there is on this task with the Services Flow Report.

- **Aquatic TWG.** Charlene reported that there were two candidates for Chair of the Aquatic TWG once she steps down, and asked the HNRTC how the Chair should be chosen. The HNRTC agreed that the TWG should choose its own Chair, in accordance with the Bylaws in the same manner as that noted under the provision related to Committees. She also confirmed that their focus on the sturgeon sampling, as one of the near-term high-priority tasks.

Additional FY2011 Activities

- **Studies and Work Plans.** The HNRTC discussed what other studies and work plans it might want to take on in FY2011 in addition to Phase II work and response integration. The Baseline Study that has been under discussion was the highest priority. Trustees were concerned about workload and chose not to begin development of a Scope of Work, although there was general agreement that a contractor would likely be needed to complete this study. The Trustees would like to keep making incremental progress on this study, and agreed to begin by identifying what the key questions are that the study should answer. Callie will coordinate this effort and will work with the TWG Chairs to facilitate discussion of this topic during the next couple of months [AI346]. Russ was requested to send an e-mail to the TWG Chairs with this request from the HNRTC [AI347].

Another issue that could be explored is what assumptions or stipulations could be made that that would simplify determination of baseline and determination of injuries. There was discussion of when DOJ as a representative of the United States might need to be brought in to agree to any such stipulations, or whether DOE could conduct those negotiations, at least initially.

Two other studies had been identified as priorities at the February All-TWG meeting. Data mining tasks have been put on hold until access issues can be addressed. Groundwater upwelling sampling was delayed due to changes in DOE plans and schedules. Paul will check on the latest with respect to groundwater upwelling studies [AI348].

- **Response Integration.** The HNRTC reviewed upcoming response activities, including the River Corridor Risk Assessment (due by the end of October), the data report for the Columbia River Component (overdue), and the Preliminary Remediation Goals, which should have been out around now. Steve will check on the status of those [AI349]. It was also noted that the 200W Groundwater RI/FS/PP is due out at the end of September. There are still no dates listed for the Central Plateau Risk Assessments. Paul expressed concern about DOE seeking a change in the soil compliance depth, which

could affect many different sites. Barb also mentioned concern about Borrow Area C soil not turning out to be of the intended quality. She has had difficulty getting backup documentation on how the area was delineated and whether it was adequately sampled in advance.

Paul expressed continued concern about the lack of maintenance, monitoring, security, and other long-term life-cycle costs in the remedial costs used to select among alternatives, as well as the lack of any consideration of NRDAR liabilities that might be associated with them. The HNRTC discussed the possibility of putting together a case study that demonstrates how NRDAR liabilities might be factored into alternative selection, using a matrix similar to that in the 1993 DOE integration policy. Even if it is not possible to develop a preliminary estimate of damages, it may be possible to develop relative order of magnitude estimates of differences between the alternatives. It was considered best to start with a smaller site, and some candidates suggested included NRDWL, the 200-East groundwater area, and either the 100-N or 100-K areas in the River Corridor. Dana and Janis will check with site managers to see if there might be other good candidates that DOE would suggest [A1350].

Jack suggested that responding to individual documents and attempting to provide piecemeal comments may not be that effective, and that a broader top-down approach was needed with management buy-in. Teresa summarized areas in which response integration has been discussed as possible topics for white papers or workshops that the HNRTC could provide to site managers as a follow-up to the recent training:

- Integration of NRDA information needs with RI sampling
- Integration of NRDA concerns and thresholds into risk assessments
- Consideration of NRDA liabilities in selection of remedies
- Early restoration opportunities associated with remedial actions

There was further discussion of the need to obtain DOE management approval and commitment to following the DOE 1993 integration memorandum prior to conducting further workshops or developing materials for site managers, to ensure that the work products would be used and would find their way into response documents and decision-making. It was also noted that NRDAR integration could affect Tri-Party milestones and agreements, and that EPA and Ecology regulators need to be brought into the discussion. Paul made and John seconded a motion that Russ would draft a letter on behalf of the HNRTC to Matt McCormick, Matt Duchesne, and Inés Triay, cc:d to EPA and Ecology, requesting support for integration of NRDAR and response actions, and a followup meeting to discuss what products or workshops would be useful. The motion passed unanimously [A1351]. It was suggested that the 1993 and other relevant integration policies be attached to the letter.

On a separate but related topic, concern was expressed over evolving plans for green energy parks and other possible future uses of the Hanford Site. Paul noted that Tridac is holding a series of forums to discuss ideas for future use of the site after completion

of cleanup. Janis reported that a forum organized by DOE will be held in December to discuss possible plans and future uses of the site. She also noted that DOE does not intend for development of the Site to expand beyond the 60 square mile area identified for development in the Comprehensive Land Use Plan. The HNRTC decided that it would like to participate in this discussion and should prepare some background information in the form of a white paper to introduce the issues. The Chair could also speak at the meeting on the HNRTC's behalf. Paul agreed to prepare a white paper for approval at the November meeting [AI352]. Janice will contact Colleen French and let her know that the HNRTC wishes to speak at the meeting and address future uses of the Hanford site, as well as remind her of the need for tribal consultation [AI353].

Meeting Attendees

CTUIR: Barb Harper, Rico Cruz, Matt Johnson²

Nez Perce Tribe: Jack Bell

Oregon: Paul Shaffer

WA Dept. of Ecology: Larry Goldstein³, Jean Hays

WA Fish & Wildlife: John Carleton, Mark Hunter²

NOAA: Charlene Andrade

Yakama Nation: Jay McConnaughey, Brian Barry, Russell Jim, Callie Ridolfi³, Natalie Swan^{1,5}, Rose George^{1,5}, Michael Calac

US Fish & Wildlife Service: Russ MacRae, Joe Bartoszek

US Dept. of Energy: Dana Ward, Janis Ward, Steve Wisness, Connie Smith^{4,5}

Facilitator: Teresa Michelsen

Industrial Economics: Bob Unsworth^{2,5}, Alix van Geel³, Jen Kassakian³

¹ Present on Tuesday and Wednesday

² Present on Wednesday

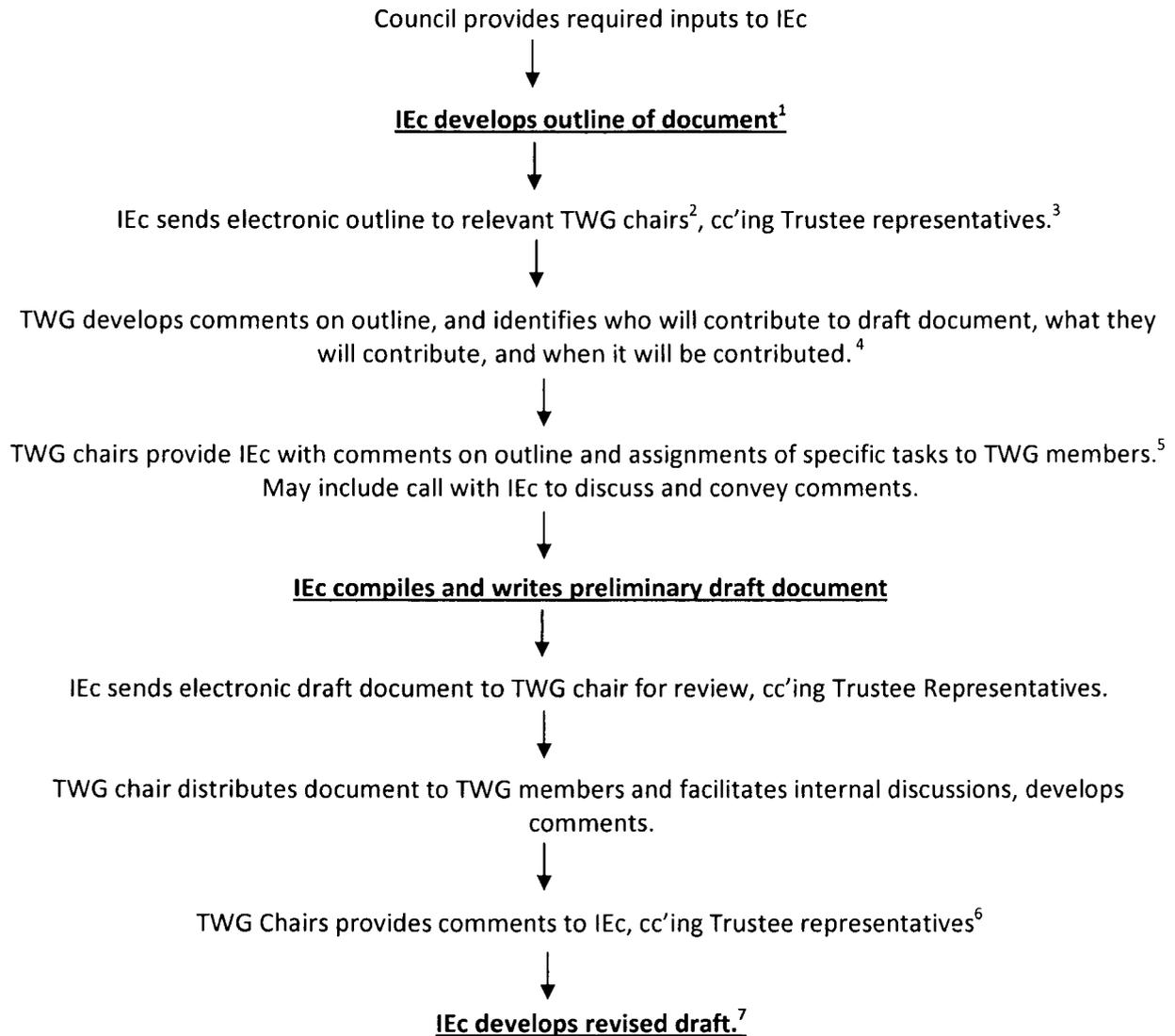
³ Present on Wednesday and Thursday

⁴ Present on Thursday

⁵ Present by phone

Figure 1

Final Process for Document Review



¹ In some instances an outline review is not built into the process. In this case skip this step.

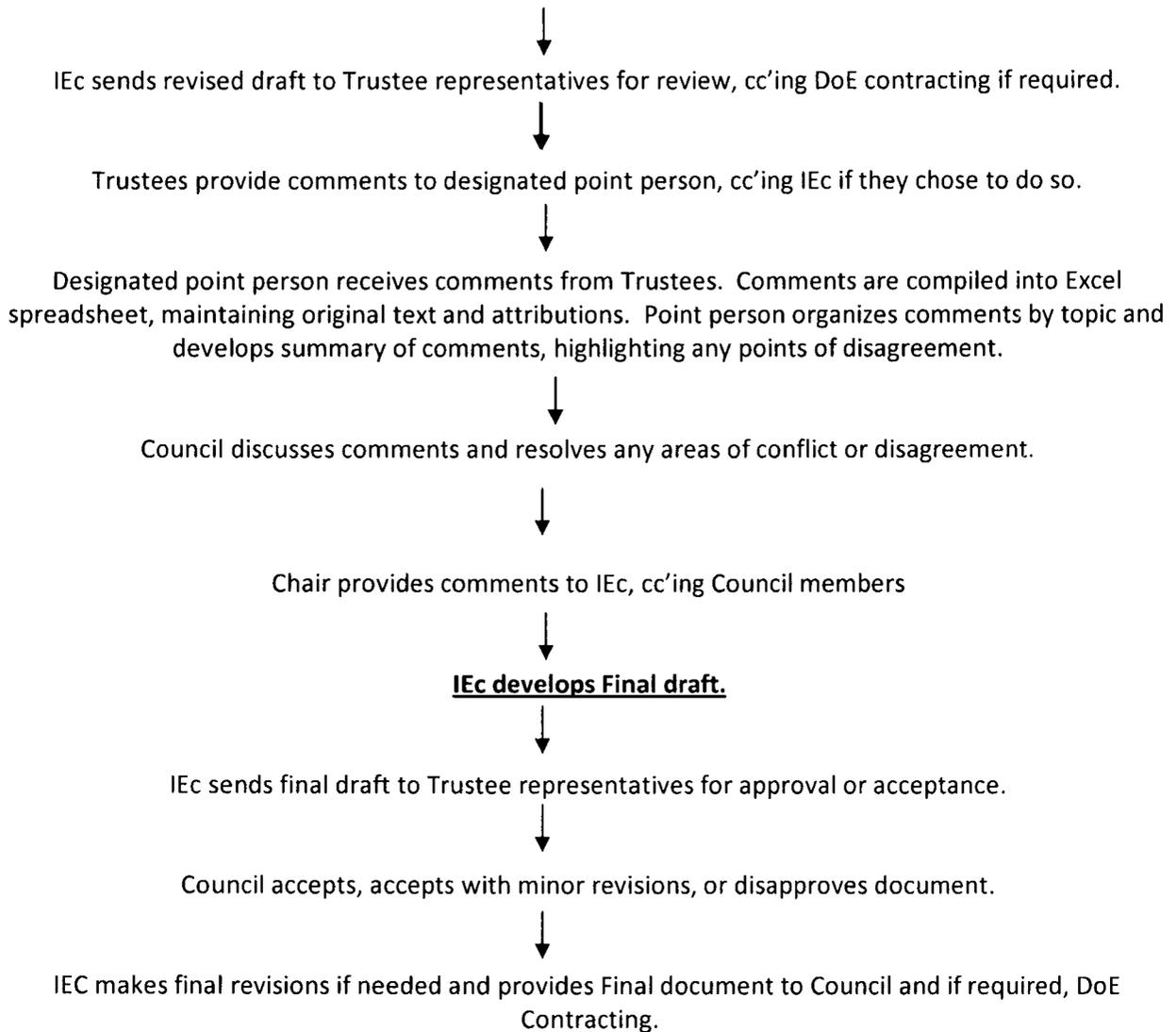
² TWG chairs are responsible for distributing documents and communicating key deadlines to TWG members.

³ Includes deadline for comments and, potentially, schedule for call.

⁴ Any interested party can join TWG for purpose of providing comment on a document.

⁵ Agreement that deadlines, for the most part, should be hard. If deadline will not be met, task is re-delegated or IEC moves forward.

⁶ In cases where disagreement exists, IEC attempts to develop consensus, or, if necessary, provides multiple viewpoints in draft document for Council review.



⁷ Previous sections do not occur for deliverables that do not have a built in review cycle and are being directly sent to Council (e.g., Public Involvement Plan).

ATTACHMENT A

Time	Focus: Administrative and Contracting	Lead
1:00 pm	<p>Administrative Business: Approve agenda, approve July/August/All-TWG meeting minutes, outgoing remarks by Chair, installation of new Chair, administrative records transfer, distribution list, Hanford Booklet, budget report</p> <p>Purpose: Complete outstanding administrative business and Chair transfer</p>	<p>McConnaughey/MacRae</p> <p>D.Ward/Landeen/Wisness</p>
2:30 pm	<p>Break</p>	
2:45 pm	<p>NRDAR Training Recap</p> <p>Purpose: Review training in terms of impact, lessons learned</p>	<p>MacRae/J. Ward</p>
3:15 pm	<p>Proposed Sturgeon Sampling/NRDA</p> <p>Purpose: Present updated information on the sturgeon study and opportunity for involvement of Trustee council</p>	<p>MacRae</p>
4:30 pm	<p>Adjourn</p>	

Wednesday

Time	Focus: Phase II Planning and TWG Activities	Lead
8:30 am	<p>Phase II SOW Planning</p> <p>Purpose: Establish HRNTC review process for Phase II deliverables; integrate with TWG review/involvement process, discuss QA/QC and data TWGs</p>	Michelsen/IEc
10:00 am	Break	
10:20 am	<p>Phase II SOW Planning, cont.</p> <p>Purpose: Select HRNTC meeting dates; review upcoming deliverables (coming year) and integrate with HRNTC schedule; plan workshops</p>	Michelsen/IEc
11:45 pm	Lunch	
1:00 pm	<p>Selection of 12 Initial Species and Chemicals</p> <p>Purpose: Report on the outcome of the Sept. 8 meeting; select 12 species and chemicals for IEc initial deliverables</p>	Andrade/Michelsen
2:30 pm	Break	
3:00 pm	<p>2011 Studies, Plans, Baselineing</p> <p>Purpose: Identify work the HRNTC plans to take on in 2011 in addition to Phase II participation</p>	Michelsen
4:30 pm	Adjourn	

Thursday

Time	Focus: NRDAR/Response Integration	Lead
8:30 am	<p>Response Integration</p> <p>Purpose: Build on previous ideas/presentations on response integration and process for providing advice to DOE; develop specific approach for near-term deliverables, green energy redevelopment</p>	Michelsen
10:00 am	Break	
10:15 am	<p>Early Restoration Discussion</p> <p>Purpose: Continue discussion of Restoration Plan sections & comments</p>	Bartoszek/Michelsen
11:30 am	<p>Senior Meeting Agenda</p> <p>Purpose: Identify proposed agenda items for Senior Meeting</p>	MacRae
12:00 pm	Adjourn	

ATTACHMENT B

ACTION ITEMS

Note: Yellow indicates changes to previously existing action items, including completion dates, updates, and changes in responsibility. Items with yellow completion dates (or otherwise closed) will not be included on subsequent action item lists. Blue action item numbers indicate new items since the most recent update.

	Assignee/Action	Date Assigned	Date Completed
319	USFWS to issue an interest announcement for the Project Coordinator position, with HNRTC input on the description <i>ACTION: Russ, All</i>	3/23/10	On hold until Senior Trustee meeting
324	Comment on updates to the Hanford History Book, due Oct 15 <i>ACTION: Trustees to Dan</i>	3/25/10	
328	Prepare final budget accounting for 2008 and 2009 <i>ACTION: Janis, Steve</i>	5/19/10	9/21/10
329	Develop scope of work and budget for baseline study <i>ACTION: Baseline study workgroup</i>	5/19/10	
331	Determine whether HNRTC can receive copies of contractor invoices <i>ACTION: Janis</i>	7/20/10	9/21/10
332	Investigate HAB decision process <i>ACTION: Janis, Steve</i>	7/20/10	8/31/10
335	Compile documents that IEC already has and provide a list <i>ACTION: IEC</i>	7/20/10	
336	Provide comments on Chapter 4 of the draft Restoration Plan <i>ACTION: Trustees to Joe by 8/30</i>	7/21/10	9/21/10
337	Add a meeting calendar and agendas to the DOE HNRTC website <i>ACTION: Steve, Dana</i>	9/21/10	
338	Look into obtaining past invoices to provide to HNRTC <i>ACTION: Janis</i>	9/21/10	
339	Determine FY2010 carryover to FY2011 <i>ACTION: Steve, Trustees</i>	9/21/10	

	Assignee/Action	Date Assigned	Date Completed
340	Draft a resolution authorizing the Data/QA/QC TWG <i>ACTION: Russ</i>	9/22/10	
341	Determine the members of the Data/QA/QC TWG <i>ACTION: Jack, Trustees</i>	9/22/10	
342	Develop the agenda for a data meeting on Nov 16 <i>ACTION: Steve, Alix</i>	9/22/10	
343	Draft a resolution amending contract dates for Phase II deliverables <i>ACTION: Russ</i>	9/22/10	
344	Amend Phase II Gantt chart to reflect new deliverable dates and review cycle <i>ACTION: Steve, Callie</i>	9/22/10	
345	Determine how the Radiological Dose Profile should be counted toward the 12 CoC profiles <i>ACTION: Dana, IEc</i>	9/22/10	
346	Work with TWGs to identify questions that need to be answered for baseline study <i>ACTION: Callie, TWG Chairs</i>	9/22/10	
347	Send direction to the TWG Chairs to discuss the questions that need to be answered in the Baseline Study <i>ACTION: Russ</i>	9/22/10	
348	Check on groundwater upwelling activities <i>ACTION: Paul</i>	9/22/10	
349	Check on the status of Preliminary Remediation Goals <i>ACTION: Steve</i>	9/23/10	
350	Check with site managers on possible case studies for NRDAR integration <i>Action: Dana, Janis</i>	9/23/10	
351	Draft letter to DOE re: NRDAR and response integration <i>ACTION: Russ</i>	9/23/10	
352	Draft white paper on future uses of the Hanford site/green energy park <i>ACTION: Paul</i>	9/23/10	

	Assignee/Action	Date Assigned	Date Completed
353	Talk to Colleen French about HNRTC participation in green energy park discussion/forum <i>ACTION: Janis</i>	9/23/10	

ATTACHMENT C

TWG ISSUE PAPERS

Note: Yellow indicates updates to issue papers, including decisions or requests for further information. Green indicates an issue paper that has had a final decision. Letters indicate the TWG that originated the issue paper: AQ – Aquatic Resources; AT – All-TWG meeting or TWG Chairs; GW – Groundwater; HS – Human Services; RS – Restoration; SP – Source/Pathway; TR – Terrestrial Resources. The numbers indicate the two-digit year before the dash and the number of the issue paper after the dash. Issue papers can be found on the Google website.

Number	Issue Paper Title	Date Discussed	Status/Outcome
AT10-01	Approach to Resolution of Issues Raised by Technical Work Groups	5/19/10	Approved with modifications
AT10-02	HNRTC Technical Work Group Mission Statements	3/25/10	Returned to TWGs
AT10-03	Initial selection of species and contaminants for profiles	9/21/10	Withdrawn; most of substance approved, see minutes
GW10-01	Establishing the threshold of injury for groundwater resources	5/19/10	Approved with modifications
GW10-02	Technical working group overlaps	5/19/10	Approved
GW10-03	Access to GIS and environmental data	5/19/10	Response provided
GW10-04	Need for a stand-alone computer with large hard drive	5/19/10	Response provided
RS10-01	Incorporate primary restoration into remedial (revegetation) activities	5/19/10	1) input given, 2) approved, 3) dropped
RS10-02	Development by the HNRTC of a natural resource end state vision for the Hanford site	7/21/10	Approved
SP10-01	Access to DOE data for contaminant source inventory for the Hanford Site	5/19/10	Both 1) and 2) approved with modifications
SP10-02	Selection of 100-B/C as the preferred location for pilot data-mining activities	5/19/10	Both 1) and 2) not approved

ATTACHMENT D

**HANFORD NATURAL RESOURCE TRUSTEE COUNCIL
ALL-TWG MEETING
August 11–12, 2010
Hammer Room 11/12, Richland WA**

Meeting Summary

The goals of the meeting were to:

- Update TWG members on recent and upcoming HNRTC activities
- Introduce the Phase II contractor, IEc, and begin discussions with them
- Develop a process for draft document review and development for the TWGs and IEc
- Review and prepare for upcoming Phase II deliverables; schedule TWG participation
- Discuss specific TWG activities of current interest in greater depth

Introductions and Updates

- **Introductions.** Each of the attendees introduced themselves and their roles on the TWGs. IEc, the new Phase II contractors, also introduced themselves and their team.
- **2010 Review.** Paul Shaffer provided an overview of how the TWGs have evolved based on the Phase I Report and offered some observations on their first year's accomplishments. He encouraged the TWGs to continue doing sound technical work and moving the HNRTC forward toward its goals, remarking that although the overall approach had been somewhat unstructured in the past, the TWGs had still make good progress. He encouraged TWGs to continue to take the lead on activities, rather than wait for guidance from the Council. He also noted that TWG schedules and products would necessarily become more structured and deadline-oriented as we move into Phase II.
- **Phase II SOW Overview.** IEc presented the Phase II tasks and deliverables, along with their timing, to the TWG members. This presentation has been posted to the Google site.

Phase II Coordination

- **TWG Accomplishments and Action Plans.** Each TWG Chair gave an overview of progress to date and accomplishments by the TWG, and outlined their action plan and priority tasks for 2011. Action plans have been posted to the Google site.

- **TWG/IEc Coordination.** The group worked together to develop a process for interaction between the TWGs and IEC during the development of draft Phase II deliverables. Once a deliverable reaches the draft stage, it will go to the HNRTC for review, ideally with a recommendation from one or more TWG chairs for approval. The process that was developed is shown in Attachment C. This diagram is also available on the Google site.
- **Phase II Deliverable Planning.** Each of the near-term Phase II deliverables was reviewed to determine appropriate TWG involvement in developing draft documents, as follows. It was noted that the SOW for the Phase II Contractor did not identify review and comment cycles on outlines or drafts for several of the deliverables identified below. If associated budget impacts become material, IEC will explore alternatives with the HNRTC.

- **Toxicological Profiles and Life History Summaries.** These deliverables were scheduled for early in the Phase II process, because they help inform the Data Gaps Report. To begin writing them, IEC needs a list of 12 initial species and contaminants of concern to focus on from the HNRTC. It was agreed that a previously scheduled Aquatic/Terrestrial TWG meeting on September 8 would be refocused to work on developing these lists. In addition, several attendees suggested that draft lists could be developed and circulated to other Trustees ahead of this meeting, along with relevant literature and previous studies that would support these choices. All TWG members would be invited to attend the Sept. 8 meeting, and a larger meeting space might be needed. The lists that are developed at this meeting would be presented to the HNRTC at the Sept. Annual Meeting, approved or revised, and sent to IEC with a request to begin working on these profiles. IEC provided generic outlines of both a toxicological profile and a species life history summary. TWG leads agreed to provide IEC with any comments on the outlines, and (once the initial species and contaminants of concern are selected), to identify who will be contributing to each of these. Also, once initial species and contaminants of concern are selected, IEC agreed to provide an early draft of one of each type of profile to the TWGs for review to ensure that the format and contents are appropriate.

- **Injury Thresholds and Tests.** IEC will also begin work on this task once the HNRTC has selected 12 initial contaminants of concern to focus on. It was suggested that a radiological/chemical thresholds workshop would be helpful in this timeframe to address specific issues pertaining to radiological contamination and also to convey the types of thresholds that various trustees are interested in having considered. This document would undergo an initial review by the TWGs prior to being presented to the HNRTC.

- **Services Flow.** In this case, it was thought to be useful for IEC to work with the Human Uses TWG for 1-2 months prior to beginning work on this deliverable, to ensure that they have a clear understanding of the various valuation methods the Trustees would like to have included. Therefore, the request date for this document would be around

Nov. 1. Because this deliverable addresses both human uses and ecological services, the Human Uses, Aquatic, and Terrestrial TWGs would be involved in an initial review of a preliminary draft, after which it would go to the HNRTC for review as a draft.

- **Data Management Plan and Quality Assurance Management Plan.** Drafts of these documents are scheduled for 10 months out. TWG involvement would be with possible QA and Data TWGs that do not yet exist. The HNRTC will discuss whether to create one or both of these TWGs at the Sept. Annual Meeting. It was suggested that a QA/QC workshop might be helpful in this timeframe to help ensure a common understanding of the role that QA/QC process plays in natural resource damage assessments. In addition, the need for a data meeting was reiterated to discuss specific TWG and IEC data needs, where the data are housed at DOE, how to gain access to them in the short term, and where to house the data once obtained. This meeting will also be scheduled at the Sept. Annual Meeting.

- **Public Involvement Plan.** This document does not require TWG involvement, and the draft will go straight to the HNRTC for review.

- **Injury Assessment Plan Outline.** Task 5 of the SOW includes a workshop on the draft IAP outline, at which, among other things, TWG involvement in developing and reviewing IAP sections would be discussed, assigned, and scheduled.

TWG Topics

- **Species and Study Selection Criteria.** Members of the Aquatic and Terrestrial TWG presented the draft species and study selection criteria. The Trustees will review and provide comments to Charlene Andrade by September 6th (in time to incorporate into discussions at the Aquatic/Terrestrial meeting in Burbank on September 8th). Trustees should consider whether IEC should address the criteria within their ecological profiles and toxicological profiles.

It was recommended that other TWGs draft criteria for how they plan to focus activities. It was also recognized that the species and study selection criteria need to be expanded to incorporate other biota (invertebrates and plants) and other resources (cultural, geologic, etc).

Some attendees questioned the link between CoCs/SoCs and the study criteria, and how work from other TWGs (e.g., groundwater) fit with the study selection process. It was explained that study selection is really a separate process, and that study selection will consider work for all TWGs.

The Aquatic and Terrestrial TWGs will be meeting 9 am–5 pm, September 8th, at the USFWS Refuge in Burbank, to discuss the criteria and weight of evidence approach to choosing species and studies. Expected outcomes of the September 8th meeting are: a)

provide the HNRTC with recommendations on species for IEc to summarize; and b) provide a final draft of the criteria for HNRTC approval. ***[Note: to accommodate more people, the meeting has been moved to the Ecology building in Richland]***

- **Toxicological and Life History Profiles.** IEc discussed radionuclides and how the toxicological profiles will be developed. The Trustees agreed to develop a short list of CoCs for which IEc would prepare toxicological profiles. Each Trustee will propose their list as soon as possible, and bring the list to the September 8th TWG meeting (see above for meeting info). At the September 8th Meeting, TWG members will review the list and propose the top 12 for IEc to summarize. TWG members will also develop criteria/points for IEc to address within each profile. C. Andrade and D. Landeen will be hosting this meeting, and CoC and species lists can be distributed to Charlene or Dan before the meeting.
- **Human Services.** The Human Use TWG presented perspectives on characterizing and quantifying injury. The TWG will be providing recommendations for prioritizing injury assessment tasks.
- **Baseline Study.** Callie Ridolfi held a discussion on the Baseline Study, and will be working to identify priority tasks and develop a white paper on this study. Callie will send the TWG chairs the latest version of the action plan for the Baseline Study and request comments from the technical representatives for further developing the action plan. It was clarified that working on the Baseline Study was not a confirmed task for 2011, but rather all agreed to better define this task before actually approving actions.
- **NRDAR Training.** Following the end of the formal all-TWG meeting, Russ MacRae and John Wegrzyn (USF&W) presented an afternoon training session and open discussion on the NRDAR process.

Agenda

Wed, Aug 11

- 9:00 am** **Convening (Teresa)**
 - Introductions
 - Agenda and goals for both days

- 9:30 am** **HNRTC Update (Paul)**
 - HNRTC activities
 - Introduction of Phase II contractors

- 10:00 am** **Review/discussion of Phase II SOW and interaction with TWGs**
 - Overview of SOW (IEc)

- 10:30 am** Break

- 10:45 am** - Communication between TWGs/HRNTC/Contractors (Teresa)

- 12:00 noon** Lunch

- 1:00 pm** **Integration of TWG Activities with Phase II SOW**
(Teresa/TWG Chairs/IEc)
 - Brief review of 2010 TWG accomplishments/products
 - Walk through Phase II SOW and identify TWG/Phase II interactions and contributions from TWGs to SOW milestones and products. Evaluate how these fit with existing action plans.

- 3:00 pm** Break

- 3:30 pm** Integration of TWG Activities with Phase II SOW, continued

- 5:00 pm** Adjourn

Thurs, Aug 12

- 8:00 am** **Technical TWG Topics**
- Study and species selection criteria (Charlene and Dan)
- 9:00 am** - Toxicological and life history profiles (IEc)
- 9:45 am** Break
- 10:00 am** - Human services (Barb)
- 11:00 am** - Baseline study (Callie)
- 12:00 noon** Adjourn
- 1:00 pm** Informal NRDAR training/discussion (MacRae, Wegrzyn, USF&W)

Meeting Attendees

CTUIR: Barb Harper, Rico Cruz, Stephen Link, Ted Repasky, Matt Johnson

Nez Perce Tribe: Dan Landeen, Jack Bell, Sandra Lilligren, Jonathan Matthews, Anthony Smith, Annie Kane, Mike Sobotta, David Bernhard

Oregon: Paul Shaffer, Dale Engstrom

WA Dept. of Ecology: Larry Goldstein, Jean Hays, Dib Goswami

NOAA: Charlene Andrade

Yakama Nation: Jay McConnaughey, Brian Barry, Callie Ridolfi, Natalie Swan, Michael Calac, Tom Bowden, Kristin Callahan, Sherrie Duncan, Colin Wagoner, John Beckstrom, Wade Riggsbee, RoseMarie Lewis-George

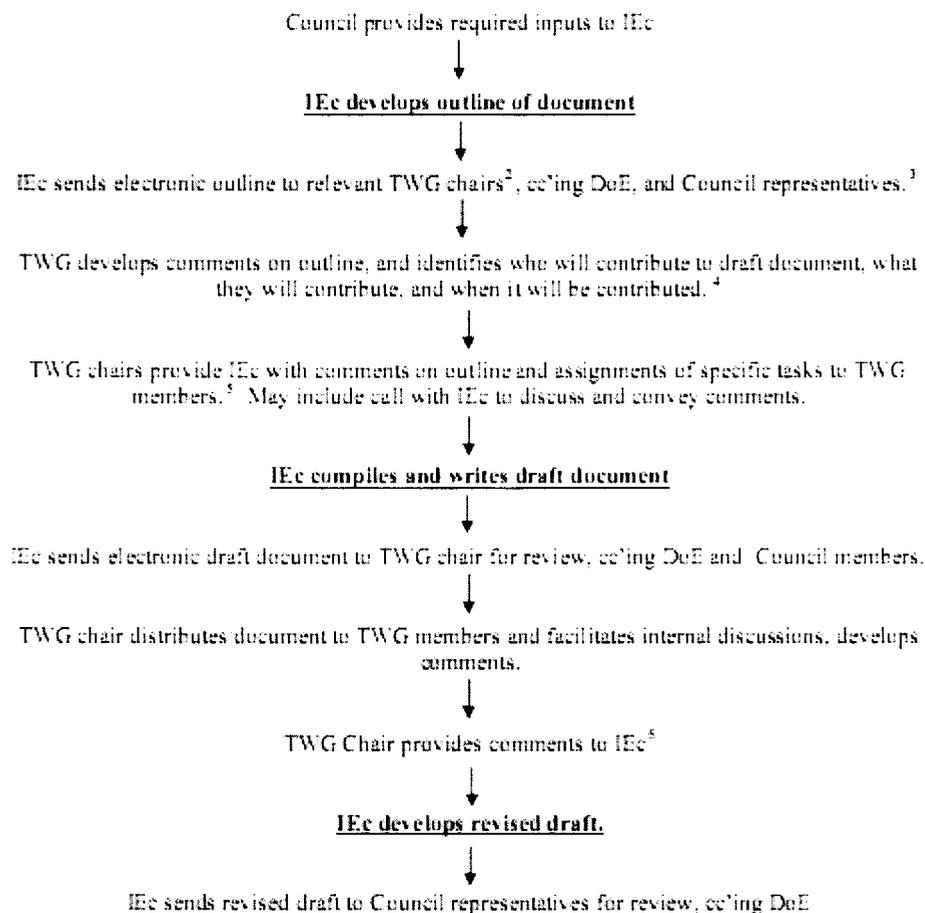
US Fish & Wildlife Service: Joe Bartoszek

US Dept. of Energy: Dana Ward, Steve Wisness, Ted Ponston

Facilitator: Teresa Michelsen

Industrial Economics: Bob Unsworth, Jen Kassakian, Alix van Geel

Proposed Process for Document Review¹ - DRAFT



¹ This outline reflects documents for which TWGs will have significant involvement in process. In certain cases, documents may go directly through the Council.

² TWG chairs are responsible for distributing documents and communicating key deadlines to TWG members.

³ Includes deadline for comments and, potentially, schedule for call.

⁴ Any interested party can join TWG for purpose of providing comment on a document.

⁵ Agreement that deadlines, for the most part, should be hard. If deadline will not be met, task is re-delegated or IEc moves forward.

⁶ In cases where disagreement exists, IEc attempts to develop consensus, or, if necessary, provides multiple viewpoints in draft document for Council review.