

**ACTION** Item Status Document (from April 2003 FPOM meeting).

5. Research Updates: Bill H. stated (**ACTION**) that he wants a study plan from Mark Smith of NWW. RE: (At TD, the sluiceway release pipes at installed at Spillbays 2 (four pipes) and 4 (2 pipes). The balloon tag will take place in mid-May if tailwater is appropriate. The release pipes are at different elevations to help determine any potential effects from the baffle blocks. There was a discussion between Bill Hevlin and Miro Z. on the differences on elevations of the release pipes. One bay will release 21Kcfs, but they need a tailwater of 80' or greater). (**Status: Complete**)

6. Task Group Updates:

No discussion took place regarding task groups that already exist. However, (**ACTION**) there was a proposal to create a new task group entitled "The Dalles Sluiceway Task Group". The request by Scott Bettin of BPA is to close The Dalles sluiceway 6-inch orifices for the entire fish season. He specifically directed the question at NOAA (Fredricks). The new Task Group will look at the potential impacts to this proposal. Gary Fredricks stated that he needs an Hydraulic evaluation on the effects of closing the 6" orifices on the sluiceway capacity at TDA. What is the orifice flow total? This is an O&M issue, and Hydraulic Design (Schlenker/Lee) will investigate if approved. The investigation will be to determine if the COE should make the orifices bigger than 6", or to shut them off. (**Status: Ongoing**)

Gary Fredricks (**ACTION**) will also talk to Ed Meyer and report at next FPOM in May. (**Status: Incomplete**)

7. 1% Best Efficiency Report Comments: For load changes under 6 minutes, it bounces out of 1%, and at greater than 20 minutes, the readings stand alone as OUT OF 1%. Between 6 and 20 minutes, it can stand alone as OUT depending on how many times it goes out in a 24 hour period.

(**ACTION**): Gary F. will write formal comments to Dave Hurson and will then distribute to BPA FORMALLY. (**Status: Aborted, I think the issue is in limbo or dead as BPA withdrew their proposal**)

Gary F. commented that "he alone" is not "O&M", so he should not be the only one providing comments. Scott Bettin wants to switch from March 15 to April 1 for 1% (Load Shaping Guidelines). (**ACTION**): This will be dealt with by Scott (BPA) et.al. for the 2004 FPP revision process. Dave H. said maybe we can resolve this during the coming summer. (**Status: Ongoing – address in future FPOMs – July**)

8. O&M Budget Priorities:

Dave asked if anyone has looked at these, and stated (**ACTION**) – need responses by April 21, 2003. (As of this date, April 23, NWP has received NO further priority rating comments from any FPOM member since this meeting occurred). (**ACTION**): **PLEASE SEND YOUR SPREADSHEETS WITH RATINGS!!** (**Status as of May 8: Ongoing – comments received from NOAA, FPC and CRITFC**)

9. Dalles/John Day Security Lighting: Gary F. said he doesn't think there is a BiOp issue coverage here. (**ACTION**): (Scott Bettin requested) Put this item on the May FPOM agenda. (**Status: Completed**)

11. Auxiliary Water Supply Sensor Systems:

Dave distributed a handout. Gary F. wants it to get to Ed Meyer of NOAA. Gary F. has read it already. (**ACTION**): comments to NWW by April 21, 2003, (**Status: Completed**) and (**ACTION**) will appear on the May FPOM agenda to discuss any potential issues (**Status: Completed**).

12. Ice Harbor New Spill Pattern: Bill H. was expecting us to use this pattern ASAP. Rudd T. said "Okay, if FPOM agrees here today". It was then decided the pattern will be looked at for 2 weeks, and if no "black holes" develop, they will continue to operate under the spill pattern. Mark Smith of NWW research team is the POC for the study. (**ACTION**): Rudd will send a teletype to the project to implement the pattern. He needs a copy of the schedule. (**Status: Completed**)

13. Updates for FPP: (handout item on the back of the NWW handout):

Criteria on unscheduled maintenance: coordinate for preferred days, times etc. (**ACTION**): Dave H. will draft a list on what we want to do when. Double testing was mentioned. Will also clean up the FPP revisions that were missed. (**Status: Ongoing – add to list of '04 revisions**)  
(**ACTION**): We will discuss the FPP at every FPOM meeting in 2003. (**Status: Ongoing**)

15 Other:

Dalles T1 Transformer has an oil leak, but is not an emergency. The project wants to take the T1 line out at the end of Aug. about Sept. 1<sup>st</sup> and asked if that is acceptable?

Gary F. then stated (**ACTION**): (Tentatively) begin the T1 outage on September 15 (for 6 weeks) (until we get more information). (**Status: unresolved**)

Gary Fredricks wanted to continue to discuss the issue (Dam angling). Gary F. wants to get John Skidmore to discuss the dam angling program (or at least an update from him). (**ACTION**): Suggest Bob C. contact him and arrange for him to either attend the meeting or provide an update. (**Status: Ongoing. GF wants to work with the original group who set this up. May be happening outside this arena.**)

**ACTION** Item Status Document (from **May** 2003 FPOM meeting).

3. Construction Updates: NWW (handout): Dave H. explained WES trip. McNary spill patterns were investigated on a special trip there. **ACTION**: Dave will check with NWW Structural Engineers tomorrow and email Gary F. before he goes to WES. (**Status:** )

**ACTION**: Scott Bettin wants backup spill gate issues put on the FPOM agenda for future FPOM meetings. (**Status:** )

**ACTION**: Gary J. asked Bonn. biologists to have project maintenance include (in their assessment) other issues that affect fish passage and safety (not just passage facilities themselves). (**Status:** )

5. Research Updates: NWW (handout): NWP (TD/JD): Miro explained (no handout until after meeting, when it was then emailed to me, and included in the distribution of handouts sent to FPOM members via snail mail, therefore **ACTION**: Miro to email handout to Cal S.: **Completed**) the U of O sturgeon broodstock collection efforts in TD cul-de-sac.

6. Task Group Updates: Larry Basham suggested taking time at the end of FPOM meetings for these meetings. Therefore, **ACTION**: schedule Task Group Meetings on the day of the FPOM meeting. (**Status:** )

7. 1% Best Efficiency Reports: Dave said we (COE) (**ACTION**): solicited written comments, and wants them (we did not receive any yet, and they were sent out 1.5 months ago). He asked if NMFS has comments. (**Status:** ) Gary F. said to expect the 1% issues to take time deciding on. **ACTION**: Include this topic on FPP issues for revision for 2004. (Tom L. said he sent priority lists in email - (**Status: Completed**).

8. Auxilliary Water Supply Sensor System Comments: Comments were solicited at last meeting to be submitted by April 21, 2003. Gary Fredricks said he has comments for Dave, and **ACTION**: he will get an electronic copy to FPOM.

9. McNary Spill Pattern Update: Dave said there was a new pattern developed, and **ACTION**: they will look at the pattern on the model at WES next week and proceed from there.

10. O&M Budget Priorities Review: Tom Lorz said (**ACTION**): he will send another comment file on the O&M budget prioritization. (**Status: Completed**)

14. John Day Dam Spill Adjustments for Navigation. **ACTION**: Gary F. is asking for records of the spill pattern changes, and requests that it be recorded and be reported in the weekly reports, and the project said this is already being done now. (**completed on weekly basis**). (**Status:** ) Gary F. also asked about one more thing: (**ACTION**): For the project **turbine operating priorities**, make a note of the unit operation, i.e. are they in or out of FPP criteria operation, and this should be reported in the weekly fishway inspection status reports (**completed on a weekly basis**). (**Status:** ) Rudd stated (on JD spill patterns), the project biologists (**ACTION**) need to check tailwater conditions, so they can use this information to help make decisions in FPP revisions on this topic. (**Status:** )

15. Bonneville Adult Fishway Flow Adjustments: **ACTION:** I will provide the list with the minutes. **(Status: Completed)**

16. BPA proposal to Change Turbine Unit 1% Operations. **ACTION:** All agencies are willing to discuss the BPA proposal.

Dave continued to discuss the BPA proposal (for '04, '05 ops) or research to address it. Need review to proceed on. **ACTION:** Gary F. will send out comments on this BPA proposal. He has given it a lot of thought. He feels there is a relationship between peak efficiency and peak survival but the summer study should address that. **ACTION:** Dave will supply comments to BPA or NMFS (need Turbine Survival Group). **(Status: ACTION Terminated. This proposal has been withdrawn.)**

**ACTION** Item Status Document (from **June** 2003 FPOM meeting)

6. Updates from Task Groups: Larry Beck suggested there is a need for the adult fish counting subgroup to meet...need more complete reporting of fish counts. Gary J. said managers in the Corps' Division office have asked why Jan/Feb/Dec counts are not in the Annual Fish Passage Report...there is a need to fully report spring chinook counts, for example. Steve R. said researchers have not expressed much interest in winter counts at the Walla Walla projects...they are mainly interested in April-October. Victor A. said counts at Bonneville are now 16 rather than 24 hours/day...this will complicate some year-to-year comparisons. Gary said the data need to be presented in a manner that is useful and meaningful.

**ACTION:** Rex B. will follow up and get some people together to look into the matter. **(Status: )**

7. The Dalles Collection Channel Dewatering: Bob C. said they will try to dewater this winter...the plan is to do the entire channel but may have to do in sections...not sure at this time what needs to be repaired (e.g. valves and gratings)...will evaluate this winter and do fixes the next winter. A bunch of grating is on hand for fixing the north entrance area...don't know how long installation will take...there is a request to take out the north end a week early, the last week of November...do we take out the north early, or do we take out the north end and south collection channel at the same time? The consensus was to take out both at the same time, in January. **ACTION:** Bob will come back with proposed outage dates, including time of overlap. **(Status: )**

8. Shad Fishery / OSU Shad Research: Proposed shad research by Barbara Shields and others of OSU was discussed...they need to sample adult and juvenile shad for food habits, parasites, etc...they are asking for access to the fish passage facilities for sampling...it was agreed that adult shad could be sampled at the Bonneville fish trap, The Dalles east ladder during the shad fishery only, and juvenile fish separators at John Day, McNary, Lower Monumental, Little Goose, and Lower Granite...OSU's choice...sampling from fish ladders will not be allowed (except Bonneville trap and The Dalles east)...**ACTION:** Rex will contact Dr. Shields to notify her of the decision, and ask her to send letters to the Portland and Walla Walla districts requesting permission to access the projects. **(Status: Completed)**

**ACTION** Item Status Document (from **July** 2003 FPOM meeting):

4. Fishway Status: Bonn. Bob C. reported that the John Day River riparian zone is being planted with trees by COE employees to exclude cattle from the riparian zone. Rock Creek (further upriver on the WA side) is on the list for similar work. **ACTION:** Gary Johnson asked Dave H. to send our Office of Council the records on this. Dave said they are sending a letter to the cattle company and Gary J. said he wants to be cc'd on it. **(Status: )**

6. Task Groups: Shad Fishery at TDA : **ACTION:** I am to see if I have a copy of the section 10 permit from the origins of the fishery. **(Status: not yet).**

**ACTION:** I was also tasked with sending out the 2003 Shad Fishery report (I did that yesterday, July 17) to FPOM members via email. **(Status: Complete)**

**ACTION:** I will also try to contact Robert Bailey for information. **(Status: not yet)**

**ACTION:** Gary Fredricks said we should table this discussion until the next FPOM meeting in August.  
**(Status: to be completed)**

(New Task Group): Dalles Sluiceway Operations Task Group: Chair is BPA's Scott Bettin. Scott requested a decision to be made on a proposal to shut the orifices in the gatewells at TDA, and open a chain-gate into the sluiceway to let in the same amount of water, as this may help pass fish from the forebay more efficiently. This is not a request for a benefit from the power standpoint. It is about whether more fish-laden water can be passed through the chaingates into the sluiceway. Is the method used now the most efficient method to pass juveniles? **ACTION:** Scott will send out an email on this topic with information on the request. **(Status: )**

7. Lamprey Protection During Dewaterings: TDA is going to build some device to keep lamprey from entering the diffuser gratings when the fishway is dewatered. They want to maintain flushing water, provide an extra recovery tank to keep up with the large number of rescued lamprey, and lastly, the project will NOT be entering the diffuser chambers to recover lamprey, so some other method must be derived. Gary J. said to re-convene the task group, so, **ACTION:** I will send out task group attendance info. I will also set up a conference call for the Lamprey Task Group to brainstorm ideas and discuss them. **(Status: complete)**. The group will need time to put together a bulleted list according to Dave H. Bob C. said the JD north diffuser area at the countstation has been a place where old, decayed lamprey morts have been seen. In response, Bob proposed configuring a grating with smaller openings to prevent lamprey from entering the diffuser chamber.

10. JDA Gatewell Orifice Closure During WMP: Topic for next FPP revision process. Scott B. (BPA) is requesting closure of the orifices to save revenue by saving water. He estimated the \$\$ amount to be around \$1Mil in savings. The FPOM FPP revision process will address this proposal. At first, it was decided to keep 1/3 of the units' gatewell orifices open, and cycle them Mon/Wed/Fri. Rex then proposed an alternative: Close all the orifices on Dec. 16<sup>th</sup>. Dip gatewells to see if we have steelhead. (This idea did not seem totally accepted by the FPOM group). **ACTION:** The consensus was to table this topic until next FPOM meeting at which time we'll proceed with the discussion. **(Status: to be completed)**

11. Updates for the FPP: Dave H. said that **ACTION:** Before the next FPOM meeting, we (Dave and I) will get a bulletized list together for distribution. **(Status: incomplete)**. By November, we hope to have revisions in draft form. Scott requested we send out teletypes of FPP revisions to FPOM after they are finalized, so everyone knows what's being done, when its being done.

13. Other: Rex B. handed out a letter from WDFW. The sampling personnel want to operate LG trap at 70 – 72F. **ACTION:** Rex will email and ask for comments for discussion next week. Therefore, read the letter and provide feedback. **(Status: Ongoing)**

**ACTION STATUS** document from the August '03 FPOM meeting:

TD/JD: (handout) No new construction. One item mentioned (TD diffuser grating inspection dive): The diver found a large gap in one grating, presumably a result of the collection channel dewatering construction work previously. There was a 1.5' long gap in the grating that would allow adult fish to get into the area under the gratings, but this diffuser was not operating so no flow was coming from this diffuser. The POC for the collection channel dewatering contract is Naameh Nomie, **and I was tasked ACTION to find out if there is a follow-on for this contract to see who may be liable for costs incurred by the damage done to the grating. (Status: Nameeh Nomie was not aware of any follow-on contract, and questioned how the project knew if the contractor did indeed do the grating damage. I said I'd find out more).** The project will probably fund the repair. Gary J. said we probably won't need to use the diffuser if the gate is closed since orifice gates along the PCC are closed. **Status: Resolved, the grating will not undergo a follow-on contract, and will be repaired by the project.**

4. Fishway Status: At Lower Granite, they imposed a unit operation restriction (to low end of 1%) because they were seeing morts, and this resulted in a decrease in mortality incidence. **ACTION: Rex said he'd correlate water temperature data with morts for the next FPOM meeting.** The day after they saw high mortality rates, the project biologists requested a unit restriction. There are only two units operating, but they'll have two more up and running so the problem will go away. **Status: Rex explained the item on 1% low end turbine range. They could not find a correlation in temperature with the spike in mortalities, and could not find any reason for the high mort rates. Larry Basham said there could have been a NMFS test fish release. Rex said the dead fish did not look injured or sick, but no pathology tests were done. Both Larry B. and Rick M. said this can happen every year at Lower Granite and Bonn. Rex said the 15.7% mortality was the highest seen at LG. Rudd T. said that gatewell velocities get high at the high end of 1%. No other action at this time.**

At McNary, the north powerhouse loading (shifted from the south side due to high temperatures in the forebay on the south side) will help reduce juvenile mortalities while being loaded. **ACTION: Gary Fredricks proposes we keep the north and middle units operating instead of the south ones due to high temps. on the south side (and revise the FPP accordingly). ACTION: Gary F. requests model work at WES for McNary loading to look at different powerhouse unit operating priorities to reduce the eddy in the tailrace (if unit priorities are to be shifted north), and wants the work done this year for next year's ('04) application. Status: Gary F. traveled to WES and studied this. The ultimate goal is for FPP language to be provided for revision of the '04 FPP to reflect the new powerhouse priority operation at McNary. This ACTION is complete as of the Final 2004 FPP release.**

Bonn.: (handout): Tammy presented handout. **ACTION: Gary F. requested that the following information be put in the Weekly Fishway Status Reports: 1) The amount of time PH1 operates (plus what time PH1 turned "on" and time "off")(Tammy said its already in the report); 2) the amount of time the Ice /Trash Sluiceway operates (plus time "on" and time "off"). Tammy said she will include this information. Status: This requirement is being satisfied by Bonn. Fisheries.**

WDFW has requested **ACTION: they be allowed to trap and sample chum salmon at the Adult Fish Facility (AFF), so the AFF will remain in operation until after Thanksgiving '03.** Chum will be radio-tagged. Gary F. said to make sure WDFW is covered under coordination (Section 10 permit). Joe Hymer sent out a request to sample in the AFF. There could be an impact to listed wild winter steelhead. **Status: WDFW will be allowed to sample chum at Bonn. AFF into December by FPOM agreement.**

Bob C. also mentioned two avian lines missing from the spillway tailrace at TDA, and that juvenile gulls are going through the gap and they do not "pyro" at all, but just ignore the pyrotechnics, so they have enlisted the Wildlife Services to lethally take gulls in the area up to the limit of six per day if necessary. Now the question is, do we continue to lethally take the birds. **ACTION: The plan is to continue to haze and lethally take gulls until the end of August when spill is discontinued. Bob said he will have the two lines replaced during the winter work period.** Gary F. asked how we can get the two lines replaced during the fish season. The answer was that we probably cannot get WS to do this work until winter. **Status: Ongoing effort. As of March 2004 the lines are replaced.**

Research Updates: Bonn: (handout): The water temperature in the AFF is 72F, so only one (1) day of sampling can occur in the AFF. Lamprey are not being tagged since they seem to have more difficulty during warm water events. As it is now, we allow sampling up to 72F, and the water temp. may actually be 71.9F. Gary F. said for **(ACTION): next year, round the figure up to 72F if it is greater than 71.49F. If the temperature reading is less than or equal to 71.49F, round the figure down to 71F.** This will provide a half-degree of temperature "safety net" to ensure no sampling over 72F is performed. **ACTION: Gary F. said he wants this issue back on the table for FPP revision (temperatures at which to halt fish sampling).** Dave H. then said we need a statement in the FPP that says: If there is no sampling, lift the picket leads (so the entire fishway does not have its fish diverted through the AFF). **We are still waiting from input from TAC (has to do with 70F-72F sampling). Status: The final decision was to let them trap at temps. <72F, and the AFF protocols will be revised for the FPP (complete for '04 FPP).**

Task Group Updates: (Lamprey Exclusion During Dewaterings): Lamprey Task Group held a conference call after the last FPOM meeting to discuss lamprey protection during fishway unwaterings (at JDA). The project biologists will get a device to block the orifices from lamprey passing through when the flow drops, and keep them out of the diffuser pools. They also stated that they can keep the diffuser chamber water circulating to provide fresh water sanctuary for any lamprey already in the diffuser chambers (this could not be done last year). Gary F. said that NMFS can help with unwatering this year, and **ACTION: he will follow up on this (NMFS assistance w/ unwaterings). Status: When the system was unwatered in late '03, very few adult lamprey were seen. This may be due to the newly completed upper ladder configuration.**

. Gary F. said to: **ACTION: figure the grating area dimension, then the open area (that water can pass through), and then do an hydraulic evaluation.** This application (smaller screen along edges) could make the velocity higher in the middle of the grating than along the edges. Gary F. says (**ACTION: "Try it now.", i.e., put material tack-welded on the gratings along the edges.** Someone mentioned that we may not be able to get 1.3' over the weir for shad with that application. (no one seemed to be overly concerned since shad are not indigenous). Gary J. said we could get Mark Wade from Willamette valley to help with this effort. Then there was a long discussion on this issue. **ACTION: FPOM group proposes placing chicken wire (1/2" openings) along the edge of the diffuser gratings SOON** to see if this can help keep them out of the chamber. Trashrack opening dimensions at the diffuser water intake were also discussed. **Status of efforts to place wire: Project indicated the test is proposed to be done prior to September, '04 for potential implementation before unwatering fishways during WMP'04/'05.**

Count Program Task Group: Robert said the PUDs, when queried, didn't care about the COE not having their counts on our website. He then asked if the group objected, and Tom Lorz said that someone (not sure who) would rather the PUD counts were left on COE website (Scott Boyd also voiced the same concern) for convenience sake, but the **ACTION: FPOM group consensus was to remove the PUD counts and provide a link instead**, thus saving time and money, an important COE concern as of late. **Robert said that for '03, the link will be established and the COE will continue to post PUD counts on its web page until the end of '03. For '04, only the link will be provided.** Concerning the Annual Fish Passage Report (AFPR), Robert brought up the issue of 8 hour counts vs. 16 hour counts, in that a comparison can be tough to make. **ACTION: FPOM concensus was to put a footnote on the AFPR that distinguishes 8 hr vs. 16 hr counts.** This way we don't have to create a lot of new pages in the AFPR. **1) We can put a table of schedules in the AFPR and 2) We can make the database accessible to the public. Status: Ongoing effort by FFU to create new reporting methods and report new info in the AFPR. As of March 2004, the '03 AFPR is about one month from completion. Delay is partially due to contracted employee absence (illness).**

Shad Fishery: **ACTION: I agreed to obtain copy of shad fishing permit from NMFS to determine if changes in fishing criteria are necessary. I still need to contact Bailey at NMFS. Status: Ongoing.**

Shad Counting Options: **I brought up a proposal to discontinue counting shad at all but two dams (Bonn. or TDA, and ICH) to save time and money** and lighten the load of fish counters at most dams which in turn may help to more easily maintain the required accuracy of salmonid identification accuracy of 95% required of the counters by the Count Program Cooperative Agreement. This would free up the salmonid counter to focus only on their target species and salmonid counting accuracy would not be compromised (as required to maintain 95% accuracy). **ACTION: Wayne vanderNaald said he will contact Columbia River Management to find out concerns with our proposal to count shad at two dams only. I then asked the group to make contacts with those who have potential concerns and get back to me via email or phone, asap. (Status: Completed. Wayne contacted folks and sent me feedback). We (FPOM) are requesting a formal request from Columbia River Management. Col. R. wants counting at Bon., TDA, and ICH, but Larry b. said no shad go over Priest rapids (also requested for counting by Col. R). Status of shad counting: Has been agreed to by FPOM that shad counting may only need to occur at Bonn., TDA, and ICH, therefore WDFW count supervisor is preparing the counters to perform this action (or lack thereof).**

Adult holding in the SMF (JDA): **ACTION: Dave C. will talk to U of I, and Tom L. will submit proposal on unwatering /fish rescue requirements. Status: Discussion continues. During the FPP**

**revision process for '04 FPP, the new language that reflects the FPOM-accepted operation was placed in the new document.**

DRAFT Fish Counting Station Report: Rex Baxter then distributed a DRAFT Fish Counting Station report and discussed it some. (RPA 117 states: COE shall evaluate count stations regarding passage delay).

**ACTION: If you have comments on the DRAFT report, send them to Rex in the next two weeks.**

**Status:** Few if any comments received, but details not known by me. Contact Rex B.

9. AWS Grating Sensor Systems: **ACTION: Defer topic to next month's FPOM meeting. Status:** Engineers found systems to be of little value and difficult to maintain. This will be addressed in the RPA reports back to NOAA Fisheries for Check-in requirements. Wayne vanderNaald wants Larry Basham to talk to Doug Case

Project Hourly Data on Internet: Dave asked what is required of the BiOp on this topic. Scott Boyd said we don't have an answer right now, just an issue. **ACTION(s): Gary F. said to have Cindy Henricksen call Jim Ruff for reporting of spillway/powerhouse operational data and temperature data. Tom L. said he wants temperature monitoring to occur at Lower Granite and Bonn. Dave said he will try to get fish ladder temperatures on the project fishway status reports. Rex B. said this is performed at Little Goose Dam. He said that Lower Granite (fishway?) temperatures mimic the forebay. Status: Cindy H. called Jim Ruff, but no conclusion was drawn. They need a basis for the requirement. A monthly report is being provided for this year. The project is complying with the request for temperature data. NOAA may get access to the database, but there are marketing issues for bPA when reporting spill/generation data real-time. Therefore, this issue is Ongoing. In a related issue, all FPOM agreed (concerning Kelvin scale temp. reporting at Bonn.) to have temps. reported in F at Bonn., and Bonn. agreed to do so.**

11. Updates for the Fish Passage Plan (FPP): **ACTION: Defer topic to next month's FPOM meeting. I did, however, make a point to the group to gather ideas, information, and proposals for revisions to the FPP ASAP and bring them to the Sept. meeting, and not wait until next month to begin to address this, since we are trying expedite the process each year we tackle this convoluted exercise. Dave and I will get a list together of what we come up with, and send it out.**

At McNary dam, Larry Basham **ACTION: requests monitoring to continue every other day. Status: decision to be made.**

For John Day South, **ACTION: Tom L. needs to see reports on south end turbine operations' impact to passage.**

At LG, **ACTION: Rex to contact Jerry Harmon for written history on trap operation. Status: Ongoing.**

For Bonn. P2CC, flushing flows need to be determined through FFDRWG/FPOM arena. **Status: Initiating this activity.**

FPP files will **ACTION: be sent at your request. Status: Ongoing.**

13. Other: Gary F. said, **ACTION: from now on during FPOM meetings, to address the ACTION STATUS list at the beginning of each meeting. Status: Ongoing – this is being done.**

**ACTION STATUS** document from the September '03 FPOM meeting:

5. Fishway Status: At JDA, JDA Line 1: The project is proposing a late September/early October timeframe to repair the transformer due to weather concerns (must be dry outside). The concern is that, 1) an eddy will be formed in the tailrace below the first four or five units when they go out of service, and 2) there will not be enough water flowing past the JBS outfall to flush out juveniles from the tailrace. The question asked by JDA project was whether to do the work in July/Aug., or Sept./Oct. **ACTION: This request needs to go through the proper written coordination effort (Cordie to send request, then I will send to the 3 primary coordination POCs - Basham, Lorz, and Fredricks).** Bob C. said this was a reminder that initial coordination started back in April 2003. **Status: Ongoing.**

6. Research Updates: NWW: Rex B. presented the topic of the requirements from WDFW to operate the AFF between 70 – 72F (this appears on the second part of the handout). FPOM approved the proposal, but there are concerns by some. **ACTION: The final decision was to let them sample the AFF at temps. less than 72F degrees.** It was stated that Jerry Harmon (trap sampler at Lower Granite) stopped operation of the trap on August 1 and they restarted the facility Sept. 8, therefore they probably did not sample between temps. 70F – 72F degrees. It is suspected that the coordination effort accomplished nothing more than education. Then there was more discussion on trapping protocols. There was a question on trapping in the 2 degree range. The protocols say, If someone wants to sample from 70 – 72F, they will have to get approval through FPOM. This should be resolved in the next few months. NOAA called Rex B. and said they want this particular scenario approved. **ACTION: Trapping protocols will be revised. Status: Ongoing.**

7. Task Group Updates: The group also discussed orifice closures at The Dalles and John Day (proposal by Scott Bettin of BPA to revise FPP-mandated operations with new provisions and language in the FPP). **ACTION: continue this discussion next month at FPOM. Status: Ongoing.**

8. JDA-Adult Holding in SMF: (District researcher) **Dave C. (ACTION) will talk to Univ. of Idaho researchers to get more information on the Radio-tracking results pertinent to the SMF PDS area for fish holding in the area. Status: The discussion will continue next meeting.** Dave C. said that initial investigation into RT data showed little evidence of prolonged residence. Tom Lorz asked if we can get a feasibility study done (no definite answer yet). **ACTION: Tom L. will submit a proposal to study this area for residency.** There was a long discussion on how to determine what/how long are the fish holding in the PDS area. Bob C. said that at some point we need a decision.. Gary J. feels that we are putting undue stress on adults if we unwater the facility to remove them. Dave C. said there is no indication of a major problem.

9. Updates for FPP: Dave H. made a list of items for consideration for revision of the FPP. (this appears at the bottom of the agenda) **ACTION: All items below are to be revised for the '04 FPP through the FPOM revision process.**

- a. Turbine 1% operational guidelines are being revised. There was a pilot study at McNary Dam to determine the sample size for next year's study. This may result in better turbine survival. Tom L. said it may be allowable to go outside 1% for test purposes, but this is still being discussed. If the study goes forward, different families of units at Lower Monumental will be tested. Rudd T. also updated the group on the topic.
- b. Larry B. on McNary for spring juvenile monitoring: Larry said they (Fish Passage Center) can get back to the COE on additional information. They are looking at data every other day. Someone mentioned a full-flow PIT detector to be placed in the JBS. Larry B. said he wants their agency to continue monitoring every other day. Rex B. asked if alternate-day monitoring got into last year's FPP? If not, FPP needs revision. **Status:** Dave H. said this needs a discussion with the SMF folks, and that he will work on this issue over the winter. He said that he felt the FPC may need to be more flexible on sampling. **ACTION:** Bill Hevlin requested scheduling a meeting to discuss protocols. **Status:** Ongoing.
- c. The Dalles: Rudd T. mentioned that main unit operating priorities were put into teletypes and is already implemented, but the language in the FPP needs to be revised, and will be revised for '04. John Day: **Rudd T. said BPA is being charged by COE for damage sustained during synchronous condensing. ACTION: Cal S. will talk to Robert vanderBorg about this and report next month. Status: (4/12/04): I called Mr. vanderBorg who referred me to Maurice Secrest who has more information. I am awaiting an email response from him on status of this inquiry. ACTION: Tom L. needs to see the reports on south-end turbine operations' impacts to fish passage (from U of Idaho radio-tracking studies), to be obtained from Dave C. Status: Ongoing.**
- d. Lower Granite Adult Fish Trap: NWW will coordinate changes with respect to having to run all fish through the trap facility. **ACTION: Rex B. will contact Jerry Harmon for written history on the trap operations, which will give us a better feel for future operations. Status: Ongoing.** One issue raised was: Can the PIT-tag system be used to determine what fish go through the trap?



- e. Unscheduled maintenance is a coordination issue to be outlined in the FPP (revised) for '04 and will be resolved within the FPOM FPP revision process.
- f. Coordination of transport activities needs to be revised. Rex B. stated that they need to get the fish truck off-site by 0900 hours (from Granite). Counting the fish incidentally delays the truck's departure. This subject to be revised for the '04 FPP through the FPOM revision process.

Bonn.: Tammy M. included her proposed FPP revisions on the bottom of the handout, item 6. Randy Lee (HD) inquired about how operation of the Bonn. P2 Corner Collector, once online, will impact the forebay or tailrace conditions. He said we need to develop guidelines for: 1) flushing flows, and 2) flow over the end sill. Tom L. said we need guidelines for seasonal operation duration of the corner collector. This will all be addressed during the FPP revision process.

Rudd t. said that TMT expressed an interest in this topic, but he suggested that **ACTION FPOM/FFDRWG should get together to work this issue rather than the Regional Forum (TMT). Blaine Ebberts (PM-E) sent an email out on this issue. Blaine is addressing the issue from a juvenile impact aspect, and Dave C. is addressing it from an adult impact aspect. This issue should be moved on at the technical level. Status: As of 04/12/04, P2CC will operate ONLY during the periods that the project is spilling for juvenile egress (personal comm. w/ Mike Langeslay). FPP revisions will need to be sent as addendum.**

In conclusion of this item (FPP revisions), Rex B. said **ACTION its time to get serious about FPP revision for '04, to look at the Plan as a whole and get comments to Rex B. and Cal S. starting NOW. Tom L. said (ACTION) he will address the revisions after the SRWG meeting, and will submit middle-end of October. Rex said (ACTION) we will provide electronic files that Rudd T. has provided the Districts. (ACTION): send request for FPP files and Rex and Cal will send them to you via email, so you can edit in legislative style. Status: Ongoing.**

11. Other: Winter maintenance schedules were provided for Portland District projects. **Rex B. will (ACTION) will put together the winter maintenance schedule to distribute at the next FPOM meeting in October. Status: Ongoing.**

**ACTION STATUS** document from the October '03 FPOM meeting:

Construction Updates: At JD, the south fish turbine contract is ready to go. Congress just needs to pass the budget, then it will be done. It's a \$\$ issue. One fish unit will get rehabbed. Bob C. says its very labor-intensive to operate the other 2 turbines when 1 is out of service. Bottom line, if 3 fish turbines are out of service for 3 months, JD south will be out of service for 3 months. Then the project would minimize the JD North fishway outage duration. **ACTION: Update group of progress at next meeting.** Bob C. to send short write-up. The project will dewater the system and place tail logs in the one unit. Project can probably isolate this one for rehab., and they won't have to unwater the rest. Project has to bolt the tail log into place. **Status: Ongoing.**

Fishway status: The JD habitat/riparian protection repairs are ongoing (includes fencing to exclude grazing in the riparian zone at the mouth of the John Day River. **Gary J. said (ACTION) that the fencing work at John Day dam should be reported in the RPA reports for '04. Bob C. will give this information to me next season when RPA reporting checkin's are due, and I will then forward to Dave H. for database entry if he still plans to work on entering this data for NWP in '04. Status: Ongoing.**

Tagging Sturgeon at TDA: This is a pilot study and the goal is to tag and release 50 sturgeon simultaneously for near-dam behavioral studies. There will be some mobile tracking if the fish appear to move away from the dam. This project required official coordination (most likely from the AFEP arena). Confined space training will be necessary if they are tagging inside the draft tube. **ACTION: Update at the November meeting. Status: Ongoing.**

Picket Lead Criteria for Bonn. AFF: The question: "How many leads need to be down?" Gary Fredricks originally requested this topic to be resolved since he feels the trap ladder itself had too many fish in it during the '03 sampling season. He questioned whether we need number criteria for setting picket leads during high passage events coinciding with AFF sampling. **ACTION: Table this discussion until the next FPOM meeting in November when Gary is in attendance. (Status: Ongoing.)** Steve Lee (U of I)

said they would need to assess UMT counts also. Bill Hevlin said the samplers did open the leads during the high numbers, but **ACTION: this needs FPP language revision following FPOM discussion/decision.** (Status: Ongoing.) Dave Clugston said that U of I did not see any density-related passage problems. Bill Hevlin said he wants to see Fall Chinook data from around the Sept. 11 timeframe (when passage peaked). **ACTION: Dave C. will send the data to Bill H. (but it may take awhile to process – maybe next summer). This will be further discussed during the FPP revisions discussions.** Status: Ongoing. Tammy M. will write up revision for FPP for FPOM review.

Shad Counting: Do we scale back on shad counting (my original proposal)? When asked if anyone objected to counting shad at ONLY these projects (Bon/TDA/ICH), no one from FPOM objected and all agreed. **ACTION: Revise counting schedule to include this schedule for 2004 implementation, and include this change in the FPP counting schedule.** (Status: As of 04/14/04, complete for '04 fish count season, FPP revision made.) WDFW will begin taking steps to incorporate this change into the 2004 count schedule. In a related topic, someone asked if we should count Adipose clipped Chinook in 2004 as requested by TAC. Gary J. asked if we can count clipped fish only during summer at John Day dam. **ACTION: Victor A. will check on Ad clip counting status.** Status: Ongoing. Victor is obtaining information to present at future FPOM meetings on the ad clip counting status for fall Chinook. At November '03 FPOM, Victor reported that he talked to Cindy LeFluer, WDFW, who said she will send Victor a document with instructions

Fish Count Improvements: Robert Stansell presented the count program reporting progress information. FFU has acquired two newly designed keyboards for the countstation application, and two prototype programs associated with them. One program works with the new keyboard, and one works as a spreadsheet, but utilizes the original entry method. Robert explained the program and the new keyboard operation. **ACTION: Robert wants FPOM Count Program Improvement Task Group input on when to implement the new program where.** Status: Ongoing. Robert asked FPOM who has reservations on total implementation – full year's test? Can we go full ahead? **ACTION: FPOM needs to think about the extent of implementation for '04 and make a decision soon.** Status: Ongoing. At Nov. '03 FPOM, Robert reported that the computer/keyboard was tested using dummy data, and it worked. NWW IM office wants to collaborate with NWP IM office on implementation potential. Robert will discuss this with NWW IM at the next AFEP meeting. Victor said, for training purposes, they will do a dry run with WDFW (2 weeks early).

Winter dewatering schedule: Dave H. requested Winter Maintenance Schedules from both projects. **Dave will (ACTION) send out these schedules to non-attendees (to today's meeting) and will revise if necessary. Dave will request comments to be returned to him 1 week before the November FPOM.** Status: Ongoing.

Updates for FPP: Dave H. said that the items at the bottom of the agenda (listed) need to be addressed. **ACTION: Dave H. will put together comments on these items.** (Status: Complete.) Scott Bettin said he wants more feedback (on TDA sluiceway winter operation), and wants the start date for the ITS to correspond with the fish season start. A teletype was sent by RCC so its (ITS) going to be closed this year only (as it now stands). **ACTION: Dave H. will send out an email and flush out the items listed.** (Status: Complete.) For the FPP, **ACTION: Draft language in the FPP files submitted to Division by Districts in legislative format prior to Dec. 1<sup>st</sup>, 2003. Bring revisions to November meeting or send them sooner (to Cal and Rex).** Status: Ongoing.

Other: (2 items from Scott Bettin): Therefore in summary, Scott B. requests: 1) "Any problems with TDA ITS nighttime shut-off?" Gary Johnson stated that for coordination proposes, **ACTION: I (Cal) will email out this request, and ask for a one-week turnaround for a decision. We need an answer in a week. (Scott needs to send me a written proposal with details).** (Status: Complete.) Scott's second proposal 2), Can we shut down the juvenile orifices facility (JBS) at the powerhouse during winter? (JD runs in bypass all winter). Last year, orifices were tested, and there were concerns for adult steelhead. We need more information from Dave C. (U of I) on passage data. **ACTION: Dave C. will get us the RT info. Ultimately, the question is: After Dec. 15, do we shut down the whole juvenile system? (Come to Nov. meeting prepared to discuss).** Status: Ongoing. Decision forthcoming after data investigated. At

Nov. '03 FPOM, it was stated that many steelhead occur in the bypass system (pass through orifices). Gary F. feels that screens should be in all winter for adult fallback protection at JDA. **Status:** Project will shut off the system for 1 week to inspect it, then will operate all winter in "bypass" mode. STSs will be left in all winter, but this will increase maintenance frequency. Gary Johnson wants to discuss McNary again in comparison with JDA. He said to look at adult fallback at both dams and determine from the information how to operate the system.

**ACTION** Status Document from the November '03 FPOM meeting:

Dennis Schwartz presented information from a Bonneville Operations meeting he attended, on the topic of STS removal at PH1. The COE has proposed to remove screens at this powerhouse due to juvenile survival concerns. Data shows high survival through Minimum Gap Runner (MGR) units and old units. The data shows high mortality through the Juvenile Bypass System (JBS). **ACTION: Decisions made at this meeting: 1) Screens will be removed and remain out of main units for the juvenile passage season, April – mid Sept.; 2) During winter, (Questions asked) should the screens be re-placed into the units, or remain out? Should we put them back in for fall/winter fallback reduction? (Status: Decision forthcoming – NOAA/Regional input needed.)** At Dec. '03 FPOM, the decision was "YES", put them back in. **ACTION (AFEP will do investigation – refer decision to post-evaluation period).** (Status: Ongoing.) Otherwise, turbine operation at PH1 is as follows (for priority consideration): 1) MGR units have priority, 2) MU2 on the south end is next in priority, 3) MU7 near wing wall is next in priority.

Fishway Status: Gary F. said that Larry Swenson, NOAA fishway inspector, saw bryozoans plugging raceway screens going into the barges during August. Brad Eby, McNary biologist, never mentioned this (in reports). **ACTION: Rex B. will discuss with Brad E. so Gary F. can get an answer back to Larry S. (Status: Rex discussed with Brad (the invaders were fresh water sponges that fragment, not bryozoans. Concern was that they would fragment and contaminate fish' gills in raceways. This is now resolved.)** Bonn: Project turned the DSM1 south, and they asked if they could leave it running south. Status: Project dewatered due to placing screens in front of orifices, and it was reported via email. **ACTION: Need FPOM decision. Gene L. and Darrell H. want to run unit 8 either partial or not screened since the screen can't be pulled out all the way (damaged b slot screen). Status: Unit 8 taken out of service for 1.5 days to repair screen. ACTION: Proposal is to operate without either 1 screen or without all 3 screens – need FPOM decision today. Gary F. said follow the FPP! Status: Complete.**

**ACTION: (for FPP revision): Bob Cordie said the project is proposing to use an ROV inspection instead of raking trash on a regular basis (MU intakes). Gary F. said OK (to inspect vs. raking), therefore, the ACTION (decision) is resolved except for the FPP revision itself.** Gary J. said the only info. we have is when we unwater. Bob C. will check on other information (U of Idaho RT data). Last year, 6 or 7 fish were seen during unwatering. **Status: For decision, complete; for revision, ongoing.** As of March '04, revision complete for '04 FPP.

Gary F. is also concerned on an issue at JD south fishway. The new actuators leak (there is a contractor follow-on to fix this possibly).

**ACTION: JDA ITS operation needs to be revised for the FPP. Status: Ongoing.** Decision to be made in upcoming FPOM meetings after data acquired to justify an operation. **Subsequently, it was decided to open 1/3 of the orifices.**

Final Comments Fish Counting Station Eval. Report (NWW): **ACTION: comments due in two weeks, (comments on report by Dec. 1.), otherwise they will prepare the report based on comments they have. Status: Ongoing.** Report to be revised by NWW following receipt of comments. As of March '04, Complete.

Updates for FPP: **ACTION: We need your comments now.**

Other: Larry Beck wants to announce the time requirements for count reporting. For Bonn. and Lower Granite, it's a 3 day turnaround requirement for reporting. **ACTION: Bill Hevlin said he wants Lower Monumental counts daily due to a Powerhouse outage that starts Nov. 15. He wants these counts daily to determine if there is a passage problem. Dave H. will have Rex B. attempt to get data to**

**Chris Ross and Bill Hevlin daily via email. Status:** Ongoing. Data being received by NOAA. As of March '04, Complete.

Action status document from the December '03 FPOM meeting.

Fishway Status: **ACTION:** I (Cal S.) will talk to Norm Tolonen, PM for TDA fishway options, about the option for taking a fishway at TDA out of service (need more detail from Project). **As of April '04, Status: Unknown. I will query project for info. and report in May, '04.**

**JDA North Coordination Issue: For boat ramp work being performed by the Corps on their property at JDA, the project needs the pool set at no greater than 155', but this will only give a 6' depth at the JDA fishway entrances. This is being proposed for the first week of January. ACTION: This needs FPOM decision. STATUS:** Region agreed that this work is acceptable, but it **still needs to be coordinated through Water Management** (there are two boat ramps being worked on). **As of 'Jan. '04, this is complete.**

Bonn.: (handout): Tim D. said to read the handout for issues. DSM2 is being dewatered during December. Scott Bettin asked if we can close the WA shore fishway if no fish units are running (they aren't), as long as at least one other fishway is in operation in full criteria. Gary Johnson said that PH1 is priority until the Fish Units are back in service. Gary Fredricks thinks we should operate the fishway even if we are not operating in full criteria without the fish units. **ACTION: FPOM consensus – It was decided to: Operate the Washington Shore Fishway with no fish units operating, and open the NE entrance only (I assume the NUE – north upstream entrance). It was also decided to place the cross-channel bulkhead to close of the collection channel. Status: Complete.**

Task Group Updates: Larry Basham discussed the headburn program efforts ongoing in '03. Research personnel are losing interest in headburn occurrence. Dave Hurson **ACTION wants more investigation on what the fish are possibly coming into contact with that could initiate headburn. Status:** Duane Neitzel of Batelle is putting out a report on headburn injuries.

TDA Operations Task Group: Scott Bettin **ACTION: proposes shutting off the gatewell orifices during the fish passage season. STATUS: Gary F. (NOAA) said “Close them (66 orifices in all), therefore, the project will close them indefinitely. Status: complete.** The ACTION of closing them is Ongoing. It will take “awhile” according to project sources.

Reporting on Non-Routine Fish Counting Information: Gary F. said that Chris Ross, NOAA, was concerned about counts not being reported in a timely fashion when there is a zero-flow issue at Snake River projects. He asked why we don't perform daily counts that would help determine passage of fish during no-flow operations. Gary F. said that in order to assess impacts, they need fish counts daily. NOAA is still asking for winter count data to be put on the COE website. **ACTION: Gary F. said that whatever count data is out there, they want to query it whenever it is available. The Regional request is to leave all count data on the website for all years and leave it there. Dave H. said that the bottom line is, “We will get caught up.” Status:** Ongoing. At Jan. '04 FPOM, it was stated that FPAC will discuss this further.

Gary F. also discussed the BiOp RPA on count stations for delay impacts caused by this area of the fishway. This was originally a NWW action, but Gary J. feels we should do it for NWP also. **ACTION: NOAA requests that researchers fit the count stations with Radio-tracking antennae. Status: FPOM recommends they do install RT antennae at count stations. This became a low priority of funding that led to no action previously. Gary F. is asking for information to substantiate the claims made in the report. There are two (2) reasons for this: 1) countability of the count station (physical environment, structural elements); 2) Delay potential of the count station (ladder to ladder passage timing). ACTION: NOAA wants the delay portion more detailed. (Notes from Jan. '04): Rex B. will look at the RT data again. Bill Hevlin said to call Chris Peery and Dave Clugston, and that we probably have data. Gary f. stated he wants more than professional judgement to decide on this. The next step is to consult with U of I, and if obvious problems are seen, then wire the countstation with RT antennae.**

Bonneville Winter Spill for adult attraction: **ACTION: For now, we will stick with the decision made on the Dec. 8 conference call, and detailed in the RCC teletype to Bonneville Project: Operate only the**

**spillbay adjacent to an operating fishway entrance for attraction spill for adults during the winter months. There is no FFU data for benefits in support of keeping the spill bays open for attraction. ACTION: Larry Beck of FFU is to have Sally Jones (FFU) look through the FPP library for old criteria set at Bonn. Gary F. stated: 1) "Were any studies done?", and 2) Winter steelhead passage data, including timing of wild and hatchery peak passage, are needed. WDFW should have data from studies conducted at Bonn. AFF. There should be some hatchery vs. wild steelhead information. Larry Basham said that hatchery winter steelhead generally peak in Dec. – Jan., and that wild winter steelhead peak in passage during Feb. – March. ACTION: COE to put together data on winter steelhead counts. Scott Bettin asked for a closure of the spillbay attraction flow asap (now), but Gary F. said "No", and asked that we hold off on disrupting this spill regime until the FPOM Task Group or FPOM itself reviews data and makes a decision. ACTION: Larry Basham said to get information from WDFW (Rawding) and then have either a new conference call or discuss at the next FPOM meeting in January. He will get the data in the next few days (from this meeting) from WDFW (run timing for hatchery vs. wild steelhead), and Gary F. will get information on whether or not hatchery steelhead are in the ESU (listed one). As of Jan. '04, the issue was raised above FPOM to TMT, who decided to terminate winter attraction spill from bays 1 and 18 at Bonn., and a FPP revision was included in the '04 FPP.**

Updates for FPP: Dave H. said the FPP will be on the COE website this year. **ACTION: Dave H. wants Rudd T. to email the TMT list the revisions made in the FPP thus far. He said the COE will need TMT to review this document so they will not have objections to any revisions made, after the document is released as a FINAL. Status: Scott Boyd said he didn't think this was done yet, so Ongoing. ACTION: January 16, 2004 is the FPP revision comment deadline. Rudd T. may want to schedule a special meeting to discuss comments much like we held last year. The next FPOM meeting is scheduled for Jan. 15.**

River Flow Forecast: Rudd T. explained the handout. The Jan. Final is the first one of the season (8Jan.). Early Bird is on Jan. 2. For tailrace flows to support chum spawning, the chum spawning season is over December 31. **ACTION: Project shall maintain an 11.8' tailrace elevation flow thereafter. Status: Complete.**

ACTION Status from the January 2004 FPOM Meeting:

#### 4. Construction Updates:

For JD Main Unit 7, there is a new VBS onsite and pertinent work relates to PIT survival estimation. **ACTION: Randy Lee said they (HD) need to put measuring devices (instrumentation) on the VBS but not before they go in over the next few days. Instrumentation should take place over the next month or so. Mark Wyland of PNNL will check the status of cables that have been cut, and determine project impact. Status: Ongoing.**

5. Fishway Status Updates: TD/JD: Diffuser grating replacement is done at TD north fishway so it will be watered up soon after some minor maintenance. **ACTION: Bob C. to send me file on progress of grating replacement for me to distribute to FPOM members. Status: File sent, and distributed.**

10. HELCRABS Update (Randy Lee, HD): Randy presented a slide show (and handed out hard copies of it) outlining their efforts to date, plus reporting status. Gary Johnson mentioned criteria issues such as fishway head at the entrance vs. depth, velocity, etc. **ACTION: Burt Carnegie of ODFW should get a description to Randy (copy of report to Randy Lee). Bill Hevlin said to just run them as they are being presently operated. Status: Ongoing.**

BI/CI report was also discussed. Gary Johnson then stated that the COE will need help to develop our HELCRABS budget activities, and that this is where the level 1, 2, and 3 classification of items becomes useful. **ACTION: COE needs help to capture in our upcoming budget analysis preparation, line items that can help us determine budget needs – we need your input!! Status: Ongoing – some feedback received.** Randy Lee asked if this (HELCRABS work) is applicable to other dams. Gary J. said "Yes", we need to take a look at TD Collection Channel. We need to have engineering teams there to determine structural integrity. Photo points are needed. **ACTION: Randy Lee will give Gary Johnson feedback on modifications we did last winter at JD South and work with Bob C. and the tech. staff at**

**JD. Status: Pending funding and needs, HD will be involved to some degree, but the project has the lead.** Modifications such as repaired orifices can be put into HELCRABS (again, as of March '04, funding-dependant – project investigating this itself.) Steve Schlenker came to Bonn. to check some things. Larry Beck asked if the hydraulic modifications will be done this year? The answer is not clear cut. Funding priorities to be determined at FPOM (rate the budget items). It was asked, “will we verify using the recommended operations?” (Don’t know). **ACTION: Randy L. will send me the link to the reports, and I will send out the link to the FPOM maillist. Status: Complete.**

11. Bonn. Winter Spill for Adult Attraction – Results of Data Investigation. **ACTION: 1) Gary J. will press Dan Rawding for passage information, 2) Tammy Mackey will look at spill data, and what years were we using attraction spill, 3) Larry B. will tease out the spill/non-spill periods during the time when steelhead passed. ACTION: Scott Bettin requested ALL spill on seal until more is known about the benefits of spill for adult attraction. He said he will elevate this to IT (Implementation Team) to request it (spill discontinuation). ACTION: Larry Beck will get a document out in a week or so. Status: As of March '04, Complete.** He stated that there are preliminary indications that opening the spill bays does attract fish into the entrances. So, Gary J. solicited the question, (for present members) “Do we support shutting off attraction water during this cold water period?” Larry Basham volunteered that from the charts, we don’t know what component is winter wild steelhead (the species of concern). So, Scott B. proposed to FPOM that we shut off the attraction water until the next meeting (or until we know what Dan Rawding’s information tells us). The general consensus to the question by Scott was “NO”, and this decision was at least supported by ODFW (vanderNaald) and NOAA (Hevlin). Gary J. will talk to Rawding. Scott B. stated, as a result of the decision, if we can keep moving on this, he’s okay with keeping them open for now.

12. FPP Comments/Discussion: **ACTION: Gary J. said to set up a FPP revision discussion meeting (1 day). Rex and I will work out a day to meet with key FPOM members to discuss FPP revisions (1/2 day for each district). Status: Complete.**

ACTION Status from the February '04 FPOM meeting minutes.

5. Updates on Task Groups (not in order): FPOM is creating three (3) new task groups: 1) TDA Sluiceway Operation Task Group (Bettin – Chair); 2) Bonn. Winter Spill from 1&18 Task Group (Bettin - Chair); and 3) Upstream/Downstream Fishway Entrance Priorities Task Group (Cordie – Chair). These new task groups are to convene prior to the next FPOM meeting for decisions to be made on the topics at hand. **ACTION: Respective Task Group Chairs: Arrange for Task Group meetings for your groups asap. Status: Ongoing.** Then there was a discussion on the TDA entrance priority for FPP revision. My notes said that this revision will go out as an FPP Addendum.

6. Next discussion (out of order) was: Bonn. Winter Spill for Adult Attraction: Gary F. talked to Dan Rawding on winter steelhead, but not much information is available. Dan said that later in the winter, the majority of the fish are wild (unclipped). Gary F. said that for the analysis, just use movement (passage figures), not temperature factors. There are a number of issues we need to resolve with the new Task Group, and **ACTION: Gary F. said we need to get this Task Group assembled asap, and that Scott Bettin is Chair. Status: Pending.** For the next FPOM meeting, we need to have on the agenda: Task Groups – determine who is on the task groups. **ACTION: I (Cal) will bring in the list of Task Groups with the names on it to the March FPOM. Status: Ongoing – I brought the list but new options were discussed by NOAA. Decisions on Task Group formulation and status is Ongoing.**

7. Fishway Status: TD/JD: (handout): Bob C. went through the handout items. On Jan. 29, the Powerhouse Collection Channel was unwatered for the first time since the facility was constructed. Six pumps were used, and the gratings seen were all in good shape. Dave H. asked if they used the Fat Guy Test (jump up and down on the gratings to see how strong they are). The collection channel has 6’ voids (diffuser pits). Bob C. said we need an FPOM discussion on what we want to fix. (Eg., diffusers along the cc – which ones do we fix?) Are the floating orifices permanently closed? There are 6 or so diffusers stuck open at a “dead” (low velocity) spot in the cc, near the east end. Water is coming out and creating a dead

zone. **(ACTION) Gary J. said we should enlist the HELCRABS group to look at this, by first contacting Steve Schlenker. Status: This is Ongoing, but the project (as of March '04) has the lead on investigation, with District Operations involved. Determination for HD involvement is ongoing.** Ideally, we would want to close these diffusers for now, and fix the ones the project recommends to keep the channel flow at or near criteria. Someone stated that the floating orifices probably will not be opened again. Ultimately, we need to determine if we are getting adequate cc flow (Randy Lee/Steve Schlenker). It was suggested that project maintenance should look at all of them Bob C. said it will be a challenge to see the diffuser valves.

Bob C. proposed the following: Last year they did a lamprey-access-through-grating test to determine the size of grating lamprey can fit through. The project biologists would like to do the test again this year. **ACTION: Bob C. is to write up the proposal for this year also and submit to FPOM. Status: Bob C. said it is written, but did not pass it out, therefore: Ongoing. I am supposed to pass it out when I receive it. I have not seen it yet as of March '04.** Gary J. had a question on JD south: He asked if the project has gone back and unblocked the diffuser chamber drain orifices, that we committed to getting cleared out. Bob C. said there is NO ACCESS.

NWW: (handout): Dave H. explained the fish pump problem at McNary. They will do a penetration dive to check stay vanes. They will also do shaft run-out measurements, etc. **ACTION: Dave will provide more information at the next FPOM. Status: Ongoing (under Fishway Status).**

8. Research Updates: NWW: (handout): No research being undertaken at this time, but preparation is being made. At McNary, 3 new test screens (upgrade for main units) are being tested. There will be gatewell monitoring, etc. at McNary with lots of equipment being installed. There will be testing all through the season - gatewell monitoring. There will also be an hydraulic evaluation. Bill Hevlin had a question for Gary Johnson: "How will we monitor the whole powerhouse on the 1% issue?" There will be two monitoring programs: 1) Physical – Head differential (determination to clean VBSs); 2) biological – Corps to develop criteria, possibly baseline level descaling/injury, for which the response would be to back the unit off if descaling is high. There is low mortality seen in spring on the separator, but is much higher in summer. Sample tank mortality is a small percentage of fish that go through the facility, and is way less in spring than in summer.

Gary J. said the 1.5' head differential needs to be re-addressed. It relates to the plugging of VBSs, and impacts FGE. It also increases the turbulence and potential impacts on fish from it. **ACTION: NOAA is to push this to determine if 1.5' head differential criteria is beneficial (whenever there is guidance screens in place). Status: Work at McNary includes monitoring. Hydraulic work will determine criteria and is ongoing.** Dave H. suggested backing off the unit to 70 MW, but BPA doesn't want to do that. **ACTION: Dave H. will head up a Task Group to investigate this. Status: Still needs discussion.** It is a FPOM issue with FFDRWG involved. Gary F. mentioned monitoring head differential in gatewells for cleaning reasons. He asked what criteria are needed to determine gatewell dipping and salvaging fish. Gary F. mentioned no summer operation, but is okay to do in spring. He mentioned relaxing criteria, and estimate the number of fish that go through units? Dave H. questioned daily collection, and collection frequency. **ACTION: Bottom line (Gary F.) is that criteria need to be developed this year. Status: Dave will get with Gary J. to discuss. No decision has been made to do it yet.** Adult fallback was mentioned, and flow diagrams were mentioned. For the Task Group to develop criteria. The issue is: More unit output. Greater output by units means more water in the gatewell, therefore, more dipping potential. 15' head differential applies to McNary, for gatewell dipping. The request is to relax criteria for dipping due to a new output increase. TG members include: Dave H., (chair); Tom L.; Brad Eby; Gary F.; Larry B.; Marvin Shuttles (NWW); Wayne v., and keep me in the loop. Larry Basham asked when this has to be done. Answer was by the end of February, so the TG needs to convene, and Dave and Marvin will get this done next week (from this meeting).

9. FPP Final: Bill Hevlin asked about Lower Granite RSW fish spill plan, and asked where does this say it's a 24 hour operation? Dave H. said they never had a transition from the test to full time operation. There is a section in back on spilling 24 hrs/day for juvenile in an appendix (not sure what one). Someone asked about the Behavioral Guidance Screen. Is the RSW test conducted with the BGS in or out? Bill H. said there is no \$200K yet to do Behavioral Guidance Screen testing. But this will be discussed at FFDRWG (spill at LGR). FPP has spill patterns, but the question is the amount of spill to accompany the

RSW test. FFDRWG to determine amount, then will take to FPOM. Scott Bettin will take this to Rudd T. about what TMT puts in the Water Management Plan. He asked what was agreed on for spill amounts. Gary f. asked if I recorded and documented the February 2 FPP meeting. I said Yes I did and gave him a copy of the DRAFT minutes.

**ACTION: Dave H. will email Gary F. stuff on turbine operations (he will re-draft the language).**

**Status: Complete.**

**ACTION: Gary F. also said he wants a response to the Final letter on FPP revisions NOAA sent to NWD. Status: All responses are now in NWD possession. NWD to send letter to NOAA by the end of the month. Ongoing.**

10. Fish Count Program: Robert S. gave an overview on the progress of the new count reporting system. He said keyboards will be acquired during March, and that programmers still need to program the computers to be used. They plan to get started during the last two weeks of March. At TDA where they plan to install the initial system, the LAN line will be brought into the north countstation. At Bon., phone lines can be used. Programmer will take care of the website setup. **ACTION: Convene Count Program Task Group to hash out the details. Status: Ongoing.** A discussion followed on whether we can mesh the old system with the new one. Robert proposed a demonstration meeting for March 2 to show the keyboards to attendees, and to discuss the website. **ACTION: Robert will email an announcement for the meeting. There will be follow-up discussion at the March FPOM.** There are a lot of computer security concerns to address. **Status: Complete.**

ACTION Status from the March '04 FPOM meeting minutes:

7. Task Group Updates: **ACTION: Dave H. and I are to convene and hash out the Task Group issues. Status: Ongoing.** Dave proposes to divide up the groups into NWW and NWP factions. Dave and I will try to develop guidelines for task groups over the phone prior to the next FPOM meeting. **ACTION: I will update the Task Group lists and redistribute to FPOM members prior to the next meeting. Status: Incomplete, but Ongoing. Dave and I still need to discuss but our schedules have not allowed for it recently.**

Count Program TG: Larry Beck (**ACTION**) will send the corrected counts to FPOM, with changes to counts compared to the AFPR (spreadsheet with several worksheets from '97 – '01). **Status: Complete.** Counts covered include Nov. 15 – Mar. 15 (winter counts). Robert said the AFPR will be out in about a month. Larry sent this information out to determine ladder splits when fish numbers exceed 25K (or 30K after spill season ends), and Tammy sent spill information out.

9. FPP Post-release Follow-up: FPP Final for 2004 was signed last week. Hard copies are being distributed beginning today (day of meeting), and the document is also available on the COE website. **ACTION: Responses to NOAA comments will be submitted by the end of March by RCC. Status: Complete??** Tom Lorz said the CRITFC official letter will be sent when it gets attended to (its probably in someone's Inbox). At McNary Dam, it was noticed that the sampling mortality releases are attracting predatory birds, so it was suggested to wait until after dark to dispose of these fish into the tailrace. Rudd T. mentioned that (**ACTION**) the TDA unit operating priorities (last item in App. A) will be used, and a teletype will be issued to the project. **Status: Complete.** Presently, the TDA spill table is not a complete table, but is there as an example, so Control will not use this table. The spreadsheet will be posted on the website, as will the FPP document itself.

Other issue: Miro Zyndol said the delay in return to service of the TDA fish units is due to them still needing to be hooked up to GDACS. **ACTION: Miro is to send the details of the Fish Unit/GDACS program status to me to distribute to FPOM if requested by members. Status: I have inquired about GDACS within District. Status of TDA Fish Unit GDACS installation: ??**  
**Spillways are being completed for GDACS installation at JDA and Bonn., with TDA next in line.**