

MEMORANDUM FOR THE RECORD

Subject: Final minutes for the 13 February 2014 FPOM meeting.

The meeting was a teleconference meeting. In attendance:

Last	First	Agency	Office/Mobile	Email
Baus	Doug	USACE-RCC	503-808-3995	Douglas.m.baus@usace.army.mil
Benner	Dave	FPC		
Bettin	Scott	BPA		swbettin@bpa.gov
Caudill	Chris	Univ. Idaho		
Chockley	Brandon	FPC		
Conder	Trevor	NOAA		Trevor.conder@noaa.gov
Cordie	Bob	NWP-TDA		
Dugger	Carl	NWW-MCN		Carl.r.dugger@usace.army.mil
Fredricks	Gary	NOAA	503-231-6855	Gary.fredricks@noaa.gov
Fone	Ken	NWW		Kenneth.r.fone@usace.army.mil
Hausmann	Ben	NWP-BON	541-374-4598	Ben.j.hausmann@usace.army.mil
Hevlin	Bill	NOAA	503-230-5415	Bill.hevlin@noaa.gov
Klatte	Bern	USACE-NWP	503-808-4318	Bernard.a.klatte@usace.army.mil
Lorz	Tom	CRITFC	503-238-3574	lorz@critfc.org
Lut	Agnes	BPA		axlut@bpa.gov
Kiefer	Russ	IDFG	208-334-3791	Russ.kiefer@idfg.idaho.gov
Melanson	George	NWW-LGS		
Meyer	Ed	NOAA		
Moody	Greg	NWW		
Schneider	Carolyn	NWP		
Setter	Ann	USACE-NWW	509-527-7125	Ann.L.Setter@usace.army.mil
Smith	Marcus	NWW-LGS		
Rerecich	Jon	NWP	503-808-4779	Jonathan.g.rerecich@usace.army.mil
Wills	David	USFWS		David_wills@fws.gov
Wright	Lisa	USACE-RCC	503-808-3943	Lisa.S.Wright@usace.army.mil
VanDyke	Erick	ODFW		erick.s.vandyke@state.or.us
Zorich	Nathan	NWP-FFU		Nathan.a.zorich@usace.army.mil
Zyndol	Miro	NWP-JDA	541-506-7860	Miroslaw.a.zyndol@usace.army.mil

Caudill, Chockley, Fone, Hausmann, Kiefer, Lut, Melanson, Meyer, Moody, Schneider, Smith, Zorich, called in.

February birthdays include: Dykstra, Lut, Moody, and Wills

HAPPY BIRTHDAY!

1. Decisions made at this meeting.

1.1. January meeting minutes were approved.

1.2. TDA spillway wire ropes. Klatte reported fish money cannot be used for the wire ropes and it isn't the highest priority for the group who do have to pay for it. Lorz asked how erosion of the wall isn't "fish". **FPOM was not happy that the wire ropes were not a higher priority. Fredricks asked for a clear description of what the issues are and what the path forward will be.**

1.3. 14BON01 Lamprey wetted wall. *Approved*

1.4. 14BON02 FGE testing. *Approved.*

- 1.5. 14BON03 BI serpentine video. *Approved.*
- 1.6. 14MCN03 Adult steelhead survival. *Approved.*
- 1.7. FPP Change forms
 - 1.7.1. 14OVE002. *Approved*
 - 1.7.2. 14BON001. *Pending.*
 - 1.7.3. 14BON011. *Approved with edits.* Fredricks expressed concerns about leaving the SLEDs in during high salmon passage months. Fredricks recommended leaving the SLEDs out during August and September. **FPOM agreed to SLEDs removed by 1 August and re-installed after 1 October and before 1 February for 2014. FOG sea lion bars are ok to stay in year round.**
 - 1.7.4. 14BON012. *Not approved.*
 - 1.7.5. 14BON013. *Approved.*
 - 1.7.6. 14BON014. *Approved with edits.* Deleting footnote, keeping columns. **ACTION: Mackey will post the PNNL data to the website.**
 - 1.7.7. 14TDA009 (pending until after 6 March when we are meeting to discuss this issue).
 - 1.7.8. 14MCN002. *FPOM agreed with 60 minutes.*
 - 1.7.9. 14MCN003. *Approved as revised.*
 - 1.7.10. 14MCN007. *Approved.*
 - 1.7.11. 14MCN008. *Approved.*
 - 1.7.12. 14MCN012. *Approved.*
 - 1.7.13. 14LGS002. *Pending?* (audio 1:27) **FPOM will be the coordinating body for in season coordination. ACTION: Smith will send the ETS report to Mackey so she can post it to the FPOM website.**
 - 1.7.14. 14LWG002. *Approved.*
 - 1.7.15. 14AppB001. *Approved.*
 - 1.7.16. 14AppB002. *Approved.*
 - 1.7.17. 14AppB003. *Approved.*
 - 1.7.18. 14AppD001. ?
 - 1.7.19. 14AppD002. ?
 - 1.7.20. 14AppD003. *Pending.* NOAA requested protocols rather than a list of facilities.
 - 1.7.21. 14AppG003BON. *Pending.* Need more discussion about the picket leads with BON, NWP, CRITFC, NOAA, etc, in a separate meeting.
 - 1.7.22. 14AppJ001MCN (MCN sampling protocols). **FPOM agreed with using BON protocols for MCN.**

2. The following documents were provided or discussed. Documents may be found at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/>

- 2.1. Agenda, Fish Passage O&M Coordination Team.
- 2.2. Cooling Water Strainers Lamprey Counts.xls.
- 2.3. Coordination/Notification Forms (NWW/NWP)
- 2.4. FPP change forms. (NWW/NWP)
- 2.5. BPA outages.

3. Action Items

3.1. NWW Action Items.

- 3.1.1. [Feb 14] LWG Unit 1 return to Kaplan. **ACTION:** Setter and/or Bettin will find out why new windings are needed at LMN and provide a detailed schedule for LMN and LWG.

3.1.2. [Feb 14] 14LGS002. **ACTION:** Smith will send the ETS report to Mackey so she can post it to the FPOM website.

3.2. NWP Action Items.

3.2.1. [Jan 14] BON Forebay elevation and FPP compliance. **ACTION:** Klatte will find the report and figure out the appropriate elevation from those reports. **STATUS:** *Klatte received the information but hasn't had time to look at it yet.*

3.2.2. [Jan 14] BON CI blown diffuser. FPOM recommended putting more weight on a grating over the opening and plan for a permanent fix next winter maintenance period. FPOM asked who the hydraulic engineer is looking at this. **ACTION:** Hausmann will contact the NWP hydraulic engineers and figure out if this is a surge or a constant pressure. The Project will pin down a cover on three sides. **STATUS:** *Hausmann plans to have divers put a larger weight on three of the four sides. Still waiting on hydraulics. Hausmann said they expect to get a diver in the first week of March. FPOM was ok with that.*

3.2.3. [Jan 14] BON AFF mods. **ACTION:** Rerecich will schedule a task group meeting to discuss the latest developments towards the end of the month. **STATUS:** *task group meeting on 19 February at BON. Schneider will need to be kept in the loop about any construction at the AFF.*

3.2.4. [Feb 14] NWW hydrofoil test in B2CC. **ACTION:** Hausmann will send the schedule to Mackey and Klatte. **STATUS:** *the hydrofoil was tested and quickly broke into pieces and went downstream. The hydrofoil testing has concluded for the season.*

3.2.5. [Feb 14] TDA spillway wire ropes. **ACTION:** Klatte and Cordie will get a complete description of the issues and path forward for the March FPOM meeting. **STATUS:** *TDA and NWP is making sure it makes the necessary lists, but competition is high for a very limited amount of joint funds. Hard to compete with jetties and WVP spillways when life safety is involved.*

3.2.6. [Feb 14] JDA Avian array. Klatte suggested SCT review the array and see if the Region supports a possible re-design. **ACTION:** SCT will discuss this next week.

3.2.7. [Feb 14] 13BON01 BI wetted wall. **ACTION:** Hausmann will get more details about the rest box. He will send a photo later on 13 February if possible. **STATUS:** *Completed. Due to the change in design and lack of FPOM coordination, the wetted wall was removed from Bradford Island. Further refinement of the design and coordination with FPOM will occur for next winter maintenance.*

3.2.8. [Feb 14] Water Management Plan. **ACTION:** RCC will ensure the Water Management Plan matches the FOP.

3.2.9. [Feb 14] 14BON014. **ACTION:** Mackey will post the PNNL data to the website. **STATUS:** *completed. Data is posted to <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/FFDRWG/2014%20February%20FFDRWG/140206%20PNNL%20Datamining%20BON%20TDA.pdf>.*

3.3. Action Items completed or to be discussed later in the agenda. Klatte noted he hates this section but Mackey insists on it to keep track of Action Items completed between meetings.

- 3.3.1. [Jan 14] FPOM tour of emergency bypass. **FPOM will take a tour of the dewatered bypass on 13 March. ACTION:** Dugger will set up training for everyone who plans to attend the tour.
- 3.3.2. [Nov 13] BON Forebay elevation and FPP compliance. NOAA recommended: When BON has PH1 priority and the Region is relying on the effective operation of the ITS, then the forebay should have a hard constraint at an elevation greater than 72.5'. Bettin asked if the gates should be closed instead. Fredricks said he would prefer to spill than run PH1. **ACTION:** BON Fisheries will draft a change form to establish minimum forebay elevation to ensure ITS chain gates are meeting FPP criteria. **STATUS: covered under FPP change forms.**
- 3.3.3. [Jan 14] PM-E BON FGE testing. **ACTION:** Rerecich will add more details to the MOC and send out to NWP FFDRWG early next week. A special FFDRWG will be scheduled to work through issues. **STATUS: completed. Comments due by 31 January.**
- 3.3.4. [Jan 14] TDA split flows discussion. **ACTION:** Mackey will coordinate a meeting for late February or March. Location may be TDA, though there was some balking at that by FPOM representatives. **STATUS: tentatively scheduled for 6 March from 0900 -1100 at CRITFC Columbia Room.**
- 3.3.5. [Jan 14] JDA avian wire O&M manuals. **ACTION:** Klatte will follow up and find out about the manual status. **STATUS: discussed later in the agenda.**
- 3.3.6. [Jan 14] MCN emergency backup. **ACTION:** Setter requested the following details from Dugger for the February FPOM: where is the intake, where are the screens that are plugging, and more information about how malfunctions occur. **STATUS: see update 3.1.1.**

4. Updates

4.1. NWW Updates

- 4.1.1. MCN Power outage impacts related to passage operations. Dugger reported a new pump system is being installed. The three fish pumps will be water cooled. No longer relying on potable water for cooling water.
- 4.1.2. MCN Fish Pump 2 status. Dugger reported Fish Pump 2 may be ready by the end of March 2015. He wasn't overly confident that was an accurate estimate though. This will remain a FPOM update until the work is complete.
- 4.1.3. MCN training for those attending the emergency bypass tour. Dugger explained the basics of the tour and what participants will see. Those who wish to attend will need to provide their name and birth date to Dugger so they may take the online training and get access to the facility. The March FPOM will be at MCN to accommodate the tour in the afternoon.
- 4.1.4. LMN Unit 1 repair back to Kaplan schedule. Work will begin in 2016. Return to service is expected in 2017. Setter reported there was design work with windings and that may delay the work a little, but the Project wants to get all of the unit work completed while it is taken apart. Conder and Fredricks asked about the need to work on the windings. Bettin said he didn't have those answers right now. Lorz asked about LWG. Setter said

that is still on schedule for 2015. NOAA would like a description of why new windings are needed and a detailed schedule. **ACTION:** Setter and/or Bettin will find out why new windings are needed at LMN and provide a detailed schedule for LMN and LWG.

4.1.4.1. Lorz asked about a low flow year and impacts to adults. Setter said she was told the Region was willing to discuss in-season in-water work if necessary. Setter said this will be discussed more through FFDRWG. It would be a replacement of one pump and the potential of placing pumps deeper. FPOM asked that this be discussed ahead of time so we aren't bombarded with meetings in June.

4.2. NWP Updates

- 4.2.1. NWP Annual reports are available at <http://www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/Weekly%20and%20Annual%20Project%20Fisheries%20reports/Annual%20reports/>
- 4.2.2. BON Unit 10 update. Hausmann reported U10 is still on schedule.
- 4.2.3. BON Unit 11 update. No changes. Currently scheduled to return 24 December 2014.
- 4.2.4. BON Fish Unit outages. FU2 is back. FU1 will be OOS until mid-March for wicket gate seals. NUE is closed and FOGs are blocked.
- 4.2.5. BON B2CC repairs. Some patches are missing but there seems to be no new damage. Rerecich added that the team is working with ERDC to develop a permanent fix.
- 4.2.6. B2CC hydrofoil. Hausmann reported this is a coordination nightmare. One will be tested on 13 February to see if it is worth installing all of them in flow. The B2CC was temporarily opened for 15 minute blocks earlier in the week. FPOM would like to see the video of the testing. Bettin noted there is no quick action at the site. Lorz asked if the CRITFC tour could take a look at the hydrofoil and the test. Hausmann said it is pretty underwhelming out there but if the one hydrofoil performs, the contractor will install the other three. Baus asked more about the schedule. Hausmann directed inquiries to Ida Royer. **ACTION:** Hausmann will send the schedule to Mackey and Klatte. *STATUS: the hydrofoil was tested and quickly broke into pieces and went downstream. The hydrofoil testing has concluded for the season.*
- 4.2.7. TDA Fish Unit governor installation. Cordie reported the governors were installed. Breaker upgrades are in the planning stages now.
- 4.2.8. TDA wire ropes. Lorz asked what happened with getting new wire ropes for bays outside the spillwall. Klatte reported fish money cannot be used for the wire ropes and it isn't the highest priority for the group who do have to pay for it. Lorz asked how erosion of the wall isn't "fish". **FPOM was not happy that the wire ropes were not a higher priority.** Cordie said the ropes are a high priority for the Project, but the crane is a higher priority. There is no money and priority is unclear. **Fredricks asked for a clear description of what the issues are and what the path forward will be.** **ACTION:** Klatte and Cordie will get a complete description of the issues and path forward for the March FPOM meeting.
- 4.2.9. JDA status on the missing avian lines and O&M manuals. Zyndol reported JDA is contracting the avian line reinstallation work. The O&M manuals have not been completed. He suggested keeping your fingers crossed that the contract will be executed on time. Klatte added that when he asked about the

manual, he was told Medina is working on getting the manual completed. The current one is only partially completed. There was more discussion about the need for manuals when new facilities are built and turned over the O&M. Zyndol stressed that the longer wires are more difficult for the Project to replace without a manual. He also noted that the most efficient way to replace the wires at the end of their life span will be with a helicopter and may cost upwards of \$1M. Lorz asked if JDA is looking at a re-design to something more manageable. Klatte suggested this would be a good issue for SCT to take a look at and see if they support a re-design/new material. This will remain an agenda item. **ACTION: SCT will discuss this next week.**

Update from Medina: We have about 5 lines that need replacement. My understanding is that John Day is working up a contract to have the five lines installed. Replacement of the lines should be covered under O&M but if necessary, I may come to you for CRFM funding.

The PDT has been working closely with the John Day staff to develop and complete the O&M manual. A key sticking point for completing the manual was to figure out a way to pull the lines across the river. We believe that the use of 'tugger' or winch type device will address the matter. We are working with our EC Mechanical folks to identify the specifics of the 'tugger'. Using a helicopter to re-install downed lines has never been part of any serious discussion.

Downed lines will be replaced with lines made of similar (synthetic polymer) but improved material. There is no need for a re-design.

4.3. Research/FFDRWG updates. Approval letters, permits, etc located at www.nwd-wc.usace.army.mil/tmt/documents/FPOM/2010/NWP%20Research/Research.html

4.3.1. B2 Trashrake 90% DDR is out for review. BON will be doing the upgrades to the existing rake. There may be a time during the summer when the rake will be unavailable. FPOM understood the need to address this in-season.

4.4. RCC update.

Project	Previous day average (kcfs)	5 day forecast average (kcfs)	10 day forecast average (kcfs)
LWG	21	36	33
MCN	89	108	104
BON	111	133	125

4.5. Lamprey updates.

4.5.1. Dugger reported MCN is installing a lamprey box. Ballard Diving and Salvage has been doing the work. There was a sill that had to be removed. Unfortunately the sill is full of rebar and has really slowed the progress. The team is still optimistic the work will be completed in a timely manner. The steel stop log still needs to be removed as well. Setter added that operating criteria will be added to the FPP once the box is installed. UC Davis is ready to drop cameras to monitor the lamprey use of the box.

4.5.2. Caudill called in to talk about 13BON03. Zorich added that everything is ready to go, just waiting for the approval from FPOM. Hausmann asked about the size of the cameras. Caudill said the whole obstruction

will be 8"x6"x6". Most of the deployments will be out of the direct flow path.

- 4.6. Avian. Task Group will meet at MCN after the March FPOM and the JFF bypass tour on 13 March.
 - 4.7. Critical Infrastructure. Fone sent a template to Project Fisheries biologist for feedback. Fone said he has received some input from Project Fisheries. Comments due by 6 March to allow for Fisheries to fill out the template and then Fone will give FPOM a presentation later in the year. MCN has started using the template. FPOM said they would like to see a presentation once the Projects have filled in the template.
 - 4.8. BPA updates. Bettin provided an attachment. Bettin noted some fall outages at JDA.
5. **JDA-S expansion joint repairs.** Still on schedule with a completion date of 21 February. Zyndol reported the contract is ahead of schedule but there was a breakdown of the manlift. The final inspection was scheduled for 13 February but likely won't occur until the following week. JDA-S will return on time.



6. **Coordination/Notification forms (need concurrence).**

6.1. 14BON01 Lamprey wetted wall. Hausmann reported on the MOC. BON concerns are related to the proposed rest box on the top of the ladder wall. Once the ladder is watered up, personnel cannot access the rest box to inspect for fish. Two circuits are needed but BON may be able to provide only one, which means there is the potential for pumps to fail, lamprey to be trapped in that rest box and no way for biologists to rescue them. FPOM asked more about the box since that wasn't in the original design. Hausmann said the box is constructed, not installed, but ready for installation. Wills and Fredricks shared Hausmann's concerns about the rest box. Hausmann said he received a verbal description from the fabricators but has not talked with Mary Moser. **ACTION: Hausmann will get more details about the rest box. He will send a photo later on 13 February if possible.** NOAA is ok with the wetted wall. Bettin asked if we are sure it is really a rest box or if that verbal description might be misleading. *Rejected.*

6.1.1. Hausmann was able to send additional photos of the wetted wall. FPOM wanted to know who said to go forward with the changes to the structure and why. Hausmann said NOAA was uncomfortable going forward without the rest box. Setter asked about the pumps and flows and how biologists will know the pump has gone out. Hausmann said this is supposed to be a test system that didn't require access since there wouldn't be a place for fish to hold or be trapped. FPOM noted the photos do not look like the MOC. Hausmann noted once the facility is in, it will need to stay in for two years. **CRITFC no longer supports this MOC. FPOM no longer supports this MOC.** Last minute changes were the primary cause and a lack of justification for the proposed changes.

6.1.2. Kinsey Frick called in to discuss the wetted wall. Frick explained the proposed changes. Van Dyke asked how adults will be kept from falling

into the water supply. Frick explained that this design has been successful in other locations and there will be no gaps. **FPOM approved the MOC.**

6.2. 14BON02 FGE testing. Rerecich reported that this MOC was discussed at NWP FFDRWG and brought back to FPOM for final approval. NOAA is ok. IDFG is ok. USFWS is ok. ODFW expressed ambivalence but eventually felt ok with the MOC. CRITFC is ok. *Approved.*

6.3. 14BON03 BI serpentine video. *Approved.*

6.4. 14MCN03 Adult steelhead survival. *Approved.*

7. Fish Passage Plan: The Draft 2014 FPP and Change Forms website is at: <http://www.nwd-wc.usace.army.mil/tmt/documents/fpp/2014/changes/index.html>. Below is the list of change forms that need final approval.

7.1. 14OVE002. ODFW had requested language be included. Wright said she just wanted to run this by Van Dyke. He then wanted to review some additional language. He noted there was a lot of reference to the FOP and he said it wasn't available to review. FPOM explained how the FOP process works. Many Regional representatives do not agree with the current process. Bettin said he believes we will see changes next year. This year there isn't a change to the process due to inertia. Van Dyke asked for more history on information in the FPP. Wright said the Camas-Washougal gauge is not in the FOP. Wright explained that the Overview is a broad brush and is used to direct readers in a general way. **ACTION: RCC will ensure the Water Management Plan matches the FOP.** There was a lot of heated discussion about the WMP, FOP and FPP.

7.2. 14BON001. Pending. There is still a lot of strife regarding this change form. The FPP states mid-range operation and that is what we should be following. Fredricks said the next TSP meeting will be 25 February. Fredricks said the data from PNNL seems to indicate the concerns about turbine passage at PH2 are no longer valid. He said he has also heard from TSP folks that there may be issues with the data or the analysis. This issue will continue to be dealt with in-season until further data analysis and discussion. Lorz said there would need to be a SIMPASS model run to determine whether or not pulling screens would be appropriate, given the survival through the turbines v bypass.

7.3. 14BON011. Approved with edits. Fredricks expressed concerns about leaving the SLEDs in during high salmon passage months. Fredricks recommended leaving the SLEDs out during August and September. **FPOM agreed to SLEDs removed by 1 August and re-installed after 1 October and before 1 February for 2014. FOG sea lion bars are ok to stay in year round.**

7.4. 14BON012. Not approved. Bettin couldn't agree with this change form at this time. BPA wants to be able to go above normal operating maximum. Fredricks said this is a post spill season issue. Fredricks said he wants 72.5' openings. Hausmann pointed out the table in the FPP that doesn't have the gates always open at 2.5'. Fredricks clarified he wants 2.5' openings for gates 1A and 1B.

7.5. 14BON013. Approved.

7.6. 14BON014. Approved with edits. Deleting footnote, keeping columns. **ACTION: Mackey will post the PNNL data to the website.**

7.7. 14TDA009 (pending until after 6 March when we are meeting to discuss this issue).

7.8. 14MCN002. FPOM agreed with 60 minutes.

7.9. 14MCN003. Approved as revised. Dugger made the argument that the airburst system disturbs the fish due to the noise. FPOM approved cycling orifices.

7.10. 14MCN007. Approved.

- 7.11. 14MCN008. *Approved.*** Fredricks asked about the size separation at a non-transport facility. He would like further discussion on the issue later in the future. Fredricks also asked about the warm water temperature sampling protocols. Setter noted FPOM was asked to think about and provide input at a previous meeting.
- 7.12. 14MCN012. *Approved.***
- 7.13. 14LGS002. (audio 1:27)** Bettin commented on the August date. He said he can't guarantee we will have enough water to keep a turbine and TSW going that long. In season coordination should coordinate with TMT instead of FPOM. Baus disagreed with the assessment that this would be coordinated in TMT since this is a FPOM issue more than a TMT issue. Bettin said another way to write it would be to say by 1 August, as flows allow. Hevlin would like to see flexibility since we do not know what is causing the low survival. **FPOM will be the coordinating body for in season coordination.** Smith provided a powerpoint presentation available via web meeting. He explained erosion concerns. FPOM asked if the Project has talked with Sean Mulligan yet. Lorz said it sounds like there may be a lot of debris in the stilling basin, similar to what happened at BON a few years back. Smith continued to explain the erosion caused by the debris. There is a hole below spill bay 8. This hole was bigger but now it is filled with debris. There is undercutting below spill bay 1. Smith explained there could be turbine output changes that allow fish better opportunities to pass the project. Setter asked if he had specific recommendations. Smith suggested changes need to be determined each day since site conditions may be different one day to the next. Hevlin asked if OGS is fully loaded, then there isn't a problem with the south shore eddy. Smith said that is true. Hevlin said they saw that in the model but we are stuck in a 30kcfs spill. The Region hasn't been able to move off of that plan. FPOM recommended talking with PM-E and the engineers. This conversation was wrapped up with Smith explaining he and Melanson re-wrote the language in the change form so it was clearly understood by BPA and the control room. It includes the flow needed to push through the eddy. **ACTION: Smith will send the ETS report to Mackey so she can post it to the FPOM website.** ETS = Engineering Tech Support.
- 7.14. 14LWG002. *Approved.*** Bettin asked if orifices are open in units that are not running. NWW discussed how their orifices and unit operations sync. Fredricks pointed out that at BON, the channel flow requires a certain number of orifices to be open.
- 7.15. 14AppB001. *Approved.***
- 7.16. 14AppB002. *Approved.***
- 7.17. 14AppB003. *Approved.***
- 7.18. 14AppD001.**
- 7.19. 14AppD002.**
- 7.20. 14AppD003. *Pending.*** NOAA requested protocols rather than a list of facilities.
- 7.21. 14AppG003BON. *Pending.*** Need more discussion about the picket leads with BON, NWP, CRITFC, NOAA, etc, in a separate meeting.
- 7.22. 14AppJ001MCN (MCN sampling protocols).** Wright moved all Juvenile Facility protocols into Appendix J. Setter said she would like to see more dialogue on the MCN protocols. She would like to see MCN move more towards IHR protocols. Chockley noted IHR is not considered a SMP site so there will be differences. He said 24 hour sampling is important for indexing and other comparisons. He said PIT tag codes are so confusing and complicated for sub-yearling Chinook when determining timing. He said passage indices are just sub-yearling Chinook and a lot of the complications are removed. Fredricks said he is concerned about the warm temperature sampling, however, that discussion needs to occur between FPAC and

FPC. Chockley reiterated that MCN should be considered more of a SMP site. He noted JDA and BON both have sampling protocols in place for warm water sampling and they are different. He said JDA isn't used for timing so the reduced sampling at JDA is considered acceptable but BON is used for timing and they need the 24-hour sampling data, even if it is every other day. FPC was confused by the 100 fish per day. Fredricks said he is ok with taking BON protocol and using it for MCN. He said if we are questioning BON protocols, then we need to talk about that. *Mackey checked with Ballinger. He targets 100 fish per sample day during the warm water protocols. Some days may result in more or less than 100 but the target is 100. That target is achieved by adjusting the sample rate.* Fredricks said management decisions are not based on the fish passing MCN in late August. Conder repeated the question about management decisions based on the data collected at that time of year. This question won't be resolved at FPOM but we do need to address it in the proper forum. **FPOM agreed with using BON protocols for MCN.**

8. Task Group Updates.

- 8.1. Avian task group. Chaired by NWW. Team members include: Cordie, Dugger, Fone, Fredricks, Hausmann, Madson, Setter, Skidmore, Trachtenbarg, Zorich, and Zyndol. **Next meeting is 13 March, after FPOM and the JBS tour at MCN.** Setter said there would be a new FPP appendix that goes Project by Project and what each does for hazing and potential triggers. The team may have speakers come in to talk about how they address avian issues.
- 8.2. Sea Lion task group. (Stansell). Team members include: Conder, Cordie, Fredricks, Hausmann, Mackey, J. Skidmore, Whiteaker, Van der Leeuw. The States have the option of removing up to 92 individuals. SCA interns are on-site and will start monitoring beginning the week of 12 January. FFU protocol will be taken to Willamette Falls for identification of individuals by ODFW there. Stellers are not yet on the list for removal.
- 8.3. AFF mods (Rerecich). Team members include: Benner, Fredricks, Lorz, Mackey, Meyer, Rerecich, Royer, Stephenson, Traylor, and Whiteaker. Appendix G will be modified to reflect the recommended raking level and the recommended water elevation. **ACTION: Rerecich will schedule a task group meeting to discuss the latest developments towards the end of the month.**

9. Calendar items/ next FPOM agenda items. (Check the CY14 on the website).

- 9.1. 13 February. FPOM.
- 9.2. 26-27 February. NWW FFDRWG.
- 9.3. 6 March. TDA split flows discussion.
- 9.4. 13 March. MCN. FPOM followed by JFF emergency bypass tour followed by Avian Task Group meeting.

10. Other