

**BAKER R. FISH PASSAGE FACILITIES DESIGN
FISH PASSAGE TECHNICAL DESIGN TEAM**

9:00 a.m. - 3:00 p.m.
April 13, 2004

AGENDA

Objective: Continue engineering design development of Upper Baker Guide Net and FSC system.

9:00 - 9:10 Review agenda and handouts (Verretto)

9:10 - 9:15 Review minutes & action items (Verretto)

Downstream Passage

9:15 - 9:25 Guide net installation review (Verretto)

9:25 - 9:35 Overall passage system development schedule (Verretto)

9:35 - 10:40 NTS Design (Greg Clark)

10:40 - 10:50 Break

10:50 - 11:35 Graving Dock (Dorratcague/Eldridge)

11:35 - 12:15 Lunch

12:15 - 1:30 Model Studies (Dorratcague)

1:30 - 1:40 Break

1:40 - 2:05 FSC Naval Architecture (John Springer)

2:05 - 2:35 Comments on FSC DM (Dorratcague)

2:35 - 2:45 Other Issues (Verretto)

2:45 - 2:50 Evaluate meeting & review assignments (Verretto)

2:50 - 3:00 Long-term schedule, agenda, facilitation (Verretto)



**BAKER R. FISH PASSAGE FACILITIES DESIGN
FISH PASSAGE TECHNICAL COMMITTEE
BAKER RIVER PROJECT, FERC NO. 2150**

Design Teams Planning Schedule

(FSC, Entrance module, Guide net, Net transition, Upstream trap, Intake structure)

12 April 2004

Apr. 13, 2004	(Tue) 9-3 technical design mtg at SeaTac (no Gary)
Apr. 15, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
<i>Apr. 30, 2004</i>	<i>Submit license application, final PDEA, final settlement agreement & license articles to FERC (PSE)</i>
May 04, 2004	8-3 Design team meeting (FSC & Entrance Module) (1 hr. instrumentation/controls with Nathan, 1 hr. noise isolation with Dennis Nosom {BRC, 206-270-8910}, 1 hr. corrosion with Allen Mulkey, marine engineering with Glostén) (@ Baker)
May 05, 2004	8-3 Design team meeting (Net & Net Transition) (@ Baker)
May 18, 2004	8-4 coordination mtg at Bellevue (RE, NV, KB)
Jun. 01, 2004	(Tue) 9-3 technical design team mtg at SeaTac
Jun. 02, 2004	(Wed) 9-3 biological evaluation development mtg at SeaTac
Jun. 03, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
Jun. 15, 2004	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Jun. 16, 2004	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Jun. 29, 2004	8-4 coordination mtg at Bellevue (RE, NV, KB)
Jul. 13, 2004	(Tue) 9-3 technical design team mtg at SeaTac
Jul. 14, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
Aug. 03, 2004	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Aug. 04, 2004	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Aug. 17, 2004	8-4 coordination mtg at Bellevue (RE, NV, KB)

Aug. 24, 2004	(Tue) 9-3 technical design team mtg at SeaTac
Aug. 25, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
<i>Sept. 01, 2004</i>	<i>Draft terms & conditions due to FERC - Sec 18, 4E, 10J (agencies)</i>
Sep. 14, 2004	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Sep. 15, 2004	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Sep. 28, 2004	8-4 coordination mtg at Bellevue (RE, NV, KB)
Oct. 05, 2004	(Tue) 9-3 technical design team mtg at SeaTac
Oct. 06, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
Oct. 20, 2004	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Oct. 21, 2004	8-3 Design team meeting (Net & Net Transition) (@ MWH)
<i>Nov. 01, 2004</i>	<i>Issue draft EA (FERC)</i>
Nov. 09, 2004	8-4 coordination mtg at Bellevue (RE, NV, KB)
Nov. 16, 2004	(Tue) 9-3 technical design team mtg at SeaTac
Nov. 17, 2004	8-4 planning mtg at Bellevue (RE, NV, KB)
Dec. 08, 2004	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Dec. 09, 2004	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Jan. 06, 2005	8-4 coordination mtg at Bellevue (RE, NV, KB)
Jan. 11, 2005	(Tue) 9-3 technical design team mtg at SeaTac
Jan. 12, 2005	8-4 planning mtg at Bellevue (RE, NV, KB)
<i>Feb. 01, 2005</i>	<i>Issue final EA (FERC)</i>
<i>Feb. 01, 2005</i>	<i>Final Sec 18 mandatory conditions due to FERC (NMFS, USFWS)</i>
<i>Feb. 01, 2005</i>	<i>Final Sec 10J recommendations due to FERC (WDFW)</i>
Feb. 08, 2005	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Feb. 09, 2005	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Feb. 22, 2005	8-4 coordination mtg at Bellevue (RE, NV, KB)

Mar. 01, 2005	9-3 technical design team mtg at SeaTac
Mar. 02, 2005	8-4 planning mtg at Bellevue (RE, NV, KB)
<i>Mar. 15, 2005</i>	<i>Finalize formal ESA consultation process, services file BO (all)</i>
Mar. 22, 2005	8-3 Design team meeting (FSC & Entrance Module) (@ MWH)
Mar. 23, 2005	8-3 Design team meeting (Net & Net Transition) (@ MWH)
Apr. 05, 2005	8-4 coordination mtg at Bellevue (RE, NV, KB)
Apr. 12, 2005	9-3 technical design team mtg at SeaTac
Apr. 13, 2005	8-4 planning mtg at Bellevue (RE, NV, KB)
<i>Apr. 30, 2005</i>	<i>Issue final WQ certification (WDOE)</i>
<i>May 01, 2005</i>	<i>Final Sec 4E conditions due to FERC (USFS)</i>
<i>Oct. 14, 2005</i>	<i>Issue new Project license (FERC)</i>

Schedule Considerations

Working Group Meeting Schedule:

Aquatics – 2nd Thursday monthly
Terrestrial – 3rd Thursday monthly
Recreation – 4th Monday monthly
Cultural – 2nd Tuesday monthly
Economics – 2nd Wednesday monthly
Solution Team – 4th Tuesday monthly

Technical Design Teams: (design team leads are in **bold**)

Floating Surface Collector (development began Aug. 15, 2003)

Purpose: Develop the design elements of the new floating surface collector (FSC) and mode of transport to the fish trap.

Members: Ken Bates, Tom Bringloe/John Springer (Glosten), **Kevin Brink**, Doug Bruland, Chris Deerkop, **Dennis Dorratcague**, Ray Eldridge, Cary Feldmann, Steve Fransen, Nathan Garretson, Frank Hella, Dick Levy, Al Lynch, Ed Meyer, Matt Moughamian, Gary Sprague, Jim Stow, Nick Verretto, Stan Walsh.

Entrance Module (development began Aug. 15, 2003)

Purpose: Develop the design elements of removable/replaceable modules to accommodate modification and testing of various entrance conditions at the entrance to the FSC.

Members: Ken Bates, Tom Bringloe/John Springer (Glosten), **Kevin Brink**, Doug Bruland, **Dennis Dorratcague**, Ray Eldridge, Cary Feldmann, Steve Fransen, Frank Hella, Al Lynch, Ed Meyer, Gary Sprague, Jim Stow, Ron Twiner, Nick Verretto.

Guide Net (development began Aug. 15, 2003)

Purpose: Develop the design elements of the net and flotation system that will serve as a barrier and guidance structure for downstream migrants.

Members: Ken Bates, **Kevin Brink**, Doug Bruland, **Greg Clark**, Bob Coffell, Ray Eldridge, Cary Feldmann, Steve Fransen, Nathan Garretson, Ed Meyer, Gary Sprague, Jim Stow, Ron Twiner, Nick Verretto.

Net Transition (development began Aug. 15, 2003)

Purpose: Develop the design elements of net transition/trapping modules that support fish guidance from the forebay into the entrance of the FSC.

Members: Ken Bates, Kevin Brink, Doug Bruland, **Greg Clark**, Bob Coffell, Dennis Dorratcague, Ray Eldridge, Cary Feldmann, Steve Fransen, Ed Meyer, Gary Sprague, Jim Stow, Ron Twiner, **Nick Verretto**.

Upstream Trap (development begins Sep. 6, 2005)

Purpose: Develop the design elements of the upstream/adult fish trap and related facilities.

Members: Ken Bates, Kevin Brink, Doug Bruland, Ray Eldridge, Cary Feldmann, Steve Fransen, Nathan Garretson, Frank Hella, Dick Levy, Al Lynch, Ed Meyer, **Matt Moughamian**, Gary Sprague, Jim Stow, **Nick Verretto**.

Intake Structure (development begins May 3, 2004)

Purpose: Develop the design elements of an intake structure to replace the existing fish baffle that supports FSC operation.

Members: Ken Bates, **Kevin Brink**, Doug Bruland, Ray Eldridge, Cary Feldmann, Steve Fransen, Ed Meyer, **Jim Passage**, Gary Sprague, Jim Stow, Dave Thompson, Nick Verretto.

Technical Criteria Committee (initiated Aug. 5, 2003)

Purpose: Develop the technical design criteria to guide the FSC and components design development.

Members: **Ken Bates**, Steve Baughn, Kevin Brink, **Dennis Dorratcague**, Ray Eldridge (chair), Cary Feldmann, Steve Fransen, Nathan Garretson, Bruce Heiner, **Ed Meyer**, Nick Verretto.

Executive Committee

Purpose: Resolve disputes - as they occur - regarding design-build development.

Members: Ray Eldridge, **Cary Feldmann**, and Contractor.