



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, NORTHWESTERN DIVISION  
PO BOX 2870  
PORTLAND OR 97208-2870

CENWD-RBT

13 DEC 2012

MEMORANDUM FOR Commander, Portland District (CENWP-PM-FP/Natalie Richards)

SUBJECT: Review Plan (RP) Approval for Fall Creek Fish Facility, Fall Creek Dam, Oregon, NWP District, Northwestern Division

1. References:

a. Memorandum, CENWP-EC, 22 October 2012, subject: Fall Creek Fish Facility, Fall Creek Dam, Oregon, NWP District, Northwestern Division, Plan Review submittal for Implementation Document (Encl).

b. EC 1165-2-209 Change 1, Civil Works Review Policy, 31 January 2012.

2. Reference 1.a. above has been prepared in accordance with reference 1.b. above.

3. The RP has been coordinated with the Business Technical Division, Northwestern Division, U.S. Army Corps of Engineers. The Review Plan includes District Quality Control and Agency Technical Review (ATR). NWD will be the Review Management Organization (RMO) for the ATR.

4. I hereby approve this RP, which is subject to change as circumstances require, consistent with the study development process and the Project Management Business Process. Subsequent revisions to this RP or its execution will require written approval from this office.

5. For further information, please contact Mr. Steve Bredthauer at (503) 808-4053.

Encl

ANTHONY C. FUNKHOUSER, P.E.  
COL, EN  
Commanding

CF: CEWND-PDS



DEPARTMENT OF THE ARMY  
CORPS OF ENGINEERS, PORTLAND DISTRICT  
PO BOX 2946  
PORTLAND OR 97208-2946

REPLY TO  
ATTENTION OF

CENWP-EC

22 OCT 2012

MEMORANDUM FOR Commander, Northwestern Division (CENWD-DE)  
(Stephen Bredthauer, Quality Assurance Manager, CENWD/RBT)

SUBJECT: Fall Creek Fish Facility, Fall Creek Dam, Oregon, NWP District, Northwestern  
Division, Plan Review submittal for Implementation Document

1. Enclosed for Major Subordinate Command (MSC) approval is the Fall Creek Fish Facility Review Plan. This Review Plan has been prepared according to EC 1165-2-209, Civil Works Review Policy.
2. The District point of contact (POC) for questions or requests for additional information may be referred to Natalie Richards, at (503) 808-4755 or email at [natalie.a.richards@usace.army.mil](mailto:natalie.a.richards@usace.army.mil). A secondary POC is Technical Lead Randy Lee, at (503) 808- 4876 or email at [randall.t.lee@usace.army.mil](mailto:randall.t.lee@usace.army.mil).

FOR THE COMMANDER

Encl

CF:  
CENWD-RBT (Bredthauer)

LANCE A. HELWIG, P.E.  
Chief, Engineering & Construction Division

# ATR REVIEW PLAN

## USING THE NWD ATR REVIEW PLAN TEMPLATE

**Project Name: Fall Creek Fish Facility**  
**Project Location: Willamette Valley Projects**  
**Project P2 Number: 393762**  
**Project Manager or POC Name: Natalie Richards, PE PMP**  
**NWD Original Approval Date: XX**  
**NWD Revision X Approval Date: XX**

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### General Document Information

The first two pages of this document are the Cover sheet and the Table of Contents and are not numbered.

**Review Plan Template.** Information provided in **PAGES 3-8** is Review Plan Template information for ATR for Implementation Documents and Other Work Products. Do not alter. The controlled (approved) version of this template will be maintained on the NWD SharePoint site. Districts must use the most current version from the NWD SharePoint site and avoid shared versions outside of the NWD SharePoint. See the footer information in the template for document location.

**Attachment 1** provides the review plan Review Plan Specifics that supplement the RP Template. These specifics are prepared by the District team and as coordinated with the NWD.

**Attachment 2** provides acronyms and abbreviations for the document and may be altered as necessary.

Review Plan approval memorandums shall be documented with the RP and the dates recorded on the cover sheet.

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of Engineers**®

*Approved Version: 13 July 2011. Printed Copies are for "Information Only". The controlled version resides on the shared documents folder of the NWD SharePoint site at:*  
<https://kme.usace.army.mil/NWD/RPP/default.aspx>

# DQC/ATR REVIEW PLAN

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## **ATR Review Plan for P2 393762-Fall Creek Fish Facility**

### **1. PURPOSE AND REQUIREMENTS.**

**a. Purpose.** This ATR Review Plan (RP) Template and attachments describe requirements for the project identified on the cover sheet of this document. This RP describes Agency Technical Review (ATR) associated with implementation documents, or other work products. The RP Template and the completed RP Specifics attachment together describe the risks considered and the review plan proposed for this project or product.

**b. General Process.** The PDT considers the project risks and selects an appropriate RP Template based on the risks per EC 209. The risk consideration process is determined by Districts as appropriate to develop a risk informed review plan strategy.

1) When the District has considered the project risks and determined the applicability of this template, the PM/PDT prepares the "RP Specific" information in Attachment 1 and submits with the RP Template to NWD for approval. The RP Specifics provide the essential elements of the RP such as the scope, project cost, the review team and capabilities, review schedules and budgets and points of contacts.

2) The RP Specifics are coordinated with the appropriate levels of management in the District and the NWD. Potentially the RP may also need to be coordinated with the Risk Management Center (RMC) and others such as the relevant Planning Center of Expertise (PCX) if required. This may be necessary in cases where there is debate on the project risks, required review levels, the review team composition and areas of responsibility.

3) The approved RP Specifics and RP Template information together shall describe the project scope, review plan, schedule and budget in sufficient detail to allow review and approval for the RP. The RP information is a component of the Quality Management Plan within the Project Management Plan. Once approved, the RP is documented in the project PMP/QMP and project files and also placed on the District Website for a minimum of 30 days.

**c. Applicability.** Applicability of the review plan template is determined by NWD. Refer to the criteria provided below. This review plan template is applicable, ONLY, for projects that;

- Are agreed to require ATR review based on risk-informed decision process.
- Are agreed to NOT require Independent External Peer Review (IEPR) or Safety Assurance Review (SAR) based on a risk-informed decision process.
- Do NOT require an Environmental Impact Statement (EIS) for the project.
- And, the project for this review plan is NOT producing decision documents.

### **d. References**

Engineering Circular (EC) 1165-2-209, Civil Works Review Policy, 31 Jan 2010  
Engineering Regulation (ER) 1110-1-12, Quality Management, 30 Sep 2006

## **ATR Review Plan for P2 393762-Fall Creek Fish Facility**

ER 1105-2-100, Planning Guidance Notebook, Appendix F, Continuing Authorities Program, Amendment #2, 31 Jan 2007

ER 1105-2-100, Planning Guidance Notebook, Appendix H, Policy Compliance Review and Approval of Decision Documents, Amendment #1, 20 Nov 2007

### **2. REVIEW MANAGEMENT ORGANIZATION (RMO) COORDINATION**

The RMO for ATR is Northwestern Division (NWD) unless determined otherwise. The USACE Risk Management Center (RMC) shall serve as the RMO for Dam Safety Modification projects and Levee Safety Modification projects. NWD will coordinate and approve the review plan. The home District will post the approved review plan on its public website.

### **3. REVIEW FUNDAMENTALS**

- a. The USACE review process is based on a few simple but fundamental principles:
  - Peer review is key to improving the quality of work in planning, design and construction;
  - Reviews shall be scalable, deliberate, life cycle and concurrent with normal business processes;
  - A review performed outside the home district shall be completed on all decision and implementation documents. For other products, a risk informed decision as described in EC 209 will be made whether to perform such a review.
  
- b. The EC 209 outlines four general levels of review: District Quality Control/Quality Assurance (DQC), Agency Technical Review (ATR), Independent External Peer Review (IEPR), and Policy and Legal Compliance Review.

### **4. DISTRICT QUALITY CONTROL (DQC)**

The RMO for DQC is the home District. In accordance with EC 209 all work products and reports, evaluations, and assessments shall undergo necessary and appropriate District Quality Control (DQC).

DQC is the internal review process of basic science and engineering work products focused on fulfilling the project quality requirements defined in the project Quality Management Plan (QMP) of the Project Management Plan (PMP).

The DQC is the internal quality control process performed by the supervisors, senior staff, peers and the PDT within the home District and is managed by the home District. DQC consists of;

- a. Quality Checks and reviews. These are routine checks and reviews carried out during the development process by peers not responsible for the original work.

## **ATR Review Plan for P2 393762-Fall Creek Fish Facility**

These are performed by staff such as supervisors, team leaders or other senior designated to perform internal peer reviews.

- b. PDT reviews. These are reviews by the production team responsible for the original work to ensure consistency and coordination across all project disciplines.

DQC will be performed on the products in accordance with the QMP within the PMP.

### **5. AGENCY TECHNICAL REVIEW (ATR)**

A risk informed process was completed for this project in accordance with EC 209. See paragraph 7, RISK INFORMED DECISIONS.

The objective of ATR is to ensure consistency with established criteria, guidance, procedures, and policy. The ATR will assess whether the analyses presented are technically correct and comply with published USACE guidance, and that the document explains the analyses and results in a reasonably clear manner for the public and decision makers.

ATR will be conducted by a qualified team from outside the home District that is not involved with the day-to-day production of the project/product. ATR teams will be comprised of senior USACE personnel and may be supplemented by outside experts as appropriate. The ATR team lead will be from outside the home MSC. In limited cases, when appropriate and independent expertise can be secured from Centers or Laboratories or when proper expertise cannot be secured otherwise, NWD may approve exceptions.

### **6. REVIEW DOCUMENTATION**

- a) **Documentation of ATR.** DrChecks review software will be used to document all ATR comments, responses and associated resolutions accomplished throughout the review process. Comments should be limited to those that are required to ensure adequacy of the product. The four key parts of a quality review comment will normally include:

- (1) The review concern – identify the product’s information deficiency or incorrect application of policy, guidance, or procedures;
- (2) The basis for the concern – cite the appropriate law, policy, guidance, or procedure that has not been properly followed;
- (3) The significance of the concern – indicate the importance of the concern with regard to its potential impact on the plan selection, recommended plan components, efficiency (cost), effectiveness (function/outputs), implementation responsibilities, safety, Federal interest, or public acceptability; and;
- (4) Where appropriate, provide a suggested action needed to resolve the comment or concern.

## **ATR Review Plan for P2 393762-Fall Creek Fish Facility**

In some situations, especially addressing incomplete or unclear information, comments may seek clarification in order to then assess whether further specific concerns may exist.

The ATR documentation in DrChecks will include the text of each concern, the PDT response, a brief summary of the pertinent points in any discussion, including any vertical team coordination (the vertical team includes the district, RMO, MSC, and HQUSACE), and the agreed upon resolution. If an ATR concern cannot be satisfactorily resolved between the ATR team and the PDT, it will be elevated to the vertical team for further resolution in accordance with the policy issue resolution process described in either ER 1110-2-12 or ER 1105-2-100, Appendix H, as appropriate. Unresolved concerns can be closed in DrChecks with a notation that the concern has been elevated to the vertical team for resolution.

ATR shall be certified when all ATR concerns are either resolved or referred to the vertical team for resolution and the ATR documentation is complete. The ATR Lead will prepare a Statement of Technical Review certifying that the issues raised by the ATR team have been resolved (or elevated to the vertical team).

### **7. RISK INFORMED DECISIONS**

- a. **ATR:** (Source: EC 209, paragraph 15). The process and methods used to develop and document the risk-informed decisions are at the discretion of the District but must be appropriate for the risk and complexity of the project. The following questions and additional appropriate questions were considered;
1. Does it include any design (structural, mechanical, hydraulic, etc)? Yes
  2. Does it evaluate alternatives? Yes probably 4 alternatives
  3. Does it include a recommendation? Yes, one will be recommended
  4. Does it have a formal cost estimate? Yes it will
  5. Does it have or will it require a NEPA document? TBD
  6. Does it impact a structure or feature of a structure whose performance involves potential life safety risks? No
  7. What are the consequences of non-performance? Fish Survival issues
  8. Does it support a significant investment of public monies? Yes
  9. Does it support a budget request? Willamette BiOp
  10. Does it change the operation of the project? Yes
  11. Does it involve ground disturbances? Maybe
  12. Does it affect any special features, such as cultural resources, historic properties, survey markers, etc, that should be protected or avoided? TBD
  13. Does it involve activities that trigger regulatory permitting such as Section 404 or stormwater/NPDES related actions? Maybe
  14. Does it involve activities that could potentially generate hazardous wastes and/or disposal of materials such as lead based paints or asbestos? Maybe

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15. Does it reference use of or reliance on manufacturers' engineers and specifications for items such as prefabricated buildings, playground equipment, etc? TBD
16. Does it reference reliance on local authorities for inspection/certification of utility systems like wastewater, stormwater, electrical, etc? Electrical Grid
17. Is there or is there expected to be any controversy surrounding the Federal action associated with the work product? TBD

\*Note: A "yes" answer to questions above does not necessarily indicate ATR is required, rather it indicates an area where reasoned thought and judgment should be applied and documented in the recommendation.

**Decision on ATR:** The District considered the risks and determined that **ATR is required** considering the project risks. ATR will be performed on the products in accordance with the District QMP and this RP. **See Attachment 1** for RP Specifics.

b. **INDEPENDENT EXTERNAL PEER REVIEW (IEPR).** The District considered risks and risk triggers for Type I IEPR and Type II IEPR, also referred as a Safety Assurance Review (SAR) as described in EC 1165-2-209.

- I. **Type I IEPR** is required for decision documents under most circumstances. This project does not involve the production of decision documents.

**Decision on Type I IEPR:** The District considered these risks and determined that **Type I IEPR is not required.**

II. **Type II IEPR (SAR).** Type II IEPR, or Safety Assurance Review (SAR), are managed outside the USACE and are conducted on design and construction activities for hurricane, storm, and flood risk management projects or other projects where existing and potential hazards pose a significant threat to human life. Type II IEPR panels will conduct reviews of the design and construction activities prior to initiation of physical construction and, until construction activities are completed, periodically thereafter on a regular schedule. The reviews shall consider the adequacy, appropriateness, and acceptability of the design and construction activities in assuring public health safety and welfare.

- Any project addressing **hurricane and storm** risk management and **flood risk** management or;
- any other project where Federal action is justified by **life safety** or;
- the failure of the project would pose a **significant threat to human life.**
- This applies to new projects and to the major repair, rehabilitation, replacement, or modification of existing facilities (based on identified risks and threats).

Other Factors to consider for Type II IEPR (SAR) review of a project, or components of a project;

## ATR Review Plan for P2 393762-Fall Creek Fish Facility

- The project involves the use of innovative materials or techniques where the engineering is based on novel methods, presents complex challenges for interpretations, contains precedent-setting methods or models, or presents conclusions that are likely to change prevailing practices
- The project design requires redundancy, resiliency, and robustness.
- The project has unique construction sequencing or a reduced or overlapping design and construction schedule; for example, significant project features accomplished using the Design-Build or Early Contractor Involvement (ECI) delivery systems.

**Decision on Type II IEPR:** Based on the information and analysis provided in the preceding paragraphs of this review plan, the project covered under this plan is excluded from IEPR because it does not meet the mandatory IEPR triggers and does not warrant IEPR based on a risk-informed analysis. The District considered these risks and determined that **Type II IEPR (SAR) is not required** for the products or project

### 8. POLICY AND LEGAL COMPLIANCE REVIEW

All documents will be reviewed throughout the process for their compliance with law and policy. These reviews culminate in determinations that the recommendations in the reports and the supporting analyses and coordination comply with law and policy, and warrant approval or further recommendation to higher authority by the home MSC Commander. DQC and ATR augment and complement the policy review processes by addressing compliance with pertinent published Army policies, particularly policies on analytical methods and the presentation of findings in decision documents.

This review plan template is not intended to describe requirements and processes to conduct policy and legal compliance review, or legal sufficiency reviews.

### 9. TEMPLATE APPROVAL

NWD is responsible for maintaining the current version of this Review Plan template and ensuring the information accurately describes the criteria and considerations necessary to arrive at a risk informed decision. The review plan template is a living document and is subject to change.

The home District is responsible to complete the Review Plan Template Cover page, adjust the Table of Contents and the complete Review Plan specifics in **Attachment 1**. Significant changes to the review plan specifics (such as changes to the scope and/or level of review) should be re-approved by NWD. The completed Template information and the Attachment 1 will be submitted to the NWD for coordination and approval.

**ATR Review Plan for  
P2 393762-Fall Creek Fish Facility**

**ATTACHMENT 1  
REVIEW PLAN SPECIFICS**

The information in this attachment is prepared by the District PM/PDT for the project specific information required for this review plan. The DQC is managed by the District and is described in the PMP/QMP. This document should be attached or included in the PMP/QMP to document the ATR.

**Reiterate Decision on Type II IEPR (SAR):** This document has stated this project does not involve the production of decision documents and therefore does not reiterate a decision to exclude Type I IEPR. The project covered under this plan is excluded from Type II IEPR (SAR) because it does not meet the Type II IEPR triggers and other factors necessary to consider as described in EC 1165-2-209. The District considered these risks and determined that **Type II IEPR (SAR) is not required** for the products or project.

This project does not include any **hurricane and storm** risk management and **flood risk** management or; And there is no life safety issue or **significant threat to human life**. This new project could be a complete replacement, or modification of existing facilities to address project fishery needs. Therefore, the District does not feel a Type II IEPR (SAR) is required

**A-1. PROJECT INFORMATION**

a. **Study/Project Description-** Funded under Authority HD 544; 1938 Flood Control Act, CRFM-Willamette in support of NMFS' 2008 Biological Opinion RPA 4.6 and 6.1.2, Fall Creek Fish Facility is located southeast of Eugene Oregon on the North Fork of the Middle Fork Willamette built during the 1960's and adult fish are trapped and hauled by hand from March through Oct on Mondays and Thursdays.

For this Review Plan, there will be reviews conducted for the Alternatives or Engineering Documentation Report, a Design Documentation Report , Plans and Specifications which will lead to Construction by BiOp deadline Dec 2016. (Broken down on page 11)

The primary purpose is to upgrade the existing fish facility (including Water Supply) at Fall Creek Dam to provide safe and reliable collection, handling, sorting and water transfer to a truck to be hauled to the Fall Creek Fish Facility Reservoir.

Primary species of concern are: ESA-listed Spring Chinook salmon (primarily natural-origin), ESA-listed winter steelhead (limited), resident fish, and lamprey. The facility should accommodate at least the following functions and consider NMFS' guidelines:

- \* Adult fish trap-and-haul for spring Chinook salmon
- \* Allow for the potential for volitional upstream passage, should it be determined feasible at a later date (per RPA requirement)
- \* Allow for the safe return of fish to the tailrace (e.g., for resident fish)

## ATR Review Plan for P2 393762-Fall Creek Fish Facility

- \* Sorting of hatchery and wild fish, sorting among species (as determined)
- \* Consider the potential for facilities that hold adults prior to release into upstream habitat (if determined to decrease pre-spawning mortality)
- \* A transport/release truck(s) to release fish upstream (if needed)

### Other considerations/coordination:

The project should be scoped and designed in close coordination with Willamette Valley Project biologists, ODFW, and NMFS, with guidance from the biological opinion. Scoping efforts, draft documents, and designs of the facility should be closely coordinated with and reviewed by the Fish Passage Team (FPT) Team within the WATER Forum (Dave Griffith is the USACE Chair for this team). Project Manager (and/or Technical lead) should provide updates monthly, or more frequently as needed.

Due to the location of the fish facility, the PDT should also closely coordinate with Willamette Valley Project staff regarding maintenance, access, dam safety, and security issues.

To the extent possible, the PDT should integrate components of the other new fish facilities in the basin (Minto, Foster, Dexter, Cougar) into the designs for the Fall Creek Fish Facility to allow compatibility of equipment, parts, personnel, etc.

The team should coordinate with the Adult Release Site team to ensure compatibility of the truck design with existing or new release sites and ensure consistent assumptions regarding management options for outplanted fish.

**b. Current Total Project Cost.** Instruction: \$24.5 million from CRFM for FY12- FY18

**c. Required ATR Team Expertise.** ATR team and required expertise;

ATR Team Members/Disciplines	Expertise Required
ATR Lead/Hydraulic Engineer	The ATR lead should be a senior professional with experience in fish facilities and passage and conducting ATR. The lead should also have the necessary skills and experience to lead a virtual team through the ATR process. The Hydraulic reviewer should be a senior Professional Engineer (PE) with 10 years experience.
Structural Engineer	The Structural reviewer should be a senior PE with 10 years experience in fish passage work.
Mechanical Engineer	The Mechanical reviewer should be a senior PE with 10 years experience in fish facility passage & water supply.
Fishery Biologist	The Fishery reviewer should be a senior Fishery Biologist with 5 years experience in fish facility passage work.
Geotechnical Engineer	The Geotechnical reviewer should be a senior PE with 10 years experience in fish facility or passage work.
Cost Estimator	The Cost Estimator reviewer should be have at least 10 years experience in fish facility or passage work.

**ATR Review Plan for  
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**A-2. REVIEW SCHEDULES AND COSTS**

a. ATR Schedule. Instruction:

Review Milestone	Review Products	Date Planned
EDR 60% ATR review/backcheck	EDR	Mid- Nov
EDR 90% ATR review/backcheck	EDR	Mid-May 2013
DDR 60% ATR review/backcheck	DDR	Fall 2013
DDR 90% ATR review/backcheck	DDR	TBD
DDR 100% backcheck	DDR	TBD
P&S 60% ATR review/backcheck	P&S	Fall 2014
P&S 90% ATR review/backcheck	P&S	TBD
P&S 100% backcheck	P&S	TBD
ATR Certification		TBD

b. ATR COSTS - Labor/Expenses. Instruction:

Review Milestone	#reviewers/total hours	Approximate cost/hr	Totals
EDR 60% ATR review	6/48	\$110	\$5280
60% backcheck	6/48	\$110	\$5280
90% ATR review	6/48	\$110	\$5280
90% backcheck	6/48	\$110	\$5280
100% ATR review	6/48	\$110	\$5280
100% backcheck	6/48	\$110	\$5280
DDR 60% ATR review	6/48	\$110	\$5280
60% backcheck	6/48	\$110	\$5280
90% ATR review	6/48	\$110	\$5280
90% backcheck	6/48	\$110	\$5280
100% ATR review	6/48	\$110	\$5280
100% backcheck	6/48	\$110	\$5280
P&S 60% ATR review	6/96	\$110	\$10560
60% backcheck	6/48	\$110	\$5280
90% ATR review	6/96	\$110	\$10560
90% backcheck	6/48	\$110	\$5280
100% ATR review	6/96	\$110	\$10560
100% backcheck	6/48	\$110	\$5280
<b>Total ATR costs</b>			<b>\$110,880</b>

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c. **Engineering Models.** The following engineering models are anticipated to be used in the development of the implementation documents or other work products:

Model Name and Version	Brief Description of the Model and How It Will Be Applied in the Study	Approval Status
None expected	XXXX	Example:Certified

**A-3. REVIEW PLAN POINTS OF CONTACT**

The Review Management Organization for ATR will be NWD unless noted otherwise.

Public questions and/or comments on this review plan can be directed to the following points of contact:

Contact	Role	Title	Office/District/Division	Phone
Natalie Richards	Project Manager	Civil Engr	CENWP, US Army Corps of Engineers	503-808-4755
Steve Bredthauer	RMO - Point of contact	Senior Planner	Northwestern Division, US Army Corps of Engineers	503-808-4053

**A-4. PROJECT DELIVERY TEAM (PDT) ROSTER.** Before posting to websites for public disclosure of the RP, it may be necessary to remove names and contact information for Corps employees to comply with security policies.

PDT Roster				
Name	Discipline/Role	District/Agency	email	Phone
Randy Lee	TL/Hydraulics	NWP	Randall.t.lee@usace.army.mil	503-808-4876
Adams, Travis M	Structural Engineer	NWP	Travis.M.Adams@usace.army.mil	503-808-4954
Bardy, David M	OPM	NWP-OD	David.M.Bardy@usace.army.mil	541-937-2131 x 154
Dallas, Jay M	Mechanical Engineer	NWP	Jay.M.Dallas@usace.army.mil	503-808-4959
Fong, Arthur C	Civil Design	NWP	Arthur.C.Fong@usace.army.mil	503-808-4862
Leonhardt, David S	NWP Fishery	NWP	David.S.Leonhardt@	503-808-

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PDT Roster				
Name	Discipline/Role	District/Agency	email	Phone
	Biologist		usace.army.mil	4786
Macdonald, Jacob B	Mapping	NWP	Jacob.Macdonald@usace.army.mil	503-808-4844
Musser, Rowena L	A/E	NWP	Rowena.L.Musser@usace.army.mil	503-808-4818
Naidu, Anil	Willamette Valley Engineer	NWP-OD	Anil.Naidu@usace.army.mil	541-937-2131
Richards, Douglas E	Electrucal Engineer	NWP	Douglas.E.Richards@usace.army.mil	503-808-4923
Scullion, Mary K	Water Resources	NWP	Mary.K.Scullion@usace.army.mil	503-808-4869
Taylor, Gregory A	Project Fishery Biologist	NWP-OD	Gregory.A.Taylor@usace.army.mil	541-937-2131 x146
Nicholson, John	Real Estate	NWP-RE	John.c.nicholson@usace.army.mil	503-808-4671

**A-5. ATR TEAM ROSTER.** Before posting to websites for public disclosure of the RP, it may be necessary to remove names and contact information for Corps employees to comply with security policies.

Agency Technical Review (ATR) Team				
Name	Discipline/Role	District/Agency	email	Phone
Duncan, Donald L	Lead	MVS	Donald.l.duncan@usace.army.mil	314-331-8809
Stuart Gregory	Electrical Engineer	NWW	Stuart.a.gregory@usace.army.mil	509-527-7582
Bruce Collison	Structural Engineer	NWW	Bruce.g.collion@usace.army.mil	509-527-7551
Phil Auth	Mechanical	NWW	Philip.s.auth@usace.army.mil	509-527-7574
Curtis Been	Civil Engineer	NWW	Curtis.b.been@usace.army.mil	509-527-7241
Michael Schaffer	Geotechnical Engineer	NWW	Michael.r.schaffer@usace.army.mil	509-527-7628
Carl Bender	Cost Estimator	NWW	Carl.c.bender@usace.army.mil	509-527-7542
Tim Wik	Fishery Biologist	NWW	Tim.o.wik@usace.army.mil	509-527-7276
Lynn Reese	Hydraulic Engineer	NWW	Lynn.a.reese@usace.army.mil	509-527-7531

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**A-6. REVIEW PLAN SPECIFICS - APPROVAL**

The information provided in the Review Plan Template and the Review Plan Specifics in **Attachment 1** are hereby submitted for approval.

NWD will review this plan and route by NWD staffing sheet. If the plan is complete and appropriate for the risk and complexity of the project/products, the NWD will recommend approval by the appropriate Senior Executive Service (SES) in NWD. The NWD approval memorandum will be sent to the District PM responsible for the plan. The NWD approval memorandum shall be documented with the review plan, and the approval date should be noted on the cover sheet of this document.

Approved revisions should be recorded in the A-7 block below.

**A-7 REVIEW PLAN REVISIONS**

<b>Revision Date</b>	<b>Description of Change</b>	<b>Page / Paragraph Number</b>	<b>Date Approved</b>
Original	Fall Creek Fish Facility		6/29/2012
Revision 1			

**ATR Review Plan for  
P2 393762-Fall Creek Fish Facility**

**ATTACHMENT 2**

**B-1. ACRONYMS AND ABBREVIATIONS**

<u>Acronyms</u>	<u>Defined</u>
ATR	Agency Technical Review
CAP	Continuing Authorities Program
DCW	Director of Civil Works
DQC	District Quality Control
EC	Engineering Circular
ECI	Early Contractor Involvement
EIS	Environmental Impact Statement
ER	Engineering Regulation
FAQ's	Frequently Asked Questions
HQUSACE	Headquarters, U.S. Army Corps of Engineers
IEPR	Independent External Peer Review
NWD	Northwestern Division
MSC	Major Subordinate Command
PCX	Planning Center of Expertise
PDT	Project Delivery Team
PMP	Project Management Plan
QA	Quality Assurance
QMP	Quality Management Plan
QMS	Quality Management System
RIT	Regional Integration Team
RMC	Risk Management Center
RMO	Review Management Organization
RP	Review Plan
SES	Senior Executive Service
SAR	Safety Assurance Review (also referred as Type I IEPR)