



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

CENWD-RBT

01 MAR 2013

MEMORANDUM FOR Commander, Walla Walla District (CENWW-PM-PD-PF/Mark Mendenhall)

SUBJECT: Review Plan (RP) Approval for Upper Snake River Restoration Project, Jackson Hole, Wyoming

1. References:

- a. RP for Upper Snake River Restoration Project, Jackson Hole, Wyoming (Encl).
- b. EC 1165-2-209, Change 1, Civil Works Review, 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 and the Planning, Environmental Resources, Fish Policy and Support Division, Northwestern Division, U.S. Army Corps of Engineers. The Review Plan includes both District Quality Control and Agency Technical Review of Plans and Specifications.

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, NWD Technical Review Program Manager, at (503) 808-4053.

Encl


ANTHONY C. FUNKHOUSER, P.E.
BG, USA
Commanding

CF: RMC



DEPARTMENT OF THE ARMY
WALLA WALLA DISTRICT, CORPS OF ENGINEERS
201 NORTH THIRD AVENUE
WALLA WALLA, WA 99362-1876

REPLY TO
ATTENTION OF

CENWW-PM-PD-PF (1105)

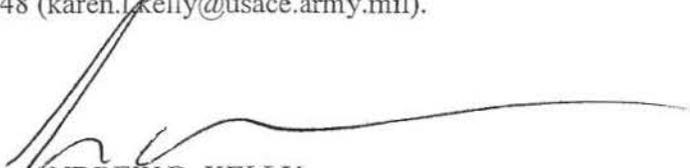
14 DEC 2012

MEMORANDUM FOR Commander, Northwestern Division (CENWD-PDD), PO Box 2870,
Portland, OR 97208

SUBJECT: Upper Snake River Restoration Project, Jackson Hole, Wyoming, Review Plan
Submittal

1. Enclosed for Major Subordinate Command (MSC) Commander approval is the Upper Snake River Restoration Project Review Plan. This Review Plan has been prepared according to Engineer Circular 1165-2-209, Civil Works Review Policy.
2. The Points of Contact for questions or requests for additional information may be referred to Mark Mendenhall, Project Manager, at 208-345-2064 (mark.a.mendenhall@usace.army.mil); or Karen Kelly, Review Plans, at 509-527-7248 (karen.l.kelly@usace.army.mil).

Encl


ANDREW D. KELLY
LTC, EN
Commanding

ATR REVIEW PLAN

USING THE NWD ATR REVIEW PLAN TEMPLATE

Project Name: UPPER SNAKE RIVER RESTORATION PROJECT

Project Location: Jackson Hole, WY

Project P2 Number: 121176

Project Manager or POC Name: Mark Mendenhall

NWD Original Approval Date: 1 March 2013

NWD Revision Approval Date:

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.



**US Army Corps
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: EC 209 Implementation Guidance ATR Template Enclosure 2

DQC/ATR REVIEW PLAN

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ATR Review Plan for Upper Snake River Restoration Project

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 Upper Snake River Restoration Project

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 Upper Snake River Restoration Project

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 Upper Snake River Restoration Project

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)?
2. Does it evaluate alternatives?
3. Does it include a recommendation?
4. Does it have a formal cost estimate?
5. Does it have or will it require a NEPA document?
6. Does it impact a structure or feature of a structure whose performance involves potential life safety risks?
7. What are the consequences of non-performance?
8. Does it support a significant investment of public monies?
9. Does it support a budget request?
10. Does it change the operation of the project?
11. Does it involve ground disturbances?
12. Does it affect any special features, such as cultural resources, historic properties, survey markers, etc, that should be protected or avoided?
13. Does it involve activities that trigger regulatory permitting such as Section 404 or stormwater/NPDES related actions?
14. Does it involve activities that could potentially generate hazardous wastes and/or disposal of materials such as lead based paints or asbestos?

ATR Review Plan for Upper Snake River Restoration Project

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

*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).

ATR Review Plan for Upper Snake River Restoration Project

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

- 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 Upper Snake River Restoration Project

ATTACHMENT 1 REVIEW PLAN SPECIFICS

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

Reiterate Decision on Type II IEPR (SAR): It has already been 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.

The purpose of this project is to restore ecosystem functions and values to aquatic, wetland, and riparian habitats located within the 22-mile-long levee system protecting Teton County. The PDT completed a Risk Informed Review Selection Worksheet specific for this project, which is shown below:

P2 Number	121176	NWW EC 1165-2-209 RISK DOCUMENTATION		
Project Title	Jackson Hole Environmental Restoration Site 10 - Almog/Walker			
User verified IEPR level of review not required for this product.				
Risk Criteria	Risk Value	Weighted Risk Value	Risk Criteria	Justification of Value Assigned
Dollar Amount	3	3	500K<\$<2M	The estimated cost of this project is \$1.5M when compared to Site 9 rock grade control structure cost.
Design Complexity	3	9	Job performed previously, moderate Calcs reqd.	Erosion control structure will be similar to Site 9 rock grade control structure except longer.
Operation	1	6	No Changes	The project operation is sponsor responsibility. Does not change Corps levee operation or maintenance.
Environmental Impact & Regulatory Permitting	2	22	Minor to Moderate	Environmental stormwater permit. 404b1 analysis may be required. No disturbance of locations having cultural significance. Eagle nest monitoring coordination is required with WyDG&F.
Safety	1	16	Minor Risk to those performing Job and NO Risk to the public	Erosion control structure should provide additional line of defense to levee protection.
Visibility	3	12	Moderate	The project is requested by Teton county and Teton Conservation District. Public controversy is not expected.
Risk Based Review Results				
Recommended Review	District Quality Control (DQC)			
Total Weighted Risk Value	68			
Maximum Risk Consideration	Environmental Impact & Regulatory Permitting			
Secondary Risk Consideration	Safety			

ATR Review Plan for Upper Snake River Restoration Project

This matrix recommended a DQC-level review because the project does not address hurricane and storm risk management, flood risk management and life safety, nor would the failure of the project pose a significant threat to human life. The Walla Walla District determined that Type II IEPR (SAR) was not required for this specific project. An ATR-level review is required, however, because this project implements actions resulting from a prior decision document.

A-1. PROJECT INFORMATION

a. **Study/Project Description.** This project involves environmental restoration of up to twelve sites within a 22-mile reach of the Upper Snake River. This work would fall under the Progressive National Ecosystem Restoration Plan generally described in the Jackson Hole, Wyoming Environmental Restoration Final Feasibility Report, dated July 2000, and approved by the Chief of Engineers December 29, 2000. The project description includes excavating ponds, main and secondary river channels, transporting material to and from the designated project disposal site, gravel sorting of material returned to the river, and construction of project features such as rock or eco-fences, spur dikes, bank armoring, or rock grade control structures; all to prevent further ecosystem degradation and propagate restoration. Although this project is generally low in complexity and has little to no impact to life and safety, an ATR-level review is required because the work being implemented is the result of a prior decision document.

b. **Current Total Project Cost.** The current total project cost is estimated to be \$66.5 million.

c. **Required ATR Team Expertise.** The PDT rationale for the ATR team composition is based on the project purpose and authorization. As many as three disciplines and a team lead will likely be required to perform ATR. To minimize costs, an effort will be made to obtain an ATR lead who can also perform one of the specific reviews described below. The ATR team's main charge is to ensure any design and implementation of features will provide the intended habitat benefits, and ensure the existing flood damage reduction system is not compromised by proposed modifications.

ATR team and required expertise;

ATR Team Members/Disciplines	Expertise Required
ATR Lead - TBD	The ATR lead should be a senior professional with experience in environmental restoration and fluvial geomorphology. The ATR lead should also have the necessary skills and experience to direct a virtual team through the ATR process.
Civil/Geotechnical Engineering	The Civil/Geotechnical reviewer should be a senior engineer or geologist with experience in environmental restoration features.

ATR Review Plan for Upper Snake River Restoration Project

Hydrology & Hydraulics (H&H)	The H&H reviewer should be a senior engineer with experience in environmental restoration and sediment transport.
Biologist	The environmental reviewer should be a senior biologist with NEPA expertise.

A-2. REVIEW SCHEDULES AND COSTS

- a. **The ATR Schedule.** A new PM was recently transitioned to this project; and the P2 schedule, resources, and milestones are being updated. The PMP is currently under revision as well. Once these updates and revisions are made, a revision to this RP will likely be necessary. Revisions will be made periodically throughout the life of this project as design and implementation occurs at any of the twelve identified restoration sites.

Review Milestone	Review Products	Date Planned
60% ATR review	P&S	TBD
60% backcheck	P&S	TBD
90% ATR review	P&S	TBD
90% backcheck	P&S	TBD
BCOE ATR review	P&S; Environmental Compliance	TBD
BCOE backcheck	P&S; Environmental Compliance	TBD
ATR Certification		TBD

- b. **ATR COSTS - Labor/Expenses.** This project is, in essence, one large adaptive management project. The costs for review, monitoring and adaptive management will be conducted on a site-by-site basis. The confidence in project performance will be greater as features are implemented and lessons learned incorporated into future designs. This, as well as specific site features will cause ATR costs to vary significantly at each site.

Review Milestone	#reviewers/total hours	Approximate cost/hr	Totals
60% ATR review	TBD	TBD	TBD
60% backcheck	TBD	TBD	TBD
90% ATR review	TBD	TBD	TBD
90% backcheck	TBD	TBD	TBD
BCOE ATR review	TBD	TBD	TBD
BCOE backcheck	TBD	TBD	TBD
ATR Certification	TBD	TBD	TBD
	TBD	TBD	TBD
ATR Expenses (travel etc)	TBD	TBD	TBD
Total ATR costs	TBD	TBD	TBD

ATR Review Plan for Upper Snake River Restoration Project

- c. **Engineering Models.** The following engineering models will be used in the development of 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
HEC-GeoRAS v. 4.3	Hydraulic model used to ensure project implementation will not raise WSEL nor impact the existing flood damage reduction system	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
Mark Mendenhall	Project Manager	Civil Engineer/ Planner	Boise Outreach Office, Walla Walla District, US Army Corps of Engineers	208-345-2064
Brad Bird	RMO - Point of contact	Senior Hydraulic Engineer	Northwestern Division, US Army Corps of Engineers	503-808-3857

A-4. PROJECT DELIVERY TEAM (PDT) ROSTER. Prior to public disclosure of the RP (via internet posting), it may be necessary to remove names and contact information for Corps employees in order to comply with security policies. This will be completed when team members have been identified.

PDT Roster				
Name	Discipline/Role	District/Agency	email	Phone
Mark Mendenhall	Planning/PM	Walla Walla	mark.a.mendenhall@usace.army.mil	208-345-2064
Curtis Been	Civil/Design	Walla Walla	curtis.b.been@usace.army.mil	509-527-7241
John Heitstuman	H&H/Design	Walla Walla	john.j.heitstuman@usace.army.mil	509-527-7293
Ben Tice	Biologist/NEPA	Walla Walla	ben.j.tice@usace.army.mil	509-527-7267
Theresa Hampson	Counsel	Walla Walla	Theresa.l.hampson@usace.army.mil	509-527-7709
Diane Jordan	Real Estate	Seattle	diane.jordan@usace.army.mil	206-316-

ATR Review Plan for Upper Snake River Restoration Project

PDT Roster				
Name	Discipline/Role	District/Agency	email	Phone
				4419
Ken Koebberling	Jackson Levee PM	Walla Walla	Kenneth.e.koebberling@usace.army.mil	509-527-7364
Sean O'Malley	County Eng/Sponsor	Teton County	TBD	307-733-3317
Randy Williams	Conservation District/Sponsor	Teton Conservation District	TBD	307-733-2110
Kurt Friederich	Cost Engineering	Walla Walla	kurt.o.friederich@usace.army.mil	509-527-7512

A-5. THE ATR TEAM ROSTER. Prior to public disclosure of the RP (via internet posting), it may be necessary to remove names and contact information for Corps employees in order to comply with security policies. This will be completed when team members have been identified.

Agency Technical Review (ATR) Team				
Name	Discipline/Role	District/Agency	email	Phone
TBD				
TBD				
TBD				

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.

This plan will be reviewed and routed by NWD via a staffing sheet. If the plan is complete and appropriate for the risk and complexity of the project/products, NWD will recommend approval by the MSC Commander. The NWD approval memorandum will be sent to the District PM responsible for the plan. The NWD approval memorandum will be posted with the RP, and the approval date is noted on the cover sheet.

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

A-7 REVIEW PLAN REVISIONS

Revision Date	Description of Change	Page / Paragraph Number	Date Approved
Original			
Revision 1			

**ATR Review Plan for
Upper Snake River Restoration Project**

ATTACHMENT 2

B-1. ACRONYMS AND ABBREVIATIONS

<u>Acronyms</u>	<u>Defined</u>
ATR	Agency Technical Review
BCOE	Biddability, Constructability, Operability & Environmental Soundness
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)