



**DEPARTMENT OF THE ARMY**  
MISSISSIPPI VALLEY DIVISION, CORPS OF ENGINEERS  
P.O. BOX 80  
VICKSBURG, MISSISSIPPI 39181-0080

REPLY TO  
ATTENTION OF:

*ZE MAR 14*

CEMVD-PD-SP

MEMORANDUM FOR Commander, St. Louis District

SUBJECT: Upper Mississippi River Restoration (formerly known as the Environmental Management Program) Piasa-Eagle's Nest Islands, Habitat Rehabilitation and Enhancement Project Review Plan

1. References:

- a. Memorandum, CEMVS-PD-F, 11 March 2014, subject as above (encl 1).
- b. Email, CEMVD-RB-T, 19 March 2014, subject: Piasa Eagles Nest PRP (encl 2).
- c. Memorandum, CECW-MVD, 16 May 2012, subject: Request for Approval of a Model Peer Review Plan for the Upper Mississippi River System Environmental Management Program (encl 3).
- d. EC 1165-2-214, 15 December 2012, subject: Civil Works Review Policy.

2. The enclosed Review Plan (RP) (encl 4) is a combined decision document and implementation document review plan. It includes the MVD EMP Checklist and has been prepared in accordance with EC 1165-2-214. The RP has been coordinated between the Business Technical Division and the Upper District Support Team.

3. MVD hereby approves the Piasa Eagle's Nest Islands Habitat Rehabilitation and Enhancement Project RP, which is subject to change as circumstances require. Any subsequent revisions to this RP or its execution will require new written approval from this office. Non-substantive changes to this RP do not require further approval. The district should post the approved RP to its website.

CEMVD-PD-SP

SUBJECT: Upper Mississippi River Restoration (formerly known as the Environmental Management Program) Piasa-Eagle's Nest Islands, Habitat Rehabilitation and Enhancement Project Review Plan

4. The MVD point of contact for this action is [REDACTED], CEMVD- PD-SP, [REDACTED]

4 Encls

Director of Programs



REPLY TO  
ATTENTION OF:

DEPARTMENT OF THE ARMY  
ST. LOUIS DISTRICT CORPS OF ENGINEERS  
1222 SPRUCE STREET  
ST. LOUIS, MISSOURI 63103

CEMVS-PM-F

11 March 2014

MEMORANDUM FOR Commander, U.S. Army Engineer Division, Mississippi Valley  
(CEMVD-PD-SP [REDACTED]), P.O. Box 80, 1400 Walnut Street, Vicksburg, MS 39181-  
0080

SUBJECT: Upper Mississippi River Restoration (formerly known as the Environmental  
Management Program) Piasa-Eagle's Nest Islands Habitat Rehabilitation and  
Enhancement Project Review Plan

1. The subject Model Review Plan (Encl 1) and MVD Environmental Management  
Program Review Plan Checklist (Encl 2) for Piasa-Eagle's Nest Islands Habitat  
Rehabilitation and Enhancement Project Feasibility Study are submitted for your review  
and approval. The Model Review Plan includes both the feasibility report (decision  
document) and P&S (implementation product). An electronic copy of the subject Model  
Review Plan and MVD EMP Review Plan Checklist has been sent to Mr. Phil Hollis,  
CEMVD.

2. The points of contacts are [REDACTED] Project Manager, [REDACTED]  
[REDACTED] or [REDACTED] District Program Manager,  
[REDACTED]

2 Encls

1. Project Review Plan
2. Review Plan Checklist

[REDACTED]  
COL, EN  
Commanding

ENC 1

[REDACTED]

---

**From:** [REDACTED]  
**Sent:** Wednesday, March 19, 2014 4:12 PM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** RE: Piasa Eagles Nest PRP (UNCLASSIFIED)

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

[REDACTED], I think this RP is ok to move forward. No comments.

-----Original Message-----

**From:** [REDACTED]  
**Sent:** Monday, March 17, 2014 10:15 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** FW: Piasa Eagles Nest PRP (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Fyi, RP attached.

-----Original Message-----

**From:** [REDACTED]  
**Sent:** Monday, March 17, 2014 9:23 AM  
**To:** [REDACTED]  
**Cc:** [REDACTED]  
**Subject:** FW: Piasa Eagles Nest PRP (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

[REDACTED], the review plan is programmatic and follows the model. Since it includes implementation, RB-T will need to review and provide comments or concurrence as appropriate. Please advise as to who will be assigned to review. Request suspense: cob 21 Mar 14.

Thanks,

[REDACTED]  
St. Louis Program Manager  
Phone: 601-634-5293

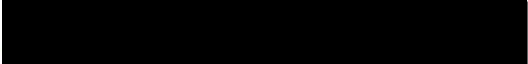
-----Original Message-----

**From:** [REDACTED]  
**Sent:** Friday, March 14, 2014 2:54 PM  
**To:** [REDACTED]  
**Subject:** Piasa Eagles Nest PRP (UNCLASSIFIED)

Classification: UNCLASSIFIED  
Caveats: NONE

Good afternoon [REDACTED],

May I please request approval of our Project Review Plan for the Piasa Eagles Nest Islands EMP project? Kat asked if we could get it back by 28 March to maintain our schedule. Please let me know if there are any issues. Thanks for your time.  
Matt

  
U.S. Army Corps of Engineers  
St. Louis District  


Classification: UNCLASSIFIED  
Caveats: NONE

Classification: UNCLASSIFIED  
Caveats: NONE

Classification: UNCLASSIFIED  
Caveats: NONE



REPLY TO  
ATTENTION OF

DEPARTMENT OF THE ARMY  
U.S. ARMY CORPS OF ENGINEERS  
WASHINGTON, D.C. 20314-1000

CECW-MVD

MAY 16 2012

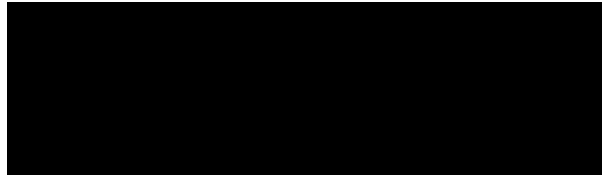
MEMORANDUM FOR Commander, U.S. Army Corps of Engineers, Mississippi Valley Division (ATTN: CEMVD-PD-SP)

SUBJECT: Request for Approval of a Model Peer Review Plan for the Upper Mississippi River System Environmental Management Program

1. HQUSACE has reviewed the draft model peer review plan for the Upper Mississippi River System Environmental Management Program. The model peer review plan is consistent with programmatic review plans developed and in use for the Continuing Authorities Program. The model Peer Review Plan is to be used for all projects within the program except those that include an Environmental Impact Statement or that meet the mandatory triggers for Type I IEPR as stated in EC 1165-2-209.

2. Questions or concerns should be directed to [REDACTED], Deputy Chief, Mississippi Valley Division Regional Integration Team, at [REDACTED]

FOR THE COMMANDER:



Chief, Planning and Policy Division  
Directorate of Civil Works

ENC13

**MODEL REVIEW PLAN**  
**Using the MVD Model Review Plan**  
**for the**  
**Upper Mississippi River Restoration (UMRR)**  
**[formerly known as the Environmental Management Program (EMP)]**  
**and**  
**Referencing the EMP Programmatic Review Plan**

*Piasa and Eagle's Nest Islands*  
*Madison and Jersey Counties, Illinois– Mississippi River Pool 26*  
*River Mile 207.5-211.5*

*St. Louis District*

**MSC Approval Date:** *Pending*  
**Last Revision Date:** *None*



**US Army Corps  
of Engineers®**

*ENC 4*

**Review Plan  
Using the MVD Model Review Plan**

*Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois – Mississippi River Pool 26  
River Miles 207.5-211.5*

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## REVIEW PLAN

### Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois, Mississippi River Pool 26, River Mile 207.5-211.5

#### 1. Purpose and Requirements

##### a. Purpose

This Review Plan defines the scope and level of peer review for the UMRR-EMP HREP Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois, Mississippi River Pool 26, River Miles 207.5-211.5. Public Law 99-662 of the 1986 WRDA, as amended, authorizes the US Army Corps of Engineers (USACE) to study, design, and construct habitat rehabilitation and enhancement projects (HREP) on the Upper Mississippi River system without specific Congressional authorization. This Review Plan is for the Piasa and Eagle's Nest Definite Project Report (DPR) with integrated environmental assessment as well as the Piasa and Eagle's Nest Plans and Specifications (P&S) implementation document. Products included for review of the DPR are an environmental and cultural assessment; plan formulation; cost estimate; incremental cost analysis; hydraulic and hydrologic analysis; geotechnical analysis; real estate plan; and drawings and specifications. Products included for review of the P&S is the P&S document.

The Environmental Management Program (EMP) study and construction authority is contained in the EMP Programmatic Review Plan (EMP PRP), Section IV.

##### b. Applicability

This review plan is based on the MVD Model Review Plan, which is applicable to projects that do not require Independent External Peer Review (IEPR), as defined by the mandatory Type I IEPR triggers contained in EC 1165-2-214, Civil Works Review Policy.

The applicability regarding the EMP is contained in the EMP PRP, Section II.

##### c. References

Reference materials are shown in the EMP PRP.

Piasa and Eagle's Nest Project Management Plan, approved 11 March 2014

#### 2. Review Management Organization (RMO) Coordination

RMO coordination will be in accordance with the MP PRP, Sections I, III, VI, and VIII. The RMO for the ATR will be MVD in lieu of ECO-PCX. The PCX will continue to serve in its advisory role.

#### 3. Project Information

##### a. Decision and/or Implementation document

The Piasa and Eagle's Nest HREP decision document will be prepared in accordance with ER 1105-2-100, Appendix F, Amendment #2. The approval level of the decision document (if policy compliant) is MVD. An Environmental Assessment (EA) will be prepared along with the decision document. An implementation document (Plans and Specifications, or P&S) will also be prepared for implementation and will undergo DQC and ATR Reviews.

##### b. Study/Project Description

**REVIEW PLAN**  
**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,**  
**Mississippi River Pool 26, River Mile 207.5-211.5**

Piasa and Eagle's Nest Island project area covers approximately 1,350 acres of backwaters, side channels, and island habitats. The project is solely on USACE owned lands but are managed by the Illinois Department of Natural Resources. It consists of 115 acres of island area, and 1,235 acres of side channel, sandbar, wetland and other aquatic areas.

The primary resource problems include: sedimentation resulting in loss of depth in the side channels, altered river hydrology, loss of emergent wetlands, and loss of islands and island area within Pool 26 of the Upper Mississippi River. These problems have led to degraded aquatic and wetland ecosystem structures and functions. Potential project features to address these problems include: river training structures including, but not limited to, chevron dikes, closure structures, alternating hard points, bullnose dikes, trail dikes and stub dikes, in-stream habitat structure, dredging, beneficial dredge material placement, revetment, and reforestation of islands for stabilization. Based upon the project features currently used in the UMRR-EMP Design Handbook (2012), the associated costs are estimated around [REDACTED]

HQ approval for a programmatic IEPR exclusion for the Upper Mississippi River Restoration Environmental Management Program was granted on 22 February 2012. No other existing policy waiver request are anticipated.

**c. Factors Affecting the Scope and level of Review**

The factors affecting the scope and level of review are discussed in the EMP PRP, Section V.

**d. In-Kind Contributions**

Products and analyses provided by non-Federal sponsors as in-kind services are subject to District Quality Control (DQC) and ATR, similar to any products developed by USACE. No in-kind products are anticipated.

**4. District Quality Control (DQC)**

District Quality Control (DQC) will be conducted in accordance with the EMP PRP, Section III.A.

**5. Agency Technical Review (ATR)**

The Agency Technical Review (ATR) will be conducted in accordance with the EMP PRP, Section III.B and VI.C. To assure independence, the leader of the ATR team shall be from outside the home MSC.

**6. Policy And Legal Compliance Review**

The Policy and Legal Compliance Reviews will be conducted in accordance with the EMP PRP, Section III.D.

**7. Cost Engineering Directory of Expertise (DX) Review And Certification**

**REVIEW PLAN**

**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Mile 207.5-211.5**

Cost Engineering Directory of Expertise (DX) Review and Certification will be conducted in accordance with the EMP PRP, Section VIII.D.

**8. Model Certification And Approval**

Approval of planning and engineering models used in EMP projects will be in accordance with the EMP PRP, Section III.E, and Section VII. See Table 1.

*Table 1. Planning and Engineering Models That May Be Used in the Development of Piasa and Eagle's Nest Island HREP*

<b>Model Name and Version</b>	<b>Brief Description of the Model and How it Will be Applied in the Study</b>	<b>Certification/ Approval Status</b>
<i>IWR-Plan</i>	<p><i>The IWR-Plan was developed by the Institute of Water Resources as accounting software to compare habitat benefits among alternatives.</i></p> <p><i>This model will be used to determine best buy alternatives and incremental cost analysis of alternatives</i></p>	<i>Certified</i>
<i>Habitat Suitability Index Models</i>	<p><i>The Habitat Suitability Index (HSI) Models are designed to measure the quality of habitat for select, representative aquatic, avian, and terrestrial wildlife species. The Habitat Suitability Index Models are the approved Habitat Evaluation Procedure (HEP) models developed by the U.S. Fish and Wildlife Service. The indicator species chosen by the PDT would represent the needs of a wider variety of species and habitat requirements. Results of the HSI models are used to evaluate among potential species-specific or aggregate habitat improvements or detriments associated with proposed project alternatives as part of the overall USACE ecosystem restoration planning process.</i></p> <p><i>These models may be used to determine wetland and aquatic habitat benefits of the Piasa and Eagle's Nest Islands HREP for existing conditions, future without project conditions and alternative plans.</i></p>	<i>Approved for Use</i>
<i>Micro-Computer Aided Cost Engineering System (MCACES) MII Version 3.0</i>	<p><i>MCACES is a cost estimation model.</i></p> <p><i>This model will be used to estimate costs for the Piasa and Eagle's Nest HREP.</i></p>	<i>Certified</i>

**REVIEW PLAN**

**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Mile 207.5-211.5**

**9. Review Schedules And Costs**

**A. District Quality Control (DQC) Schedule and Cost**

**1) DQC Estimated Schedule**

<b>Event</b>	<b>Kick-off</b>	<b>Reviewer Comments End</b>	<b>PDT Evaluation</b>	<b>Back Check</b>	<b>Complete</b>
<i>Feasibility</i>	5 Jan 2015	10 Jan 2015	10 Jan 2015	15 Jan 2015	16 Jan 2015

**2) DQC Estimated Cost**

<b>Reviewer</b>	<b>Feasibility</b>	<b>P&amp;S</b>	<b>Total Cost</b>
Real Estate			
Plan Formulation			
Geotechnical Engineer			
Regulatory			
Environmental			
Civil Engineer			
H&H Engineer			
Cultural Resources			
<b>TOTAL</b>			

**B. Agency Technical Review (ATR) Schedule and Cost**

**1) ATR Estimated Schedule**

<b>Event</b>	<b>Kick-off</b>	<b>Reviewer Comments End</b>	<b>PDT Evaluation</b>	<b>Back Check</b>	<b>Complete</b>
<i>Pre-AFB ATR</i>	2 Feb 2015	13 Feb 2015	14 Feb 2015	27 Feb 2015	13 Mar 2015
<i>Pre-AFB Cost ATR</i>	19 Jan 2015	13 Feb 2015	14 Feb 2015	24 Feb 2015	27 Feb 2015
<i>AFB Review with MVD</i>	23 March 2015	17 Apr 2015	18 Apr 2015	27 Apr 2015	8 Jun 15
<i>Public Review</i>	15 June 2015	15 Jul 2015	20 Jul 2015	n.a	31 July 2015
<i>Pre Final DPR ATR</i>	11 Aug 2015	29 Aug 2015	30 Aug 2015	5 Sept 2015	12 Sept 2015
<i>Submit Final Report to MVD</i>	19 Sept 2015	10 Oct 2015	11 Oct 2015	24 Oct 2015	31 Oct 2015
<i>P&amp;S ATR</i>	TBD	TBD	TBD	TBD	TBD

**REVIEW PLAN**  
Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Mile 207.5-211.5

2) ATR Estimated Cost

Reviewer	ATR Pre AFB	ATR Pre Final	ATR P&S	COST
ATR Team Lead				
Civil Engineer				
Environmental				
Plan Formulation				
Model Reviewer				
Cultural				
Cost				
Economist				
Geotechnical Engineer				
H&H Engineer				
Real Estate				
TOTAL				

**10. Public Participation**

Public review will be in accordance with the EMP PRP, Section VI.F

**11. Review Plan Approval And Updates**

The Review Plan approval process will be in accordance with the EMP PRP, Section VIII.B.

**12. Review Plan Points Of Contact**

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

- [REDACTED] St. Louis District UMRR-EMP Program Manager, 314-331-8455- MVS
- [REDACTED] St. District Project Manager, 314-331-8626 - MVS
- [REDACTED] St. Louis Program Manager, 601-634-5293- MVD

**REVIEW PLAN**

**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Miles 207.5-211.5**

**Attachment 1: Team Rosters**

**Major Subordinate Command Roster – 2014**

Name	Title	Contact
	St. Louis Program Manager	
	Deputy Chief DST	

**Project Delivery Team Roster – 2014**

Name	Discipline/Title	Contact Information
	Sponsor-IDNR Site Manager	
	UMRR-EMP Regional Program Manager	
	UMRR-EMP District Program Manager	
	Project Manager	
	Civil Engineer	
	Planning, Environmental Compliance, GIS Mapping	
	Hydrology & Hydraulics Engineer	
	Applied River Engineer	
TBD	Cultural Resources	TBD
TBD	Tribal Coordination	TBD
TBD	Economics	TBD
TBD	Geotechnical Engineer	TBD
TBD	Cost Estimate	TBD
TBD	Real Estate	TBD
TBD	HTRW	TBD

**REVIEW PLAN**  
**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,**  
**Mississippi River Pool 26, River Miles 207.5-211.5**

**District Quality Control Roster – 2015**

<b>Name</b>	<b>Discipline/Title</b>	<b>Contact Information</b>
TBD	Senior Real Estate	TBD
TBD	Senior Plan Formulation	TBD
TBD	Senior Geotechnical Engineer	TBD
TBD	Senior Regulatory	TBD
TBD	Senior Environmental	TBD
TBD	Senior Civil Engineer	TBD
TBD	Senior H&H Engineer	TBD
TBD	Senior Cultural Resources	TBD

**REVIEW PLAN**  
*Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,*  
*Mississippi River Pool 26, River Miles 207.5-211.5*

**Agency Technical Review Roster – 2015**

<b>Name</b>	<b>Discipline/Title</b>	<b>Contact Information</b>	<b>District</b>	<b>Education/Qualifications</b>	<b>Years of Experience</b>
TBD	ATR Team Lead	TBD	TBD	TBD	TBD
TBD	Civil Engineer	TBD	TBD	TBD	TBD
TBD	Environmental	TBD	TBD	TBD	TBD
TBD	Plan Formulation	TBD	TBD	TBD	TBD
TBD	Model Reviewer	TBD	TBD	TBD	TBD
TBD	Cultural	TBD	TBD	TBD	TBD
TBD	Cost	TBD	TBD	TBD	TBD
TBD	Economist	TBD	TBD	TBD	TBD
TBD	Geotechnical Engineer	TBD	TBD	TBD	TBD
TBD	H&H Engineer	TBD	TBD	TBD	TBD
TBD	Real Estate	TBD	TBD	TBD	TBD

**For further details on ATR members please see the ATR report which contains each reviewer's biographical sketch**



**REVIEW PLAN**  
*Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,*  
*Mississippi River Pool 26, River Miles 207.5-211.5*

**Attachment 2: Review Plan Revisions**

<b>Revision Date</b>	<b>Description of Change</b>	<b>Page/Paragraph Number</b>

**REVIEW PLAN**  
Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Miles 207.5-211.5

**Attachment 3**

**MVD UMRR-EMP Review Plan Checklist**

<b>Date:</b>	March 11 2014
<b>Originating District:</b>	MVS
<b>Project/Study Title:</b>	Piasa and Eagle's Nest HREP
<b>P2# and AMSCO#:</b>	
<b>District POC:</b>	[REDACTED]
<b>PCX Reviewer:</b>	None needed since using the Approved EMP Model Review plan and checklist

Please fill out this checklist and submit with the draft Review Plan when coordinating with the MSC. Any evaluation boxes checked "No" may indicate the project may not be able to use the MVD Model Review Plan. Further explanation may be needed or a project specific review plan may be required. Additional coordination and issue resolution may be required prior to MSC approval of the Review Plan. Checklist may be limited to Section I or Section II or Both, depending on content of review plan (or subsequent amendments).

**Section I - Decision Documents**

REQUIREMENT	EVALUATION
<b>1. Is the Review Plan (RP) for an EMP Project?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does it include a cover page identifying it as following the Model RP and listing the project/study title, originating district or office, and date of the plan?	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
b. Does it include a table of contents?	b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
c. Is the purpose of the RP clearly stated?	c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
d. Does it reference the Project Management Plan (PMP) of which the RP is a component?	d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
e. Does it succinctly describe the levels of review: District Quality Control (DQC), and Agency Technical Review (ATR)?	e. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
f. Does it include a paragraph stating the title, subject, and purpose of the decision document to be reviewed?	f. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
g. Does it list the names and disciplines of the Project Delivery Team (PDT)?*	g. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
*Note: It is highly recommended to put all team member names and contact information in an appendix for easy updating as team members change or the RP is updated.	

**REVIEW PLAN**  
*Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,*  
*Mississippi River Pool 26, River Miles 207.5-211.5*

<p><b>Comments:</b> Additional names will be added as the PDT team develops</p>	
<p><b>2. Is the RP detailed enough to assess the necessary level and focus of the reviews?</b></p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p><b>3. Does the RP define the appropriate level of review for the project/study?</b></p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>a. Does it state that DQC will be managed by the home district in accordance with the MVD and district Quality Management Plans?</p> <p>b. Does it state that ATR will be managed by MVD?</p> <p><b>Comments:</b></p>	<p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p><b>4. Does the RP explain how ATR will be accomplished?</b></p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>a. Does it identify the anticipated number of reviewers?</p> <p>b. Does it provide a succinct description of the primary disciplines or expertise needed for the review (not simply a list of disciplines)?</p> <p>c. Does it indicate that ATR team members will be from outside the home district?</p> <p>d. Does it indicate where the ATR team leader will be from?</p> <p>e. If the reviewers are listed by name, does the RP describe the qualifications and years of relevant experience of the ATR team members?*</p> <p><i>*Note: It is highly recommended to put all team member names and contact information in an appendix for easy updating as team members change or the RP is updated.</i></p> <p><b>Comments:</b> ATR team members, once identified, will be from outside the home district and the ATR lead, once identified, will be from outside MVD. Names and qualifications will be added once ATR team members have been identified.</p>	<p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p>e. Yes <input type="checkbox"/> No <input type="checkbox"/> n.a</p>
<p><b>5. Does the RP address review of sponsor in-kind contributions?</b></p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>

**REVIEW PLAN**

**Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,  
Mississippi River Pool 26, River Miles 207.5-211.5**

<b>6. Does the RP address how the review will be documented?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does the RP address the requirement to document ATR comments using Dr Checks?  <b>Comments:</b>	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>7. Does the RP address Policy Compliance and Legal Review?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>8. Does the RP present the tasks, timing and sequence (including deferrals), and costs of reviews?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does it provide a schedule for ATR including review of the Alternative Formulation Briefing (AFB) materials and final report?  b. Does it include cost estimates for the reviews?	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>9. Does the RP indicate the study will address Safety Assurance factors?</b> Factors to be considered include: <ul style="list-style-type: none"> <li>● Where failure leads to significant threat to human life</li> <li>● Novel methods\complexity\ precedent-setting models\policy changing conclusions</li> <li>● Innovative materials or techniques</li> <li>● Design lacks redundancy, resiliency of robustness</li> <li>● Unique construction sequence or acquisition plans</li> <li>● Reduced\overlapping design construction schedule</li> </ul>	Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/>  <b>Comments:</b>
<b>10. Does the RP address opportunities for public participation?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>11. Does the RP indicate ATR of cost estimates will be conducted by pre-certified district cost personnel who will coordinate with the Walla Walla Cost DX?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>12. Has the approval memorandum been prepared and does it accompany the RP?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

**REVIEW PLAN**  
*Piasa and Eagle's Nest Islands, Madison and Jersey Counties, Illinois,*  
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**Section II - Implementation Documents**

Please fill out this checklist and submit with the draft Review Plan or subsequent Review Plan amendments when coordinating with the MSC. For DQC, the District is the RMO; for ATR and Type II IEPR, MVD is the RMO. Any evaluation boxes checked "No" indicate the RP possibly may not comply with MVD Model Review Plan and should be explained. Additional coordination and issue resolution may be required prior to MVD approval of the Review Plan.

REQUIREMENT	EVALUATION
<b>1. Are the implementation documents/products described in the review or subsequent amendments?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>2. Does the RP contain documentation of risk-informed decisions on which levels of review are appropriate?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>3. Does the RP present the tasks, timing, and sequence of the reviews (including deferrals)?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does it provide an overall review schedule that shows timing and sequence of all reviews?	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
b. Does the review plan establish a milestone schedule aligned with the critical features of the project design and construction?	b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>4. Does the RP address engineering model review requirements?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does it list the models and data anticipated to be used in developing recommendations?	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
b. Does the RP identify any areas of risk and uncertainty associated with the use of the proposed models?	b. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
c. Does it indicate the certification/approval status of those models and if review of any model(s) will be needed?	c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
d. If needed, does the RP propose the appropriate level of review for the model(s) and how it will be accomplished?	d. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>5. Does the RP explain how and when there will be opportunities for the public to comment on the study or project to be reviewed?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>6. Does the RP address expected in-kind contributions to be provided by the sponsor?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
If expected in-kind contributions are to be provided by the sponsor, does the RP list the expected in-kind contributions to be provided by the sponsor?	Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/>

**REVIEW PLAN**

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<b>7. Does the RP explain how the reviews will be documented?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
a. Does the RP address the requirement to document ATR comments using Dr Checks published comments and responses pertaining to the design and construction activities summarized in a report reviewed and approved by the MSC and posted on the home district website?	a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
<b>8. Has the approval memorandum been prepared and does it accompany the RP?</b>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

**REVIEW PLAN**  
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**Attachment 4**

**STATEMENT of TECHNICAL REVIEW**  
**COMPLETION OF AGENCY TECHNICAL REVIEW**

**CERTIFICATION OF AGENCY TECHNICAL REVIEW**

The Agency Technical Review (ATR) has been completed for the Draft Final version of the Definite Project Report with Integrated Environmental Assessment for the Piasa and Eagle's Nest Islands HREP. ATR was conducted as defined in the project's Review Plan to comply with the requirements of EC 1165-2-214. During the ATR, compliance with established policy principles and procedures, utilizing justified and valid assumptions, was verified. This included review of: assumptions, methods, procedures, and material used in analyses, alternatives evaluated, the appropriateness of data used and level obtained, and reasonableness of the results, including whether the product meets the customer's needs consistent with law and existing US Army Corps of Engineers policy. The ATR also assessed the District Quality Control documentation and made the determination that the DQC activities employed appear to be appropriate and effective.. All comments resulting from the ATR have been resolved and the comments have been closed in DrChecks<sup>sm</sup>.

\_\_\_\_\_  
TBD  
ATR Team Leader  
TBD

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Redacted]  
Project Manager  
CEMVS

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Redacted]  
Chief, Engineering & Construction Division  
CEMVS

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Redacted]  
Chief, Environmental Compliance  
CEMVP-RPEDN

\_\_\_\_\_  
Date

\_\_\_\_\_  
[Redacted]  
Review Management Office  
Representative, CEMVD-PD-SP

\_\_\_\_\_  
Date