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CERTIFICATION OF QUALITY ASSURANCE REVIEW AND AGENCY TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are as follows:

As noted above, all concerns resulting from agency technical review of the project have been fully resolved.

_____ _____

MVD Chief, Engineering & Construction Date

_____ _____

MVD Chief, Operations Date

Appendix B

USACE STATEMENT OF TECHNICAL REVIEW
COMPLETION OF INDEPENDENT EXTERNAL PEER REVIEW

The Independent External Peer Review (IEPR) Team has completed the IEPR of Item _____ of the MRL Levee Enlargement and Seepage Control Project. Notice is hereby given that an IEPR has been conducted in accordance with the requirements of EC 1165-2-214. The review was appropriate to the level of risk and complexity inherent in the project. During the IEPR, 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 result, including whether the product meets the customer's needs consistent with law and existing US Army Corps of Engineers policy. The IEPR made the determination that the Quality Control activities employed appear to be appropriate and effective. All comments resulting from this IEPR have been resolved.

_____ _____
IEPR Team Leader Date

_____ _____
Review Management Organization Date

CERTIFICATION OF INDEPENDENT EXTERNAL PEER REVIEW

Significant concerns and the explanation of the resolution are as follows:

As noted above, all concerns resulting from independent external peer review of the project have been fully resolved.

_____ _____

MVD Chief, Engineering & Construction Date

_____ _____

MVD Chief, Operations Date

Appendix C

MVD Model Review Plan
for the
Mississippi River and Tributaries Project

Mainline Levee Enlargement and Seepage Control Project

Project Name and Location

Home District

MSC Approval Date: *(enter date of approval, or state "Pending" if not yet approved)*

Last Revision Date: *(enter date of last revision or "none" if no changes since last approved by MSC)*

NOTE: This MVD Model Review Plan may be used for projects consistent with *the criteria presented in Paragraph 1.b. of the plan and accompanying Checklist. If these criteria are not met, a project specific review plan must be prepared in accordance with EC 1165-2-214.* Required model review plan text is provided in normal black font and should not be changed. Areas in the RP where project specific information must be added is shown in *underlined blue italic font*. Supplemental information is shown in red text in a text box (like this note) and should be **deleted** in the final review plan. You may need to adjust page breaks, update page numbers in Table of Contents, and adjust header and footer information in your final RP.

DELETE THIS TEXT BOX BEFORE FINALIZING THE REVIEW PLAN.

US Army Corps
of Engineers ®

Review Plan
Using the MVD Model Review Plan
Project Name and Location

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REVIEW PLAN
Project Name and Location

1. General.

a. Purpose. This Review Plan defines the scope and level of peer review for the <*ENTER project name and location* products. <*INCLUDE the Products included for review, e.g. Project Factsheet; an environmental and cultural assessment; cost estimate; economic analysis; hydraulic and hydrologic analysis; geotechnical analysis; real estate plan; and drawings and specifications. This Review Plan can be used for decision documents and/or implementation documents.*> The products for review are as follows:

b. Requirements. This review plan was developed in accordance with EC 1165-2-214, which establishes an accountable, comprehensive, life-cycle review strategy for Civil Works products by providing a seamless process for review of all Civil Works projects from initial planning through design, construction and operation, maintenance, repair, replacement and rehabilitation (OMRR&R).

c. References. Reference materials are shown in the regional project review plan.

2. Review Management Organization (RMO) Coordination. The RMO is responsible for managing the overall peer review effort described in this review plan. The Dam and Levee Safety Production Center will serve as the RMO. The Mississippi Valley Division will coordinate and approve the review plan. The District will post the approved review plan on its public website.

3. Project Information.

4. District Quality Control (DQC). The District's Mississippi River Levee Senior Project Manager (MRL PM) in conjunction with the chief of the engineering function will submit its work products, i.e., levee enlargement/seepage control measures/levee armoring plans and specifications (P&S) to personnel in the District office not involved in the development of those plans for review and comment. This review team will be composed of senior members of the hydraulics and hydrology, design, geotechnical, operations and construction disciplines.

a. Documentation. Comments and the resolution to those comments will be put in DrChecks. Each District's MRL PM will prepare a report discussing the review activities, including personnel and disciplines, and briefly discussing any significant comments. The report will include documentation of any clearance needed to advertise or start construction.

b. Submittal. The report will be submitted to the MVD MRL Coordinator and MVD MR&T Program Manager.

5. Agency Technical Review (ATR). The RMO will assemble an ATR team composed of appropriately qualified members to include an ATR team leader from outside the Major

Subordinate Command (MSC). The ATR will take place after completion of the District's DQC. The District MRL PM in conjunction with the chief of the engineering function will submit the work products to the ATR team leader. The leader of the ATR team will complete the statement shown as Attachment A indicating completion of the review and resolution of comments.

a. Documentation. Each ATR member will enter comments into DrChecks for review and resolution. Comments and discussion will be included in a report developed by the ATR team leader.

b. Submittal. The report will be submitted to the District's MRL PM within 60 days after receipt of the work products.

c. The MRL PM will submit the report to the MVD MRL Coordinator and MVD MR&T Program Manager.

6. Independent External Peer Review (IEPR). The RMO will assemble an IEPR team composed of appropriately qualified members. The IEPR team will review the consistency of application of design criteria and guidance across project reaches (inter-district). The District MRL PM will furnish the appropriate work products to the leader of the IEPR team. The IEPR team leader will complete the statement shown as Attachment B indicating completion of the review and resolution of comments.

a. Documentation. The IEPR team leader will prepare a report discussing all comments and the resolution to those comments by each team member.

b. Submittal. The report will be submitted to the District MRL PM 60 days after receipt of the work products.

c. The MRL PM will submit the report to the MVD MRL Coordinator and MVD MR&T Program Manager.

7. Review Plan Points Of Contact. The points of contact for this review plan are the MRL PM for the _____ District and the MVD MRL Coordinator, Kent Parrish.

Attachment A

STATEMENT OF TECHNICAL REVIEW
COMPLETION OF QUALITY ASSURANCE REVIEW AND AGENCY TECHNICAL REVIEW

The _____ District has completed the Agency Technical Review of Item _____ of the MRL Enlargement and Seepage Control Project in the _____ District. Notice is hereby given that (1) a Quality Assurance review has been conducted as defined in the Quality Assurance Plan and (2) an agency technical review that is appropriate to the level of risk and complexity inherent in the project, has been conducted as defined in the project's Quality Management Plan. During the agency technical review, 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 result, including whether the product meets the customer's needs consistent with law and existing Corps policy. The review also assessed the DQC documentation and made the determination that the DQC activities employed appear to be appropriate and effective. The agency technical review was accomplished by appropriate personnel from _____, led by _____. All comments resulting from QA and ATR have been resolved.

_____ _____
ATR Team Leader Date

_____ _____
Review Management Organization Date

_____ _____
District MRL PM Date

CERTIFICATION OF QUALITY ASSURANCE REVIEW AND AGENCY TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are as follows:

As noted above, all concerns resulting from agency technical review of the project have been fully resolved.

Chief, Engineering/Construction	Date
Deputy for Project Management	Date

Attachment B

USACE STATEMENT OF TECHNICAL REVIEW
COMPLETION OF INDEPENDENT EXTERNAL PEER REVIEW

The Independent External Peer Review (IEPR) Team has completed the IEPR of Item _____ of the MRL Levee Enlargement and Seepage Control Project. Notice is hereby given that an IEPR has been conducted in accordance with the requirements of EC 1165-2-214. The review was appropriate to the level of risk and complexity inherent in the project. During the IEPR, 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 result, including whether the product meets the customer's needs consistent with law and existing US Army Corps of Engineers policy. The IEPR made the determination that the Quality Control activities employed appear to be appropriate and effective. All comments resulting from this IEPR have been resolved.

_____ _____
IEPR Team Leader Date

_____ _____
Review Management Organization Date

CERTIFICATION OF INDEPENDENT EXTERNAL PEER REVIEW

Significant concerns and the explanation of the resolution are as follows:

As noted above, all concerns resulting from independent external peer review of the project have been fully resolved.

District MRL PM	Date
District Chief, Engineering/Construction	Date
District Deputy for Project Management	Date