



REPLY TO
ATTENTION OF:

DEPARTMENT OF THE ARMY

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

CEMVD-PD-L

4 December 2014

MEMORANDUM FOR Commander, Memphis District (CEMVM-PM-P)

SUBJECT: Review Plan for Mound City, Lower Cache, IL Section
1135 Project

1. References:

a. Memorandum, CEMVM-EC, 26 November 2014, subject as above
(encl).

b. EC 1165-2-214, Civil Works Review, 15 December 2012.

2. MVD staff has reviewed the Review Plan (RP) and related documents for the subject project. The RP was developed in accordance with reference 1.b., 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.

3. The subject RP is hereby approved. Please post the approved RP to your web page.

4. The MVD point of contact for this action is Ms. Sarah Palmer, CEMVD-PD-L, (601) 634-5910.

A handwritten signature in cursive script, reading "Rayford E. Wilbanks", is positioned above the typed name.

RAYFORD E. WILBANKS
Leader, Planning and Policy
Community of Practice

Encl



Reply to
Attention of:

DEPARTMENT OF THE ARMY
MEMPHIS DISTRICT CORPS OF ENGINEERS
167 NORTH MAIN STREET B-202
MEMPHIS, TENNESSEE 38103-1894

CEMVM-EC

26 November 2014

MEMORANDUM FOR: Commander, Mississippi Valley Division (ATTN: CEMVD-PD-L,
Mr. Rayford Wilbanks)

SUBJECT: Review Plan for Mound City, Lower Cache, IL Section 1135 Project

1. The review plan for the Mound City, Lower Cache, IL is enclosed for Mississippi Valley Division's review and approval. The Review Plan was prepared in accordance with EC 1165-2-214.
2. The Mound City, Lower Cache, IL Project is currently in the feasibility phase. As required by EC 1165-2-209, request review and approval of the Review Plan.
3. The point of contact for this memorandum is the project manager, Mr. Jason Allmon, at (901) 544-0766.

AUTHORITY LINE:

Encl

DAVIDSON.DON
NY.D.1230650124

Digitally signed by
DAVIDSON.DONNY.D.1230650124
DN: c=US, o=U.S. Government, ou=DoD,
ou=PKI, ou=USA,
cn=DAVIDSON.DONNY.D.1230650124
Date: 2014.11.26 13:08:51 -06'00'

DONNY D. DAVIDSON, P.E.
Chief, Engineering & Construction Division

REVIEW PLAN
Using the MVD Model Review Plan
for
Continuing Authorities Program
Section 14, 107, 111, 204, 206, 208, or 1135 Projects,
or Projects directed by Guidance
to use CAP processes

Mound City, Lower Cache, IL
Section 1135 Project

Memphis District

MSC Approval Date: Pending
Last Revision Date: 26 November 2014



**US Army Corps
of Engineers®**

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

**Mound City, Lower Cache, IL
Section 1135 Project**

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REVIEW PLAN
Mound City, Lower Cache, IL, Section 1135

1. Purpose and Requirements.

a. Purpose. This Review Plan defines the scope and level of peer review for the [Mound City, Lower Cache, IL, Section 1135 project](#). For review is the project's Detailed Project Report – to include items such as environmental and cultural assessment, cost estimate, economic analysis, hydraulic and hydrologic analysis, geotechnical analysis, real estate plan, and drawings & specifications.

Section 1135 of the Water Resources Development Act of 1986, Public Law 99-662, provides the authority to modify existing Corps projects to restore the environment and construct new projects to restore areas degraded by Corps projects with the objective of restoring degraded ecosystem structure, function, and dynamic processes to a less degraded, more natural condition considering the ecosystem's natural integrity, productivity, stability and biological diversity. This authority is primarily used for manipulation of the hydrology in and along bodies of water, including wetlands and riparian areas. This is a Continuing Authorities Program (CAP) which focuses on water resource related projects of relatively smaller scope, cost and complexity. Unlike the traditional Corps' civil works projects that are of wider scope and complexity, the Continuing Authorities Program is a delegated authority to plan, design, and construct certain types of water resource and environmental restoration projects without specific Congressional authorization.

Additional Information on this program can be found in Engineering Regulation 1105-2-100, Planning Guidance Notebook, Appendix F, Amendment #2.

b. Applicability. This review plan is based on the MVD Model Review Plan for Section 14, 107, 111, 204, 206, 208, or 1135 Projects or Programs directed by guidance to follow CAP processes, 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.

c. References:

- (1) Engineering Circular (EC) 1165-2-214, Civil Works Review Policy, 15 December 2012.
- (2) Director of Civil Works' Policy Memorandum #1, CECW-P, dated 19 January 2011.
- (3) EC 1105-2-412, Assuring Quality of Planning Models, 31 March 2010.
- (4) Engineering Regulation (ER) 1110-1-12, Quality Management, 30 September 2006.
- (5) ER 1105-2-100, Planning Guidance Notebook, Appendix F, Continuing Authorities Program, Amendment #2, 31 January 2007.
- (6) ER 1105-2-100, Planning Guidance Notebook, Appendix H, Policy Compliance Review and Approval of Decision Documents, Amendment #1, 20 November 2007.
- (7) PMP to be developed by 15 April 2015.

2. Review Management Organization (RMO) Coordination.

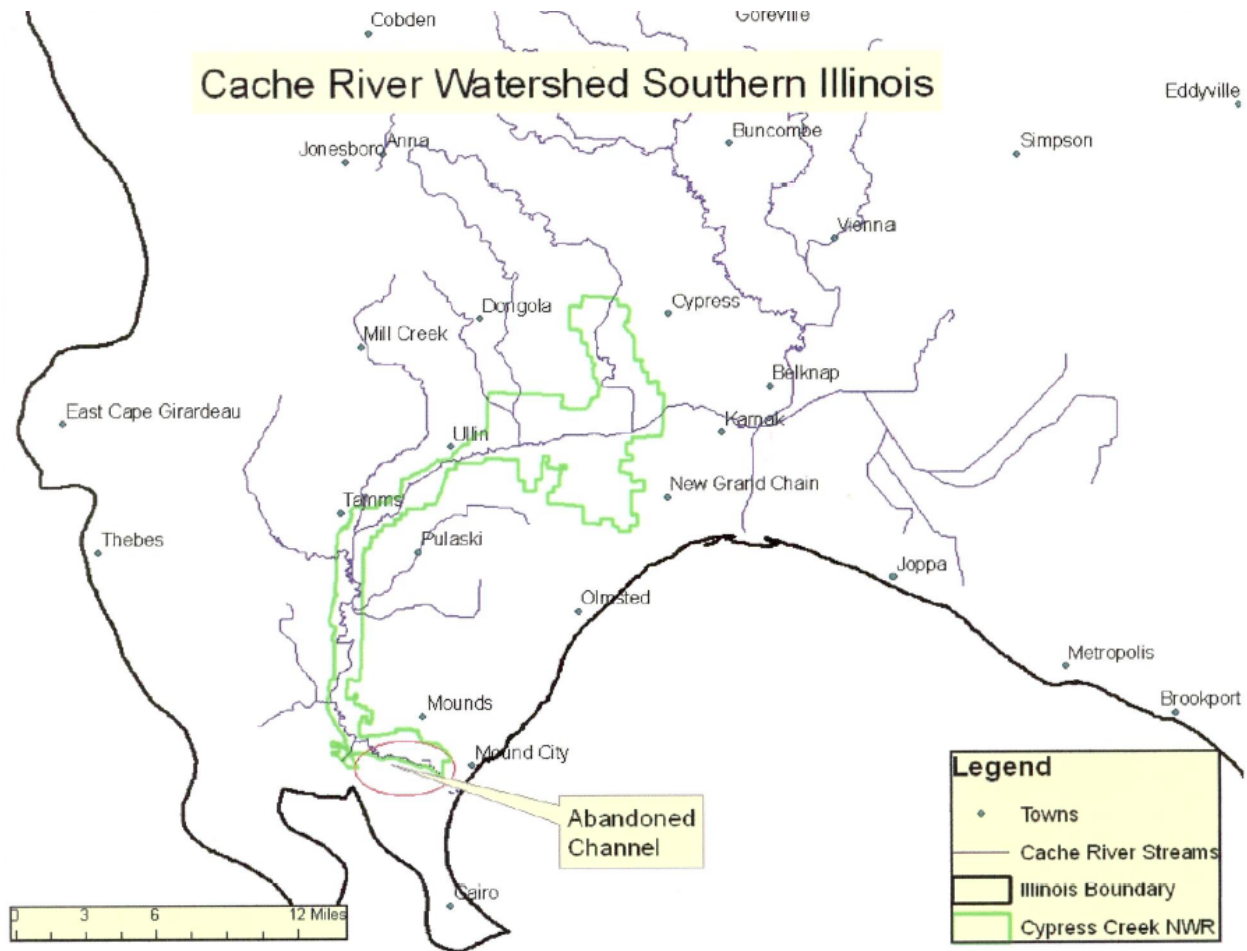
The RMO is responsible for managing the overall peer review effort described in this review plan. The RMO for [Section 1135](#) is MVD. MVD will coordinate and approve the review plan and manage the Agency Technical Review (ATR). The home District will post the approved review plan on its public website.

3. Project Information.

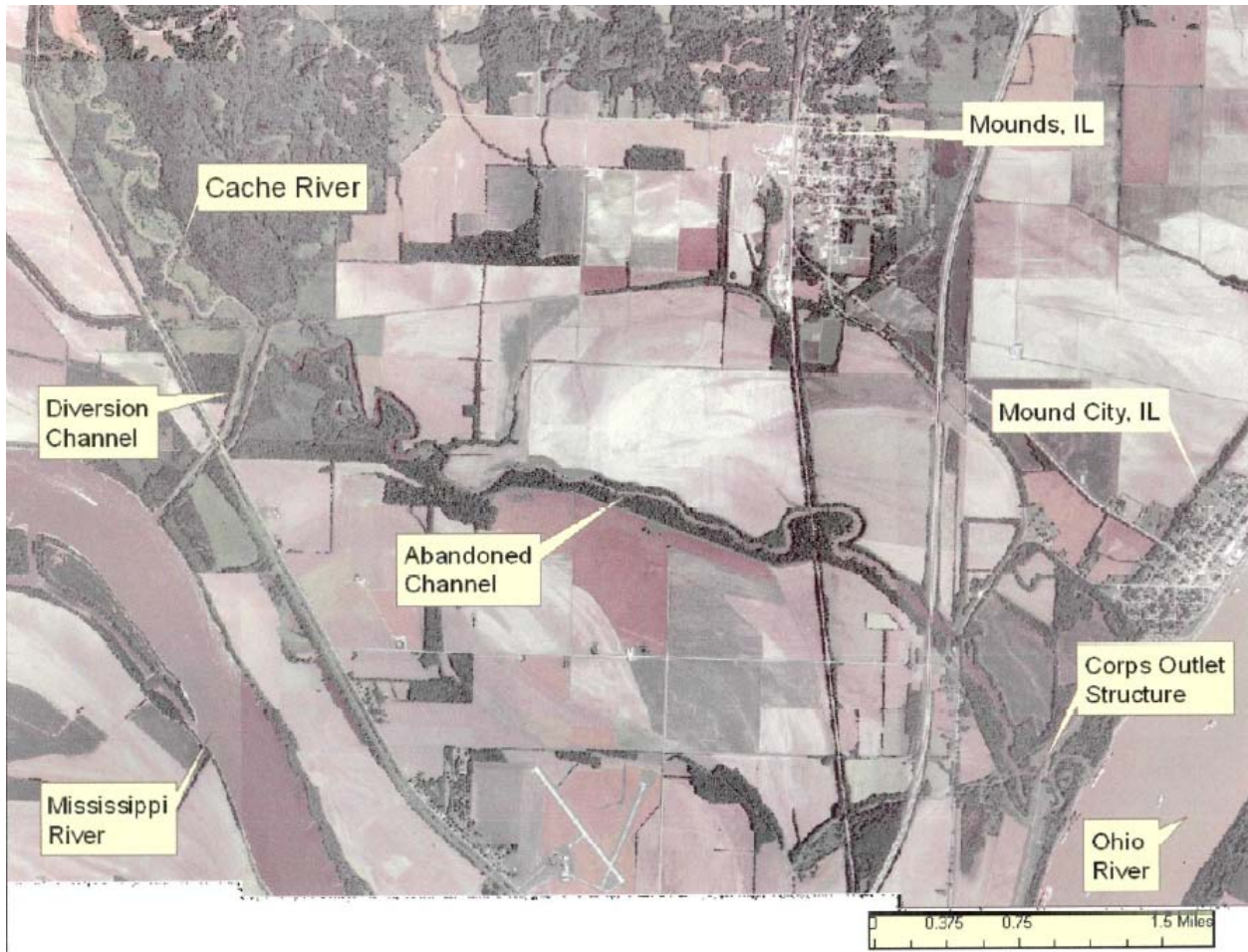
a. Decision Document. The Mound City, Lower Cache, IL decision document will be prepared in accordance with ER 1105-2-100, Appendix F, Amendment #2. The approval level of the decision document (if policy compliant) is MVD. An Environmental Assessment (EA) will be prepared along with the decision document.

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b. Study/Project Description. The study area is located in southern Illinois near Mound City. The lower portion of the Cache River from the mouth to 6.5 miles upstream experiences problematic low water levels, low flow, and silt deposition. This stretch of the river was cut off from the rest of the Cache watershed in the 1950's by the construction of a levee and diversion channel to the Mississippi River. This stretch historically handled the flow from 400,000 acres of watershed. Currently, it drains only the local area. Connection to the Ohio River is controlled by a Corp of Engineers' structure. When the water control structure at the Ohio River leaks or needs to be opened for drainage of other local areas, water levels in the abandoned channel regularly become very low. The limited amount of drainage from the local area is not sufficient to refill the channel. Without restoration, low water levels in the abandoned channel threaten fish and other aquatic fauna. Shrubby and woody vegetation invade what was historically an open river channel. Alternatives such as a water control structure (weir, culverts, etc.) and silt removal will be considered during the study. The estimated range of costs for a potentially recommended plan is \$200,000 to \$7 million. The potential non-Federal sponsor is the Cairo Drainage & Levee District.



REVIEW PLAN
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c. Factors Affecting the Scope and level of Review. The model review plan is appropriate for this project because the scope is limited to a small stretch of river channel and the project is much less than \$45 million dollars. A sponsor has been identified as the Cairo Drainage District, Cairo, Illinois. The project does not require an Environmental Impact Statement, but will have an environmental and cultural assessment. It will not be possible to restore the channel to its pre-1950's state, but there are ways that the project can enhance the existing environment and restore some of the historic features of the channel with some form of water control structure and possible silt removal. The project is not likely to involve significant public dispute as to the size, nature, or effects of the project. It is also not likely to involve significant public dispute as to the economic or environmental cost or benefit of the project. There are no technical, institutional, and social challenges anticipated. The decision document is not likely to be based on novel methods, involve the use of innovative materials or techniques, present complex challenges for interpretation, contain precedent-setting methods or models, or present conclusions that are likely to change prevailing practices. Furthermore, the project does not involve a significant threat to human life/safety assurance. And finally, the project design is not anticipated to require redundancy, resiliency, and/or robustness, unique construction sequencing, or a reduced or overlapping design construction schedule.

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 from the non-Federal sponsor.

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4. District Quality Control (DQC).

All decision documents (including supporting data, analyses, environmental compliance documents, etc.) shall undergo DQC prior to ATR. DQC is an internal review process of basic science and engineering work products focused on fulfilling the project quality requirements defined in the Project Management Plan (PMP). The home district shall manage DQC in accordance with MVD and district Quality Management Plan. Any discrepancies between a reviewer and a Project Delivery Team (PDT) member will be resolved face-to-face. If a concern cannot be satisfactorily resolved between the DQC team and the PDT, it will be elevated to the section supervisor for further resolution. [The document to be reviewed is the Detailed Project Report. DQC will be performed prior to the initiation of ATR. The quality control/technical reviewers have been selected from a pool of reviewers from the appropriate technical elements. DQC team members were not directly involved in the production of the work products. The team is comprised of the selected disciplines that have experience in the type of analysis in which they are responsible for reviewing. The DQC team is identified in Attachment 1.](#)

5. Agency Technical Review (ATR).

One ATR is mandatory for all decision documents (including supporting data, analyses, environmental compliance documents, etc.), however additional ATRs may be performed if deemed warranted. ATR shall be documented and discussed at the Alternative Formulation Briefing (AFB) milestone. Certification of the ATR will be provided prior to the District Commander signing the final report. ATR is managed within USACE by the designated RMO (MVD) and is conducted by a qualified team from outside the home district that is not involved in the day-to-day production of the project/product. ATR teams will be comprised of senior USACE personnel. The ATR team lead will be from within the home MSC.

a. Products to Undergo ATR. ATR will be performed throughout the project in accordance with the District and MVD Quality Management Plans. Products to undergo ATR include: [Detailed Project Report](#).

b. Required ATR Team Expertise. [The following table provides the types of disciplines that should be included on the ATR team.](#)

ATR Team Members/Disciplines	<i>Expertise Required</i>
ATR Lead	The ATR lead should be a senior professional preferably with experience in preparing Section 1135 documents and conducting ATR. The lead should also have the necessary skills and experience to lead a virtual team through the ATR process. Typically, the ATR lead will also serve as a reviewer for a specific discipline (such as planning, economics, environmental resources, etc). The ATR Lead MUST be from outside Memphis District.
Planning	The Planning reviewer should be a senior water resources planner with experience in environmental restoration and general planning policy.
Economics	The economist reviewer will be an expert in the field of economics with experience valuing benefits for ecosystem restoration.
Environmental Resources	The environmental reviewer should be an expert in the National Environmental Policy Act process and agency planning and coordination.
Hydrology & Hydraulic Engineering	The hydraulic engineering reviewer will be an expert in the field of hydraulics and have a thorough understanding of open channel

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	dynamics, application of culverts, weirs, etc. Should understand computer modeling techniques such as HEC-RAS, etc.
Civil Engineering	The civil design reviewer should be a senior engineer with expertise in water resources projects and environmental restoration.
Cost Engineering	Cost DX Staff or Cost DX Pre-Certified Professional with experience preparing cost estimates for environmental restoration projects.
Cultural Resources	The cultural resources reviewer will be an expert in his field with local knowledge of pertinent cultural resource's issues.

c. 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. Any editorial comments should be provided informally by email to the PDT.

6. Independent External Peer Review (IEPR).

In accordance with the Director of Civil Works' Policy Memorandum#1, 19 January 2011, and MVD Review Procedures for CAP Memorandum, dated 5 April 2011, CAP Section 1135 projects are excluded from Type I IEPR, and a Type II IEPR is not anticipated to be required in the design and implementation phase, but this will need to be verified and documented in the review plan or review plan amendments prepared for the design and implementation phase of the project.

7. Policy And Legal Compliance Review.

All decision documents will be reviewed throughout the study process for their compliance with law and policy. Guidance for policy and legal compliance reviews is addressed in Appendix H, ER 1105-2-100. 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 MVD 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.

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

For CAP projects, ATR of the costs may be conducted by pre-certified district cost personnel within the region or by the Walla Walla Cost DX. The pre-certified list of cost personnel has been established and is maintained by the Cost DX at <https://kme.usace.army.mil/EC/cost/CostAtr/default.aspx>. The cost ATR member will coordinate with the Cost DX for execution of cost ATR and cost certification. The Cost DX will be responsible for final cost certification and may be delegated at the discretion of the Cost DX.

9. Model Certification And Approval.

Approval of planning models under EC 1105-2-412 is not required for CAP projects. MSC commanders remain responsible for assuring the quality of the analyses used in these projects. ATR will be used to ensure that models and analyses are compliant with Corps policy, theoretically sound, computationally accurate, transparent, described to address any limitations of the model or its use, and documented in study reports.

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EC 1105-2-412 does not cover engineering models used in planning. The responsible use of well-known and proven USACE developed and commercial engineering software will continue and the professional practice of documenting the application of the software and modeling results will be followed. As part of the USACE Scientific and Engineering Technology (SET) Initiative, many engineering models have been identified as preferred or acceptable for use on Corps studies and these models should be used whenever appropriate. The selection and application of the model and the input and output data is still the responsibility of the users and is subject to DQC, ATR, and IEPR (if required).

Planning and Engineering Models. The following models are anticipated to be used in the development of the decision document:

Model Name and Version	Brief Description of the Model and How It Will Be Applied in the Study
HEC-RAS & HEC-1	These are standard engineering models used to calculate peak flows and flowlines.
IWR Planning Suite	IWR Planning Suite assists with plan formulation by combining user-defined solutions to planning problems and calculating the effects of each combination, or “plan.” The program can assist with plan comparison by conducting cost effectiveness and incremental cost analyses, identifying the plans which are best financial investments and displaying the effects of each on a range of decision variables.

10. Review Schedules And Costs.

ATR Schedule and Cost. The ATR is scheduled to start in May 2015 and will take six weeks. The ATR schedule and budget includes participation of the ATR Lead in the AFB milestone conference to address the ATR process and any significant and/or unresolved ATR concerns.

11. Public Participation.

State and Federal resource agencies may be invited to participate in the study covered by this review plan as partner agencies or as technical members of the PDT, as appropriate. The public will have a chance to participate in venues such as the Mississippi River Commission bi-annual meetings. The public may view the Detailed Project Report after it is complete, and upon request. The Approved Review plan will be placed onto the Memphis District internet web site. There will be a public comment submission venue established from that web site. The web site will be available also through links to the Memphis District web site from the Corps of Engineers Headquarter web site.

12. Review Plan Approval And Updates.

The Chief of Planning is responsible for approving this review plan and ensuring that use of the MVD Model Review Plan is appropriate for the specific project covered by the plan. Approval reflects vertical team input (involving district, MSC, RMO, and HQUSACE members) as to the appropriate scope and level of review for the decision document. The review plan is a living document and may change as the study progresses. The home district is responsible for keeping the review plan up to date. Minor changes to the review plan since the last MVD approval are documented in Attachment 2. Significant changes to the review plan (such as changes to the scope and/or level of review) should be reapproved by MVD following the process used for initially approving the plan. Significant changes may result in MVD determining that use of the MVD Model Review Plan is no longer appropriate. In these cases, a project specific review plan will be prepared and approved in accordance with EC 1165-2-214. The latest

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version of the review plan, along with the MVD approval memorandum, will be posted on the home district's webpage.

13. Review Plan Points Of Contact.

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

- Jackie Whitlock, CAP Program Manager, 901-544-3832
- Sarah Palmer, MVD District Support Team, 601-634-5910

REVIEW PLAN
Mound City, Lower Cache, IL, Section 1135

Attachment 1: Team Rosters

Product Delivery Team

Name	Role	Phone Number	E-mail
Jason Allmon	Project Manager	901-544-0766	Jason.E.Allmon@us.army.mil
Jordan Bledsoe	Civil Designer	901-544-0726	Jordan.H.Bledsoe@usace.army.mil
Norman "Chip" Newman	Geotechnical Engineer	901-544-3815	Norman.E.Newman@usace.army.mil
Jeromy Carpenter	Cost & Relocations	901-544-0810	Jeromy.G.Carpenter@usace.army.mil
Carl Seckt	Hydrology	901-544-0675	Carl.E.Seckt@usace.army.mil
Leonard Pitcher	Fishery And Wildlife Biologist	901-544-0705	Leonard.J.Pitcher@usace.army.mil
Ron Alexander	Real Estate	901-544-4275	Ronald.D.Alexander@usace.army.mil
Gigi Coulson	Plan Formulation	504-862-1095	Getrisc.Coulson@usace.army.mil
Kenneth Beech	Program Analyst	901-544-0689	Kenneth.D.Beech2usace.army.mil
Robert Learned	Economist	901-544-0742	Robert.Learned@usace.army.mil

DQC Team

Name	Role	Phone Number	E-mail
Donald "Shane" Callahan	Civil Engineer	901-544-3665	Donald.S.Callahan@usace.army.mil
Jacob "Jake" Brown	Geotechnical Engineer	901-544-3922	Jacob.W.Brown@usace.army.mil
Conrad Stacks	Relocations	901-544-0657	Conrad.R.Stacks@us.army.mil
Kevin Keller	Cost Engineering	901-544-0678	Kevin.L.Keller@us.army.mil
Robert Hunt	Hydrology	901-544-0875	Robert.L.Hunt@usace.army.mil
Mark Smith	Upper Delta Env Compliance Branch	901-544-0670	Mark.Smith@usace.army.mil
Ronald "Shawn" Phillips	Planning	901-544-3321	Shawn.Phillips@usace.army.mil
Terry Baldridge	Economics	601-631-5609	Terry.R.Baldridge@usace.army.mil

ATR Team

Name	Organization	Credentials	Years of Experience	Phone Number	E-mail
ATR Lead					
	Planning				
	Economics				
	Environmental Resources				
	Hydrology & Hydraulic Engineering				
	Civil Engineering				
	Cost Engineering				
	Cultural Resources				

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Attachment 2: Review Plan Revisions

Revision Date	Description of Change	Page/Paragraph Number

REVIEW PLAN
Mound City, Lower Cache, IL, Section 1135

ATTACHMENT 3: SAMPLE STATEMENT OF TECHNICAL REVIEW FOR DECISION DOCUMENTS

COMPLETION OF AGENCY TECHNICAL REVIEW

The Agency Technical Review (ATR) has been completed for the <type of product> for <project name and location>. The 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, 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 (DQC) 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 DrCheckssm.

SIGNATURE

Name
ATR Team Leader
Office Symbol/Company

Date

SIGNATURE

Name
Project Manager
Office Symbol

Date

SIGNATURE

Name
Architect Engineer Project Manager¹
Company, location

Date

SIGNATURE

Name
Review Management Office Representative
Office Symbol

Date

CERTIFICATION OF AGENCY TECHNICAL REVIEW

Significant concerns and the explanation of the resolution are as follows: Describe the major technical concerns and their resolution.

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

SIGNATURE

Name
Chief, Engineering Division
Office Symbol

Date

SIGNATURE

Name
Chief, Planning Division
Office Symbol

Date

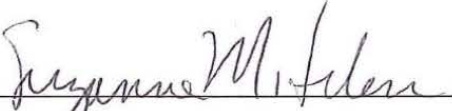
¹ Only needed if some portion of the ATR was contracted

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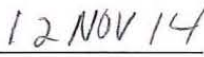
Attachment 4: Certificate of Legal Review

CERTIFICATE OF LEGAL REVIEW

This Review Plan and all associated documents have been fully reviewed by the Office of Counsel, Memphis District and is approved as legally sufficient.



Suzanne Mitchem , District Counsel



Date

REVIEW PLAN
Mound City, Lower Cache, IL, Section 1135

Attachment 5: Draft MSC Approval Memorandum

CEMVD-RBT

MEMORANDUM FOR: Commander, Memphis District (CEMVM-EC/Tom Minyard)
SUBJECT: Review Plan Mound City, Lower Cache, IL (P2# 325416)

1. References:
 - a. Memorandum, CEMVM, 26 dated, subject as above (Encl).
 - b. EC 1165-2-214, Civil Works Review Policy, 15 December 2012.
2. Reference 1.a. above has been prepared in accordance with reference 1.b. above.
3. The Review Plan (RP) has been coordinated with the Business Technical Division of the Mississippi Valley Division, which is the lead office to execute this plan. District Quality Control and Agency Technical Review are required for this project; however, Independent External Peer Review is not required.
4. I hereby approve this RP. This RP is subject to change as circumstances require, which is consistent with project development under the Project Management Business Process. Subsequent revisions to this RP or its execution will require new written approval from this office.
5. For further information, please contact Sarah Palmer, MVD Program Manager.

Encl

MICHAEL A. WEHR
Major General, USA
Commanding

REVIEW PLAN
Mound City, Lower Cache, IL, Section 1135

Attachment 6: MVD CAP Review Plan Checklist

Date:	
Originating District:	MVM
Project/Study Title:	Mound City, Lower Cache, IL, Section 1135
P2# and AMSCO#:	P2# 325416, Program Code 722
District POC:	Jackie Whitlock
MSC Reviewer:	
CAP Authority:	1135
Other Program Directed to follow CAP Processes:	

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
1. Is the Review Plan (RP) for a Continuing Authorities Project? Or Other Program Directed to follow CAP Processes?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" 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), Agency Technical Review (ATR), and Independent External Peer Review (IEPR) if applicable for Sec 103 or Sec 205?	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.	
Comments:	

REVIEW PLAN
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<p>2. Is the RP detailed enough to assess the necessary level and focus of the reviews?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>3. Does the RP define the appropriate level of review for the project/study?</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>c. Does it state whether IEPR will be performed? For Sec 103 and Sec 205, see additional questions in 5. below.</p> <p>Comments:</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>4. Does the RP explain how ATR will be accomplished?</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? <i>It states that the leader cannot be from Memphis.</i></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>Comments: Per EC 1165-2-214, Appendix B, Paragraph 6.a, reviewer names should not be listed in the posted approved review plan. Additionally, the RMO determines the list of ATR reviewers per Appendix B, paragraph 4.K. (1). Therefore MVM would not have that list in this initial submittal. Suggested reviewers can be provided by MVM if needed.</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 checked="" type="checkbox"/></p>
<p>5. For Sec 103 and Sec 205 projects, does the RP explain how IEPR will be accomplished?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p>
<p>a. Is an exclusion being requested, requiring CG approval?</p> <p>b. Does it provide a defensible rationale for the decision on IEPR?</p> <p>c. If IEPR is required, does it state that IEPR will be managed by an Outside Eligible Organization, external to the Corps of Engineers?</p>	<p>a. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>b. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p> <p>c. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p>

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<p>d. If IEPR is required, does the RP indicate which PCX will manage the IEPR and whether any coordination with the PCX has occurred? Comments:</p>	<p>d. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p>
<p>6. Does the RP address review of sponsor in-kind contributions? As stated in Paragraph 3.d., no in-kind products are anticipated from the non-Federal sponsor.</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>
<p>7. Does the RP address how the review will be documented?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>a. Does the RP address the requirement to document ATR and IEPR comments using Dr Checks? b. Does the RP explain how the IEPR will be documented in a Review Report? c. Does the RP document how written responses to the IEPR Review Report will be prepared? c. Does the RP detail how the district will disseminate the final IEPR Review Report, USACE response, and all other materials related to the IEPR on the internet and include them in the applicable decision document? Comments:</p>	<p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> b. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/> c. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/> d. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/></p>
<p>8. Does the RP address Policy Compliance and Legal Review?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>9. Does the RP present the tasks, timing and sequence (including deferrals), and costs of reviews?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>a. Does it provide a schedule for ATR including review of the Alternative Formulation Briefing (AFB) materials and final report? b. Does it present the timing and sequencing for IEPR? c. Does it include cost estimates for the reviews? It includes an overall cost.</p>	<p>a. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> b. Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/> c. Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>
<p>10. Does the RP indicate the study will address Safety Assurance factors? Factors to be considered include:</p> <ul style="list-style-type: none"> ● Where failure leads to significant threat to human life ● Novel methods\complexity\ precedent-setting models\policy changing conclusions ● Innovative materials or techniques ● Design lacks redundancy, resiliency of robustness ● Unique construction sequence or acquisition plans ● Reduced\overlapping design construction schedule 	<p>Yes <input type="checkbox"/> No <input type="checkbox"/> n/a <input checked="" type="checkbox"/> Comments:</p>
<p>11. Does the RP address opportunities for public participation?</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>

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12. 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?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
13. Has the approval memorandum been prepared and does it accompany the RP?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Section II - Implementation Documents - N/A

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

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<p>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?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>7. Does the RP explain how the reviews will be documented?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>a. Does the RP address the requirement to document ATR comments using Dr Checks and Type II IEPR 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?</p> <p>b. Does the RP explain how the Type II IEPR will be documented in a Review Report?</p> <p>c. Does the RP document how written responses to the Type II IEPR Review Report will be prepared?</p> <p>d. Does the RP detail how the district/MVD will disseminate the final Type II IEPR Review Report, USACE response, and all other materials related to the Type II IEPR on the internet?</p>	<p>a. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>b. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>c. Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>d. Yes <input type="checkbox"/> No <input type="checkbox"/></p>
<p>8. Has the approval memorandum been prepared and does it accompany the RP?</p>	<p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>

Mound City, IL Lower Cache 1135 Review Plan

MVD Review Comments

November 21, 2014

MVM responded to Comments 26 Nov 2014

The EC referenced for review should be EC 1165-2-214. 209 has expired. The template needs to be updated, and the correct EC needs to be referenced in the Review Plan.

Response: Concur...correction was made.

1. Cover memo should be on official letterhead with attn: Rayford Wilbanks EC 1165-2-209 should be updated.

Response: Concur...correction was made.

2. Section 1c. Need to update anticipated date for PMP. It is already 2 months ago.

Response: Concur...PMP will be complete by 15 Apr 15. This is in agreement with the approved FID.

3. Section 3b. Is the NFS still a potential NFS?

Response: Yes, we are currently discussing the FCSA with the Cairo Drainage District.

4. Section 3c. challenge to find a sponsor? Why are we pursuing this without a sponsor?

Response: Concur...correction was made. The sponsor is the Cairo Drainage District.

5. Section 4. second added sentence. Should be "The quality control/technical reviewers..." QA is a division function. QC is the district function.

Response: Concur...correction was made.

6. Section 6. ATR Environmental Resources reviewer. Not so sure that the reviewer needs to be familiar with the specific species in the Cache River Basin. The report and EA should provide enough information for an experienced reviewer to understand the specific issues in that basin.

Response: Concur...deleted last sentence.

7. Section 9. Need to add IWR Plan for CE/ICA under models used. It is the certified model for this effort.

Response: Concur...IWR Plan for Cost Effective / Incremental Cost Analysis was added to this section.

8. Section 10. Remove second sentence and provide schedule.

Response: Concur...correction was made.

9. Section 12. Use MVD DST Chief. Use his title as Chief of Planning. Again, in this section, template needs to be updated to EC 1165-2-214.

Response: Concur...correction was made.

10. Section 13. ATR team organizations should match section 5b.

Response: Concur...corrections were made to provide agreement between the Sections.

11. Need an Economist to do the CE/ICA on the PDT and on the DQC and ATR to review use of CE/ICA.

Response: Concur...an Economist was added to the PDT, DQC and ATR teams.