Appendix 4.3.4

MMC Model Data Review Checklist

FY2023 Standard Operating Procedure for Dams and Levees

June 2022

Date	Principal Author	Comments
6/25/2012	MMC	Updates to procedures
4/1/2013	MMC	Technical Edit
02/09/2017	MMC	Transfer to template
10/23/2018	MMC	Annual Update
10/28/2019	MMC	Annual Update
6/30/2021	MMC	Annual Update

Hydraulics and Hydrology
Data Delivery Review Checklist and Report

Study Area:

NIDID or NLDID:

Assignment ID:

Review Completed by:

   Date:

Modeling Team Lead:

Modeler:

Data Transmittal Memo included ___

Model HEC-RAS version: ___

Please fill out and include any notes for each study area deliverable that is submitted by the H&H team to the GIS/Mapping team for mapping. Save this document in the model review folder for the respective study area. Each check must be filled out positively or negatively prior to sending data to mapping.

___ Download and unzip (if applicable) the data delivery folders

1. **FOLDER STRUCTURE CHECK:**

___ The data is structured according to 4.3.1 MMC File Schema.

   *If not, then re-organize the data to fit the correct folder structure

2. **GIS MODELING DATA:**

___ Y/N–Pre-Model vector data included

   For Dams:

   ___ Banklines

   ___ Centerline

   ___ Study Area

   For Levees:

   ___ Line of Protection

___ Y/N–Pre-Model raster data included

If N,

   ___ Archive DEM added to folder structure

___ Y/N–Was DEM updated after pre-model delivery

___ Y/N–Post-RAS data included

If Y,

   ___ Inundation data for all MMC scenarios included

   ___ Scenarios follow standard naming conventions

For each HEC-RAS scenario (dams only):

MH Breach

   ___ The data is projected in the MMC projection

   ___ Model data is ready for mapping, if not send back to modeler for revision

MH NonBreach

   ___ The data is projected in the MMC projection

   ___ Model data is ready for mapping, if not send back to modeler for revision

NH Breach

   ___ The data is projected in the MMC projection

   ___ Model data is ready for mapping, if not send back to modeler for revision

NH NonBreach

   ___ The data is projected in the MMC projection

   ___ Model data is ready for mapping, if not send back to modeler for revision

IH Breach

   ___ The data is projected in the MMC projection

   ___ Model data is ready for mapping, if not send back to modeler for revision

IH NonBreach

   ___ The data is projected in the MMC projection

___ Model data is ready for mapping, if not send back to modeler for revision

SS Breach

___ The data is projected in the MMC projection

___ Model data is ready for mapping, if not send back to modeler for revision

SS NonBreach

___ The data is projected in the MMC projection

___ Model data is ready for mapping, if not send back to modeler for revision

TAS Breach

___ The data is projected in the MMC projection

___ Model data is ready for mapping, if not send back to modeler for revision

TAS NonBreach

___ The data is projected in the MMC projection

___ Model data is ready for mapping, if not send back to modeler for revision

3. **GOOGLE DATA:**

___ Google earth folder is empty (no modeling Google earth files included)

4. **MAPPING DATA:**

___ GIS folder includes MMC_Metadata.doc

5. **RAS DATA (DAMS ONLY, IF NOT CHECKED, CONTACT MODELER):**

___ HEC-RAS .prj and supporting model files are included

___ Project name is appropriate for MMC product

___ Model file opens in HEC-RAS software

___ RAS plans named correctly

___ Description contains correct information and modeler contact information

___ Hydrograph output interval the same for all 10 scenarios

Interval time:___

___ Detailed Output interval the same for all 10 scenarios

Interval time:___

___ Hydrograph interval time appropriate to view dam breach

___ Model run animations look appropriate and complete

___ Model ready to export to GIS data

___ Breach times delivered in Hydraulic Model Report (HMR)

___Model animations show Breach at the same time as listed in the HMR

6. REFERENCE MATERIAL:

___ Y/N Reference material included

7. REPORTS:

___ Y/N HMR included

If N, contact Modeling Team Lead for report

___ Y/N Breach time included in HMR

If N, contact modeler for updated report

___ Y/N PMP for project included

8. REVIEW:

___ Y/N Modeling review included

If N, contact Modeling Team Lead for review status

___ Mapping review folder empty

9. NOTES:

List HEC-RAS breach times

List any additional notes that may be important to the mapping team.