



EXECUTIVE SUMMARY

Periodic Inspection Results for the Mississippi River - Clinton, Iowa, Local Flood Protection Project

The Clinton, Iowa Local Flood Protection Project (LFPP) is a federally authorized and non-federally operated and maintained urban flood protection project. The Clinton, Iowa Local Flood Protection Project was authorized by Congress in August 1968 (Public Law 90-483, 90th Congress).

The flood protection is located on the west (right descending) bank of the Mississippi River between river miles 514.0 and 520.7. The project was completed in 1984.

The City of Clinton is responsible for operating and maintaining the flood protection system.

The five year Periodic Inspection of the Clinton, IA LFPP occurred on December 8 and 9, 2009 and March 8 and 9, 2010. The local sponsor shows an active response to operation and maintenance of the project; however, some deficiencies were noted and actions are required. The overall system rating recommended by the contractor who conducted the inspection was unacceptable based on the deficiencies identified in the report.

The Rock Island District received comments from the Sponsor in response to the draft Periodic Inspection Report. Those comments and responses were considered during the levee risk analysis used to determine the final inspection rating. Several deficiencies were determined to be temporary conditions allowing the rating of the system to be appropriately based on an engineering determination of risk.

The Rock Island District has determined that the existing departures from USACE National standards identified during the Periodic Inspection result in an appropriate rating of the levee system as **Unacceptable**.

Issues that could impair the operation of the system and are in the most need of action:

- Numerous deficiencies were observed at the various pump stations regarding the operability of the pumps, maintenance practices of the equipment and general documentation.
- The Animal Control program needs improvement as burrows are present throughout the system.
- Undesirable vegetation is present within the vegetation-free zone of the levee system as defined by ETL 1110-2-571.
- Encroachments by local land owners and residents that occur along the project and could impact response during a flood event
- Depressions/rutting and loss of sod were noted at several locations on the clay levee sections.
- Vegetation, sediment and debris have accumulated in the drainage channel for Turtle and Carbarb Creeks.
- Several flap gates were obstructed by vegetation and debris.
- Portions of the flood walls had monolith joint separation greater than 4 inches and vegetation growing in the joints.

The next annual Inspection will be scheduled after October 2011, with periodic inspections currently scheduled every five years.