



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING - P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

April 12, 2002

COPY

Planning, Programs, and
Project Management Division

Mr. Mike Reed
Levee Commissioner
Sny Island Levee and Drainage District
P.O. Box 169
New Canton, Illinois 62356

Dear Mr. Reed:

This letter is to relate the findings of the technical review by the Rock Island District of the U.S. Army Corps of Engineers (Corps) of the data and analysis furnished by Klingner and Associates regarding the Sny Island Levee and Drainage District. The data and analysis was provided to determine if the Sny Island Levee and Drainage District qualifies for levee certification for National Flood Insurance Program (NFIP) purposes.

As part of the study, Klingner and Associates did an evaluation of interior flooding. Their report was evaluated by the Corps' Rock Island District and was found acceptable. The Levee District meets certification requirements as per the data, analysis, and inundation mapping supplied by Klingner and Associates. According to the data furnished, main-stem and tributary levees provide 3 feet of freeboard above the water-surface level of the base flood elevation (BFE) of the Mississippi River (*Upper Mississippi River Water Surface Profiles, River Mile 0.0 to River Mile 847.5*, published by the Technical Flood Plain Management Task Force in November 1979). It should be noted that updated Upper Mississippi River System Flow Frequency profiles will be published in March of 2003. It is anticipated that the March 2003 BFE will vary from that used in this certification evaluation.

The Corps' Rock Island District Geotechnical Branch evaluated the levee data according to the Corps' geotechnical guidelines. They did an on-site inspection, studied plotted cross-section surveys, reviewed seepage analysis computations, and evaluated the historic performance of the levee. They concluded that the levee passes the Corps' structural standards for NFIP certification for all Reaches 1, 2, 3, and 4, with the requirement that slope maintenance to be performed in Reach 2 by your organization (additional sand fill) from Station 1170+00 to Station 1332+00 be accomplished this spring/summer.

Based on the above studies and considerations, the Corps' Rock Island District has determined that the Sny Island Levee and Drainage District provides protection for a flood which has a 1-percent chance of occurrence in any given year, using the presently established BFE of the Mississippi River. The Rock Island District therefore has no objection to the certification of the levee system by Klingner and Associates under Federal Emergency Management Agency guidelines (44 CFR 65.10). The flooding source for this certification evaluation is the main stem Mississippi River. Please note that this statement does not constitute a warranty of performance, but rather the Corps' current position of the levee system's design adequacy, based on review of the information provided by Klingner and Associates.

Sincerely,

ORIGINAL SIGNED BY

Gary L. Loss, P.E.
Chief, Planning, Programs, and
Project Management Division

Copies Furnished:

Mr. Don Vonnahme
Illinois Department of Natural Resources
3215 Executive Park Drive
Springfield, Illinois 62703

Mr. Mike Klingner
Klingner & Associates, P.C.
616 North 24th Street
Quincy, Illinois 62301



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ATTENTION OF

DEPARTMENT OF THE ARMY
ROCK ISLAND DISTRICT, CORPS OF ENGINEERS
CLOCK TOWER BUILDING - P.O. BOX 2004
ROCK ISLAND, ILLINOIS 61204-2004

August 18, 2003

COPY

Planning, Programs, and
Project Management Division

Mr. William R. Blanton, Jr.
CFM, Project Officer
Hazard Study Branch
Emergency Preparedness and
Response Directorate
Washington, DC 20472

Dear Mr. Blanton:

This letter is provided in response to your letter dated July 7, 2003, regarding the certification processing for the Sny Island Levee and Drainage District (SILDD) levee system.

According to your letter, there are two options for levee certification: (1) "a Federal agency with responsibility for levee design must certify that the levee system has been adequately designed and constructed to provide protection against the 1% chance flood; or, (2) a party seeking recognition of such a levee system must provide data demonstrating that all requirements of 65.10(b) have been met." In this case, Klingner and Associates is the party that will be certifying that the SILDD levee system meets all requirements of 65.10(b), not the Corps of Engineers.

In 2002, Rock Island District did accomplish, per the Scope of Work (see Enclosure 1), a review of the SILDD levee system evaluation carried out by Klingner and Associates. Our review concluded that, based on the profiles published by the Technical Flood Plain Management Task Force of the Upper Mississippi River Basin Commission, dated November 1979, and the data, analysis, and inundation mapping supplied by Klingner and Associates, the SILDD levee system did meet the requirements for certification in accordance with 65.10(b) (see Enclosure 2).

Enclosure 3 provides information, per your request in paragraph 3, regarding the on-site inspection that was completed.

Should you have additional questions or concerns regarding this letter or our role in the SILDD levee system certification, please contact Mr. Marv Martens at telephone number 309/794-5222 or email marvin.r.martens@usace.army.mil.

Sincerely,



Gary L. Loss, P.E.
Chief, Planning, Programs, and
Project Management Division

Enclosures

Copies Furnished:

Mr. Mike Klingner
Klingner & Associates, P.C.
616 North 24th Street
Quincy, Illinois 62301 (with enclosures)

Mr. Mike Reed
Levee Commissioner
Sny Island Levee and Drainage District
490 North Main
P.O. Box 169
New Canton, Illinois 62356 (with enclosures)