Appendix H

Floodplain Documentation
Revised August 2013

Documents Included:

Missouri River Floodplain Analysis

Floodplain Development Permit
January 22, 2013

Joe Feldman, P.E., L.S.
Franklin County Highway Department
400 East Locust, Room 003A
Union, MO 63084

Re: Ameren – Labadie Power Plant
Missouri River Floodplain Analysis
Franklin County, Missouri

Dear Mr. Feldman,

We have received and reviewed the following documents from CDG Engineers:

- "Floodplain Analysis of the Missouri River for the Ameren Missouri Labadie Energy Center", dated November 11, 2012
- January 11, 2013 response to Comments

The purpose of CDG’s report is in support of a proposed coal waste landfill to be placed in the floodway of the Missouri River, just downstream of Ameren’s existing site. CDG defined an ineffective flow area, in which Ameren’s landfill will be located.

Based on the alignment of the ineffective area, the construction of the proposed landfill will result in a "No Rise" condition during flooding in the river.

As such, we concur the analysis and methodology provided by CDG Engineers to result in a "No Rise" condition within the river and recommend the approval of the No Rise certificate.

Our review did not include field verification of existing conditions, elevations, grades, and/or topography as shown on the plans, and we disclaim any responsibility for errors and omissions. The developer and his engineer are not relieved of any responsibility for correctness of the existing field conditions and the design of the project improvements because of our reviews and subsequent approval of the plans and specifications by the County.

If you have any questions or require further information, please feel free to call.

Sincerely,

Conrad Moore, P.E.

CSM:dkr

cc: Terry Entwistle, P.E., CFM (CDG)
    Mark Bircher, P.E., R.L.S., CFM (CDG)
    Kevin Gerhardt (Ameren)
    Craig Giesmann (Ameren)
    Doug Mauntel, P.E., (Andrews Engineering, Inc.)
    Karl Finke, P.E., (Andrews Engineering, Inc.)
FLOODPLAIN DEVELOPMENT PERMIT/APPLICATION

Application No. 120219

TO THE ADMINISTRATOR: The undersigned hereby makes application for a permit to develop in a floodplain. The work to be performed, including flood protection works, is as described below and in attachments hereto. The undersigned agrees that all such work shall be in accordance with the requirements of the Floodplain Management Ordinance and with all other applicable county/city ordinances, federal programs, and the laws and regulations of the State of Missouri.

**Ameren Missouri**

Owner or Agent

Date

**Not Determined**

Builder

Date

Address

10 LARADIE POWER PLANT RD, LARADIE, MO 63055

Address

(314) 554-2249

Phone

Phone

**SITE DATA**

1. Location: - 1/4; - 1/4; Section 17,20; Township 44N; Range 2E

   Street Address: 10 LARADIE POWER PLANT RD, LARADIE, MO 63055

2. Type of Development: Filling \( \times \) Grading \( \) Excavation \( \) Minimum Improvement

   Routine Maintenance \( \) Substantial Improvement \( \) New Construction \( \times \) Other

3. Description of Development: **CONSTRUCTION OF UTILITY WASTE LANDFILL**

   Premises: Structure Size \( N/A \) ft. By \( N/A \) ft. Area of Site \( 10,092,852 \) Sq Ft

   Principal Use **UTILITY WASTE STORAGE**

   Accessory Uses (storage, parking, etc.)

   Value of Improvement (fair market) \( \$14,000,000 \)

   Pre-Improvement/Assessed Value of Structure \( \$0 \)

   Property Located in a Designated FLOODWAY? Yes \( \checkmark \) No

   IF ANSWERED YES, CERTIFICATION MUST BE PROVIDED PRIOR TO THE ISSUANCE OF A PERMIT TO DEVELOP, THAT THE PROPOSED DEVELOPMENT WILL RESULT IN NO INCREASE IN THE BASE (100-YEAR) FLOOD ELEVATIONS.

   Property Located in a Designated Floodplain FRINGE? Yes \( \checkmark \) No

   Elevation of the 100-Year Flood (ID source) \( 482.5 \) - 483.5 FRANKLIN CO FIS, OCT 18, 2011 NAVD88

   Elevation of the Proposed Development Site \( 485 \) NGVD29 GROUND ELEVATION, HIGHEST POINT 544

   Local Ordinance Elevation/Floodproofing Requirement

   Other Floodplain Elevation Information (ID and describe source) \( N/A \)

   Other Permits Required?

   Corps of Engineers 404 Permit: Yes \( \checkmark \) No \( \) Provided

   State Department of Natural Resources 401 Permit: Yes \( \checkmark \) No \( \) Provided

   Environmental Protection Agency NPDES Permit: Yes \( \checkmark \) No \( \) Provided

All Provisions of Ordinance Number \( \) , the “Floodplain Management Ordinance”, shall be in Compliance.

**PERMIT APPROVAL/DENIAL**

Plans and Specifications Approved \( \checkmark \) this 19th Day of **March** 2013

Signature of Developer/Owner

BARBARA SMIT, MANAGING SUPERVISOR, REAL ESTATE

Print Name and Title

TO: KARIM FLOODPLAIN MANAGER

Print Name and Title

THIS PERMIT IS ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT FLOOR) OF ANY NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL BUILDING WILL BE ELEVATED 2 FOOT FEET ABOVE THE BASE FLOOD ELEVATION. IF THE PROPOSED DEVELOPMENT IS A NON-RESIDENTIAL BUILDING, THIS PERMIT IS ISSUED WITH THE CONDITION THAT THE LOWEST FLOOR (INCLUDING BASEMENT) OF A NEW OR SUBSTANTIALLY IMPROVED NON-RESIDENTIAL BUILDING WILL BE ELEVATED OR FLOODPROOFED 2 FOOT FEET ABOVE THE BASE FLOOD ELEVATION.

THIS PERMIT IS USED WITH THE CONDITION THAT THE DEVELOPER/OWNER WILL PROVIDE CERTIFICATION BY A REGISTERED ENGINEER, ARCHITECT, OR LAND SURVEYOR OF THE "AS- BUILT" LOWEST FLOOR (INCLUDING BASEMENT) ELEVATION OF ANY NEW OR SUBSTANTIALLY IMPROVED BUILDING COVERED BY THIS PERMIT.

This Permit is contingent upon Ameren UE Missouri (Missouri) November 28, 2007

Without the DNREC permit, this Approval Will Become NULL and VOID