

# 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.

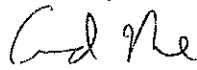
Based on the alignment of the ineffective area, the construction of the proposed landfill will result in a "No Rise" condition during flooding in the river.

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.)

RECEIVED

MAR 18 2013

FLOODPLAIN DEVELOPMENT PERMIT/APPLICATION

Application No. 120219

Date: \_\_\_\_\_ FRANKLIN COUNTY MO PLANNING & ZONING DEPT

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 Date \_\_\_\_\_ NOT DETERMINED Builder Date \_\_\_\_\_

10 LABADIE POWER PLANT RD. LABADIE, MO 63055 Address \_\_\_\_\_ Address \_\_\_\_\_

(314) 554-2249 Phone \_\_\_\_\_ Phone \_\_\_\_\_

SITE DATA

1. Location: \_\_\_\_\_ 1/4; \_\_\_\_\_ 1/4; Section 17, 20; Township 44N; Range 2E  
Street Address 10 LABADIE POWER PLANT RD. LABADIE, MO 63055

2. Type of Development: Filling  Grading \_\_\_\_\_ Excavation \_\_\_\_\_ Minimum Improvement \_\_\_\_\_  
Routine Maintenance \_\_\_\_\_ Substantial Improvement \_\_\_\_\_ New Construction  Other \_\_\_\_\_

3. Description of Development: CONSTRUCTION OF UTILITY WASTE LANDFILL

4. 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.) \_\_\_\_\_

5. Value of Improvement (fair market) \$ 14,000,000\* Pre-Improvement/Assessed Value of Structure \$ 0

6. Property Located in a Designated FLOODWAY? Yes  No \_\_\_\_\_  
\* COST ESTIMATE FOR FIRST PHASE  
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.

7. Property Located in a Designated Floodplain FRINGE? Yes  No \_\_\_\_\_

8. Elevation of the 100-Year Flood (ID source) 482.5 - 483.5 FRANKLIN CO FIS, OCT 18, 2011 NAVD88 NGVD/NAVD

9. Elevation of the Proposed Development Site 465 NGVD29 GROUND ELEVATION. HIGHEST POINT 564. NGVD29 NGVD/NAVD

10. Local Ordinance Elevation/Floodproofing Requirement N/A NGVD/NAVD

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

12. Other Permits Required? Corps of Engineer 404 Permit: Yes \_\_\_\_\_ No  Provided \_\_\_\_\_  
State Department of Natural Resources 401 Permit: Yes \_\_\_\_\_ No  Provided \_\_\_\_\_  
Environmental Protection Agency NPDES Permit: Yes \_\_\_\_\_ No  Provided \_\_\_\_\_

All Provisions of Ordinance Number \_\_\_\_\_, the "Floodplain Management Ordinance", shall be in Compliance.

PERMIT APPROVAL/DENIAL

Plans and Specifications Approved/Revised this 19th Day of MARCH, 2013

Barbara Skitt  
Signature of Developer/Owner

Tori Karim  
Authorizing Official

BARBARA SKITT, MANAGING SUPERVISOR, REAL ESTATE  
Print Name and Title

TORI 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 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.

II. THIS PERMIT IS CONTINGENT UPON AMEREN UE MISSOURI (MISSOURI) OBTAINING A "CONSTRUCTION PERMIT" FROM THE DEPARTMENT OF NATURAL RESOURCES. WITHOUT THE DNR PERMIT, THIS APPROVAL WILL BECOME NULL AND VOID. SCHEDULE GJG-ST1

OFFICE OF ZONING ENFORCEMENT  
Franklin County Courthouse  
Union, MO 63084