Appendix F

ABANDONMENT RECORDS FOR
GEOTECHNICAL BORINGS AND
CPT SOUNDINGS
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
ABANDONMENT REGISTRATION RECORD

STATE WELL NO.

PH 1 PH 2 PH 3

ENTERED APPROVED BY

REVENUE NO.

CHECK NO.

INFORMATION SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR

OWNER NAME
Ameran Missouri

OWNER ADDRESS
1901 Chouteau Ave.

ADDRESS OF WELL SITE (IF DIFFERENT THAN ABOVE)
226 Labadie Power Plant Rd, MC BLD-645

SITE NAME
Labadie Power Plant

SMALLEST LARGEST

See Remarks

LOCATION OF WELL
LAT. 38° 33' 43"

LONG. -90° 49' 0"

AREA 400 Acres

ELEV. 460' to 471'

COUNTY
Franklin

WELL CERTIFICATION NUMBER (IF APPLICABLE)
N/A (Soil Exploration Sounding)

VARIANCE NUMBER (IF APPLICABLE)
N/A

ABANDONMENT INFORMATION

FORMER USE OF WELL
□ Hand Dug □ Irrigation
□ Domestic □ Soils Boring/Geoprobe
□ Multi-Family □ Monitoring
□ Public Water Supply □ Heat Pump
□ Mineral Exploratory Test Hole
□ Soil/Vapor Frobse □ Other

ORIGINAL DRILLER (IF KNOWN)
Terra Drill, Inc.

DATE ORIGINALLY DRILLED
(Drift Known)
03-09-07 to 01-19-10

STATIC WATER LEVEL
10'-19'

DEPTH OF THE WELI
20' to 60'

LENGTH OF CASING
N/A

CASING DIAMETER
N/A

DRILL HOLE DIAMETER
8" Diameter

PUMP REMOVED FROM WELI?
□ Yes □ No

WAS THE CASING CUT OFF THREE FEET BELOW GROUND SURFACE?
□ Yes □ No

TYPE OF CASING
□ Plastic □ Concrete
□ Steel □ Other

GROUT INSTALLATION METHOD
□ Gravity □ Tremie □ Excavation
□ Neat Cement □ Bentonite □ Hi-Early □ Slurry □ Granular □ Pellets □ Type 1 □ Chips □ Other

NUMBER OF BAGS OF GROUT USED
N/A

POUNDS OF GROUT PER BAG
N/A

TYPE OF FILL MATERIAL USED
□ Gravel □ Ag-Lime □ Sand □ Other

AMOUNT OF FILL MATERIAL USED
N/A

DEPTH TO TOP OF FILL MATERIAL FROM THE SURFACE
0

MULITPLE WELLS
□ Yes □ No

WAS THE WELL ABANDONED BECAUSE OF HOOKING UP TO A PUBLIC OR RURAL WATER SUPPLY DISTRICT?
□ Yes □ No

IF YES, PROVIDE THE NAME OF THE WATER DISTRICT:

REMARKS
See DSI Report for identification of temporary borings. Borings caved to near surface fine grain material, granular bentonite was used to fill the boring to the surface in the fine grain portion of the lithology.

I hereby certify that the well herein described was plugged in accordance with Missouri Department of Natural Resources requirements for the plugging of wells.

SIGNATURE (PRIMARY CONTRACTOR)

SIGNATURE (CONTRACTOR)

SIGNATURE (APPRENTICE)

PERMIT NUMBER
004126 - M

DATE
3-31-2011

PERMIT NUMBER
00082 WMA

DATE
3-17-2011

DISTRIBUTION: WHITE = DIVISION CANARY = DRILLER PINK = OWNER
RETURN COMPLETED FORM TO: WELI HEAD PROTECTION SECTION, PO BOX 250, ROLLA, MO 65402 573-368-2165

MO 705-1605 (06-13)
MISSOURI DEPARTMENT OF NATURAL RESOURCES
GEOLOGICAL SURVEY PROGRAM
ABANDONMENT REGISTRATION RECORD

STATE WELL NO. ENTERED PH1 PH2 PH3

APPROVED BY

AMOUNT SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR

OWNER NAME
Ameren Missouri

TELEPHONE NUMBER WITH AREA CODE
314-557-2386

OWNER ADDRESS
1901 Chouteau Ave.

CITY
St. Louis

STATE
MO

ZIP CODE
63166

ADDRESS OF WELL SITE (IF DIFFERENT THAN ABOVE)
226 Labadie Power Plant Rd. MC LBD-645

CITY
Labadie

STATE
MO

ZIP CODE
63055

SITE NAME
Labadie Power Plant

WELL NUMBER
See Remarks

INFORMATION VERIFIED BY
OWNER SIGNATURE (WELL OWNER)
3/23/11

DATE

SMALLEST

LARGEST

1/4 1/4 1/4

Sec. Township North Range East West

17 44N 2E

LOCATION OF WELL
LAT. 38° 33' 43"

LONG. 90° 49' 0"

AREA 400 Acres
ELEV 460'-471'

COUNTY
Franklin

WELL CERTIFICATION NUMBER (IF APPLICABLE)
N/A (Soil Exploration Sounding)

VARAINCE NUMBER (IF APPLICABLE)
N/A

ABANDONMENT INFORMATION

FORMER USE OF WELL

Hand Dug ☐ Irrigation ☐

Domestic ☑ Soil Boring/Geoprobe ☐

Multi-Family ☐ Monitoring ☐

Public Water Supply ☐ Heat Pump ☐

Mineral Exploratory Test Hole ☐

Soil/Vapor Probe ☐ Other ______

ORIGINAL DRILLER (IF KNOWN)
Terra Drill, Inc.

DATE ORIGINALLY DRILLED (IF KNOWN)
03-12-07 to 11-02-09

STATIC WATER LEVEL
3'-14'

DEPTH OF THE WELL
35' to 107.6'

LENGTH OF CASING
N/A

CASING DIAMETER
N/A

DRILL HOLE DIAMETER (IF KNOWN)
8" Diameter

PUMP REMOVED FROM WELL?

Yes ☐ No ☑

WAS THE CASING CUT OFF THREE FEET BELOW GROUND SURFACE?

Yes ☐ No ☑

TYPE OF CASING

Plastic ☐ Concrete ☐

Steel ☐ Other ☐

N/A

HOW MANY GALLONS OF WATER MIXED PER BAG OF CEMENT OR BENTONITE?

6

NUMBER OF BAGS OF GROUT USED

25

POUNDS OF GROUT PER BAG

94

TYPE OF FILL MATERIAL USED

Gravel ☐ Ag-Lime ☐

Sand ☐ Other ☐

N/A

AMOUNT OF FILL MATERIAL USED

Cu. Yds. ☐ Tons ☐

N/A

DEPTH TO TOP OF FILL MATERIAL FROM SURFACE

2'

MULTIPLE WELLS

Yes ☐ No ☑

WAS THE WELL ABANDONED BECAUSE OF HOOKING UP TO A PUBLIC OR RURAL WATER SUPPLY DISTRICT?

Yes ☐ No ☐

IF YES, PROVIDE THE NAME OF THE WATER DISTRICT:

REMARKS
Borings B-7, B-10, B-13, B-14, and B-100 were grouted full depth with "Neat Cement Grout" due to the proximity of the levee or because the boring was 100' or deeper.

I hereby certify that the well herein described was plugged in accordance with Missouri Department of Natural Resources requirements for the plugging of wells.

SIGNATURE (PRIMARY CONTRACTOR)

Signature

PERMIT NUMBER
004126 - M

DATE
3-21-2011

SIGNATURE (CONTRACTOR)

Signature

PERMIT NUMBER
0029920

DATE
3-17-2011

SIGNATURE (APPRENTICE)

Signature

DISTRIBUTION: WHITE - DIVISION CANARY - DRILLER PINK - OWNER
RETURN COMPLETED FORM TO: WELLHEAD PROTECTION SECTION, PO BOX 250, ROLLA, MO 65402 573-368-2165
**MISSOURI DEPARTMENT OF NATURAL RESOURCES**
**GEOLOGICAL SURVEY PROGRAM**
**ABANDONMENT REGISTRATION RECORD**

<table>
<thead>
<tr>
<th>STATE WELL NO.</th>
<th>ENTERED</th>
<th>APPROVED BY</th>
<th>REVENUE No.</th>
<th>CHECK No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ph 1</td>
<td>Ph 2</td>
<td>Ph 3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**INFORMATION SUPPLIED BY WELL OR PUMP INSTALLATION CONTRACTOR**

<table>
<thead>
<tr>
<th>OWNER NAME</th>
<th>TELEPHONE NUMBER WITH AREA CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ameren Missouri</td>
<td>514-754-2388</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>OWNER ADDRESS</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1901 Chouteau Ave.</td>
<td>St. Louis</td>
<td>MO</td>
<td>63166</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ADDRESS OF WELL SITE (IF DIFFERENT THAN ABOVE)</th>
<th>CITY</th>
<th>STATE</th>
<th>ZIP CODE</th>
</tr>
</thead>
<tbody>
<tr>
<td>226 Labadie Power Plant Rd. MC LBD-845</td>
<td>Labadie</td>
<td>MO</td>
<td>63055</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SITE NAME</th>
<th>WELL NUMBER</th>
<th>INFORMATION SUPPLIED BY OWNER SIGNATURE (WELL)</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Labadie Power Plant</td>
<td>See Remarks</td>
<td></td>
<td>3/23/11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SMALLEST</th>
<th>LARGEST</th>
<th>LOCATION OF WELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>¼</td>
<td>¼</td>
<td>LAT. 38° 33' 43''</td>
</tr>
<tr>
<td>Sec.</td>
<td>Township</td>
<td>LONG. 80° 49' 00''</td>
</tr>
<tr>
<td>17</td>
<td>Range</td>
<td>AREA 400 Acres</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ELEV 460'-471'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>WELL CERTIFICATION NUMBER (IF APPLICABLE)</th>
<th>VARIANCE NUMBER (IF APPLICABLE)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A (Soil Exploration Sounding)</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**ABANDONMENT INFORMATION**

<table>
<thead>
<tr>
<th>FORMER USE OF WELL</th>
<th>ORIGINAL DRILLER (IF KNOWN)</th>
<th>DATE ORIGINALLY DRILLED (IF KNOWN)</th>
<th>STATIC WATER LEVEL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Terra Drill, Inc.</td>
<td>10-22-09 to 12-28-09</td>
<td>0.25'-17.25'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DEPTH OF THE WELL</th>
<th>LENGTH OF CASING</th>
<th>CASING DIAMETER</th>
<th>DRILL HOLE DIAMETER (IF KNOWN)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19' to 65'</td>
<td>None Installed</td>
<td>None Installed</td>
<td>1.5' Diameter</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PUMP REMOVED FROM WELL?</th>
<th>WAS THE CASING CUT OFF THREE FEET BELOW GROUND SURFACE?</th>
<th>TYPE OF CASING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>N/A</td>
<td>Plastic</td>
</tr>
<tr>
<td>No</td>
<td>N/A</td>
<td>Concrete</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>GROUP INSTALLATION METHOD</th>
<th>GROUP MATERIAL USED</th>
<th>HOW MANY GALLONS OF WATER MIXED PER BAG OF CEMENT OR BENTONITE?</th>
<th>NUMBER OF BAGS OF GROUT USED</th>
<th>POUNDS OF GROUT PER BAG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravity</td>
<td>Neat Cement</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Tremie</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Excavation</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TYPE OF FILL MATERIAL USED</th>
<th>AMOUNT OF FILL MATERIAL USED</th>
<th>DEPTH TO TOP OF FILL MATERIAL FROM THE SURFACE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel</td>
<td>Varies</td>
<td>0</td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MULTIPLE WELLS</th>
<th>WELL CHLORINATED BEFORE PLUGGING?</th>
<th>AMOUNT USED FOR THE CHLORINATION</th>
<th>DATE WELl WAS PLUGGED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yes</td>
<td>N/A</td>
<td>Gallons of Chlorine</td>
<td>Same date it was drilled</td>
</tr>
<tr>
<td>No</td>
<td></td>
<td>Pounds of Chlorine</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tablets of Chlorine</td>
<td></td>
</tr>
</tbody>
</table>

| REASON WELL WAS PLUGGED | |
|--------------------------| |
| The holes were temporary CPT sounding, used to obtain geotechnical data. |

**REMARKS**

Probe holes caved to near surface fine grain material, granular bentonite was used to fill hole in fine grain material to surface. See DSI Report for identification of temporary CPT soundings.

I hereby certify that the well herein described was plugged in accordance with Missouri Department of Natural Resources requirements for the plugging of wells.

<table>
<thead>
<tr>
<th>SIGNATURE (PRIMARY CONTRACTOR)</th>
<th>PERMIT NUMBER</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COOH126-M</td>
<td>5-21-2011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIGNATURE (CONTRACTOR)</th>
<th>PERMIT NUMBER</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>COOH126-M</td>
<td>5-21-2011</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SIGNATURE (APPRENTICE)</th>
<th>PERMIT NUMBER</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>