



|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|-----------------------------------------------------|---------------|-------------------------------------------------------------|-------|-----------------------------------|----------------|----------------------|----|-------------------------------------|----|-----------------------------------|-----|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|--|
| BECHTEL PROJECT NO.: 25161                          |               |                                                             |       | MACTEC PROJECT NO.: 6468-09-2473  |                |                      |    | COUNTY: Louisa, VA                  |    |                                   |     | GEOLOGIST: K. Lloyd |                                                                                                                                                                                                                                                |      |  |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |                                                             |       |                                   |                |                      |    | DRILLER: D. White/O. Smith          |    |                                   |     | FLUID LEVEL (ft)    |                                                                                                                                                                                                                                                |      |  |
| BORING NO.: M-14                                    |               |                                                             |       | DRILL METHOD: Mud Rotary          |                |                      |    | DRILL MACHINE: CME-55LC Track (RAL) |    |                                   |     | 0 HR.               |                                                                                                                                                                                                                                                | ND   |  |
| GROUND ELEV.: 323.8 ft (NAVD88)                     |               |                                                             |       | NORTHING: 3,909,452 US ft (NAD83) |                |                      |    | EASTING: 11,686,111 US ft (NAD83)   |    |                                   |     | 24 HR.              |                                                                                                                                                                                                                                                | ND   |  |
| TOTAL DEPTH: 60.3 ft                                |               | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |       |                                   |                |                      |    | ROD TYPE: AWJ                       |    | HAMMER (ID):140-lb. Auto (MEC-02) |     |                     |                                                                                                                                                                                                                                                |      |  |
| DATE STARTED: 9/24/09                               |               | COMPLETED: 9/24/09                                          |       | HOLE DIA.: 3"                     |                | CASING DEPTH: 8.6 ft |    | CORE SIZE: NA                       |    | BITS USED: 2-7/8" Tri-Cone        |     |                     |                                                                                                                                                                                                                                                |      |  |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT                                                  |       |                                   | BLOWS PER FOOT |                      |    |                                     |    | SAMP.<br>NO.                      | MOI | L<br>O<br>G         | SOIL AND ROCK DESCRIPTION                                                                                                                                                                                                                      |      |  |
|                                                     |               | 0.5ft                                                       | 0.5ft | 0.5ft                             | 0              | 20                   | 40 | 60                                  | 80 | 100                               |     |                     |                                                                                                                                                                                                                                                |      |  |
| 323.8                                               |               |                                                             |       |                                   | Ground Surface |                      |    |                                     |    |                                   |     |                     | 323.8                                                                                                                                                                                                                                          | 0.0  |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
| 314.9                                               | 8.9           |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     | 314.9                                                                                                                                                                                                                                          | 8.9  |  |
| 312.5                                               | 11.3          | 5                                                           | 5     | 5                                 |                |                      |    |                                     |    | SS-1                              |     |                     | RESIDUAL SOIL: Silty SAND (SM), brownish yellow (10YR 6/8), loose, moist, fine to coarse grained sand, little mica, few quartz rock fragments, relict rock fabric<br>11.3 ft: Medium dense<br>13.9 ft: Light yellowish brown (10YR 6/4), loose |      |  |
| 309.9                                               | 13.9          | 4                                                           | 5     | 6                                 |                |                      |    |                                     |    | SS-2                              |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 4                                                           | 4     | 6                                 |                |                      |    |                                     |    | SS-3                              |     |                     |                                                                                                                                                                                                                                                |      |  |
| 304.9                                               | 18.9          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 5                                                           | 8     | 9                                 |                |                      |    |                                     |    | SS-4                              |     |                     | 18.9 ft: Brownish yellow (10YR 6/8), medium dense, few to little mica                                                                                                                                                                          |      |  |
| 300.0                                               | 23.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 7                                                           | 7     | 7                                 |                |                      |    |                                     |    | SS-5                              |     |                     | 23.8 ft: Brownish yellow (10YR 6/6), trace to few mica                                                                                                                                                                                         |      |  |
| 295.0                                               | 28.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 7                                                           | 11    | 13                                |                |                      |    |                                     |    | SS-6                              |     |                     | 28.8 ft: Brownish yellow (10YR 6/8)                                                                                                                                                                                                            |      |  |
| 290.0                                               | 33.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 4                                                           | 5     | 6                                 |                |                      |    |                                     |    | SS-7                              |     |                     | 33.8 ft: Light brownish gray (10YR 6/2), fine grained sand                                                                                                                                                                                     |      |  |
| 285.0                                               | 38.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 6                                                           | 8     | 7                                 |                |                      |    |                                     |    | SS-8                              |     |                     | 38.8 ft: Light brownish gray (10YR 6/2) and grayish brown (10YR 5/2), little to some mica                                                                                                                                                      |      |  |
| 280.0                                               | 43.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 4                                                           | 6     | 7                                 |                |                      |    |                                     |    | SS-9                              |     |                     | 43.8 ft: Grayish brown (10YR 5/2)                                                                                                                                                                                                              |      |  |
| 275.0                                               | 48.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 5                                                           | 6     | 9                                 |                |                      |    |                                     |    | SS-10                             |     |                     | 48.8 ft: Yellowish brown (10YR 5/6)                                                                                                                                                                                                            |      |  |
| 270.0                                               | 53.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 3                                                           | 6     | 18                                |                |                      |    |                                     |    | SS-11                             |     |                     | 53.8 ft: Brownish yellow (10YR 6/8), fine to coarse grained sand                                                                                                                                                                               |      |  |
| 265.0                                               | 58.8          |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               | 13                                                          | 40    | 50                                |                |                      |    |                                     |    | SS-12                             |     |                     | 58.8 ft: Grayish brown (10YR 5/2), very dense, some mica, little quartz rock fragments<br>Boring terminated at 60.3 feet.                                                                                                                      |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     | 263.5                                                                                                                                                                                                                                          | 60.3 |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |
|                                                     |               |                                                             |       |                                   |                |                      |    |                                     |    |                                   |     |                     |                                                                                                                                                                                                                                                |      |  |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09



|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            |                                                                                                                                            |  |      |  |  |
|-----------------------------------------------------|-------|------------|-------------------------------------------------------------|-------|-----------------------------------|---------------|----|----|----------------------|------------------------------------|-------|---------------|-----------------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|------|--|--|
| BECHTEL PROJECT NO.: 25161                          |       |            |                                                             |       | MACTEC PROJECT NO.: 6468-09-2473  |               |    |    |                      | COUNTY: Louisa, VA                 |       |               |                                   |                            | GEOLOGIST: B. Mabie                                                                                                                        |  |      |  |  |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |       |            |                                                             |       |                                   |               |    |    |                      | DRILLER: D. Rhodes/K. Guy          |       |               |                                   |                            | FLUID LEVEL (ft)                                                                                                                           |  |      |  |  |
| BORING NO.: M-15                                    |       |            |                                                             |       | DRILL METHOD: Mud Rotary          |               |    |    |                      | DRILL MACHINE: CME-45C Track (RAL) |       |               |                                   |                            | 0 HR.                                                                                                                                      |  | 13.4 |  |  |
| GROUND ELEV.: 311.3 ft (NAVD88)                     |       |            |                                                             |       | NORTHING: 3,909,531 US ft (NAD83) |               |    |    |                      | EASTING: 11,686,166 US ft (NAD83)  |       |               |                                   |                            | 24 HR.                                                                                                                                     |  | NA   |  |  |
| TOTAL DEPTH: 60.0 ft                                |       |            | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |       |                                   |               |    |    |                      | ROD TYPE: AWJ                      |       |               | HAMMER (ID):140-lb. Auto (MEC-12) |                            |                                                                                                                                            |  |      |  |  |
| DATE STARTED: 9/28/09                               |       |            | COMPLETED: 9/28/09                                          |       |                                   | HOLE DIA.: 3" |    |    | CASING DEPTH: 9.0 ft |                                    |       | CORE SIZE: NA |                                   | BITS USED: 2-7/8" Tri-Cone |                                                                                                                                            |  |      |  |  |
| ELEV.                                               | DEPTH | BLOW COUNT |                                                             |       | BLOWS PER FOOT                    |               |    |    |                      |                                    | SAMP. | MOI           | LOG                               | SOIL AND ROCK DESCRIPTION  |                                                                                                                                            |  |      |  |  |
| (ft)                                                | (ft)  | 0.5ft      | 0.5ft                                                       | 0.5ft | 0                                 | 20            | 40 | 60 | 80                   | 100                                | NO.   |               |                                   |                            |                                                                                                                                            |  |      |  |  |
| 311.3                                               |       |            |                                                             |       | Ground Surface                    |               |    |    |                      |                                    |       |               |                                   | 311.3                      | 0.0                                                                                                                                        |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            | No sampling from 0.0 to 8.5 feet due to soft dig utility clearance by Dominion Personnel                                                   |  |      |  |  |
| 302.8                                               | 8.5   |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   | 302.8                      | 8.5                                                                                                                                        |  |      |  |  |
| 300.7                                               | 10.6  | 2          | 2                                                           | 3     |                                   |               |    |    |                      |                                    | SS-1  |               |                                   |                            | RESIDUAL SOIL: Silty SAND (SM), pale brown (10YR 6/3), loose, moist, fine to coarse grained sand, few mica, relict rock fabric             |  |      |  |  |
| 298.6                                               | 12.7  | 2          | 3                                                           | 3     |                                   |               |    |    |                      |                                    | SS-2  |               |                                   |                            |                                                                                                                                            |  |      |  |  |
| 296.1                                               | 15.2  | 2          | 3                                                           | 4     |                                   |               |    |    |                      |                                    | SS-3  |               |                                   |                            | 18.5 ft: Medium dense                                                                                                                      |  |      |  |  |
| 292.8                                               | 18.5  | 3          | 3                                                           | 3     |                                   |               |    |    |                      |                                    | SS-4  |               |                                   |                            |                                                                                                                                            |  |      |  |  |
|                                                     |       | 5          | 4                                                           | 7     |                                   |               |    |    |                      |                                    | SS-5  |               |                                   |                            | 23.5 ft: Very pale brown (10YR 7/4), trace mica                                                                                            |  |      |  |  |
| 287.8                                               | 23.5  | 8          | 7                                                           | 8     |                                   |               |    |    |                      |                                    | SS-6  |               |                                   |                            |                                                                                                                                            |  |      |  |  |
| 282.8                                               | 28.5  | 7          | 8                                                           | 10    |                                   |               |    |    |                      |                                    | SS-7  |               |                                   |                            | 33.5 ft: Light yellowish brown (10YR 6/4)                                                                                                  |  |      |  |  |
| 277.8                                               | 33.5  | 13         | 10                                                          | 12    |                                   |               |    |    |                      |                                    | SS-8  |               |                                   |                            |                                                                                                                                            |  |      |  |  |
| 272.8                                               | 38.5  | 13         | 16                                                          | 13    |                                   |               |    |    |                      |                                    | SS-9  |               |                                   |                            | 38.5 ft: Yellowish brown (10YR 5/6)                                                                                                        |  |      |  |  |
| 267.8                                               | 43.5  | 31         | 35                                                          | 30    |                                   |               |    |    |                      |                                    | SS-10 |               |                                   |                            |                                                                                                                                            |  |      |  |  |
| 262.8                                               | 48.5  | 48         | 52/0.4                                                      |       |                                   |               |    |    |                      |                                    | SS-11 |               |                                   | 264.3                      | 47.0                                                                                                                                       |  |      |  |  |
| 257.8                                               | 53.5  | 38         | 44                                                          | 45    |                                   |               |    |    |                      |                                    | SS-12 |               |                                   | 259.3                      | 52.0                                                                                                                                       |  |      |  |  |
| 252.8                                               | 58.5  | 23         | 24                                                          | 36    |                                   |               |    |    |                      |                                    | SS-13 |               |                                   |                            | RESIDUAL SOIL: Silty SAND (SM), yellowish brown (10YR 5/6), very dense, moist, fine to coarse grained sand, trace mica, relict rock fabric |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            |                                                                                                                                            |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   | 251.3                      | 60.0                                                                                                                                       |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            | Boring terminated at 60.0 feet.                                                                                                            |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            | Boring closed by tremie method with cement-bentonite grout.                                                                                |  |      |  |  |
|                                                     |       |            |                                                             |       |                                   |               |    |    |                      |                                    |       |               |                                   |                            | No 24 HR fluid level because boring grouted same day boring drilled.                                                                       |  |      |  |  |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09



## GEOTECHNICAL BORING LOG

Prepared By JJS Date 12/16/09Checked By NAL Date 12/16/09

SHEET 1 OF 1

|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     |                                                                                                                                                                                |
|-----------------------------------------------------|---------------|-------------------------------------------------------------|----|-----------------------------------|-------------------------------------|------------------------------------|--|--|--|--------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25161                          |               | MACTEC PROJECT NO.: 6468-09-2473                            |    | COUNTY: Louisa, VA                |                                     | GEOLOGIST: C. Baldwin              |  |  |  |              |     |                                                                                                                                                                                |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |                                                             |    | DRILLER: P. Pitts/J. Tucker       |                                     | FLUID LEVEL (ft)                   |  |  |  |              |     |                                                                                                                                                                                |
| BORING NO.: M-16                                    |               | DRILL METHOD: Mud Rotary/Rock Core                          |    | DRILL MACHINE: CME-55 Track (RAL) |                                     | 0 HR. 18.0                         |  |  |  |              |     |                                                                                                                                                                                |
| GROUND ELEV.: 284.6 ft (NAVD88)                     |               | NORTHING: 3,909,990 US ft (NAD83)                           |    | EASTING: 11,685,802 US ft (NAD83) |                                     | 24 HR. NA                          |  |  |  |              |     |                                                                                                                                                                                |
| TOTAL DEPTH: 61.9 ft                                |               | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |    | ROD TYPE: AWJ                     |                                     | HAMMER (ID): 140-lb. Auto (MEC-21) |  |  |  |              |     |                                                                                                                                                                                |
| DATE STARTED: 9/29/09                               |               | COMPLETED: 9/30/09                                          |    | HOLE DIA.: 3"                     |                                     | CASING DEPTH: 8.9 ft               |  |  |  |              |     |                                                                                                                                                                                |
| CORE SIZE: NQ3                                      |               | BITS USED: 2-7/8" Tri-Cone                                  |    |                                   |                                     |                                    |  |  |  |              |     |                                                                                                                                                                                |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT<br>0.5ft 0.5ft 0.5ft                             |    |                                   | BLOWS PER FOOT<br>0 20 40 60 80 100 |                                    |  |  |  | SAMP.<br>NO. | LOG | SOIL AND ROCK DESCRIPTION                                                                                                                                                      |
| 284.3                                               |               |                                                             |    |                                   | Ground Surface                      |                                    |  |  |  |              |     |                                                                                                                                                                                |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 284.3<br>283.8                                                                                                                                                                 |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 0.0<br>0.5                                                                                                                                                                     |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | ASPHALT (Roadway) to 0.5 ft.                                                                                                                                                   |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | No sampling from 0.0 to 8.9 feet due to soft dig utility clearance by Dominion Personnel                                                                                       |
| 275.4                                               | 8.9           | 4                                                           | 5  | 4                                 |                                     |                                    |  |  |  | SS-1         |     | 275.4                                                                                                                                                                          |
| 272.7                                               | 11.6          | 3                                                           | 3  | 5                                 |                                     |                                    |  |  |  | SS-2         |     |                                                                                                                                                                                |
| 270.3                                               | 14.0          | 4                                                           | 3  | 3                                 |                                     |                                    |  |  |  | SS-3         |     |                                                                                                                                                                                |
| 265.3                                               | 19.0          | 4                                                           | 4  | 7                                 |                                     |                                    |  |  |  | SS-4         |     |                                                                                                                                                                                |
| 260.3                                               | 24.0          | 5                                                           | 5  | 7                                 |                                     |                                    |  |  |  | SS-5         |     |                                                                                                                                                                                |
| 255.3                                               | 29.0          | 5                                                           | 6  | 6                                 |                                     |                                    |  |  |  | SS-6         |     |                                                                                                                                                                                |
| 250.3                                               | 34.0          | 5                                                           | 5  | 5                                 |                                     |                                    |  |  |  | SS-7         |     |                                                                                                                                                                                |
| 245.3                                               | 39.0          | 9                                                           | 12 | 13                                |                                     |                                    |  |  |  | SS-8         |     |                                                                                                                                                                                |
| 240.3                                               | 44.0          | 12                                                          | 19 | 21                                |                                     |                                    |  |  |  | SS-9         |     |                                                                                                                                                                                |
| 235.3                                               | 49.0          | 17                                                          | 24 | 27                                |                                     |                                    |  |  |  | SS-10        |     |                                                                                                                                                                                |
| 230.3                                               | 54.0          | 50/0.4                                                      |    |                                   |                                     |                                    |  |  |  | SS-11        |     |                                                                                                                                                                                |
| 225.3                                               | 59.0          |                                                             |    |                                   |                                     |                                    |  |  |  | SS-12        |     |                                                                                                                                                                                |
| 224.3                                               | 59.8          | 50/0.1                                                      |    |                                   |                                     |                                    |  |  |  | SS-13        |     |                                                                                                                                                                                |
|                                                     |               | 100/0.1                                                     |    |                                   |                                     |                                    |  |  |  |              |     |                                                                                                                                                                                |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 232.3                                                                                                                                                                          |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 52.0                                                                                                                                                                           |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | WEATHERED ROCK: Severely weathered BIOTITE QUARTZ GNEISS (Sampled as Silty SAND (SM), reddish yellow (7.5YR 7/8), very dense, moist, fine to coarse grained sand, little mica) |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 224.5                                                                                                                                                                          |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 59.8                                                                                                                                                                           |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 222.4                                                                                                                                                                          |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | 61.9                                                                                                                                                                           |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | HARD ROCK: Brown and gray with trace orange staining, moderately weathered, moderately close fracturing, moderately hard, BIOTITE QUARTZ GNEISS                                |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | Boring and coring terminated at 61.9 feet.                                                                                                                                     |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | Boring closed by tremie method with cement-bentonite grout.                                                                                                                    |
|                                                     |               |                                                             |    |                                   |                                     |                                    |  |  |  |              |     | No 24 HR fluid level because boring grouted same day boring drilled.                                                                                                           |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT GPJ NORTH ANNA 3.GDT 12/3/09



SHEET 1 OF 1

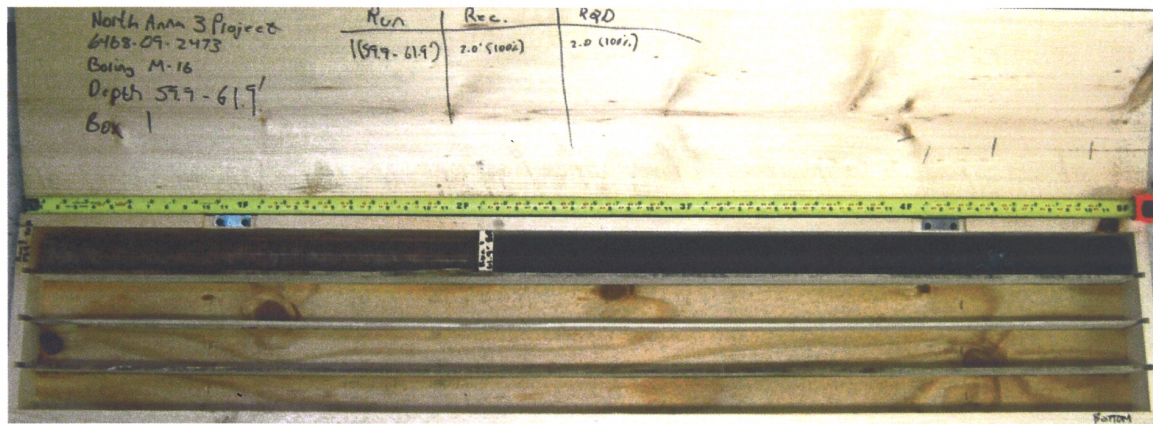
|                                                     |  |                                                             |  |                                   |  |                                                          |  |
|-----------------------------------------------------|--|-------------------------------------------------------------|--|-----------------------------------|--|----------------------------------------------------------|--|
| BECHTEL PROJECT NO.: 25161                          |  | MACTEC PROJECT NO.: 6468-09-2473                            |  | COUNTY: Louisa, VA                |  | GEOLOGIST: C. Baldwin                                    |  |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |  |                                                             |  | DRILLER: P. Pitts/J. Tucker       |  | FLUID LEVEL (ft)                                         |  |
| BORING NO.: M-16                                    |  | DRILL METHOD: Mud Rotary/Rock Core                          |  | DRILL MACHINE: CME-55 Track (RAL) |  | 0 HR. 18.0                                               |  |
| GROUND ELEV.: 284.6 ft (NAVD88)                     |  | NORTHING: 3,909,990 US ft (NAD83)                           |  | EASTING: 11,685,802 US ft (NAD83) |  | 24 HR. NA                                                |  |
| TOTAL DEPTH: 61.9 ft                                |  | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |  |                                   |  | HAMMER (ID): 140-lb. Auto (MEC-21)                       |  |
| DATE STARTED: 9/29/09                               |  | COMPLETED: 9/30/09                                          |  | CASING DEPTH: 8.9 ft              |  | CORE BARREL TYPE: Wireline NQ3 Triple Tube, series 6 bit |  |

| ELEV.<br>(ft)  | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft) | RUN               |                  | SAMP.<br>NO. | STRATA            |                  | L<br>O<br>G | DESCRIPTION AND REMARKS                                                                                                                                                                                                                                                                                                                                                                                                |
|----------------|---------------|-------------|---------------------------|-------------------|------------------|--------------|-------------------|------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                |               |             |                           | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |              | REC.<br>(ft)<br>% | RQD<br>(ft)<br>% |             |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|                |               |             |                           |                   |                  |              |                   |                  |             | Begin Coring @ 59.9 ft                                                                                                                                                                                                                                                                                                                                                                                                 |
| 224.4<br>222.4 | 59.9<br>61.9  | 2.0         | 3:00<br>3:05              | (2.0)<br>100%     | (2.0)<br>100%    | RUN 1        | (2.0)<br>100%     | (2.0)<br>100%    |             | <p>HARD ROCK: Brown and gray with trace orange staining, moderately weathered, moderately close fracturing, moderately hard, BIOTITE QUARTZ GNEISS (<i>continued</i>)<br/>(1 joint at 90°, tight with trace clay)</p> <p>Boring and coring terminated at 61.9 feet.</p> <p>Boring closed by tremie method with cement-bentonite grout.</p> <p>No 24 HR fluid level because boring grouted same day boring drilled.</p> |

NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/3/09





M-16 - Box 1



|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|-----------------------------------------------------|---------------|-------------------------------------------------------------|------------------------------------|---------------|----------------|-------------------------------------|----|-------------------------------------|-----------------------|----------------------------|------------|---------------------------|----------------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25161                          |               |                                                             | MACTEC PROJECT NO.: 6468-09-2473   |               |                | COUNTY: Louisa, VA                  |    |                                     | GEOLOGIST: C. Baldwin |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |                                                             |                                    |               |                | DRILLER: P. Pitts/J. Tucker         |    |                                     |                       | FLUID LEVEL (ft)           |            |                           |                |            |                                                                                                                                                                                                                                                 |
| BORING NO.: M-17                                    |               |                                                             | DRILL METHOD: Mud Rotary/Rock Core |               |                | DRILL MACHINE: CME-55 Trailer (RAL) |    |                                     |                       | 0 HR.                      | NA         |                           |                |            |                                                                                                                                                                                                                                                 |
| GROUND ELEV.: 306.2 ft (NAVD88)                     |               |                                                             | NORTHING: 3,909,775 US ft (NAD83)  |               |                | EASTING: 11,686,214 US ft (NAD83)   |    |                                     |                       | 24 HR.                     | 22.0       |                           |                |            |                                                                                                                                                                                                                                                 |
| TOTAL DEPTH: 151.9 ft                               |               | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |                                    |               |                | ROD TYPE: AWJ                       |    | HAMMER (ID): 140-lb. Auto (MEC-425) |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
| DATE STARTED: 9/21/09                               |               | COMPLETED: 9/24/09                                          |                                    | HOLE DIA.: 3" |                | CASING DEPTH: 82.1 ft               |    | CORE SIZE: NQ3                      |                       | BITS USED: 2-7/8" Tri-Cone |            |                           |                |            |                                                                                                                                                                                                                                                 |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT                                                  |                                    |               | BLOWS PER FOOT |                                     |    |                                     |                       | SAMP.<br>NO.               | LOG<br>MOI | SOIL AND ROCK DESCRIPTION |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               | 0.5ft                                                       | 0.5ft                              | 0.5ft         | 0              | 20                                  | 40 | 60                                  | 80                    | 100                        |            |                           |                |            |                                                                                                                                                                                                                                                 |
| 306.2                                               |               |                                                             |                                    |               | Ground Surface |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           | 306.2<br>305.7 | 0.0<br>0.5 | ASPHALT (Roadway) to 0.5 ft.<br>No sampling from 0.0 to 9.3 feet due to soft dig utility clearance by Dominion Personnel                                                                                                                        |
| 296.9                                               | 9.3           |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           | 296.9          | 9.3        | RESIDUAL SOIL: Lean CLAY with Sand (CL), strong brown (7.5YR 5/6), medium stiff, moist, fine to medium grained sand, relict rock fabric                                                                                                         |
| 292.2                                               | 14.0          | 2                                                           | 3                                  | 3             | 6              |                                     |    |                                     |                       |                            |            | SS-1                      | 294.2          | 12.0       | RESIDUAL SOIL: Sandy SILT (ML), Yellowish brown (10YR 5/4), medium stiff, moist, fine grained sand, little mica, relict rock fabric                                                                                                             |
|                                                     |               | 2                                                           | 3                                  | 4             | 7              |                                     |    |                                     |                       |                            |            | SS-2                      |                |            |                                                                                                                                                                                                                                                 |
| 287.1                                               | 19.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           | 289.2          | 17.0       | RESIDUAL SOIL: Silty SAND (SM), Brownish yellow (10YR 6/6), medium dense, moist, fine to coarse grained sand, little mica, relict rock fabric                                                                                                   |
|                                                     |               | 9                                                           | 13                                 | 16            |                |                                     |    |                                     |                       |                            |            | SS-3                      |                |            |                                                                                                                                                                                                                                                 |
| 282.1                                               | 24.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               | 8                                                           | 11                                 | 15            |                |                                     |    |                                     |                       |                            |            | SS-4                      |                |            |                                                                                                                                                                                                                                                 |
| 277.1                                               | 29.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | 29.1 ft: Dense                                                                                                                                                                                                                                  |
|                                                     |               | 18                                                          | 22                                 | 25            |                |                                     |    |                                     |                       |                            |            | SS-5                      |                |            |                                                                                                                                                                                                                                                 |
| 272.1                                               | 34.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | 34.1 ft: Very pale brown (10YR 7/4), very dense                                                                                                                                                                                                 |
|                                                     |               | 15                                                          | 18                                 | 38            |                |                                     |    |                                     |                       |                            |            | SS-6                      |                |            |                                                                                                                                                                                                                                                 |
| 267.1                                               | 39.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | 39.1 ft: Olive yellow (5Y 6/6), medium dense, fine to medium grained sand                                                                                                                                                                       |
|                                                     |               | 7                                                           | 10                                 | 15            |                |                                     |    |                                     |                       |                            |            | SS-7                      |                |            |                                                                                                                                                                                                                                                 |
| 262.1                                               | 44.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | 44.1 ft: Dark gray (N 4/), dense                                                                                                                                                                                                                |
|                                                     |               | 7                                                           | 11                                 | 24            |                |                                     |    |                                     |                       |                            |            | SS-8                      |                |            |                                                                                                                                                                                                                                                 |
| 257.1                                               | 49.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | 49.1 ft: Light olive brown (2.5YR 5/4)                                                                                                                                                                                                          |
|                                                     |               | 15                                                          | 28                                 | 20            |                |                                     |    |                                     |                       |                            |            | SS-9                      |                |            |                                                                                                                                                                                                                                                 |
| 252.1                                               | 54.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            | WEATHERED ROCK: Severely weathered QUARTZ BIOTITE GNEISS (Sampled as Silty SAND (SM), reddish yellow (7.5YR 6/6) to light yellowish brown (2.5Y 6/3), very dense, moist, fine to medium grained sand, little mica, trace quartz rock fragments) |
|                                                     |               | 50/0.3                                                      |                                    |               |                |                                     |    |                                     |                       |                            |            | SS-10                     |                |            |                                                                                                                                                                                                                                                 |
| 247.1                                               | 59.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               | 50/0.4                                                      |                                    |               |                |                                     |    |                                     |                       |                            |            | SS-11                     |                |            |                                                                                                                                                                                                                                                 |
| 242.1                                               | 64.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               | 50/0.2                                                      |                                    |               |                |                                     |    |                                     |                       |                            |            | SS-12                     |                |            |                                                                                                                                                                                                                                                 |
| 237.1                                               | 69.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               | 15                                                          | 28                                 | 72/0.3        |                |                                     |    |                                     |                       |                            |            | SS-13                     |                |            |                                                                                                                                                                                                                                                 |
| 232.1                                               | 74.1          |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
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|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
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|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
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|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
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|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
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|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     |    |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |
|                                                     |               |                                                             |                                    |               |                |                                     | </ |                                     |                       |                            |            |                           |                |            |                                                                                                                                                                                                                                                 |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09

|                                                     |               |            |                                                             |       |                              |                                     |                       |    |                                     |              |                            |                                                                                                                                                                                                                                                             |
|-----------------------------------------------------|---------------|------------|-------------------------------------------------------------|-------|------------------------------|-------------------------------------|-----------------------|----|-------------------------------------|--------------|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BECHTEL PROJECT NO.: 25161                          |               |            | MACTEC PROJECT NO.: 6468-09-2473                            |       |                              | COUNTY: Louisa, VA                  |                       |    | GEOLOGIST: C. Baldwin               |              |                            |                                                                                                                                                                                                                                                             |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |            |                                                             |       |                              | DRILLER: P. Pitts/J. Tucker         |                       |    | FLUID LEVEL (ft)                    |              |                            |                                                                                                                                                                                                                                                             |
| BORING NO.: M-17                                    |               |            | DRILL METHOD: Mud Rotary/Rock Core                          |       |                              | DRILL MACHINE: CME-55 Trailer (RAL) |                       |    | 0 HR. NA                            |              |                            |                                                                                                                                                                                                                                                             |
| GROUND ELEV.: 306.2 ft (NAVD88)                     |               |            | NORTHING: 3,909,775 US ft (NAD83)                           |       |                              | EASTING: 11,686,214 US ft (NAD83)   |                       |    | 24 HR. 22.0                         |              |                            |                                                                                                                                                                                                                                                             |
| TOTAL DEPTH: 151.9 ft                               |               |            | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |       |                              | ROD TYPE: AWJ                       |                       |    | HAMMER (ID): 140-lb. Auto (MEC-425) |              |                            |                                                                                                                                                                                                                                                             |
| DATE STARTED: 9/21/09                               |               |            | COMPLETED: 9/24/09                                          |       | HOLE DIA.: 3"                |                                     | CASING DEPTH: 82.1 ft |    | CORE SIZE: NQ3                      |              | BITS USED: 2-7/8" Tri-Cone |                                                                                                                                                                                                                                                             |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT |                                                             |       | BLOWS PER FOOT               |                                     |                       |    |                                     | SAMP.<br>NO. | LOG                        | SOIL AND ROCK DESCRIPTION                                                                                                                                                                                                                                   |
|                                                     |               | 0.5ft      | 0.5ft                                                       | 0.5ft | 0                            | 20                                  | 40                    | 60 | 80                                  | 100          | MOI                        |                                                                                                                                                                                                                                                             |
| 231.4                                               |               |            |                                                             |       | Continued from previous page |                                     |                       |    |                                     |              |                            |                                                                                                                                                                                                                                                             |
| 227.1                                               | 79.1          | 38         | 62/0.3                                                      |       |                              |                                     |                       |    |                                     | 100/0.8      | SS-14                      | WEATHERED ROCK: Severely weathered QUARTZ BIOTITE GNEISS (Sampled as Silty SAND (SM), reddish yellow (7.5YR 6/6) to light yellowish brown (2.5Y 6/3), very dense, moist, fine to medium grained sand, little mica, trace quartz rock fragments) (continued) |
|                                                     |               | 50/0.2     |                                                             |       |                              |                                     |                       |    |                                     | 50/0.2       | SS-15                      |                                                                                                                                                                                                                                                             |
| 222.1                                               | 84.1          |            |                                                             |       |                              |                                     |                       |    |                                     | 50/0.2       | SS-16                      | 221.9 84.3<br>HARD ROCK: Dark gray with orange staining, moderately severe to moderately weathered, very close to close fracturing, medium hard to hard, QUARTZ BIOTITE GNEISS                                                                              |
|                                                     |               | 50/0.2     |                                                             |       |                              |                                     |                       |    |                                     |              |                            | 214.3 91.9<br>HARD ROCK: Light to dark gray with orange staining, moderately weathered, very close to moderately close fracturing, moderately hard, QUARTZ BIOTITE GNEISS                                                                                   |
|                                                     |               |            |                                                             |       |                              |                                     |                       |    |                                     |              |                            | 199.3 106.9<br>HARD ROCK: Dark gray, moderately to very slightly weathered, very close to moderately close fracturing, hard, QUARTZ BIOTITE GNEISS                                                                                                          |
|                                                     |               |            |                                                             |       |                              |                                     |                       |    |                                     |              |                            | 169.3 136.9<br>HARD ROCK: Dark gray, moderately severe to slightly weathered, very close to close fracturing, medium hard to hard, QUARTZ BIOTITE GNEISS                                                                                                    |
|                                                     |               |            |                                                             |       |                              |                                     |                       |    |                                     |              |                            | 164.3 141.9<br>HARD ROCK: Dark gray, very slightly weathered, close to wide fracturing, hard, QUARTZ BIOTITE GNEISS                                                                                                                                         |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09



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| BECHTEL PROJECT NO.: 25161                          |               |            | MACTEC PROJECT NO.: 6468-09-2473                            |       |                              | COUNTY: Louisa, VA                  |    |    | GEOLOGIST: C. Baldwin              |              |     |                           |                                                                                                                |       |
|-----------------------------------------------------|---------------|------------|-------------------------------------------------------------|-------|------------------------------|-------------------------------------|----|----|------------------------------------|--------------|-----|---------------------------|----------------------------------------------------------------------------------------------------------------|-------|
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |            |                                                             |       |                              | DRILLER: P. Pitts/J. Tucker         |    |    | FLUID LEVEL (ft)                   |              |     |                           |                                                                                                                |       |
| BORING NO.: M-17                                    |               |            | DRILL METHOD: Mud Rotary/Rock Core                          |       |                              | DRILL MACHINE: CME-55 Trailer (RAL) |    |    | 0 HR. NA                           |              |     |                           |                                                                                                                |       |
| GROUND ELEV.: 306.2 ft (NAVD88)                     |               |            | NORTHING: 3,909,775 US ft (NAD83)                           |       |                              | EASTING: 11,686,214 US ft (NAD83)   |    |    | 24 HR. 22.0                        |              |     |                           |                                                                                                                |       |
| TOTAL DEPTH: 151.9 ft                               |               |            | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |       |                              | ROD TYPE: AWJ                       |    |    | HAMMER (ID):140-lb. Auto (MEC-425) |              |     |                           |                                                                                                                |       |
| DATE STARTED: 9/21/09                               |               |            | COMPLETED: 9/24/09                                          |       |                              | HOLE DIA.: 3"                       |    |    | CASING DEPTH: 82.1 ft              |              |     |                           |                                                                                                                |       |
|                                                     |               |            |                                                             |       |                              | CORE SIZE: NQ3                      |    |    | BITS USED: 2-7/8" Tri-Cone         |              |     |                           |                                                                                                                |       |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT |                                                             |       | BLOWS PER FOOT               |                                     |    |    |                                    | SAMP.<br>NO. | LOG | SOIL AND ROCK DESCRIPTION |                                                                                                                |       |
|                                                     |               | 0.5ft      | 0.5ft                                                       | 0.5ft | 0                            | 20                                  | 40 | 60 | 80                                 | 100          | MOI |                           |                                                                                                                |       |
| 156.6                                               |               |            |                                                             |       | Continued from previous page |                                     |    |    |                                    |              |     |                           |                                                                                                                |       |
|                                                     |               |            |                                                             |       |                              |                                     |    |    |                                    |              |     |                           | 154.3                                                                                                          | 151.9 |
|                                                     |               |            |                                                             |       |                              |                                     |    |    |                                    |              |     |                           | Boring and coring terminated at 151.9 feet.<br><br>Boring closed by tremie method with cement-bentonite grout. |       |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09



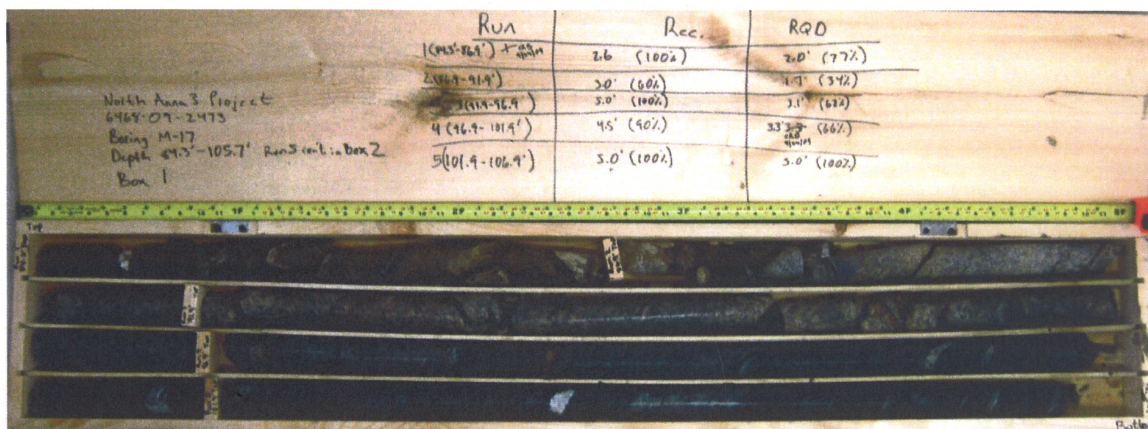


SHEET 1 OF 1

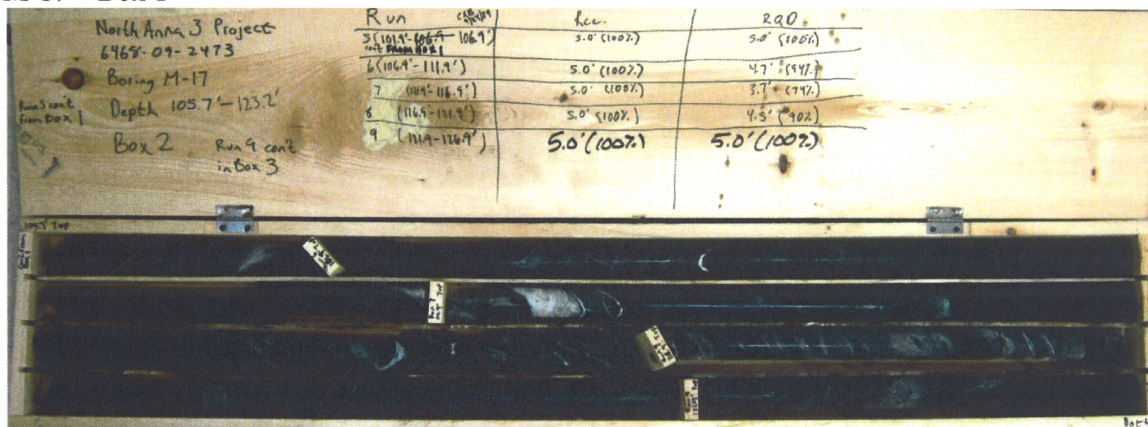
|                                                     |               |             |                                                             |                                    |                       |              |                                                          |                                     |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
|-----------------------------------------------------|---------------|-------------|-------------------------------------------------------------|------------------------------------|-----------------------|--------------|----------------------------------------------------------|-------------------------------------|-------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|-------|
| BECHTEL PROJECT NO.: 25161                          |               |             |                                                             | MACTEC PROJECT NO.: 6468-09-2473   |                       |              |                                                          | COUNTY: Louisa, VA                  |                                     | GEOLOGIST: C. Baldwin   |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |             |                                                             |                                    |                       |              |                                                          | DRILLER: P. Pitts/J. Tucker         |                                     |                         | FLUID LEVEL (ft)                                                                                                                                                                                                                                                                                                    |                                                                                                                                                        |       |
| BORING NO.: M-17                                    |               |             |                                                             | DRILL METHOD: Mud Rotary/Rock Core |                       |              |                                                          | DRILL MACHINE: CME-55 Trailer (RAL) |                                     |                         | 0 HR.                                                                                                                                                                                                                                                                                                               | NA                                                                                                                                                     |       |
| GROUND ELEV.: 306.2 ft (NAVD88)                     |               |             |                                                             | NORTHING: 3,909,775 US ft (NAD83)  |                       |              |                                                          | EASTING: 11,686,214 US ft (NAD83)   |                                     |                         | 24 HR.                                                                                                                                                                                                                                                                                                              | 22.0                                                                                                                                                   |       |
| TOTAL DEPTH: 151.9 ft                               |               |             | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |                                    |                       |              |                                                          |                                     | HAMMER (ID): 140-lb. Auto (MEC-425) |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| DATE STARTED: 9/21/09                               |               |             | COMPLETED: 9/24/09                                          |                                    | CASING DEPTH: 82.1 ft |              | CORE BARREL TYPE: Wireline NQ3 Triple Tube, series 6 bit |                                     |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
|                                                     |               |             |                                                             |                                    |                       |              |                                                          |                                     |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | RUN<br>(ft) | DRILL<br>RATE<br>(Min/ft)                                   | RUN                                |                       | SAMP.<br>NO. | STRATA                                                   |                                     | L<br>O<br>G                         | DESCRIPTION AND REMARKS |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
|                                                     |               |             |                                                             | REC<br>(ft)<br>%                   | RQD<br>(ft)<br>%      |              | REC<br>(ft)<br>%                                         | RQD<br>(ft)<br>%                    |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
|                                                     |               |             |                                                             |                                    |                       |              |                                                          |                                     |                                     | Begin Coring @ 84.3 ft  |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| 221.9                                               | 84.3          | 2.6         | 3:45/0.6<br>5:30<br>12:53                                   | (2.6)<br>100%                      | (2.0)<br>77%          | RUN 1        | (5.6)<br>74%                                             | (3.7)<br>49%                        |                                     | 221.9                   | HARD ROCK: Dark gray with orange staining, moderately severe to moderately weathered, very close to close fracturing, medium hard to hard, QUARTZ BIOTITE GNEISS<br>(2 joints at 0°, open with clay; 2 joints at 50°, tight with trace clay)<br>(2 joints at 0°, tight; 3 joints at 30°, tight)                     | 84.3                                                                                                                                                   |       |
| 219.3                                               | 86.9          | 5.0         | 5:00<br>3:57<br>6:20<br>10:20<br>5:11                       | (3.0)<br>60%                       | (1.7)<br>34%          | RUN 2        |                                                          |                                     |                                     | 214.3                   |                                                                                                                                                                                                                                                                                                                     | 91.9                                                                                                                                                   |       |
| 214.3                                               | 91.9          | 5.0         | 5:45<br>3:42<br>3:30<br>3:13<br>5:15                        | (5.0)<br>100%                      | (3.1)<br>62%          | RUN 3        | (14.5)<br>97%                                            | (11.4)<br>76%                       |                                     |                         | HARD ROCK: Light to dark gray with orange staining, moderately weathered, very close to moderately close fracturing, moderately hard, QUARTZ BIOTITE GNEISS<br>(3 joints at 10°, tight to open; 7 joints at 30-40°, tight; 1 joint at 60°, tight)<br>(3 joints at 30-40°, tight; 6 joints at 60-70°, tight to open) |                                                                                                                                                        |       |
| 209.3                                               | 96.9          | 5.0         | 4:09<br>3:20<br>3:43<br>2:40<br>3:22                        | (4.5)<br>90%                       | (3.3)<br>66%          | RUN 4        |                                                          |                                     |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| 204.3                                               | 101.9         | 5.0         | 3:20<br>3:05<br>3:29<br>2:55<br>3:40                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 5        |                                                          |                                     |                                     |                         | (1 joint at 20°, tight; 2 joints at 40°, tight)                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |
| 199.3                                               | 106.9         | 5.0         | 3:32<br>3:05<br>2:48<br>2:46<br>2:38                        | (5.0)<br>100%                      | (4.7)<br>94%          | RUN 6        | (30.0)<br>100%                                           | (27.9)<br>93%                       |                                     | 199.3                   | HARD ROCK: Dark gray, moderately to very slightly weathered, very close to moderately close fracturing, hard, QUARTZ BIOTITE GNEISS<br>(2 joints at 20°, tight; 1 joint at 40°, tight)                                                                                                                              | 106.9                                                                                                                                                  |       |
| 194.3                                               | 111.9         | 5.0         | 3:30<br>3:23<br>3:50<br>3:35<br>4:00                        | (5.0)<br>100%                      | (3.7)<br>74%          | RUN 7        |                                                          |                                     |                                     |                         | (1 joint at 0°, tight; 1 joint at 20°, tight; 8 joints at 40-50°, tight)                                                                                                                                                                                                                                            |                                                                                                                                                        |       |
| 189.3                                               | 116.9         | 5.0         | 3:55<br>3:15<br>3:57<br>3:05<br>2:30                        | (5.0)<br>100%                      | (4.5)<br>90%          | RUN 8        |                                                          |                                     |                                     |                         | (4 joints at 30°, tight)                                                                                                                                                                                                                                                                                            |                                                                                                                                                        |       |
| 184.3                                               | 121.9         | 5.0         | 3:12<br>3:57<br>2:40<br>2:54<br>3:12                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 9        |                                                          |                                     |                                     |                         | (1 joint at 60°, tight)                                                                                                                                                                                                                                                                                             |                                                                                                                                                        |       |
| 179.3                                               | 126.9         | 5.0         | 3:00<br>3:04<br>2:55<br>2:52<br>2:31                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 10       |                                                          |                                     |                                     |                         | (1 joint at 40°, tight)                                                                                                                                                                                                                                                                                             |                                                                                                                                                        |       |
| 174.3                                               | 131.9         | 5.0         | 2:40<br>3:00<br>3:08<br>3:17<br>2:56                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 11       |                                                          |                                     |                                     |                         | (2 joints at 50°, tight)                                                                                                                                                                                                                                                                                            |                                                                                                                                                        |       |
| 169.3                                               | 136.9         | 5.0         | 3:18<br>2:32<br>1:00<br>2:39<br>3:33                        | (3.5)<br>70%                       | (2.0)<br>40%          | RUN 12       | (3.5)<br>70%                                             | (2.0)<br>40%                        |                                     | 169.3                   | HARD ROCK: Dark gray, moderately severe to slightly weathered, very close to close fracturing, medium hard to hard, QUARTZ BIOTITE GNEISS<br>(2 joints at 30°, tight; 2 joints at 50°, tight)                                                                                                                       | 136.9                                                                                                                                                  |       |
| 164.3                                               | 141.9         | 5.0         | 3:42<br>3:41<br>3:20<br>3:00<br>2:05                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 13       | (10.0)<br>100%                                           | (10.0)<br>100%                      |                                     |                         | 164.3                                                                                                                                                                                                                                                                                                               | HARD ROCK: Dark gray, very slightly weathered, close to wide fracturing, hard, QUARTZ BIOTITE GNEISS<br>(1 joint at 30°, tight; 1 joint at 70°, tight) | 141.9 |
| 159.3                                               | 146.9         | 5.0         | 2:57<br>3:20<br>2:53<br>2:50<br>2:24                        | (5.0)<br>100%                      | (5.0)<br>100%         | RUN 14       |                                                          |                                     |                                     |                         | (No Joints)                                                                                                                                                                                                                                                                                                         |                                                                                                                                                        |       |
| 154.3                                               | 151.9         |             |                                                             |                                    |                       |              |                                                          |                                     |                                     | 154.3                   | Boring and coring terminated at 151.9 feet.<br><br>Boring closed by tremie method with cement-bentonite grout.                                                                                                                                                                                                      | 151.9                                                                                                                                                  |       |
|                                                     |               |             |                                                             |                                    |                       |              |                                                          |                                     |                                     |                         |                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                        |       |

NORTH ANNA 3 CORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09

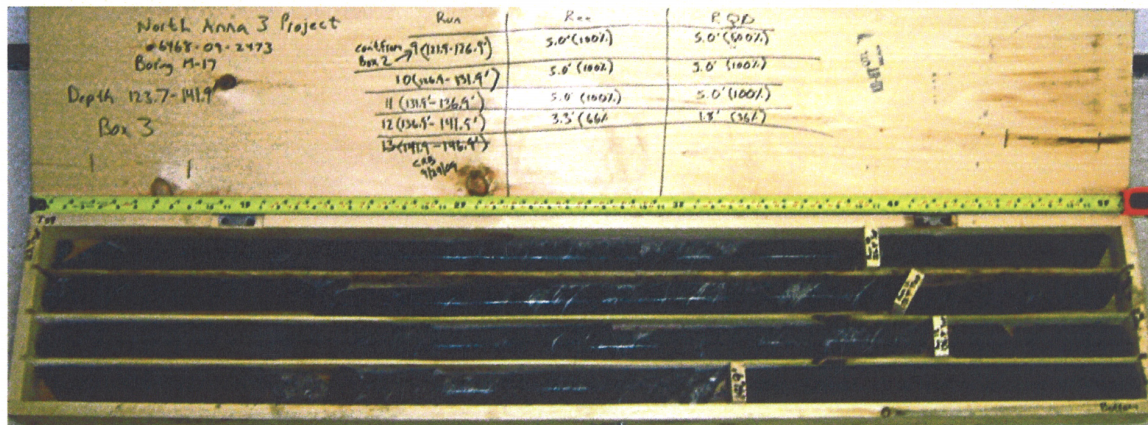




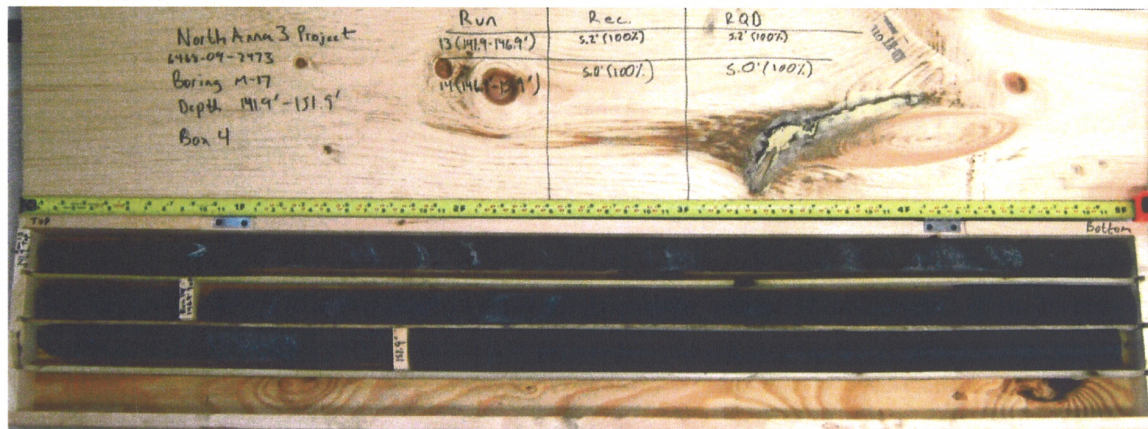
M-17 - Box 1



M-17 - Box 2



M-17 - Box 3



M-17 - Box 4





|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
|-----------------------------------------------------|---------------|------------|--------|-------------------------------------------------------------|----------------|---------------|----|------------------------------------|----|---------------|-----|-----------------------------------|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| BECHTEL PROJECT NO.: 25161                          |               |            |        | MACTEC PROJECT NO.: 6468-09-2473                            |                |               |    | COUNTY: Louisa, VA                 |    |               |     | GEOLOGIST: B. Mabie               |                           |                                                                                                                                            |  |  |
| SITE DESCRIPTION: North Anna 3 Project Supplement 2 |               |            |        |                                                             |                |               |    | DRILLER: D. Rhodes/K. Guy          |    |               |     | FLUID LEVEL (ft)                  |                           |                                                                                                                                            |  |  |
| BORING NO.: M-18                                    |               |            |        | DRILL METHOD: Mud Rotary                                    |                |               |    | DRILL MACHINE: CME-45C Track (RAL) |    |               |     | 0 HR.                             |                           | 16.0                                                                                                                                       |  |  |
| GROUND ELEV.: 304.2 ft (NAVD88)                     |               |            |        | NORTHING: 3,909,608 US ft (NAD83)                           |                |               |    | EASTING: 11,686,214 US ft (NAD83)  |    |               |     | 24 HR.                            |                           | NA                                                                                                                                         |  |  |
| TOTAL DEPTH: 60.4 ft                                |               |            |        | SAMPLE METHODS: ASTM D 1586-08a; 2488-09a; 2113-08; 6032-08 |                |               |    | ROD TYPE: AWJ                      |    |               |     | HAMMER (ID):140-lb. Auto (MEC-12) |                           |                                                                                                                                            |  |  |
| DATE STARTED: 9/29/09                               |               |            |        | COMPLETED: 9/29/09                                          |                | HOLE DIA.: 3" |    | CASING DEPTH: 9.0 ft               |    | CORE SIZE: NA |     | BITS USED: 2-7/8" Tri-Cone        |                           |                                                                                                                                            |  |  |
| ELEV.<br>(ft)                                       | DEPTH<br>(ft) | BLOW COUNT |        |                                                             | BLOWS PER FOOT |               |    |                                    |    | SAMP.<br>NO.  | MOI | LOG                               | SOIL AND ROCK DESCRIPTION |                                                                                                                                            |  |  |
|                                                     |               | 0.5ft      | 0.5ft  | 0.5ft                                                       | 0              | 20            | 40 | 60                                 | 80 | 100           |     |                                   |                           |                                                                                                                                            |  |  |
| 304.2                                               |               |            |        |                                                             | Ground Surface |               |    |                                    |    |               |     |                                   | 304.2                     | 0.0                                                                                                                                        |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           | No sampling from 0.0 to 8.7 feet due to soft dig utility clearance by Dominion Personnel                                                   |  |  |
| 295.5                                               | 8.7           |            |        |                                                             |                |               |    |                                    |    |               |     |                                   | 295.5                     | 8.7                                                                                                                                        |  |  |
| 293.5                                               | 10.7          | 2          | 2      | 2                                                           |                |               |    |                                    |    | SS-1          |     |                                   |                           | RESIDUAL SOIL: SILT (ML), strong brown (7.5YR 4/6), soft, moist, few mica, dark brown and black staining, relict rock fabric               |  |  |
| 291.4                                               | 12.8          | 2          | 1      | 3                                                           |                |               |    |                                    |    | SS-2          |     |                                   |                           |                                                                                                                                            |  |  |
|                                                     |               | 2          | 2      | 2                                                           |                |               |    |                                    |    | SS-3          |     |                                   |                           |                                                                                                                                            |  |  |
| 288.9                                               | 15.3          | 1          | 2      | 3                                                           |                |               |    |                                    |    | SS-4          |     |                                   |                           | 15.3 ft: Medium stiff                                                                                                                      |  |  |
| 285.7                                               | 18.5          | 2          | 2      | 3                                                           |                |               |    |                                    |    | SS-5          |     |                                   |                           | 18.5 ft: Pale Yellow (2.5Y 7/4)                                                                                                            |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   | 283.2                     | 21.0                                                                                                                                       |  |  |
| 280.7                                               | 23.5          | 2          | 3      | 4                                                           |                |               |    |                                    |    | SS-6          |     |                                   |                           | RESIDUAL SOIL: Elastic SILT (MH), yellow (2.5Y 7/6), medium stiff, moist, trace mica, orange and brown staining, relict rock fabric        |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
| 275.7                                               | 28.5          | 2          | 3      | 3                                                           |                |               |    |                                    |    | SS-7          |     |                                   |                           | 28.5 ft: Olive yellow (2.5Y 6/6)                                                                                                           |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
| 270.7                                               | 33.5          | 2          | 3      | 4                                                           |                |               |    |                                    |    | SS-8          |     |                                   |                           | 33.5 ft: Light yellowish brown (2.5Y 6/4), little mica                                                                                     |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
| 265.7                                               | 38.5          | 2          | 1      | 2                                                           |                |               |    |                                    |    | SS-9          |     |                                   |                           | 38.5 ft: Soft                                                                                                                              |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   | 262.2                     | 42.0                                                                                                                                       |  |  |
| 260.7                                               | 43.5          | 3          | 6      | 6                                                           |                |               |    |                                    |    | SS-10         |     |                                   |                           | RESIDUAL SOIL: Silty SAND (SM), strong brown (7.5YR 5/6), medium dense, moist, fine to coarse grained sand, trace mica, relict rock fabric |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
| 255.7                                               | 48.5          | 5          | 3      | 4                                                           |                |               |    |                                    |    | SS-11         |     |                                   |                           | 48.5 ft: Brownish yellow (10YR 6/4), loose                                                                                                 |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   | 252.2                     | 52.0                                                                                                                                       |  |  |
| 250.7                                               | 53.5          | 4          | 5      | 6                                                           |                |               |    |                                    |    | SS-12         |     |                                   |                           | RESIDUAL SOIL: Sandy SILT (ML), strong brown (7.5YR 5/6), stiff, moist, trace mica, relict rock fabric                                     |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           |                                                                                                                                            |  |  |
| 245.7                                               | 58.5          | 78         | 22/0.1 |                                                             |                |               |    |                                    |    | SS-13         |     |                                   |                           | 247.2 57.0                                                                                                                                 |  |  |
| 244.0                                               | 60.2          |            |        |                                                             |                |               |    |                                    |    | SS-14         |     |                                   |                           | 243.8 60.4                                                                                                                                 |  |  |
|                                                     |               | 50/0.2     |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           | Boring terminated at 60.4 feet.                                                                                                            |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           | Boring closed by tremie method with cement-bentonite grout.                                                                                |  |  |
|                                                     |               |            |        |                                                             |                |               |    |                                    |    |               |     |                                   |                           | No 24 HR fluid level because boring grouted same day boring drilled.                                                                       |  |  |

NORTH ANNA 3 BORE NORTH ANNA 3 PROJECT.GPJ NORTH ANNA 3.GDT 12/4/09