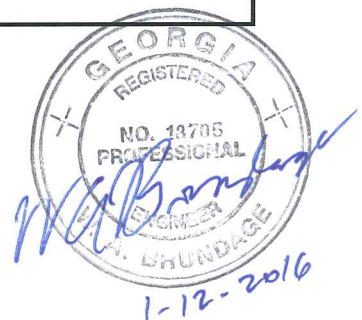


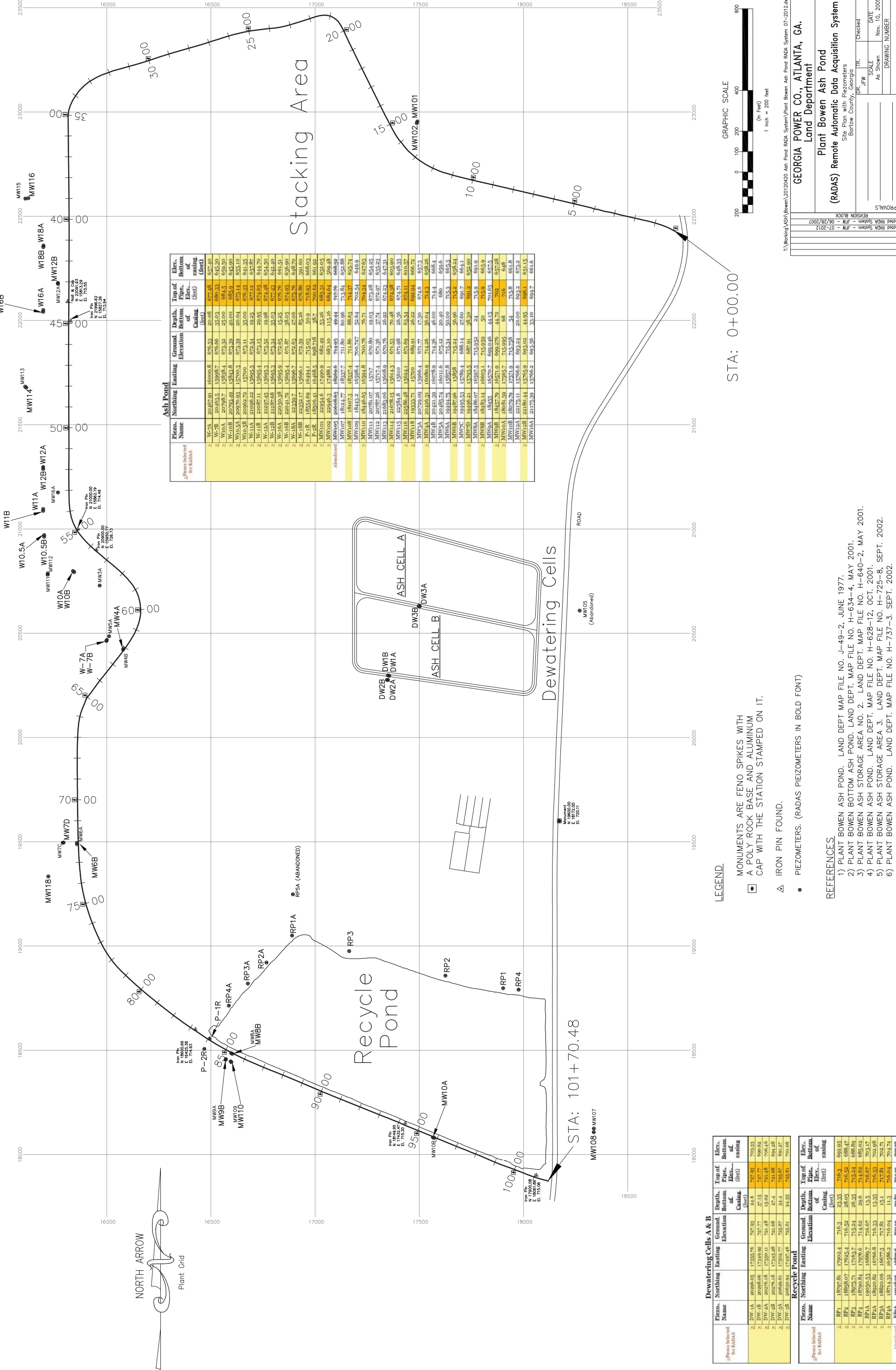
| | | | |
|---------------------------|--|------------------------|---------------------------|
| 257.83 (b) (2) | REPORT OF ANNUAL INSPECTION OF CCR SURFACE IMPOUNDMENT | | |
| | FACILITY NAME: Plant Bowen Ash Pond (AP-1) | | |
| | OWNER/OPERATOR OF FACILITY: Georgia Power Company | | |
| | INSPECTION DATE: October 26, 2015 | | |
| | INSPECTING ENGINEER: William A. Brundage, PE (Ga. PE License #18705) | | |
| | Based on the results of my inspection and review of the data provided, it is my professional opinion that the report has been completed in accordance with 40 CFR 257.83(b). | | |
| (i) | ANY CHANGES IN GEOMETRY OF THE IMPOUNDING STRUCTURE SINCE THE PREVIOUS ANNUAL INSPECTION? | N/A* | |
| | (IF YES, DESCRIBE): | | |
| | | | |
| (ii) | LOCATION AND TYPE OF EXISTING INSTRUMENTATION | SEE ATTACHED PLAN | |
| (ii) | MAXIMUM RECORDED READING OF EACH INSTRUMENT SINCE PREVIOUS ANNUAL INSPECTION | N/A * | |
| (iii) | APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF THE IMPOUNDED WATER SINCE PREVIOUS ANNUAL INSPECTION | | |
| | MIN. DEPTH: N/A | MAX. DEPTH: N/A | PRESENT DEPTH: 13' (max) |
| | MIN. ELEVATION: N/A | MAX. ELEVATION: N/A | PRESENT. ELEVATION: 707.0 |
| (iii) | APPROXIMATE MINIMUM, MAXIMUM AND PRESENT DEPTH AND ELEVATION OF CCR SINCE PREVIOUS ANNUAL INSPECTION. | | |
| | MIN. DEPTH: N/A | MAX. DEPTH: N/A | PRESENT DEPTH: 100' ** |
| | MIN. ELEVATION: N/A | MAX. ELEVATION: N/A | PRESENT ELEVATION: 780 |
| (iv) | APPROXIMATE STORAGE CAPACITY OF IMPOUNDING STRUCTURE AT TIME OF INSPECTION. | 15,221,800 cy + | |
| (v) | APPROXIMATE VOLUME OF IMPOUNDED WATER AND CCR AT TIME OF INSPECTION | WATER: 284,606 cy + | CCR: 21,170,691cy + ** |
| (vi) | ANY APPEARANCE OF AN ACTUAL OR POTENTIAL STRUCTURAL WEAKNESS OF THE CCR UNIT, IN ADDITION TO ANY EXISTING CONDITIONS THAT ARE DISRUPTING OR HAVE THE POTENTIAL TO DISRUPT THE OPERATION AND SAFETY OF THE CCR UNIT AND APPURTENANT STRUCTURES? | NO | |
| | (IF YES, DESCRIBE): | | |
| | | | |
| (vii) | ANY OTHER CHANGE(S) WHICH MAY HAVE AFFECTED THE STABILITY OR OPERATION SINCE THE PREVIOUS ANNUAL INSPECTION? | N/A* | |
| | (IF YES, DESCRIBE): | | |
| | | | |

* This is the first 'Annual inspection by a qualified professional engineer' performed in accordance with 40 CFR Part 257.83. This information will be included in subsequent annual inspection reports.

** Includes approximately 6,233,497 cy of dry stack ash storage within ash pond.

+ Cubic yard estimates are derived by qualified personnel from available information.





STA: 0+00.00

| Dewatering Cells A & B | | | | | |
|------------------------|----------|----------|---------------------|------------------------|--------------------------|
| Piezo. Name | Northing | Eastng | Ground Elev. (feet) | Depth of Casing (feet) | Top of Pipe Elev. (feet) |
| DW-1A | 20994.00 | 17935.74 | 227.08 | 47.97 | 205.11 |
| DW-1B | 20988.00 | 17935.00 | 227.07 | 47.97 | 205.10 |
| DW-2A | 20976.18 | 17930.11 | 221.48 | 47.97 | 205.51 |
| DW-2B | 20976.18 | 17935.28 | 221.48 | 47.97 | 205.51 |
| DW-3A | 20969.61 | 17927.77 | 225.67 | 41.55 | 215.12 |
| DW-3B | 20969.61 | 17927.16 | 225.61 | 41.55 | 215.06 |

| Recycle Pond | | | | | |
|--------------|----------|---------|---------------------|------------------------|--------------------------|
| Piezo. Name | Northing | Eastng | Ground Elev. (feet) | Depth of Casing (feet) | Top of Pipe Elev. (feet) |
| RP-1 | 18972.81 | 17902.4 | 716.3 | 23.35 | 713.95 |
| RP-2 | 18956.07 | 17952.4 | 710.34 | 23.05 | 710.09 |
| RP-3 | 18968.84 | 17978.6 | 714.66 | 23.05 | 714.41 |
| RP-4 | 18950.53 | 16889.7 | 716.07 | 13.35 | 716.07 |
| RP-5A | 18920.82 | 16766.8 | 716.33 | 13.35 | 702.98 |
| RP-5B | 18920.06 | 16977.3 | 717.81 | 15.1 | 717.81 |
| RP-5C | 18711.32 | 16586.2 | 716.04 | 11.3 | 704.74 |
| RP-5D | 18948.08 | 16995.6 | 709.59 | 13.35 | 704.24 |

| Ash Pond | | | | | |
|-------------|----------|---------|---------------------|------------------------|--------------------------|
| Piezo. Name | Northing | Eastng | Ground Elev. (feet) | Depth of Casing (feet) | Top of Pipe Elev. (feet) |
| W-3A | 20467.91 | 16000.8 | 676.33 | 20.08 | 677.48 |
| W-3B | 20467.91 | 16000.8 | 676.33 | 20.08 | 677.48 |
| W-10A | 20729.8 | 15883.8 | 671.39 | 40.00 | 685.0 |
| W-10B | 20729.8 | 15883.8 | 671.39 | 40.00 | 685.0 |
| W-10.5A | 20970.03 | 15700.3 | 673.39 | 20.04 | 675.14 |
| W-10.5B | 20970.03 | 15700.3 | 673.39 | 20.04 | 675.14 |
| W-11A | 21069.22 | 15945.5 | 672.54 | 19.25 | 677.12 |
| W-11B | 21069.22 | 15945.5 | 672.54 | 19.25 | 677.12 |
| W-12A | 21577.43 | 15955.3 | 673.32 | 19.98 | 671.18 |
| W-12B | 21577.43 | 15955.3 | 673.32 | 19.98 | 671.18 |
| W-16A | 22920.38 | 15959.9 | 672.05 | 35.25 | 670.70 |
| W-16B | 22920.38 | 15959.9 | 672.05 | 35.25 | 670.70 |
| W-18A | 22910.72 | 15959.4 | 671.69 | 35.25 | 671.92 |
| W-18B | 22910.72 | 15959.4 | 671.69 | 35.25 | 671.92 |
| P-1-R | 18253.17 | 15966.1 | 672.59 | 85.26 | 670.86 |
| P-1-B | 18253.17 | 15966.1 | 672.59 | 85.26 | 670.86 |
| P-2-R | 18206.41 | 16104.1 | 715.03 | 50.9 | 711.03 |
| P-2-B | 18206.41 | 16104.1 | 715.03 | 50.9 | 711.03 |
| MW104 | 22924.6 | 17490.9 | 682.49 | 53.26 | 685.31 |
| MW105 | 22946.3 | 17488.1 | 683.10 | 115.16 | 684.64 |
| MW106 | 22946.3 | 17488.1 | 683.10 | 115.16 | 684.64 |
| MW107 | 18212.7 | 18337.7 | 711.80 | 60.96 | 717.76 |
| MW108 | 18307.3 | 18377.4 | 711.86 | 88.03 | 714.87 |
| MW109 | 18346.2 | 18431.6 | 707.57 | 75.44 | 712.01 |
| MW110 | 18414.6 | 18509.8 | 700.27 | 75.44 | 700.31 |
| MW111 | 20780.07 | 15717 | 670.86 | 19.03 | 672.88 |
| MW112 | 20787.06 | 15717.4 | 671.36 | 17.74 | 672.07 |
| MW113 | 21682.06 | 15988.9 | 670.76 | 26.92 | 674.23 |
| MW114 | 21678.15 | 15943.3 | 671.53 | 70.48 | 671.38 |
| MW115 | 22458.48 | 15910 | 671.98 | 26.36 | 671.71 |
| MW116 | 22458.48 | 15921.1 | 671.69 | 63.51 | 671.11 |
| MW118 | 19333.71 | 15729 | 689.91 | 26.22 | 693.91 |
| MW13A | 20720.99 | 15966.4 | 671.77 | 17.39 | 671.6 |
| MW13B | 20720.99 | 15966.4 | 671.77 | 17.39 | 671.6 |
| MW14 | 20424.33 | 16028.9 | 711.36 | 26.04 | 711.33 |
| MW15A | 20485.7 | 16011.6 | 671.19 | 20.00 | 680 |
| MW16A | 19404.7 | 15872.8 | 715.34 | 50.00 | 715.3 |
| MW16B | 19404.7 | 15872.8 | 715.34 | 50.00 | 715.3 |
| MW17C | 19495.53 | 15789.4 | 688.14 | 27.60 | 691.7 |
| MW17D | 19495.21 | 15703.5 | 687.91 | 38.30 | 691.2 |
| MW18A | 18486.07 | 16397.5 | 715.952 | 21 | 715.9 |
| MW18B | 18483.44 | 16693.1 | 715.959 | 39 | 715.9 |
| MW19A | 18435 | 15707.9 | 699.016 | 41.15 | 702.05 |
| MW19B | 18435 | 15707.9 | 699.016 | 41.15 | 702.05 |
| MW19C | 18435 | 15707.9 | 699.016 | 41.15 | 702.05 |
| MW12A | 22175.11 | 15766.6 | 693.24 | 20.00 | 693.2 |
| MW12B | 22180.44 | 15765.9 | 693.02 | 41.05 | 691.1 |
| MW16A | 21175.39 | 15766.2 | 693.56 | 33.10 | 691.7 |

LEGEND

- MONUMENTS ARE FENO SPIKES WITH A POLY ROCK BASE AND ALUMINUM CAP WITH THE STATION STAMPED ON IT.
- PIEZOMETERS. (RADAS PIEZOMETERS IN BOLD FONT)

REFERENCES

- 1) PLANT BOWEN ASH POND. LAND DEPT MAP FILE NO. J-49-2, JUNE 1977.
- 2) PLANT BOWEN BOTTOM ASH POND. LAND DEPT. MAP FILE NO. H-634-4, MAY 2001.
- 3) PLANT BOWEN ASH STORAGE AREA NO. 2. LAND DEPT. MAP FILE NO. H-640-2, MAY 2001.
- 4) PLANT BOWEN ASH POND. LAND DEPT. MAP FILE NO. H-628-12, OCT. 2001.
- 5) PLANT BOWEN ASH STORAGE AREA 3. LAND DEPT. MAP FILE NO. H-725-8, SEPT. 2002.
- 6) PLANT BOWEN ASH POND. LAND DEPT. MAP FILE NO. H-737-3, SEPT. 2002.

APPROVALS

| | | | | | |
|------------------|-----|----------------|----------|------|---------------|
| PROJECT ENGINEER | JFK | SCALE | As Shown | DATE | Nov. 10, 2005 |
| CHECKED | JFK | DRAWING NUMBER | H-944-3 | | |

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GEORGIA POWER CO., ATLANTA, GA.
 Land Department
 Plant Bowen Ash Pond
 (RADAS) Remote Automatic Data Acquisition System
 Site Plan with Piezometers
 Bartow County, Georgia