



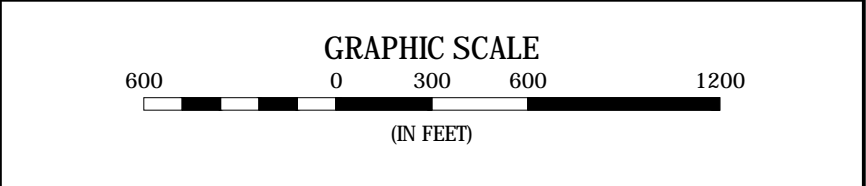
| MONITORING WELLS | | | | | |
|------------------|---------------------------------|-------------|--------------|-------------------------|---------------------------|
| WELL ID | WELL STATUS | NORTHING | EASTING | MEASURING PT FEET (msl) | GROUND SURFACE FEET (msl) |
| MW 4B | BACKGROUND WELL | 194233.8941 | 230888.6525 | 18.09 | 16.90 |
| MW 5C | BACKGROUND WELL | 205903.1285 | 230388.9505 | 14.35 | 14.19 |
| MW 7C | WELL BEYOND COMPLIANCE BOUNDARY | 196600.8144 | 2307567.4378 | 16.98 | 16.77 |
| MW 11 | WELL BEYOND COMPLIANCE BOUNDARY | 202542.0838 | 2306295.0502 | 25.37 | 22.19 |
| MW 12 | WELL BEYOND COMPLIANCE BOUNDARY | 199646.3130 | 2307508.2217 | 20.83 | 18.47 |
| MW 19 | COMPLIANCE BOUNDARY WELL | 197833.5782 | 2307041.3442 | 31.38 | 28.39 |
| MW 21C | COMPLIANCE BOUNDARY WELL | 197773.53 | 2306913.73 | 31.47 | 29.0 |
| MW 22B | COMPLIANCE BOUNDARY WELL | 198349.05 | 2307016.96 | 20.34 | 18.0 |
| MW 22C | COMPLIANCE BOUNDARY WELL | 198349.48 | 2307023.29 | 20.40 | 17.8 |
| MW 23B | COMPLIANCE BOUNDARY WELL | 198967.44 | 2306901.76 | 17.50 | 15.3 |
| MW 23C | COMPLIANCE BOUNDARY WELL | 198972.10 | 2306903.52 | 17.94 | 15.5 |
| MW 24B | COMPLIANCE BOUNDARY WELL | 200712.12 | 2306251.09 | 16.67 | 13.9 |
| MW 24C | COMPLIANCE BOUNDARY WELL | 200716.55 | 2306263.90 | 16.32 | 13.7 |
| MW 27B | COMPLIANCE BOUNDARY WELL | 202585.27 | 2304679.45 | 15.59 | 12.7 |
| MW 28B | WELL BEYOND COMPLIANCE BOUNDARY | 197368.43 | 2307359.97 | 33.07 | 30.2 |
| MW 28C | WELL BEYOND COMPLIANCE BOUNDARY | 197356.57 | 2307354.09 | 32.23 | 29.8 |
| MW 31C | WELL BEYOND COMPLIANCE BOUNDARY | 201046.82 | 2306858.17 | 18.87 | 16.2 |
| MW 32C | WELL BEYOND COMPLIANCE BOUNDARY | 197680.22 | 2307879.04 | 35.57 | 33.48 |
| MW 33C | WELL BEYOND COMPLIANCE BOUNDARY | 197508.34 | 2308275.70 | 25.45 | 22.28 |

LEGEND

- MW-11 MONITORING WELL
- ← GENERALIZED GROUNDWATER FLOW DIRECTION (HIGH CONFIDENCE) SUPPORTED BY GROUNDWATER ELEVATION AND TOPOGRAPHIC DATA
- DUKE ENERGY PROGRESS SUTTON PLANT
- WASTE BOUNDARY
- 500 FT COMPLIANCE BOUNDARY
- NEW HANOVER CO. PARCEL LINE (APPROXIMATE)

NOTE:
 1. CONTOUR LINES ARE USED FOR REPRESENTATIVE PURPOSES ONLY AND ARE NOT TO BE USED FOR DESIGN OR CONSTRUCTION PURPOSES.

- SOURCES:**
- 2014 AERIAL PHOTOGRAPH WAS OBTAINED FROM WSP FLOWN ON APRIL 17, 2014 GATEWAY AT: <http://data.getenergy.ncrs.usda.gov/>
 - 2013 AERIAL PHOTOGRAPH WAS OBTAINED FROM THE NRCS GEOSPATIAL DATA GATEWAY AT: <http://data.getenergy.ncrs.usda.gov/>
 - WELL LOCATIONS AND MEASURING POINTS WERE BASED ON A SURVEY BY JAMES L. HAINES & ASSOCIATES FOR ISH, INC. DATED DECEMBER 23, 2008. ISH DRAWING IS TITLED "POTENTIAL LOCATIONS FOR PROPOSED GEOPROBE AND WELL INSTALLATIONS", DATED FEBRUARY 25, 2009 WITH A CAD FILE NAME: Figure 22.dwg
 - NEW WELL LOCATIONS AND MEASURING POINTS WERE BASED ON A TABLE BY PARAMOUNT ENGINEERING, WILMINGTON NC DATED 2012-03-05 SUPPLIED BY PROGRESS ENERGY. HORIZONTAL DATUM IS NAD83(NSRS2007) AND THE VERTICAL DATUM IS NGV29.
 - THE PROPERTY BOUNDARY FOR THE L.V. SUTTON STEAM ELECTRIC PLANT WAS BASED ON A COMPOSITE MAP PREPARED BY DAVIS-MARTIN-POWELL & ASSOC., INC. THE DRAWINGS ARE DATED JUNE, 1995 WITH REVISION NOTE FOR MARCH 4, 2004. FILE NAME IS L0-9022-7.DWG. HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NGV 29.
 - PARCEL DATA WAS OBTAINED FROM THE NORTH CAROLINA STATE LIBRARIES AT <http://www.lib.ncsu.edu/gis/countries.html> FOR NEW HANOVER COUNTY.
 - THE LOCATION OF THE FORMER ASH DISPOSAL AREAS WAS BASED ON A FIGURE 2-2 PREPARED BY BLAHLAND, BOICK & LEE, INC. THE FIGURE IS TITLED "HORIZONTAL EXTENT OF THE ASH WITHIN THE FORMER DISPOSAL AREA".



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DRAWN BY: S. ARLEDGE DATE: 2014-07-25
 CHECKED BY: H. FRANK DATE: 2014-07-25
 PROJECT MANAGER: KATHY WEBB
 LAYOUT NAME: FIG 1 (GEN GW FLOW)

L.V. SUTTON ENERGY COMPLEX
 801 SUTTON POWER PLANT RD
 WILMINGTON, NORTH CAROLINA

FIGURE 1
GENERALIZED GROUNDWATER FLOW DIRECTIONS