



15A NCAC 02L .0202 (ug/l) where not otherwise indicated		
Sulfate	SO ₄	250 mg/l
Total Dissolved Solids		500 mg/l
Arsenic	As	10
Thallium	Tl	0.2
Antimony	Sb	1
Selenium	Se	20
Lead	Pb	15
Boron	B	700
Iron	Fe	300
Manganese	Mn	50
Cadmium	Cd	2
Mercury	Hg	1

MW-5C

MW-27B

MW-32C

MW-5B

PE-SW2

PE-SW2

NHC-SW4

GH2

BACKGROUND MONITORING WELL (SURVEYED)

COMPLIANCE MONITORING WELL (SURVEYED)

MONITORING WELL (SURVEYED)

EXISTING MONITORING WELLS / PIEZOMETERS / SOIL BORINGS (APPROXIMATE)

DUKE ENERGY PROGRESS PRODUCTION WELL (APPROXIMATE)

DUKE ENERGY PROGRESS PRODUCTION WELL (SURVEYED)

CFPUA PRODUCTION WELL (APPROXIMATE)

INVISTA REPORTED PRODUCTION WELL LOCATION

DUKE ENERGY PROGRESS SUTTON PLANT

500 ft COMPLIANCE BOUNDARY

WASTE BOUNDARY

PARCEL LINE (NEW HANOVER CO GIS)

2007 LIDAR CONTOUR MAJOR

2007 LIDAR CONTOUR MINOR

GENERALIZED GROUNDWATER FLOW DIRECTION
SUPPORTED BY GROUNDWATER ELEVATION DATA OR TOPOGRAPHIC DATA

ANTICIPATED MONITORING WELL LOCATION

AB-4

ANTICIPATED ASH/SOIL BORING LOCATION

APZ-3D

ANTICIPATED GEOLOGIC CROSS SECTION

SOURCES:

1. 2014 AERIAL PHOTOGRAPH WAS OBTAINED FROM WSP FLOWN ON APRIL 17, 2014

2. 2013 AERIAL PHOTOGRAPH WAS OBTAINED FROM THE NRCS GEOSPATIAL DATA GATEWAY AT <http://datagateway.nrcs.usda.gov/>

3. DRAWING HAS BEEN SET WITH A PROJECTION OF NORTH CAROLINA STATE PLANE COORDINATE SYSTEM FIPS 3200 (NAD 83).

4. PARCEL DATA WAS OBTAINED FROM THE NORTH CAROLINA STATE LIBRARIES AT <http://www.lib.ncsu.edu/gis/counties.html> FOR NEW HANOVER COUNTY.

5. 2H CONTOUR INTERVALS FROM NCDOT LIDAR DATED 2007 https://connect.ncdot.gov/resources/gis/pages/cont-elev_v2.aspx

6. 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

7. 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(NRSR2007) AND THE VERTICAL DATUM IS NGVD29.

8. 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 L-D-9022-7.DWG. HORIZONTAL DATUM IS NAD83 AND THE VERTICAL DATUM IS NGV 29.

9. THE LOCATION OF THE FORMER ASH DISPOSAL AREAS WAS BASED ON A FIGURE 2-2 PREPARED BY BLASLAND, BOUCK & LEE, INC. THE FIGURE IS TITLED "HORIZONTAL EXTENT OF THE ASH WITHIN THE FORMER DISPOSAL AREA".

10. MONITORING WELLS/PIEZOMETERS/SOIL BORINGS COMPLETED AT PART OF PREVIOUS ASSESSMENT ACTIVITIES. LOCATIONS ARE APPROXIMATE.

NOTE:

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

GRAPHIC SCALE

600 0 300 600 1200

(IN FEET)

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DRAWN BY: S. ARLEDGE

DATE: 2014-09-25

CHECKED BY: H. FRANK

DATE: 2014-09-25

PROJECT MANAGER: KATHY WEBB

LAYOUT NAME: FIG 4 (CROSS SECTIONS) (24X36)

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

FIGURE 4

ANTICIPATED SAMPLE LOCATIONS