



Permit No.	Scan Date	DIN
<b>8106-INDUS-2009</b>	<b>August 25, 2016</b>	<b>26684</b>

RECEIVED

**August 24, 2016**

Solid Waste Section

Asheville Regional Office

August 23, 2016

526 South Church Street  
Charlotte, NC 28202

Mailing Address:  
PO Box 1006  
Mail Code EC13K  
Charlotte, NC 28201-1006

980-373-2779

704 382 6240 fax

Mr. Larry Frost  
North Carolina Department of Environmental Quality  
Division of Waste Management, Solid Waste Section  
2090 U.S. Highway 70  
Swannanoa, NC 28778

Subject: Duke Energy Corporation  
Rogers Energy Complex  
Coal Combustion Products (CCP) Landfill - Phase II  
Permit No. 8106-INDUS-2009  
Station Forcemain As-built Drawing

Dear Mr. Frost:

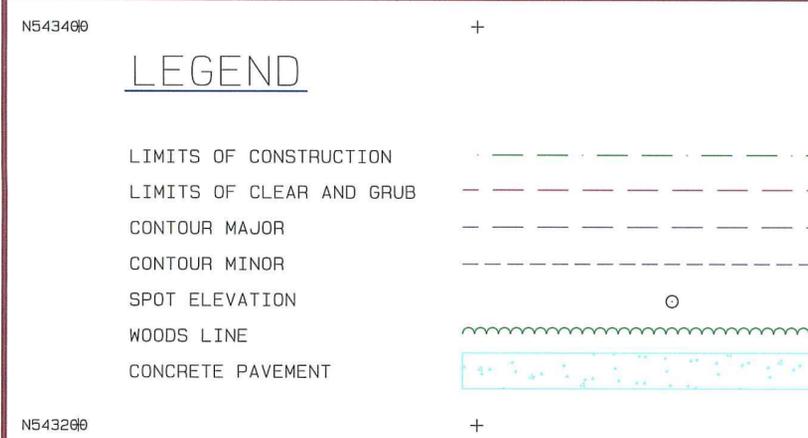
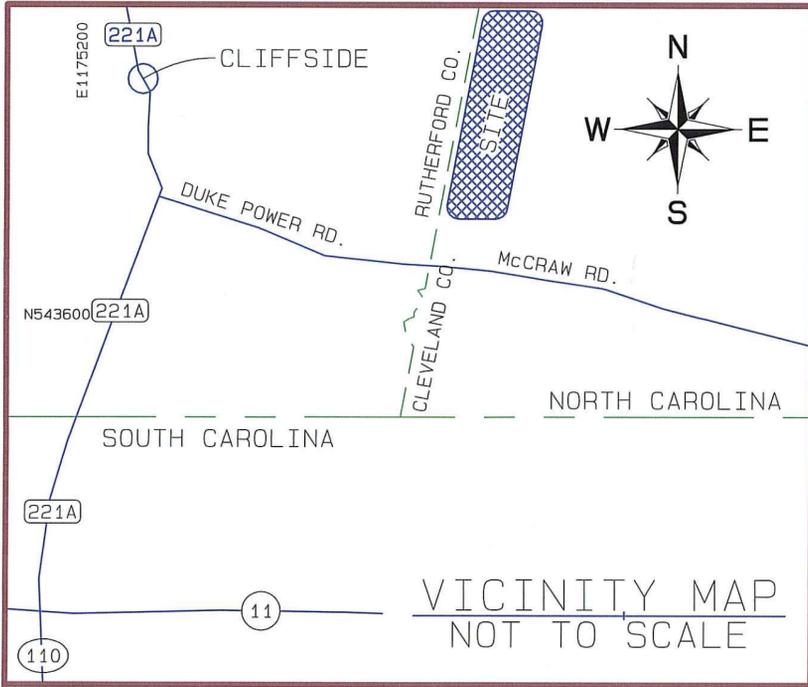
In a letter dated November 6, 2015, Duke Energy provided notification that it had elected to increase environmental containment and control by revising a portion of the leachate forcemain piping from single-walled HDPE pipe to dual contained (double-walled) HDPE pipe. This upgraded portion is north of Duke Power Road on the station property. For your documentation, the plant forcemain as-built drawing prepared by Morgan Corp. is attached.

Should you have any questions or need more information, please contact me at (980) 373-2779 or Ryan.Czop@duke-energy.com.

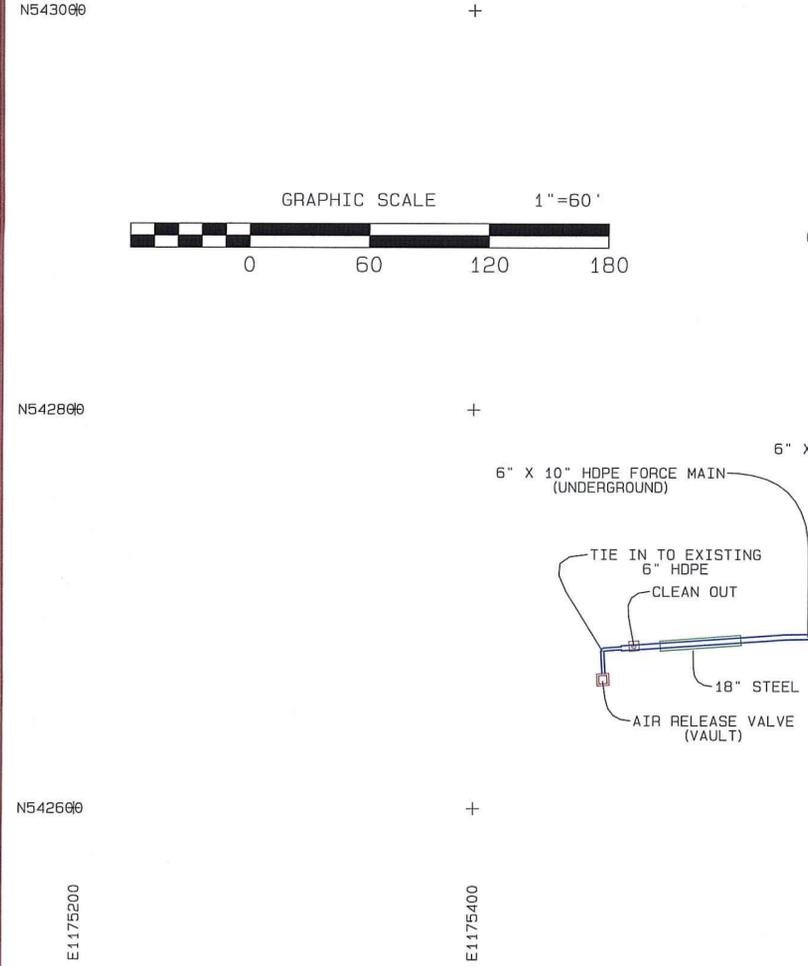
Sincerely,

Ryan Czop, Engineer I  
Environmental Services

Electronic cc: Ms. Shawn McKee - NCDEQ, DWM, SWS  
Ms. Jessica Snyder - Rogers Energy Complex  
Mr. Steve Hodges - Rogers Energy Complex  
Mr. Scott Nordgren - Rogers Energy Complex  
Mr. Zachary Cole - Rogers Energy Complex  
Mr. Kenton Yang - CDM Smith



- NOTES**
1. THE CLEVELAND COUNTY STREET ADDRESS OF THE PROPERTY SHOWN ON THIS SURVEY IS 3065 McCRAW ROAD, BOILING SPRINGS, NORTH CAROLINA 28114
  2. THE CLEVELAND COUNTY TAX PIN FOR THE PROPERTY SHOWN ON THIS SURVEY IS 1574510454.
  3. ALL DISTANCES SHOWN ON THIS SURVEY ARE SURFACE (GROUND) DISTANCES UNLESS OTHERWISE NOTED.
  4. UNITS FOR THIS SURVEY ARE "US SURVEY FEET".
  5. THIS DRAWING WAS CREATED ELECTRONICALLY. THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT UNLESS IT HAS BEEN PROPERLY SEALED AND ORIGINALLY SIGNED BY THE PROFESSIONAL LAND SURVEYOR.

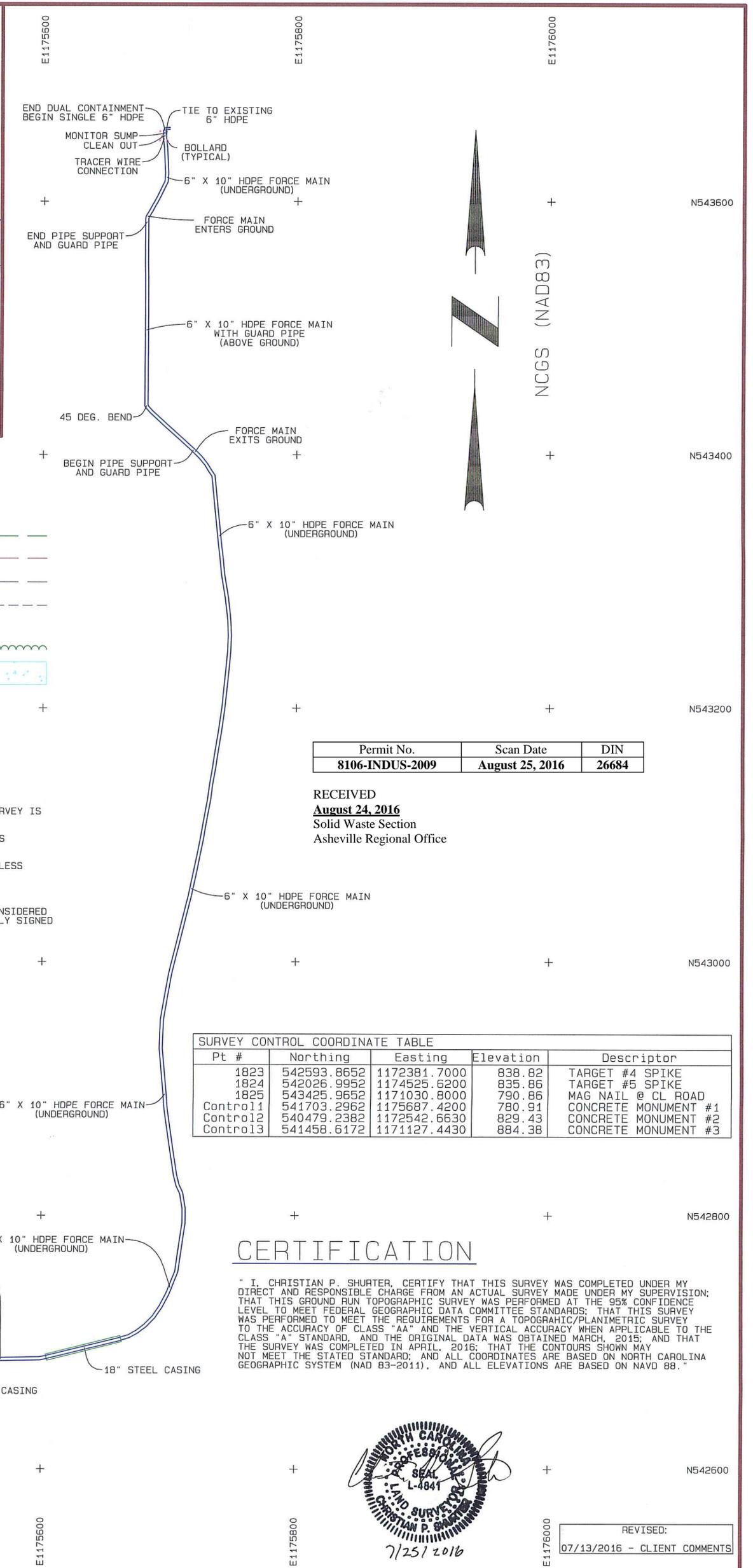


SURVEY FOR:  
**MORGAN CORP.**  
 SITE PREPARATION, UNDERGROUND UTILITIES, AND HEAVY HIGHWAY  
 11700 REAMES ROAD, CHARLOTTE, NC 28269  
 TEL 704-598-9117 FAX 704-598-5973

SURVEY BY:  
**CHRISTIAN P. SHURTER**  
 PROFESSIONAL LAND SURVEYOR  
 4350 CROSS RIDGE DRIVE, GASTONIA, NC 28056  
 TEL 704-619-6415 FAX 704-823-9349

DATE	07/25/2016
SCALE	1" = 60'
DRAWN BY	CPS
CHKD BY	N/A
DRAWING NO.	2588-072
SHEET NO.	1 OF 1

**TOPOGRAPHIC SURVEY**  
 OF  
 DUKE ENERGY  
 CLIFFSIDE STEAM STATION  
 6" X 10" FORCE MAIN  
 CLEVELAND COUNTY NORTH CAROLINA



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Pt #	Northing	Easting	Elevation	Descriptor
1823	542593.8652	1172381.7000	838.82	TARGET #4 SPIKE
1824	542026.9952	1174525.6200	835.86	TARGET #5 SPIKE
1825	543425.9652	1171030.8000	790.86	MAG NAIL @ CL ROAD
Control11	541703.2962	1175687.4200	780.91	CONCRETE MONUMENT #1
Control12	540479.2382	1172542.6630	829.43	CONCRETE MONUMENT #2
Control13	541458.6172	1171127.4430	884.38	CONCRETE MONUMENT #3

**CERTIFICATION**

" I, CHRISTIAN P. SHURTER, CERTIFY THAT THIS SURVEY WAS COMPLETED UNDER MY DIRECT AND RESPONSIBLE CHARGE FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THIS GROUND RUN TOPOGRAPHIC SURVEY WAS PERFORMED AT THE 95% CONFIDENCE LEVEL TO MEET FEDERAL GEOGRAPHIC DATA COMMITTEE STANDARDS; THAT THIS SURVEY WAS PERFORMED TO MEET THE REQUIREMENTS FOR A TOPOGRAPHIC/PLANIMETRIC SURVEY TO THE ACCURACY OF CLASS "AA" AND THE VERTICAL ACCURACY WHEN APPLICABLE TO THE CLASS "A" STANDARD, AND THE ORIGINAL DATA WAS OBTAINED MARCH, 2015; AND THAT THE SURVEY WAS COMPLETED IN APRIL, 2016; THAT THE CONTOURS SHOWN MAY NOT MEET THE STATED STANDARD; AND ALL COORDINATES ARE BASED ON NORTH CAROLINA GEOGRAPHIC SYSTEM (NAD 83-2011), AND ALL ELEVATIONS ARE BASED ON NAVD 88."



7/25/2016

REVISED:  
 07/13/2016 - CLIENT COMMENTS