Waste Management
ENVIRONMENTAL QUALITY

PAT MCCRORY
Governor

DONALD R. VAN DER VAART
Secretary

MICHAEL SCOTT
Director

October 3, 2016

Transmittal via email

Flora D'Souza
Shield Engineering, Inc.
4301 Taggart Creek Road
Charlotte, NC 28208

Re: Request for Asbestos Sampling – Task Order 318RA-14
McAdenville Dump | ID # NONCD0000318
McAdenville Road, McAdenville, Gaston County

Dear Ms. D'Souza:

Please submit a task work plan and cost estimate to perform remedy phase activities at the above referenced site. Conduct these activities in accordance with State Contract No. N15003i.

Investigation Goals: Conduct asbestos sampling in waste on the Simpson property.

Scope of Work for Task Order 318RA-14

- Prepare the work plan in accordance with Shield Engineering Inc.'s approved standard operating procedures dated July 1, 2016, and include a schedule of daily activities.
- Submit an itemized cost estimate that identifies personnel and materials involved.
- Reference the most recent Guidelines for Addressing Pre-Regulatory Landfills and Dumps for details regarding procedures.
- Minimize the clearing of vegetation to enable access to proposed surveying points. Using hand tools for clearing is the preferred method, otherwise an explanation must be provided for use of heavy equipment.
- Before task activities begin, photograph areas or objects that may be disturbed. If needed, photograph affected areas and objects, restoration efforts, and noteworthy items encountered during task activities. Submit these photographs upon completion of activities, and a review will determine if any need to be included in the report.

<u>Asbestos Sampling</u>

- Advance soil borings on the Simpson property at the approximate locations shown on the attached map.
- Utilize staff trained to identify and visually inspect drilling cuttings for the presence of suspected asbestos containing materials (ACM).
- Collect one waste sample per five feet of waste thickness at each boring location and prepare it for laboratory analysis by E.P.A. Method 600/R-93/116 for qualitative analysis. If suspected ACM materials are encountered in a boring, then collect a bulk sample and have it analyzed by E.P.A. Method 600/R-93/116 for quantitative analysis.
- Continuously log each boring during the course of drilling activities and include a description of waste material encountered. Note the depth to waste and the waste thickness at each boring location in order to help estimate the volume of waste on this parcel.

Report

Provide a letter report of the sampling procedures and the results as well as a copy of the laboratory analytical and quality control data.

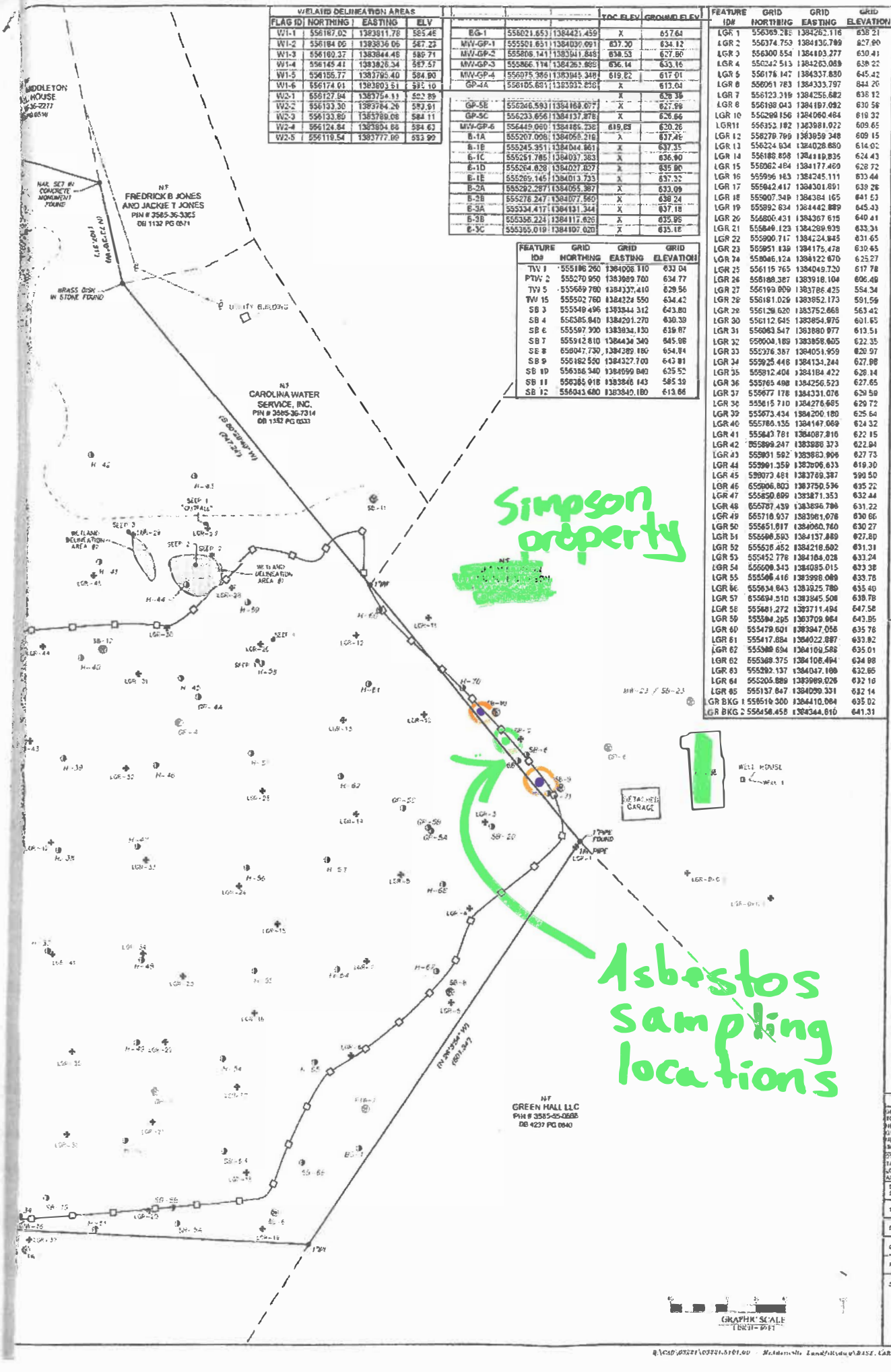
Provide the work plan and cost estimate by October 10, 2016. A task authorization to begin work will be issued based on the approved proposal. Do not proceed with tasks prior to receiving this authorization. Please contact me at 919-707-8331 or thomas.slusser@ncdenr.gov if you have any questions.

Best regards,

Thomas Slusser

Thomas Slusser, L.G., C.E.E.
Pre-Regulatory Landfill Unit
Division of Waste Management

Attachment: Figure showing asbestos sampling locations



WETLAND DELINEATION AREAS			
FLAG ID	NORTHING	EASTING	ELV
W1-1	556187.02	1383811.78	585.46
W1-2	556184.06	1383836.06	587.23
W1-3	556160.37	1383844.46	589.71
W1-4	556145.41	1383826.34	587.57
W1-5	556156.77	1383795.40	584.90
W1-6	556174.01	1383803.51	581.10
W2-1	556127.94	1383764.11	592.89
W2-2	556133.30	1383784.26	589.91
W2-3	556133.80	1383789.08	584.11
W2-4	556124.84	1383804.88	584.63
W2-5	556119.54	1383777.99	583.99

			TOC ELEV	GROUND ELEV
EG-1	556021.653	1384421.459	X	657.64
MW-GP-1	555901.651	1384030.091	637.30	634.12
MW-GP-2	555806.141	1383941.848	630.53	627.80
MW-GP-3	555866.114	1384263.889	636.14	633.16
MW-GP-4	556075.386	1383945.348	619.82	617.01
GP-4A	556105.681	1383932.836	X	613.04
			X	620.36
GP-5E	556246.593	1384168.077	X	627.96
GP-5C	556233.656	1384137.878	X	626.66
MW-GP-6	556449.060	1384185.238	619.69	620.26
B-1A	555207.008	1384058.216	X	637.46
B-1B	555245.351	1384044.861	X	637.35
B-1C	555251.785	1384037.363	X	636.90
B-1D	555264.828	1384027.827	X	635.80
B-1E	555269.145	1384013.733	X	637.32
B-2A	555292.287	1384055.387	X	633.09
B-2B	555276.247	1384077.560	X	638.24
B-3A	555334.417	1384131.344	X	637.18
B-3B	555356.224	1384117.626	X	635.96
B-3C	555365.019	1384107.020	X	635.18

FEATURE ID#	GRID NORTHING	GRID EASTING	GRID ELEVATION
TW 1	555186.260	1384006.110	633.04
PTW 2	555270.950	1383989.700	634.77
TW 5	555669.760	1384337.410	629.56
TW 15	555502.760	1384224.550	634.42
SB 3	555549.496	1383944.312	643.80
SB 4	556385.840	1384201.270	630.39
SB 6	555597.300	1383934.130	639.87
SB 7	555942.810	1384434.340	645.98
SB 8	556047.730	1384389.160	654.84
SB 9	556182.550	1384327.700	643.81
SB 10	556386.340	1384099.840	625.52
SB 11	556385.018	1383848.143	585.39
SB 12	556043.680	1383840.180	613.66

FEATURE ID#	GRID NORTHING	GRID EASTING	GRID ELEVATION
LGR 1	556369.285	1384262.116	638.21
LGR 2	556374.753	1384136.789	627.90
LGR 3	556300.554	1384183.277	630.41
LGR 4	556242.513	1384263.089	638.23
LGR 5	556176.147	1384337.830	645.42
LGR 6	556061.783	1384333.797	644.26
LGR 7	556123.319	1384255.682	638.12
LGR 8	556188.043	1384187.092	630.58
LGR 10	556289.156	1384060.464	619.32
LGR11	556353.182	1383981.922	609.65
LGR 12	556279.769	1383959.348	609.15
LGR 13	556224.934	1384028.680	614.02
LGR 14	556188.898	1384189.835	624.43
LGR 15	556062.484	1384177.469	628.72
LGR 16	555996.183	1384245.111	633.44
LGR 17	555942.417	1384301.891	639.28
LGR 18	555907.349	1384384.165	641.53
LGR 19	555892.834	1384442.889	645.43
LGR 20	556800.431	1384367.615	640.41
LGR 21	555849.123	1384289.939	633.34
LGR 22	555900.717	1384234.945	631.65
LGR 23	555951.139	1384175.478	630.65
LGR 24	556046.124	1384122.670	625.27
LGR 25	556115.765	1384049.720	617.78
LGR 26	556188.387	1383918.104	606.49
LGR 27	556199.809	1383786.425	554.34
LGR 28	556181.029	1383852.173	591.59
LGR 29	556129.620	1383752.668	563.42
LGR 30	556112.645	1383854.975	601.65
LGR 31	556063.547	1383880.977	613.51
LGR 32	556008.189	1383858.605	622.35
LGR 33	555976.387	1384051.959	620.97
LGR 34	555925.446	1384134.244	627.98
LGR 35	555812.404	1384184.422	628.14
LGR 36	555765.498	1384256.523	627.65
LGR 37	555677.178	1384331.076	629.59
LGR 38	555615.710	1384276.685	629.72
LGR 39	555673.434	1384200.180	625.64
LGR 40	555786.935	1384147.069	624.32
LGR 41	555843.781	1384087.816	622.15
LGR 42	555899.247	1383986.373	622.94
LGR 43	555931.592	1383883.906	627.73
LGR 44	555901.359	1383806.633	619.30
LGR 45	556073.481	1383789.387	599.50
LGR 46	555906.803	1383750.536	625.22
LGR 47	555850.899	1383871.353	632.44
LGR 48	555787.439	1383896.786	631.22
LGR 49	555718.937	1383981.078	630.66
LGR 50	555651.817	1384060.760	630.27
LGR 51	555598.593	1384137.889	627.80
LGR 52	555536.452	1384218.602	631.31
LGR 53	555452.776	1384184.028	633.24
LGR 54	555600.343	1384085.015	633.38
LGR 55	555566.416	1383998.089	633.78
LGR 56	555634.843	1383925.789	635.40
LGR 57	555694.510	1383845.508	639.78
LGR 58	555681.272	1383711.494	647.58
LGR 59	555594.295	1383709.964	643.85
LGR 60	555479.601	1383947.058	635.78
LGR 61	555417.884	1384022.887	633.82
LGR 62	555388.694	1384109.588	635.01
LGR 63	555369.375	1384108.494	634.98
LGR 63	555292.137	1384047.169	632.65
LGR 64	555205.889	1383969.026	632.16
LGR 65	555137.847	1384099.331	632.14
LGR BKG 1	556519.300	1384410.064	635.02
LGR BKG 2	556458.458	1384344.810	641.31

URS

SURVEY PREPARED FOR

Taylor Wiseman & Taylor
ENGINEERS / SURVEYORS / SCIENTISTS
700 FOREST POINT CIRCLE, SUITE 118, CHARLOTTE, NC 28273
TELEPHONE: (704) 527-2535 FAX: (704) 527-2537
www.taylorwiseman.com
NC Certificate of Authorization No. F-0382

SURVEY PERFORMED BY

TWT

TOPOGRAPHIC SURVEY
MCADENVILLE CONTAMINANT DELINEATION
URS CORPORATION
GASTON COUNTY - MCADENVILLE, NC

REVISIONS	BY
04-16-12 UPDATED MAP AND TABLES TO SHOW NEWLY INSTALLED FEATURES: (NEW HAND AUGER POINTS (HAXX), (GAB PROBES (GPXX) (NEW SOIL BORING LOCATIONS (SBXX / BXX))	LDH
07-04-13 UPDATED MAP AND TABLES TO SHOW NEWLY LOCATED WETLAND DELINEATION AREAS #1, #2	LGR

DATE OF SURVEY	JAN 04 2013
SCALE	1" = 60'
DRAWN BY	LGR
CHECKED BY	JAMES PEARSALL PLS
PROJECT	06281.3101.01
SHEET	1 / 1

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