RECEIVED
MAR 27 2009
AIR QUALITY
STATIONARY SOURCE COMPLIANCE

| Phase No. | Area (Ac.) (acres) | Area (He) (hectares) | Samples per hectare (calculated) | Samples per hectare (adjusted) |
|---|---|---|---|---|
| Ph 1&2 | 22.1 | 8.9 | 9.6 | 9 |
| Ph 3 | 20.2 | 8.2 | 8.8 | 9 |
| Ph 4 | 31 | 12.5 | 13.5 | 14 |
| Ph 5 | 19.2 | 7.8 | 8.3 | 8 |
| Ph 4A (c1&2) | 22.7 | 9.2 | 9.9 | 10 |
| **Total** | **115.2** | **46.6** | **50.0** | **50.0** |
| conversion factors | | | | |
| 1 acre = | 0.404686 hectares | | | |
| 50 samples = | 1.07 samples per hectare | | | |

## NOTES

1. SAMPLE POINTS ARE CHOSEN TO:
   A) DISTRIBUTE EQUALLY 50 POINTS BETWEEN ALL LANDFILL PHASES;
   B) UTILIZE EXISTING PASSIVE VENTS AS APPROPRIATE;
   C) AVOID PENETRATION OF CLOSED OR CAPPED AREAS;
   D) AVOID PENETRATION OF BASE LINERS IN AREAS WHERE IT IS NEAR THE SURFACE;
   E) AVOID AREAS OF ACTIVE OPERATIONS;
   F) AVOID AREAS OF C&D WASTE AT THE SURFACE;
   G) AVOID AREAS OF MSW WASTE LESS THAN 2 YEARS OLD AT THE SURFACE; AND
   H) PROVIDE ACCESSIBILITY TO SAMPLING EQUIPMENT, VEHICLES, AN
2. ALL PROPOSED LOCATIONS ARE APPROXIMATE, AND SUBJECT TO CH
   CONDITIONS ENCOUNTERED IN THE FIELD.
3. FINAL SAMPLE LOCATIONS WILL BE LOGGED WITH A GPS UNIT, AND L
   FINAL TIER 2 SAMPLE REPORT.

## LEGEND

- EXISTING 10' CONTOUR (SEE REFERENCE 1)
- EXISTING 2' CONTOUR
- PROPERTY LINE
- LIMIT OF LINED AREA
- PASSIVE VENTS – PROPOSED SAMPLE LOCATION POINT
- PASSIVE VENTS – NOT SAMPLED
- PROPOSED SAMPLE LOCATION POINT
- EXISTING WASTE (CLOSED)
- PHASE 4A LIMITS (LINED) (ACTIVE)
- C&D LIMITS
- LIMITS OF COMPACTED CLAY CAP
- LIMITS OF GCL OR GEOMEMBRANE CAP

## REFERENCES

1. OVERALL SITE TOPOGRAPHY PROVIDED BY GEODATA CORPORATION, BASED ON MARCH 8, 2001 AERIAL PHOTOGRAPHY. TOPOGRAPHY IN LANDFILL AREA PROVIDED BY GEODATA CORPORATION BASED ON JUNE 6, 2008 AERIAL PHOTOGRAPHY. TOPOGRAPHY IN BORROW AREAS PROVIDED BY GEODATA CORPORATION BASED ON MAY 20, 2007 AERIAL PHOTOGRAPHY.

0 150' 300' 450'

| NO. | DATE | REVISION |
|---|---|---|


RICHARDSON SMITH GARDNER & ASSOCIATES
14 N. Boylan Ave.
Raleigh, N.C. 27603
ph: 919-828-0577
fax: 919-828-3899
www.rsgengineers.com


SEAL

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PROJECT TITLE:
JOHNSTON COUNTY MSW LANDFILL
TIER 2 SAMPLING EVENT

DRAWING TITLE:
EXISTING CONDITIONS
TIER 2 SAMPLING EVENT
PROPOSED SAMPLE LOCATIONS

| | |
|---|---|
| DESIGNED BY: M.S.L. | DRAWN BY: C.T.J. |
| CHECKED BY: | PROJECT NO.: JOHN 08-6 |
| SCALE: AS SHOWN | DATE: MAR. 2009 |
| FILE NAME: JOHN-D0551 | |
| SHEET NO. | DRAWING NO. FIG. 1 |

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