

October 10, 2016

MEMORANDUM

TO: FILE

FROM: Analee Thornburg
Pre-Regulatory Landfill Unit

RE: Bingham Park
NONCD0000244
Greensboro, Guilford County

Bingham Park Pre-Regulatory Landfill is composed of 8 parcels owned by the City of Greensboro (the City) and Guilford County Board of Education. Health risks at the site were evaluated separately by parcel ownership and location.

**Bingham Park is also a neighborhood/city park (Bingham City Park) located between Bingham Street and S. English Street.

→ Bingham City Park: City of Greensboro Property (PIN 7874545922):

The highest levels for all detections in solid media for Parcel 7874545922 (Bingham City Park) were entered into the IHSB Residential Soil Risk Calculator (version 11/2015). The cumulative excess cancer risk was 1.29×10^{-5} , which does not exceed the USEPA and NCDENR maximum allowable excess cancer risk of 1×10^{-4} . The hazard index for non-carcinogenic risk was 6.22×10^{-00} , which is *greater than* the USEPA and NCDENR maximum allowable hazard index of 1. This exceedance is due to the presence of lead in excess of 10,000 mg/kg in the soil. The areas of lead at these levels were defined in the remedial investigation, and those soils will be removed in the remedy.

→ Western Parcels: City of Greensboro Property (PIN 7874458011):

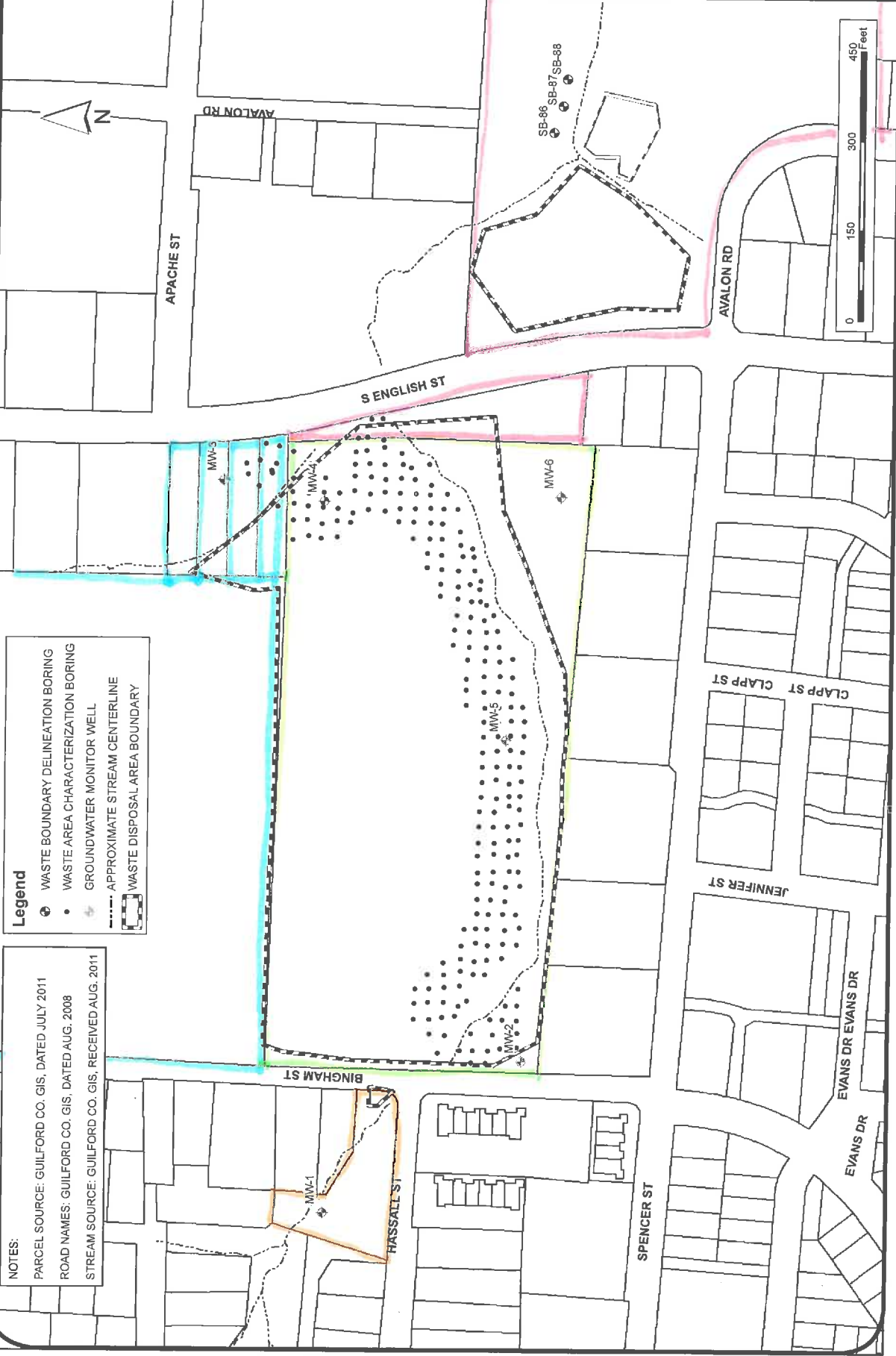
The highest levels for all detections in solid media west of Bingham Street were entered into the IHSB Residential Soil Risk Calculator (version 11/2015). The cumulative excess cancer risk was 8.15×10^{-7} , which does not exceed the USEPA and NCDENR maximum allowable excess cancer risk of 1×10^{-4} . The hazard index for non-carcinogenic risk was 7.34×10^{-01} , which is less than the USEPA and NCDENR maximum allowable hazard index of 1. Based on these results, this parcel is suitable for a containment remedy in solid media due to the Bingham Park Landfill.

→ Northern Parcels: City of Greensboro Property (PINs 7874554417, 7874559138, 7874559233, 7874559238, and 7874559333):

Properties to the north of Bingham City Park include the Maplewood Cemetery and four parcels owned by the City. The highest levels for all detections in solid media north of "Bingham Park" were entered into the IHSB Residential Soil Risk Calculator (version 11/2015). The cumulative excess cancer risk was 9.44×10^{-7} , which does not exceed the USEPA and NCDENR maximum allowable excess cancer risk of 1×10^{-4} . The hazard index for non-carcinogenic risk was 1.43×10^{-01} , which is less than the USEPA and NCDENR maximum allowable hazard index of 1. Based on these results, these parcels are suitable for a containment remedy in solid media due to the Bingham Park Landfill.

→ Eastern Parcels: City of Greensboro Property and Guilford County Board of Education Property (PINs 7874641800 and 7874647410):

Properties to the east of Bingham City Park include a parcel owned by the City and a parcel owned by Guilford County Board of Education. The highest levels for all detections in solid media were entered into the IHSB Residential Soil Risk Calculator (version 11/2015). The cumulative excess cancer risk was 4.05×10^{-6} , which does not exceed the USEPA and NCDENR maximum allowable excess cancer risk of 1×10^{-4} . The hazard index for non-carcinogenic risk was 3.12×10^{-1} , which is less than the USEPA and NCDENR maximum allowable hazard index of 1. Based on these results, these parcels are suitable for a containment remedy in solid media due to the Bingham Park Landfill.



- Legend**
- ⊕ WASTE BOUNDARY DELINEATION BORING
 - WASTE AREA CHARACTERIZATION BORING
 - ⊕ GROUNDWATER MONITOR WELL
 - APPROXIMATE STREAM CENTERLINE
 - ⊠ WASTE DISPOSAL AREA BOUNDARY

NOTES:
 PARCEL SOURCE: GUILFORD CO. GIS, DATED JULY 2011
 ROAD NAMES: GUILFORD CO. GIS, DATED AUG. 2008
 STREAM SOURCE: GUILFORD CO. GIS, RECEIVED AUG. 2011