



Report of Phase I
Environmental Site Assessment
Florian Midrise
Raleigh, North Carolina
prepared for
The Florian Companies

Prepared by

TerraTech Engineers, Inc.
NC Engineering Corporation C-1356
4905 Professional Court
Raleigh, NC 27609
919-876-9799

July 29, 2013

Mr. John Florian
The Florian Companies
Jeflorian@floriancompanies.com

**Report of Phase I
Environmental Site Assessment
Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911**

Gentlemen:

TerraTech Engineers, Inc. has completed a Phase I Environment Site Assessment for the above referenced property. These services were requested and authorized by Mr. John Florian of The Florian Companies. The results of our findings are enclosed herein. This report and our observations are intended solely for the benefit of The Florian Companies and its affiliated organizations, and may not be used or relied upon by any other party without our prior written consent.

PURPOSE AND CONDITIONS

The primary purpose of the Phase I Environmental Site Assessment (PESA) was to evaluate the potential for present or past contamination of the soil, ground water or surface water at the site with hazardous substances. This was accomplished by performing a site reconnaissance, reviewing several databases concerning present and past site activities, and reviewing government lists of sites in the area with known hazardous substance activity.

The findings and opinions conveyed via this PESA report are based on information obtained from a variety of sources enumerated herein, and which TerraTech Engineers, Inc. believes are reliable. Nevertheless, TerraTech Engineers, Inc. cannot and does not guarantee the authenticity or reliability of the information it has relied upon.

Although we performed a reconnaissance at the subject site to observe for hazardous substance activity, it is possible that evidence of such activity exists at the site which is not readily visible. Evidence of hazardous substance activity may exist below the ground surface, below a thick growth of vegetation, or at some other location where the view is obstructed or access is prevented. In general, we expended reasonable effort to perform observations in these areas. However, we did not perform excavations, removal of vegetation, or other effort to obtain visual access to these areas.

This report is subject to the limitations in ASTM E-1527(05), *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This assessment did not include an evaluation of any additional issues, as described in section 13 of ASTM E-1527(05), such as asbestos containing materials, radon, lead based paint, lead in drinking water, and wetlands. This study also did not include any sampling or testing of ground water, methane, or other materials at the site. However, two soil samples were obtained from the site for testing to evaluate the possible presence of petroleum hydrocarbons. In short, the site reconnaissance was intended to investigate for conditions which indicate to us the possible presence of hazardous materials at the site. Such reconnaissance does not definitively demonstrate the existence of, or the absence of, hazardous substances.

METHODOLOGY USED

A site reconnaissance was performed to observe for indications that hazardous substances or hazardous wastes might have been stored on, disposed of, or utilized in bulk quantities on the property. Hazardous substances and hazardous wastes are many and varied. They include mineral substances such as asbestos; inorganic substances such as metals, metal salts, and acids; and organic chemicals such as fuels, pesticides, polychlorinated biphenyls (PCB's) and solvents.

The visual reconnaissance was made to observe for the presence of the following specific conditions (hereinafter the "conditions"):

- evidence of imported fill soils
- evidence of spills at the ground surface
- areas of dead, dying or distressed vegetation
- unnaturally stained or discolored surface soils
- unnaturally colored or milky seepage or seepage causing obvious precipitation of solids
- oil slicks or scum on surface waters
- chemical odors
- above ground storage tanks
- vertical pipes, casings or other evidence of underground storage tanks
- barrels or hazardous waste storage areas
- electrical transformers

A review of pertinent federal and state regulatory agency listings was performed by our consultant, Environmental Data Resources, Inc. The listings provide information concerning hazardous substance and hazardous waste activity that has been reported to State or Federal regulatory agencies. We reviewed their findings and located selected unmapped sites to determine if any sites were present within ASTM minimum search distances. A copy of their Executive Summary is included as Appendix II.

We reviewed aerial photographs online at the Wake County GIS website, Google Earth photographs, and photographs in our files. These photographs dated back to 1959.

We reviewed chain-of-ownership information at the Wake County GIS website and the Wake County Register of Deeds website. The names of previous owners of the property can provide indications of past site usage and possibly previous hazardous substance activity at the site.

SITE DESCRIPTION AND OBSERVATIONS

The subject site consists of three parcels (Wake County PIN#s 1703888477, 1703889581, and 1703889388) located just to the northeast of the intersection of East Hargett Street and South Bloodworth Street in Raleigh, North Carolina. The property location is shown on the enclosed Figure 1 in Appendix I. The property boundaries, as obtained from the Wake County GIS web site, are shown on Figure 2 in Appendix I. The topography of the site and surrounding areas, as noted on the Wake County GIS website, is provided on Figure 3 in Appendix I. An Aerial photograph of the site, obtained from the Wake County GIS website, is enclosed as Figure 4 in Appendix I.

We performed a site reconnaissance on July 11, 2013. The majority of the property is currently occupied by a paved parking lot. There are general photographs of the property included as Pictures 1 through 6 in

Appendix IV. There are overhead electrical lines along South Bloodworth Street and East Hargett Street. No pole-mounted electrical transformers were observed on the subject property. Numerous stains on the asphalt, as shown in Photo 6 in Appendix IV, were visible throughout the parking lot. Other than the stained asphalt, none of the other "environmental conditions" described above were observed at the site.

In order to evaluate the possible presence of petroleum hydrocarbons in the soils at the site, we obtained soil samples from a test boring performed in the northwestern portion of the subject site. Appropriate decontamination of our drilling and sampling equipment was performed prior to obtaining our samples. Two soil samples were sent to our consultant, Pace Analytical Services, Inc., for testing. Both samples encountered elevated levels of petroleum hydrocarbons. The test results are provided in Appendix III.

The adjoining properties are generally residential, office property or vacant. The property to the south across Hargett Street is vacant. There is a playground on the adjacent lot to the south. The adjacent properties to the north include a church and residential and historic homes occupied by offices. The US Federal Courthouse is located to the west across Bloodworth Street. A city cemetery is located to the east across East Street. Site topography is sloping downwards to the southeast. Relief across the site is approximately 15 feet.

RECORDS REVIEW

We have reviewed the Wake County GIS topographic map for the site and surrounding areas to provide information regarding the topography of the site and surrounding areas. A copy of this map is included as Figure 3 in Appendix I. Based on our review of this map, and our observations at the site, it appears that the ground surface is generally sloping downwards to the southeast.

The site is located in the Piedmont Geologic Province of North Carolina. Soils in this area have been formed by the weathering of the underlying rock, and are classified as residual soils. The Wake County Soil Survey map indicates that the soils are Cecil Series soils. Based on our experience in the vicinity of the site, the soils are generally expected to consist of sandy silts and silty sands. The soils generally take on the character of the underlying parent rock with depth, and are referred to as weathered rock in areas directly above the surface of the rock.

Ground water is often a means of transporting contaminants from one area to another. Since ground water flow often mirrors surface water drainage patterns, the direction of ground water flow can sometimes be estimated by ground surface topography. Based on our review of the Wake County GIS topographic map, and the results of our site walkover, it appears that surface water flow, and probably ground water flow, is to the southeast at the subject site. However, a detailed analysis of ground water flow is beyond the scope of this study. Additionally, the direction of ground water flow may change depending on seasonal fluctuations and other hydrogeological factors.

The current surface water drainage area for the subject site is generally bounded by the eastern, western and southern property lines, and a knoll located near the New Bern Avenue and South Bloodworth Street intersection to the north. Development in the surface water drainage area generally consists of the subject site and residential or commercial properties to the north.

We have reviewed aerial photographs of the site and surrounding properties from the Wake County GIS website. The reviewed photographs include the following:

- Wake County GIS Aerial Photographs for 1981, 1988, 1999, 2002, and 2004 through 2012
- Google Earth Aerial Photographs for 1993, 1998, 2002, and 2005 through 2010
- Aerial Photographs for 1959, 1965, 1968, 1971, 1981, 1983, 1993, 1998, 2000, 2005, 2006, 2008 from our files

The reviewed aerial photographs indicate that the site was residential between 1959 and 1983. The 1965 and 1968 reviewed photographs indicate that demolition of the high school to the west took place between this time, and construction of the USPS building in the same location occurred between 1968 and 1971. The 1983 reviewed photograph indicated that the majority of the subject site was a paved parking lot. The 1988 reviewed photograph indicated that the last residential home at the subject site had been demolished and replaced with a parking lot. There was development on the northern adjoining lot between 2006 and 2007. Other than the development on the northern adjoining lot, the development to the west, and the subject sites transformation to a parking lot, the area has remained relatively the same since 1959.

We have reviewed Sanborn fire insurance maps to determine past property use. These maps indicate that the subject property was residential from 1896 through 1972. These maps are provided in Appendix II.

Based on our review of the Wake County GIS records, the current property owner is the United States Postal Service. The United States Postal Service has owned the three parcels since 1984. Previous owners of the property have included Mr. Constantine Dombalis, Mr. Ernest Charles, Mr. Barney Joyner, Mr. W.K. Rand, Miss Octavia C. Rand, Mr. Otis Jones, Mr. Neil A. Spence, Mr. W.O. Smith, Mr. C.H. Belvin, the Trustees of Wake Forest College, Mr. Jimmy Britt, Miss Charlotte Flanagan, Mr. and Mrs. Sam Lee, Ms. Evelyn Grant, Mr. Walter Bailey, Mr. Jerry Buffaloe, Ms. Sallie Broughton, Mr. J.M. & E.H. Broughton, Mr. Pete Gourmas, Ms. Maude Jones Spencer, and Mrs. Laura Smith. This ownership information, as obtained from the Wake County tax records and Wake County Register of Deeds office, dates back to 1891. This ownership information provides no indication to us, based solely on the names mentioned, of past use, storage or disposal of hazardous wastes at the site.

We have interviewed Ms. Ann Yarnell, Facilities Environmental Specialist at the United States Postal Service. USPS is the current owner of the property. Ms. Yarnell informed us that she is unaware of any environmental concerns, environmental cleanup liens, or AULs associated with the subject property, and that the price to be paid for the property represents the current fair market value of the property.

We have also interviewed Mr. John Florian, owner of The Florian Companies, and expected user of this report. Mr. Florian informed us that he is unaware of any environmental concerns, environmental cleanup liens, or AULs associated with the subject property, and that the price to be paid for the property represents the current fair market value of the property. Mr. Florian referenced a Phase I Environmental Site Assessment that TerraTech Engineers performed in the past for property located to the south of Hargett Street. This report mentioned a former gas station and remediation of groundwater contamination at the corner of East Martin Street and South East Street. This site is outside of the surface water drainage area of the subject site and is also listed as being closed out by the NC Department of Environment and Natural Resources (NCDENR).

We have contacted members of the Raleigh Fire Department regarding the subject property. They directed us to a website to search for reports for the subject property as well as adjacent properties. Multiple spills from vehicle accidents and vehicle fires have been reported on the adjacent properties, as well as one vehicle fire occurring at the subject site. The Fire Department reports state that Sphag-sorb® was used to absorb any hazardous waste or petroleum product spills from the vehicles. Two incident responses located

at 310 New Bern Avenue were listed as hazardous materials. The reports indicate that white powder was found on two different occasions. The suspicious materials were properly contained, packaged and sent to SBI and FBI for further investigation.

Information regarding regulatory listed sites in the vicinity of the subject site was obtained by reviewing information provided by our consultants, Environmental Data Resources, Inc. This information is provided in the enclosed Appendix II. The subject site was not present in the reviewed listings. However, there are a number of incidents located within the ASTM minimum search distances from the subject site. These incidents include: one RCRA-SQG site, two RCRA-CESQG sites, three State equivalent National Priority List sites, nine State equivalent CERCLIS sites, forty-five Leaking Underground Storage Tank (LUST) sites, seven LUST Trust Fund sites, seven Leaking Above-Ground Storage Tank sites, six underground storage tank sites, and five Brownfields sites. One of the leaking underground storage tank sites is listed as the United States Postal Service, and is the adjacent property to the west. The address of this site is listed as 310 New Bern Avenue. This address also appears in the EDR report as United States General Services Administration. Both listings are in response phase and state in the reports that there was major soil contamination but no groundwater contamination.

Based on our review of the listings, and review of topographic map of the area surrounding the subject site, three of the listed properties are located within the surface water drainage area of the subject property. These three sites include two underground storage tank (UST) sites and one RCRA small quantity hazardous waste generator site. There were no reported leaks or spills of hazardous materials or petroleum products at these three sites. Additionally, the US Postal Service, which owns the subject site, has a listing for a leaking underground fuel storage tank. Based on our review of available records, this petroleum incident occurred on the adjoining property to the west across Bloodworth Street. This property appears to be located cross-gradient from the subject site, and not within the surface water drainage area of the subject site.

A review of the EDR US Historic Auto Station and Cleaners list, as provided by EDR, has revealed that there is one EDR US Historic Auto Station site within approximately 0.25 miles of the subject property. The EDR US Historic search also revealed two cleaners sites within 0.25 miles of the subject property. None of the EDR US Historic sites listed within the surface water drainage area of the subject site have been found to have contaminated soils or groundwater.

FINDINGS AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E-1527(05) of the properties located at South Bloodworth Street in Raleigh, North Carolina (Wake County GIS pin #s 1703888477, 1703889581, and 1703889388). Any exceptions to, or deletions from this practice are described in the Purpose and Conditions section of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except the following:

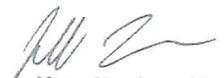
- (1) There are numerous incidents of petroleum spills within close proximity to the subject site. Additionally, the former use of the subject property for residential purposes during the middle of the 20th century indicates that above ground or underground fuel storage tanks have likely been present for fuel oil on the property. There are numerous stains on the pavement surface at the property consistent in appearance with small leaks or petroleum products from vehicles. Due to these potential sources of petroleum, soil samples were obtained and tested for the presence of petroleum hydrocarbons. The soil samples tested exhibited elevated levels of petroleum

hydrocarbons consistent with a release of petroleum products to the environment at the subject site. Further investigation is recommended to determine the horizontal and vertical extent of petroleum contaminated soils at the site. An evaluation of the possible presence of petroleum products in the ground water at the site is also recommended.

* * * * *

We have appreciated the opportunity to provide these services. If you have any questions concerning this information, or if we may be of additional service, please do not hesitate to contact us.

Sincerely,
TerraTech Engineers, Inc. (C-1356)


Jeff A. Taylor, EI
Engineering Intern

JAT/sk

Enclosures


Erwin T. Williams III, P.E.
Principal Environmental Consultant



Report of Phase I
Environmental Site Assessment
Florian Midrise
Raleigh, North Carolina
prepared for
The Florian Companies

Prepared by
TerraTech Engineers, Inc.
NC Engineering Corporation C-1356
4905 Professional Court
Raleigh, NC 27609
919-876-9799

July 29, 2013

Mr. John Florian
The Florian Companies
Jeflorian@floriancompanies.com

**Report of Phase I
Environmental Site Assessment
Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911**

Gentlemen:

TerraTech Engineers, Inc. has completed a Phase I Environment Site Assessment for the above referenced property. These services were requested and authorized by Mr. John Florian of The Florian Companies. The results of our findings are enclosed herein. This report and our observations are intended solely for the benefit of The Florian Companies and its affiliated organizations, and may not be used or relied upon by any other party without our prior written consent.

PURPOSE AND CONDITIONS

The primary purpose of the Phase I Environmental Site Assessment (PESA) was to evaluate the potential for present or past contamination of the soil, ground water or surface water at the site with hazardous substances. This was accomplished by performing a site reconnaissance, reviewing several databases concerning present and past site activities, and reviewing government lists of sites in the area with known hazardous substance activity.

The findings and opinions conveyed via this PESA report are based on information obtained from a variety of sources enumerated herein, and which TerraTech Engineers, Inc. believes are reliable. Nevertheless, TerraTech Engineers, Inc. cannot and does not guarantee the authenticity or reliability of the information it has relied upon.

Although we performed a reconnaissance at the subject site to observe for hazardous substance activity, it is possible that evidence of such activity exists at the site which is not readily visible. Evidence of hazardous substance activity may exist below the ground surface, below a thick growth of vegetation, or at some other location where the view is obstructed or access is prevented. In general, we expended reasonable effort to perform observations in these areas. However, we did not perform excavations, removal of vegetation, or other effort to obtain visual access to these areas.

This report is subject to the limitations in ASTM E-1527(05), *Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*. This assessment did not include an evaluation of any additional issues, as described in section 13 of ASTM E-1527(05), such as asbestos containing materials, radon, lead based paint, lead in drinking water, and wetlands. This study also did not include any sampling or testing of ground water, methane, or other materials at the site. However, two soil samples were obtained from the site for testing to evaluate the possible presence of petroleum hydrocarbons. In short, the site reconnaissance was intended to investigate for conditions which indicate to us the possible presence of hazardous materials at the site. Such reconnaissance does not definitively demonstrate the existence of, or the absence of, hazardous substances.

METHODOLOGY USED

A site reconnaissance was performed to observe for indications that hazardous substances or hazardous wastes might have been stored on, disposed of, or utilized in bulk quantities on the property. Hazardous substances and hazardous wastes are many and varied. They include mineral substances such as asbestos; inorganic substances such as metals, metal salts, and acids; and organic chemicals such as fuels, pesticides, polychlorinated biphenyls (PCB's) and solvents.

The visual reconnaissance was made to observe for the presence of the following specific conditions (hereinafter the "conditions"):

- evidence of imported fill soils
- evidence of spills at the ground surface
- areas of dead, dying or distressed vegetation
- unnaturally stained or discolored surface soils
- unnaturally colored or milky seepage or seepage causing obvious precipitation of solids
- oil slicks or scum on surface waters
- chemical odors
- above ground storage tanks
- vertical pipes, casings or other evidence of underground storage tanks
- barrels or hazardous waste storage areas
- electrical transformers

A review of pertinent federal and state regulatory agency listings was performed by our consultant, Environmental Data Resources, Inc. The listings provide information concerning hazardous substance and hazardous waste activity that has been reported to State or Federal regulatory agencies. We reviewed their findings and located selected unmapped sites to determine if any sites were present within ASTM minimum search distances. A copy of their Executive Summary is included as Appendix II.

We reviewed aerial photographs online at the Wake County GIS website, Google Earth photographs, and photographs in our files. These photographs dated back to 1959.

We reviewed chain-of-ownership information at the Wake County GIS website and the Wake County Register of Deeds website. The names of previous owners of the property can provide indications of past site usage and possibly previous hazardous substance activity at the site.

SITE DESCRIPTION AND OBERVATIONS

The subject site consists of three parcels (Wake County PIN#s 1703888477, 1703889581, and 1703889388) located just to the northeast of the intersection of East Hargett Street and South Bloodworth Street in Raleigh, North Carolina. The property location is shown on the enclosed Figure 1 in Appendix I. The property boundaries, as obtained from the Wake County GIS web site, are shown on Figure 2 in Appendix I. The topography of the site and surrounding areas, as noted on the Wake County GIS website, is provided on Figure 3 in Appendix I. An Aerial photograph of the site, obtained from the Wake County GIS website, is enclosed as Figure 4 in Appendix I.

We performed a site reconnaissance on July 11, 2013. The majority of the property is currently occupied by a paved parking lot. There are general photographs of the property included as Pictures 1 through 6 in

Appendix IV. There are overhead electrical lines along South Bloodworth Street and East Hargett Street. No pole-mounted electrical transformers were observed on the subject property. Numerous stains on the asphalt, as shown in Photo 6 in Appendix IV, were visible throughout the parking lot. Other than the stained asphalt, none of the other “environmental conditions” described above were observed at the site.

In order to evaluate the possible presence of petroleum hydrocarbons in the soils at the site, we obtained soil samples from a test boring performed in the northwestern portion of the subject site. Appropriate decontamination of our drilling and sampling equipment was performed prior to obtaining our samples. Two soil samples were sent to our consultant, Pace Analytical Services, Inc., for testing. Both samples encountered elevated levels of petroleum hydrocarbons. The test results are provided in Appendix III.

The adjoining properties are generally residential, office property or vacant. The property to the south across Hargett Street is vacant. There is a playground on the adjacent lot to the south. The adjacent properties to the north include a church and residential and historic homes occupied by offices. The US Federal Courthouse is located to the west across Bloodworth Street. A city cemetery is located to the east across East Street. Site topography is sloping downwards to the southeast. Relief across the site is approximately 15 feet.

RECORDS REVIEW

We have reviewed the Wake County GIS topographic map for the site and surrounding areas to provide information regarding the topography of the site and surrounding areas. A copy of this map is included as Figure 3 in Appendix I. Based on our review of this map, and our observations at the site, it appears that the ground surface is generally sloping downwards to the southeast.

The site is located in the Piedmont Geologic Province of North Carolina. Soils in this area have been formed by the weathering of the underlying rock, and are classified as residual soils. The Wake County Soil Survey map indicates that the soils are Cecil Series soils. Based on our experience in the vicinity of the site, the soils are generally expected to consist of sandy silts and silty sands. The soils generally take on the character of the underlying parent rock with depth, and are referred to as weathered rock in areas directly above the surface of the rock.

Ground water is often a means of transporting contaminants from one area to another. Since ground water flow often mirrors surface water drainage patterns, the direction of ground water flow can sometimes be estimated by ground surface topography. Based on our review of the Wake County GIS topographic map, and the results of our site walkover, it appears that surface water flow, and probably ground water flow, is to the southeast at the subject site. However, a detailed analysis of ground water flow is beyond the scope of this study. Additionally, the direction of ground water flow may change depending on seasonal fluctuations and other hydrogeological factors.

The current surface water drainage area for the subject site is generally bounded by the eastern, western and southern property lines, and a knoll located near the New Bern Avenue and South Bloodworth Street intersection to the north. Development in the surface water drainage area generally consists of the subject site and residential or commercial properties to the north.

We have reviewed aerial photographs of the site and surrounding properties from the Wake County GIS website. The reviewed photographs include the following:

- Wake County GIS Aerial Photographs for 1981, 1988, 1999, 2002, and 2004 through 2012
- Google Earth Aerial Photographs for 1993, 1998, 2002, and 2005 through 2010
- Aerial Photographs for 1959, 1965, 1968, 1971, 1981, 1983, 1993, 1998, 2000, 2005, 2006, 2008 from our files

The reviewed aerial photographs indicate that the site was residential between 1959 and 1983. The 1965 and 1968 reviewed photographs indicate that demolition of the high school to the west took place between this time, and construction of the USPS building in the same location occurred between 1968 and 1971. The 1983 reviewed photograph indicated that the majority of the subject site was a paved parking lot. The 1988 reviewed photograph indicated that the last residential home at the subject site had been demolished and replaced with a parking lot. There was development on the northern adjoining lot between 2006 and 2007. Other than the development on the northern adjoining lot, the development to the west, and the subject sites transformation to a parking lot, the area has remained relatively the same since 1959.

We have reviewed Sanborn fire insurance maps to determine past property use. These maps indicate that the subject property was residential from 1896 through 1972. These maps are provided in Appendix II.

Based on our review of the Wake County GIS records, the current property owner is the United States Postal Service. The United States Postal Service has owned the three parcels since 1984. Previous owners of the property have included Mr. Constantine Dombalis, Mr. Ernest Charles, Mr. Barney Joyner, Mr. W.K. Rand, Miss Octavia C. Rand, Mr. Otis Jones, Mr. Neil A. Spence, Mr. W.O. Smith, Mr. C.H. Belvin, the Trustees of Wake Forest College, Mr. Jimmy Britt, Miss Charlotte Flanagan, Mr. and Mrs. Sam Lee, Ms. Evelyn Grant, Mr. Walter Bailey, Mr. Jerry Buffaloe, Ms. Sallie Broughton, Mr. J.M. & E.H. Broughton, Mr. Pete Gournas, Ms. Maude Jones Spencer, and Mrs. Laura Smith. This ownership information, as obtained from the Wake County tax records and Wake County Register of Deeds office, dates back to 1891. This ownership information provides no indication to us, based solely on the names mentioned, of past use, storage or disposal of hazardous wastes at the site.

We have interviewed Ms. Ann Yarnell, Facilities Environmental Specialist at the United States Postal Service. USPS is the current owner of the property. Ms. Yarnell informed us that she is unaware of any environmental concerns, environmental cleanup liens, or AULs associated with the subject property, and that the price to be paid for the property represents the current fair market value of the property.

We have also interviewed Mr. John Florian, owner of The Florian Companies, and expected user of this report. Mr. Florian informed us that he is unaware of any environmental concerns, environmental cleanup liens, or AULs associated with the subject property, and that the price to be paid for the property represents the current fair market value of the property. Mr. Florian referenced a Phase I Environmental Site Assessment that TerraTech Engineers performed in the past for property located to the south of Hargett Street. This report mentioned a former gas station and remediation of groundwater contamination at the corner of East Martin Street and South East Street. This site is outside of the surface water drainage area of the subject site and is also listed as being closed out by the NC Department of Environment and Natural Resources (NCDENR).

We have contacted members of the Raleigh Fire Department regarding the subject property. They directed us to a website to search for reports for the subject property as well as adjacent properties. Multiple spills from vehicle accidents and vehicle fires have been reported on the adjacent properties, as well as one vehicle fire occurring at the subject site. The Fire Department reports state that Sphag-sorb® was used to absorb any hazardous waste or petroleum product spills from the vehicles. Two incident responses located

at 310 New Bern Avenue were listed as hazardous materials. The reports indicate that white powder was found on two different occasions. The suspicious materials were properly contained, packaged and sent to SBI and FBI for further investigation.

Information regarding regulatory listed sites in the vicinity of the subject site was obtained by reviewing information provided by our consultants, Environmental Data Resources, Inc. This information is provided in the enclosed Appendix II. The subject site was not present in the reviewed listings. However, there are a number of incidents located within the ASTM minimum search distances from the subject site. These incidents include: one RCRA-SQG site, two RCRA-CESQG sites, three State equivalent National Priority List sites, nine State equivalent CERCLIS sites, forty-five Leaking Underground Storage Tank (LUST) sites, seven LUST Trust Fund sites, seven Leaking Above-Ground Storage Tank sites, six underground storage tank sites, and five Brownfields sites. One of the leaking underground storage tank sites is listed as the United States Postal Service, and is the adjacent property to the west. The address of this site is listed as 310 New Bern Avenue. This address also appears in the EDR report as United States General Services Administration. Both listings are in response phase and state in the reports that there was major soil contamination but no groundwater contamination.

Based on our review of the listings, and review of topographic map of the area surrounding the subject site, three of the listed properties are located within the surface water drainage area of the subject property. These three sites include two underground storage tank (UST) sites and one RCRA small quantity hazardous waste generator site. There were no reported leaks or spills of hazardous materials or petroleum products at these three sites. Additionally, the US Postal Service, which owns the subject site, has a listing for a leaking underground fuel storage tank. Based on our review of available records, this petroleum incident occurred on the adjoining property to the west across Bloodworth Street. This property appears to be located cross-gradient from the subject site, and not within the surface water drainage area of the subject site.

A review of the EDR US Historic Auto Station and Cleaners list, as provided by EDR, has revealed that there is one EDR US Historic Auto Station site within approximately 0.25 miles of the subject property. The EDR US Historic search also revealed two cleaners sites within 0.25 miles of the subject property. None of the EDR US Historic sites listed within the surface water drainage area of the subject site have been found to have contaminated soils or groundwater.

FINDINGS AND CONCLUSIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM E-1527(05) of the properties located at South Bloodworth Street in Raleigh, North Carolina (Wake County GIS pin #s 1703888477, 1703889581, and 1703889388). Any exceptions to, or deletions from this practice are described in the Purpose and Conditions section of this report. This assessment has revealed no evidence of recognized environmental conditions in connection with the subject property, except the following:

- (1) There are numerous incidents of petroleum spills within close proximity to the subject site. Additionally, the former use of the subject property for residential purposes during the middle of the 20th century indicates that above ground or underground fuel storage tanks have likely been present for fuel oil on the property. There are numerous stains on the pavement surface at the property consistent in appearance with small leaks or petroleum products from vehicles. Due to these potential sources of petroleum, soil samples were obtained and tested for the presence of petroleum hydrocarbons. The soil samples tested exhibited elevated levels of petroleum

Page 6

hydrocarbons consistent with a release of petroleum products to the environment at the subject site. Further investigation is recommended to determine the horizontal and vertical extent of petroleum contaminated soils at the site. An evaluation of the possible presence of petroleum products in the ground water at the site is also recommended.

* * * * *

We have appreciated the opportunity to provide these services. If you have any questions concerning this information, or if we may be of additional service, please do not hesitate to contact us.

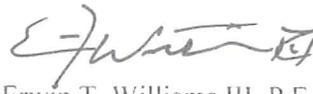
Sincerely,
TerraTech Engineers, Inc. (C-1356)



Jeff A. Taylor, EI
Engineering Intern

JAT/sk

Enclosures



Erwin T. Williams III, P.E.
Principal Environmental Consultant



APPENDIX I

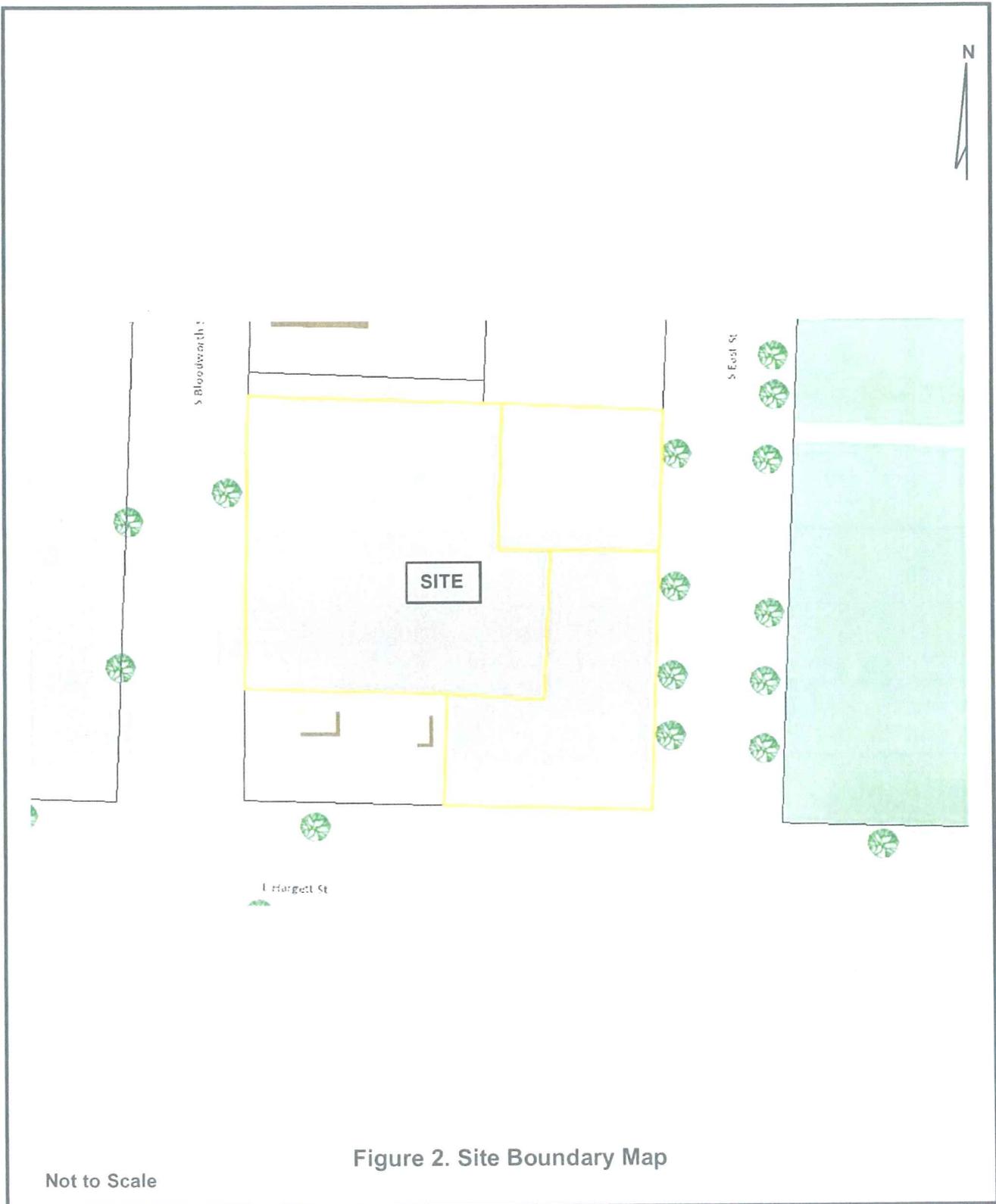


Figure 1. Site Location Map

Not to Scale

TerraTech Engineers, Inc. (C-1356)
4905 Professional Court
Raleigh, NC 27609
919-876-9799

Project: Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911



TerraTech Engineers, Inc. (C-1356)
4905 Professional Court
Raleigh, NC 27609
919-876-9799

Project: Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911



Figure 3. Topographic Map

TerraTech Engineers, Inc. (C-1356)
4905 Professional Court
Raleigh, NC 27609
919-876-9799

Project: Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911



Figure 4. 2012 Aerial Photograph

Not to Scale

TerraTech Engineers, Inc. (C-1356)
4905 Professional Court
Raleigh, NC 27609
919-876-9799

Project: Florian Midrise
Raleigh, North Carolina
Our Project Number 121-13-71911

APPENDIX II

Florian Midrise

119 S Bloodworth Street
Raleigh, NC 27601

Inquiry Number: 3661519.1s
July 10, 2013

The EDR Radius Map™ Report with GeoCheck®

TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary	ES1
Overview Map	2
Detail Map	3
Map Findings Summary	4
Map Findings	7
Orphan Summary	211
Government Records Searched/Data Currency Tracking	GR-1
 <u>GEOCHECK ADDENDUM</u>	
Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-8
Physical Setting Source Map Findings	A-9
Physical Setting Source Records Searched	A-25

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

119 S BLOODWORTH STREET
RALEIGH, NC 27601

COORDINATES

Latitude (North): 35.7785000 - 35° 46' 42.60"
Longitude (West): 78.6328000 - 78° 37' 58.08"
Universal Transverse Mercator: Zone 17
UTM X (Meters): 713969.6
UTM Y (Meters): 3961766.5
Elevation: 329 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 35078-G6 RALEIGH WEST, NC
Most Recent Revision: 1993

East Map: 35078-G5 RALEIGH EAST, NC
Most Recent Revision: 1993

AERIAL PHOTOGRAPHY IN THIS REPORT

Photo Year: 2012
Source: USDA

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List

EXECUTIVE SUMMARY

Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls
LUCIS..... Land Use Control Information System

Federal ERNS list

ERNS..... Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

NC SWF/LF..... List of Solid Waste Facilities
NC OLL..... Old Landfill Inventory

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

NC AST..... AST Database
INDIAN UST..... Underground Storage Tanks on Indian Land
FEMA UST..... Underground Storage Tank Listing

State and tribal institutional control / engineering control registries

NC INST CONTROL..... No Further Action Sites With Land Use Restrictions Monitoring

EXECUTIVE SUMMARY

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations
ODI..... Open Dump Inventory
NC HIST LF..... Solid Waste Facility Listing
NC SWRCY..... Recycling Center Listing
INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

Local Lists of Hazardous waste / Contaminated Sites

US CDL..... Clandestine Drug Labs
US HIST CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
NC SPILLS 90..... SPILLS 90 data from FirstSearch
NC SPILLS 80..... SPILLS 80 data from FirstSearch

Other Ascertainable Records

RCRA NonGen / NLR..... RCRA - Non Generators
DOT OPS..... Incident and Accident Data
DOD..... Department of Defense Sites
FUDS..... Formerly Used Defense Sites
CONSENT..... Superfund (CERCLA) Consent Decrees
ROD..... Records Of Decision
UMTRA..... Uranium Mill Tailings Sites
US MINES..... Mines Master Index File
TRIS..... Toxic Chemical Release Inventory System
TSCA..... Toxic Substances Control Act
FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing
SSTS..... Section 7 Tracking Systems
ICIS..... Integrated Compliance Information System
PADS..... PCB Activity Database System
MLTS..... Material Licensing Tracking System
RADINFO..... Radiation Information Database
RAATS..... RCRA Administrative Action Tracking System
RMP..... Risk Management Plans
NC UIC..... Underground Injection Wells Listing
NC NPDES..... NPDES Facility Location Listing

EXECUTIVE SUMMARY

INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
NC COAL ASH.....	Coal Ash Disposal Sites
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
PRP.....	Potentially Responsible Parties
2020 COR ACTION.....	2020 Corrective Action Program List
PCB TRANSFORMER.....	PCB Transformer Registration Database
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
LEAD SMELTERS.....	Lead Smelter Sites

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.

Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>HONEYCUTT CLEANERS</i>	<i>605 NEW BERN AVE</i>	<i>ENE 1/8 - 1/4 (0.230 mi.)</i>	<i>F25</i>	<i>66</i>

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 02/12/2013 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ACME CLEANERS	331 NEW BERN AVE	NW 0 - 1/8 (0.122 mi.)	A4	12
FEDERAL COURTHOUSE BLDG	310 NEW BERN AVE	NW 1/8 - 1/4 (0.131 mi.)	B7	21

State- and tribal - equivalent NPL

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there are 3 NC HSDS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ASHLAND CHEM CO		S 1/2 - 1 (0.945 mi.)	0	7
RALEIGH COAL GAS PLANT NO. 1		WSW 1/2 - 1 (0.575 mi.)	0	7
RALEIGH COAL GAS PLANT NO. 2		WSW 1/2 - 1 (0.804 mi.)	0	7

State- and tribal - equivalent CERCLIS

NC SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environment & Natural Resources' Inactive Hazardous Sites Program.

A review of the NC SHWS list, as provided by EDR, and dated 05/24/2013 has revealed that there are 9 NC SHWS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RALEIGH TTA-SE PARCEL	S WEST ST & MORGAN ST	W 1/2 - 1 (0.723 mi.)	Z81	206
RALEIGH TTA-DILLON PARCEL A	102 S WEST ST	W 1/2 - 1 (0.724 mi.)	Z83	206
ROGERS REALTY PROPERTY	500 WEST MORGAN, 10 S.	W 1/2 - 1 (0.724 mi.)	Z84	206
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RALEIGH WELDING WORKS (FORMER)	414 SOUTH EAST STREET	S 1/8 - 1/4 (0.207 mi.)	D20	55
CITY OF RALEIGH PROPERTY	702 E MARTIN ST	ESE 1/4 - 1/2 (0.315 mi.)	J35	89
RALEIGH COAL GAS PLANT NO. 1	S. MCDOWELL ST AT W. CA	WSW 1/2 - 1 (0.596 mi.)	Y78	201
CONTEMPORARY ART MUSEUM	409 W MARTIN ST	W 1/2 - 1 (0.685 mi.)	80	204
RALEIGH TTA-WILSON PARCEL	200 S WEST ST	W 1/2 - 1 (0.723 mi.)	82	206
GLENWOOD AVENUE	413 SOUTH GLENWOOD AVENUE	WNW 1/2 - 1 (0.924 mi.)	86	208

EXECUTIVE SUMMARY

State and tribal leaking storage tank lists

NC LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the NC LUST list, as provided by EDR, and dated 05/10/2013 has revealed that there are 45 NC LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
U.S. GENERAL SERVICES ADMIN. Incident Phase: Response	310 NEW BERN AVENUE	NW 1/8 - 1/4 (0.131 mi.)	B6	16
NC SCHOOL BOARD ASSOCIATION Incident Phase: Closed Out	311 E EDENTON ST	NNW 1/8 - 1/4 (0.178 mi.)	14	36
BRADLEY SPEEDOMETER SHOP Incident Phase: Closed Out	101 S. BLOUNT STREET	WNW 1/8 - 1/4 (0.193 mi.)	17	48
FIRST BAPTIST CHURCH GODWIN ELEVATOR BLDG. (FORMER) Incident Phase: Closed Out	101 S. WILMINGTON STREE 325 S. WILMINGTON STREE	WNW 1/4 - 1/2 (0.284 mi.) WSW 1/4 - 1/2 (0.313 mi.)	G30 I33	77 85
PARKING DECK CONSTRUCTION SITE Incident Phase: Closed Out	331 SOUTH WILMINGTON ST	WSW 1/4 - 1/2 (0.317 mi.)	I38	96
HUDSON BELK CO. Incident Phase: Response	319 FAYETTEVILLE ST. MA	WSW 1/4 - 1/2 (0.362 mi.)	44	110
NC MUSEUM OF NATURAL SCIENCE-G Incident Phase: Closed Out	123 N SALISBURY ST	W 1/4 - 1/2 (0.392 mi.)	N47	118
MITCHELL DISTRIBUTING COMPANY Incident Phase: Closed Out	HWY 54	WNW 1/4 - 1/2 (0.393 mi.)	O48	121
STATE FAIRGROUNDS (VAULT) Incident Phase: Closed Out	HILLSBOROUGH RD	WNW 1/4 - 1/2 (0.393 mi.)	O49	124
MEREDITH COLLEGE BREWER CENTER Incident Phase: Closed Out	HILLSBOROUGH ST	WNW 1/4 - 1/2 (0.393 mi.)	O50	128
NC DEPARTMENT OF REVENUE Incident Phase: Closed Out	100 W MORGAN ST	W 1/4 - 1/2 (0.398 mi.)	N52	138
DAVIDSON HEIRS (MARTHA) Incident Phase: Response	817 COTTON ST	E 1/4 - 1/2 (0.404 mi.)	Q53	140
CHARTER SQUARE Incident Phase: Closed Out	501 FAYETTEVILLE STREET	WSW 1/4 - 1/2 (0.410 mi.)	P55	144
BELL SOUTH RLGHNCMO 21311 Incident Phase: Closed Out	121 W MORGAN ST	W 1/4 - 1/2 (0.415 mi.)	N58	154
RALEIGH PROFESSIONAL BUILDING Incident Phase: Closed Out	127 W HARGETT STREET	W 1/4 - 1/2 (0.418 mi.)	R61	159
NEW WAKE CO JAIL Incident Phase: Response	330 S SALISBURY ST	WSW 1/4 - 1/2 (0.419 mi.)	S62	161
NC DEPT. OF JUSTICE BLDG. Incident Phase: Closed Out	128 WEST EDENTON STREET	WNW 1/4 - 1/2 (0.448 mi.)	65	168
NC DENR - GREEN SQUARE ORPHAN Incident Phase: Closed Out	107 WEST JONES STREET	NW 1/4 - 1/2 (0.472 mi.)	U68	174
NC DEPT OF EDUCATION BUILDING Incident Phase: Closed Out	WILMINGTON AND NORTH ST	NW 1/4 - 1/2 (0.483 mi.)	69	176

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NEWS & OBSERVER PUBLISHING CO Incident Phase: Closed Out	215 S MCDOWELL ST	W 1/4 - 1/2 (0.486 mi.)	V71	184
RALEIGH POLICE SERVICE CENTER Incident Phase: Response	110 S MCDOWELL ST	W 1/4 - 1/2 (0.487 mi.)	72	185
RALEIGH CIVIC CENTER Incident Phase: Closed Out	500 FAYETTEVILLE ST MAL	SW 1/4 - 1/2 (0.495 mi.)	X76	196
NC DEPARTMENT OF ADMINISTRATIO Incident Phase: Closed Out	116 W JONES ST	WNW 1/4 - 1/2 (0.496 mi.)	U77	198
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NW CORNER EAST & MARTIN STREET Incident Phase: Closed Out	EAST & MARTIN ST	S 0 - 1/8 (0.099 mi.)	1	8
MOORE SQUARE MUSEUMS MAGNET Incident Phase: Closed Out	328 E MARTIN ST	SW 1/8 - 1/4 (0.133 mi.)	C9	23
ASK MART (FORMER) ASK MART/ BLOCK A-42 Incident Phase: Closed Out	304 MARTIN ST E MARTIN ST & S PERSON	SW 1/8 - 1/4 (0.143 mi.) SW 1/8 - 1/4 (0.149 mi.)	C10 C11	27 30
WAREHOUSE OF TIRES Incident Phase: Closed Out	319 S PERSON ST	SW 1/8 - 1/4 (0.162 mi.)	C13	34
RALEIGHS 500 E. DAVIE STREET P KLYMAN ESTATE Incident Phase: Closed Out	500 E. DAVIE STREET 412 E DAVIE ST	S 1/8 - 1/4 (0.193 mi.) S 1/8 - 1/4 (0.195 mi.)	D15 D19	39 52
WILKINS DETAIL AND REPAIR Incident Phase: Closed Out	418 S EAST ST	S 1/8 - 1/4 (0.210 mi.)	D21	57
CARLTON PLACE DEVELOPMENT, LLC Incident Phase: Closed Out	415 SOUTH BLOODWORTH STS	1/8 - 1/4 (0.211 mi.)	22	60
HONEYCUTT CLEANERS GENERAL SERVICES ADMIN. Incident Phase: Closed Out	605 NEW BERN AVE 420 S PERSON ST	ENE 1/8 - 1/4 (0.230 mi.) SSW 1/8 - 1/4 (0.244 mi.)	F25 E26	66 72
DUNNS TEXACO SERVICE MCLAURIN CO PARKER LOT Incident Phase: Closed Out	502 S BLOODWORTH STREETS 120 EAST DAVIE STREET	1/4 - 1/2 (0.291 mi.) SW 1/4 - 1/2 (0.315 mi.)	H31 K37	80 89
IVERSON PROPERTY (TERRY) Incident Phase: Closed Out	523 E. LANE STREET	N 1/4 - 1/2 (0.343 mi.)	39	100
CP&L-WILMINGTON & DAVIE ST. Incident Phase: Closed Out	WILMINGTON & DAVIE ST	WSW 1/4 - 1/2 (0.349 mi.)	K41	102
BLOUNT STREET SERVICE STATION Incident Phase: Closed Out	500 S BLOUNT ST	SW 1/4 - 1/2 (0.354 mi.)	L43	107
SHAW UNIVERSI NORTHEAST CAMPUS Incident Phase: Closed Out	E LENOIR & S BLOODWORTHS	1/4 - 1/2 (0.378 mi.)	M45	114
POOLE PROPERTY (BOBBY) Incident Phase: Closed Out	701 EAST LANE STREET	NNE 1/4 - 1/2 (0.379 mi.)	46	116
CITY OF RALEIGH, IDLEWILD CITY OF RALEIGH-FORMER WILSONS Incident Phase: Closed Out	217 IDLEWILD AVENUE 225 IDLEWILD AVE	ENE 1/4 - 1/2 (0.457 mi.) NE 1/4 - 1/2 (0.461 mi.)	T66 T67	170 172
CABARRUS ST PARKING DECK Incident Phase: Closed Out	436 S SALISBURY ST	SW 1/4 - 1/2 (0.489 mi.)	W74	189

EXECUTIVE SUMMARY

NC LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the NC LUST TRUST list, as provided by EDR, and dated 04/03/2013 has revealed that there are 7 NC LUST TRUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NC SCHOOL BOARD ASSOCIATION	311 E EDENTON ST	NNW 1/8 - 1/4 (0.178 mi.)	14	36
DAVIDSON HEIRS (MARTHA)	817 COTTON ST	E 1/4 - 1/2 (0.404 mi.)	Q53	140
BELLSOUTH - MORGAN ST.	121 WEST MORGAN STREET	W 1/4 - 1/2 (0.415 mi.)	N59	157
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DAVIE STREET S/C	412 EAST DAVIE STREET	S 1/8 - 1/4 (0.195 mi.)	D18	50
MCLAURIN CO PARKER LOT	120 EAST DAVIE STREET	SW 1/4 - 1/2 (0.315 mi.)	K37	89
IVERSON PROPERTY (TERRY)	523 E. LANE STREET	N 1/4 - 1/2 (0.343 mi.)	39	100
CABARRUS ST PARKING DECK	436 S SALISBURY ST	SW 1/4 - 1/2 (0.489 mi.)	W74	189

NC LAST: A listing of leaking aboveground storage tank site locations.

A review of the NC LAST list, as provided by EDR, and dated 05/10/2013 has revealed that there are 7 NC LAST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
PARKING DECK CONSTRUCTION SITE	331 SOUTH WILMINGTON ST	WSW 1/4 - 1/2 (0.317 mi.)	I38	96
STATE FAIRGROUNDS (VAULT)	HILLSBOROUGH RD	WNW 1/4 - 1/2 (0.393 mi.)	O49	124
CAROLINA POWER & LIGHT	411 FAYETTEVILLE STREET	WSW 1/4 - 1/2 (0.396 mi.)	P51	131
WAKE CO. OFFICE BLDG.	337 SOUTH SALISBURY ST.	WSW 1/4 - 1/2 (0.419 mi.)	S63	164
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WAKE COUNTY PUBLIC SCHOOLS (BL BLOCK A-24 PARKING DECK-CABARR	SOUTH PERSON AND EAST DSSW 1/8 - 1/4 (0.226 mi.)		E23	62
RICHARDSON, JOHN - PROPERTY	CABARRUS AND SOUTH BLOW 1/4 - 1/2 (0.352 mi.)		L42	105
	412 E. SOUTH ST.	S 1/4 - 1/2 (0.430 mi.)	M64	167

State and tribal registered storage tank lists

NC UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the NC UST list, as provided by EDR, and dated 05/10/2013 has revealed that there are 6 NC UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FLOYD S PIKE ELEC CONTRACTOR I	430 NEWBURN AVE PO BOX	NNW 0 - 1/8 (0.101 mi.)	A2	10
U.S. GENERAL SERVICES ADMIN.	310 NEW BERN AVENUE	NW 1/8 - 1/4 (0.131 mi.)	B6	16
TRAILWAYS TERMINAL	313 NEW BERN AVENUE	NW 1/8 - 1/4 (0.131 mi.)	B8	22
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
DAVIE STREET S/C	412 EAST DAVIE STREET	S 1/8 - 1/4 (0.195 mi.)	D18	50
HONEYCUTT CLEANERS	605 NEW BERN AVE	ENE 1/8 - 1/4 (0.230 mi.)	F25	66
GENERAL SERVICES ADMINISTRATIO	420 S PERSON STREEET	SSW 1/8 - 1/4 (0.244 mi.)	E27	75

EXECUTIVE SUMMARY

State and tribal Brownfields sites

NC BROWNFIELDS: A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liability control.

A review of the NC BROWNFIELDS list, as provided by EDR, and dated 04/04/2013 has revealed that there are 2 NC BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RBC TOWER PARKING DECK	331 S. WILMINGTON STREET	WSW 1/4 - 1/2 (0.315 mi.)	I36	89
301 FAYETTEVILLE STREET	301 FAYETTEVILLE STREET	WSW 1/4 - 1/2 (0.344 mi.)	I40	102

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 12/10/2012 has revealed that there are 3 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>CONVENTION CENTER PARKING LOTS</i>	<i>500 AND 615 FAYETTEVILL</i>	<i>WSW 1/4 - 1/2 (0.411 mi.)</i>	<i>P56</i>	<i>145</i>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>500 E. DAVIE STREET</i>	<i>500 E. DAVIE STREET</i>	<i>S 1/8 - 1/4 (0.193 mi.)</i>	<i>D16</i>	<i>41</i>
<i>702-706 E. MARTIN STREET</i>	<i>702-706 E. MARTIN STREE</i>	<i>ESE 1/4 - 1/2 (0.315 mi.)</i>	<i>J34</i>	<i>87</i>

Records of Emergency Release Reports

NC IMD: Incident Management Database.

A review of the NC IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 43 NC IMD sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
US POST OFFICE VMF	310 NEW BERN AVE	NW 1/8 - 1/4 (0.131 mi.)	B5	14
NC SCHOOL BOARD ASSOCIATION	311 E EDENTON ST	NNW 1/8 - 1/4 (0.178 mi.)	14	36
RALEIGH, CITY OF	101 E MORGAN ST	WNW 1/4 - 1/2 (0.283 mi.)	G29	76
FIRST BAPTIST CHURCH	101 S. WILMINGTON STREE	WNW 1/4 - 1/2 (0.284 mi.)	G30	77
HUDSON BELK CO.	319 FAYETTEVILLE ST. MA	WSW 1/4 - 1/2 (0.362 mi.)	44	110
NC MUSEUM OF NATURAL SCIENCE-G	123 N SALISBURY ST	W 1/4 - 1/2 (0.392 mi.)	N47	118
MITCHELL DISTRIBUTING COMPANY	HWY 54	WNW 1/4 - 1/2 (0.393 mi.)	O48	121
STATE FAIRGROUNDS (VAULT)	HILLSBOROUGH RD	WNW 1/4 - 1/2 (0.393 mi.)	O49	124
MEREDITH COLLEGE BREWER CENTER	HILLSBOROUGH ST	WNW 1/4 - 1/2 (0.393 mi.)	O50	128
CAROLINA POWER & LIGHT	411 FAYETTEVILLE STREET	WSW 1/4 - 1/2 (0.396 mi.)	P51	131

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NC DEPARTMENT OF REVENUE	100 W MORGAN ST	W 1/4 - 1/2 (0.398 mi.)	N52	138
DAVIDSON, MARTHA SPLAWN- HEIRS	817 COTTON ST	E 1/4 - 1/2 (0.404 mi.)	Q54	142
SOUTHERN BELL(GLC 21311)	121 W MORGAN ST	W 1/4 - 1/2 (0.415 mi.)	N57	152
RALEIGH PROFESSIONAL BLDG.	127 W HARGETT ST	W 1/4 - 1/2 (0.418 mi.)	R60	158
NEW WAKE CO JAIL	330 S SALISBURY ST	WSW 1/4 - 1/2 (0.419 mi.)	S62	161
WAKE CO. OFFICE BLDG.	337 SOUTH SALISBURY ST.	WSW 1/4 - 1/2 (0.419 mi.)	S63	164
NC DEPT OF EDUCATION BUILDING	WILMINGTON AND NORTH STNW	1/4 - 1/2 (0.483 mi.)	69	176
NEWS & OBSERVER PUBLISHING CO	215 S MCDOWELL ST	W 1/4 - 1/2 (0.486 mi.)	V70	179
RALEIGH POLICE SERVICE CENTER	110 S MCDOWELL ST	W 1/4 - 1/2 (0.487 mi.)	72	185
RALEIGH CONVENTION & CONF. CEN	500 FAYETTEVILLE STREET	SW 1/4 - 1/2 (0.495 mi.)	X75	195
NC DEPARTMENT OF ADMINISTRATIO	116 W JONES ST	WNW 1/4 - 1/2 (0.496 mi.)	U77	198

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NW CORNER EAST & MARTIN STREET	EAST & MARTIN ST	S 0 - 1/8 (0.099 mi.)	1	8
MOORE SQUARE MUSEUMS MAGNET	328 E MARTIN ST	SW 1/8 - 1/4 (0.133 mi.)	C9	23
ASK MART (FORMER)	304 MARTIN ST	SW 1/8 - 1/4 (0.143 mi.)	C10	27
ASK MART/ BLOCK A-42	E MARTIN ST & S PERSON	SW 1/8 - 1/4 (0.149 mi.)	C11	30
WAKE CO. PUBLIC SCHOOLS	S. PERSON ST. AND E. MA	SW 1/8 - 1/4 (0.149 mi.)	C12	33
WAREHOUSE OF TIRES	319 S PERSON ST	SW 1/8 - 1/4 (0.162 mi.)	C13	34
KLYMAN ESTATE	412 E DAVIE ST	S 1/8 - 1/4 (0.195 mi.)	D19	52
RALEIGH WELDING WORKS (FORMER)	414 SOUTH EAST STREET	S 1/8 - 1/4 (0.207 mi.)	D20	55
WILKINS DETAIL AND REPAIR	418 S EAST ST	S 1/8 - 1/4 (0.210 mi.)	D21	57
CARLTON PLACE DEVELOPMENT, LLC	415 SOUTH BLOODWORTH STS	1/8 - 1/4 (0.211 mi.)	22	60
WAKE COUNTY PUBLIC SCHOOLS (BL	SOUTH PERSON AND EAST DSSW	1/8 - 1/4 (0.226 mi.)	E23	62
HONEYCUTT CLEANERS	605 NEW BERN AVE	ENE 1/8 - 1/4 (0.230 mi.)	F25	66
GENERAL SERVICES ADMIN.	420 S PERSON ST	SSW 1/8 - 1/4 (0.244 mi.)	E26	72
DUNN'S SERVICE CENTER	502 S BLOODWORTH ST	S 1/4 - 1/2 (0.291 mi.)	H32	84
MCLAURIN CO PARKER LOT	120 EAST DAVIE STREET	SW 1/4 - 1/2 (0.315 mi.)	K37	89
CP&L-WILMINGTON & DAVIE ST.	WILMINGTON & DAVIE ST	WSW 1/4 - 1/2 (0.349 mi.)	K41	102
BLOCK A-24 PARKING DECK-CABARR	CABARRUS AND SOUTH BLO	1/4 - 1/2 (0.352 mi.)	L42	105
BLOUNT STREET SERVICE STATION	500 S BLOUNT ST	SW 1/4 - 1/2 (0.354 mi.)	L43	107
SHAW UNIVERSI NORTHEAST CAMPUS	E LENOIR & S BLOODWORTHS	1/4 - 1/2 (0.378 mi.)	M45	114
CITY OF RALEIGH-FORMER WILSONS	225 IDLEWILD AVE	NE 1/4 - 1/2 (0.461 mi.)	T67	172
NC D0A-CABARRUS ST. PARKING DE	436 S SALISBURY ST	SW 1/4 - 1/2 (0.489 mi.)	W73	188
CABARRUS ST PARKING DECK	436 S SALISBURY ST	SW 1/4 - 1/2 (0.489 mi.)	W74	189

Other Ascertainable Records

RI MANIFEST: Hazardous waste manifest information

A review of the RI MANIFEST list, as provided by EDR, has revealed that there is 1 RI MANIFEST site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
HONEYCUTT CLEANERS	605 NEW BERN AVE	ENE 1/8 - 1/4 (0.230 mi.)	F25	66

EXECUTIVE SUMMARY

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

A review of the EDR MGP list, as provided by EDR, has revealed that there are 2 EDR MGP sites within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
RALEIGH MGP NO. 1	MCDOWELL AND CABARRUS	WSW 1/2 - 1 (0.601 mi.)	Y79	204
RALEIGH MGP NO. 2	600 WEST CABARRUS STREE	WSW 1/2 - 1 (0.856 mi.)	85	207

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there is 1 EDR US Hist Auto Stat site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	422 S PERSON ST	SSW 1/8 - 1/4 (0.245 mi.)	E28	76

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 2 EDR US Hist Cleaners sites within approximately 0.25 miles of the target property.

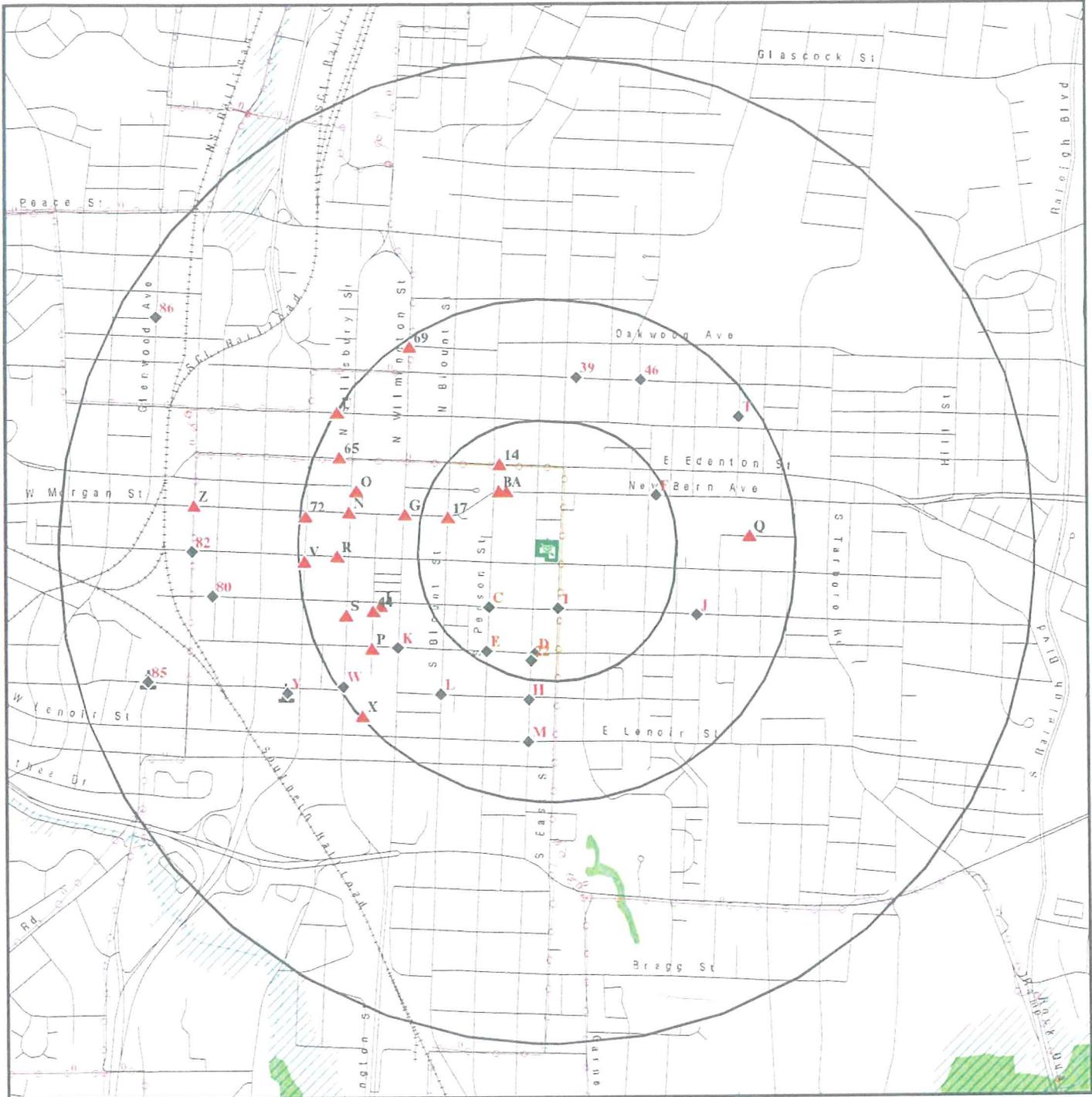
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	331 NEW BERN AVE	NW 0 - 1/8 (0.122 mi.)	A3	11
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	605 NEW BERN AVE	ENE 1/8 - 1/4 (0.230 mi.)	F24	65

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
INSERV DIESEL FUEL RELEASE	LAST
OLDE STAGE GOLF & COUNTRY CLUB	IMD, LAST
VILLAGE CONVENIENT MART	UST, FINANCIAL ASSURANCE 1
RALEIGH CITY OF - LANDFILL	LF, FINANCIAL ASSURANCE 1
CAROLINA POWER & LIGHT CO	LF, HIST LF
CP&L DEMO SITE	LF, HIST LF
DOROTHEA DIX	LF, HIST LF
AUBURN CHURCH ROAD DRUM	CERCLIS-NFRAP, HWS
RALEIGH COAL GAS PLANT NO. 2	VCP, HWS
SIR WALTER GUN CLUB	HWS
WAKE OIL SERVICE	IMD, LUST
WAREHOUSE OF TIRES(FORMER)	LUST TRUST
AMOCO #60257	LUST TRUST
COUNTRY CUPBOARD 1	UST
DILLARDS EXXON	UST
N.W. POOLE WELL & PUMP CO., INC.	UST
HOLDERS STORE	UST
MCEWEN LUMBER COMPANY	UST
EATMANS CARPETS	UST
SE CORNER BRANCH & BLOUNT STREET	BROWNFIELDS, FINDS

OVERVIEW MAP - 3661519.1s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

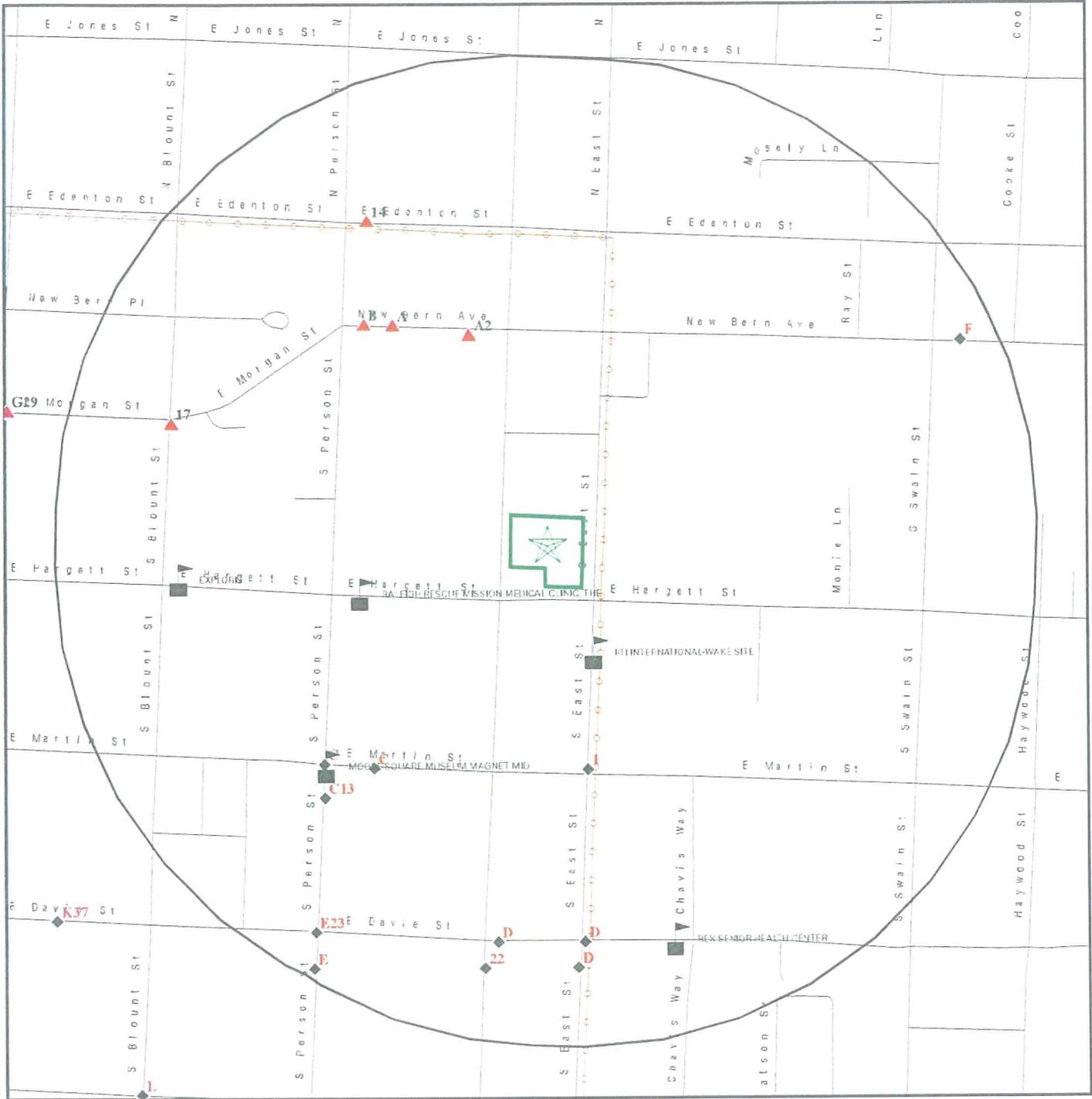
Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Florian Midrise
 ADDRESS: 119 S Bloodworth Street
 Raleigh NC 27601

CLIENT: TerraTech
 CONTACT: Jeff Taylor
 INQUIRY #: 3661519.1s

DETAIL MAP - 3661519.1s



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- Sensitive Receptors
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Oil & Gas pipelines from USGS
- 100-year flood zone
- 500-year flood zone
- Hazardous Substance Disposal Sites

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Florian Midrise ADDRESS: 119 S Bloodworth Street Raleigh NC 27601 DATE: 05/27/2015 10:00:00 AM	CLIENT: TerraTech CONTACT: Jeff Taylor INQUIRY #: 3661519.1s DATE: 11/20/2012 5:00:00 PM
--	---



Florian Midrise

119 S Bloodworth Street

Raleigh, NC 27601

Inquiry Number: 3661519.2

July 10, 2013

Certified Sanborn® Map Report

Certified Sanborn® Map Report

7/10/13

Site Name:
Florian Midrise
119 S Bloodworth Street
Raleigh, NC 27601

Client Name:
TerraTech
4905 Professional Court
Raleigh, NC 27609

EDR Inquiry # 3661519.2 Contact: Jeff Taylor



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by TerraTech were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting www.edrnet.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

Certified Sanborn Results:

Site Name: Florian Midrise
Address: 119 S Bloodworth Street
City, State, Zip: Raleigh, NC 27601
Cross Street:
P.O. # NA
Project: Florian Midrise
Certification # 3CF4-4087-8B92



Sanborn® Library search results
Certification # 3CF4-4087-8B92

Maps Provided:

1972
1950
1914
1909
1903
1896

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ✓ Library of Congress
- ✓ University Publications of America
- ✓ EDR Private Collection

The Sanborn Library LLC Since 1866™

Limited Permission To Make Copies

TerraTech (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

Disclaimer - Copyright and Trademark notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

Sanborn Sheet Thumbnails

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



1972 Source Sheets



Volume 1, Sheet 16



Volume 1, Sheet 17

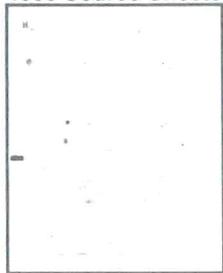


Volume 1, Sheet 26



Volume 1, Sheet 27

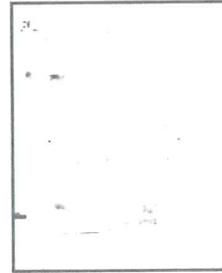
1950 Source Sheets



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 26

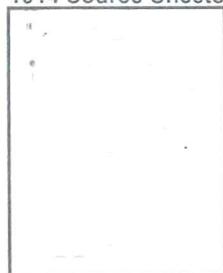


Volume 1, Sheet 27

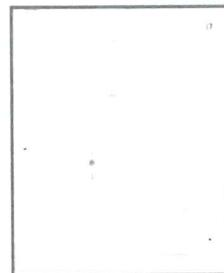


Volume 1, Sheet xxxx

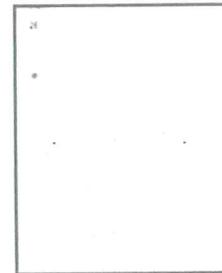
1914 Source Sheets



Volume 1, Sheet 16



Volume 1, Sheet 17



Volume 1, Sheet 26

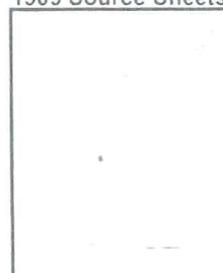


Volume 1, Sheet 27

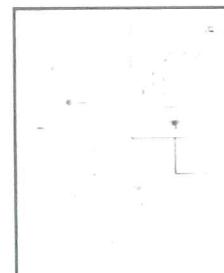


Volume 1, Sheet xxxx

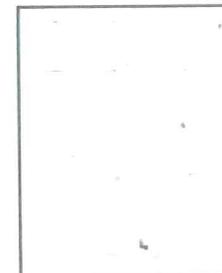
1909 Source Sheets



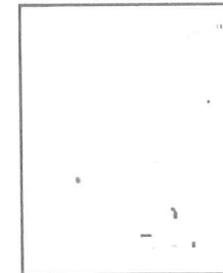
Volume 1, Sheet 3



Volume 1, Sheet 32

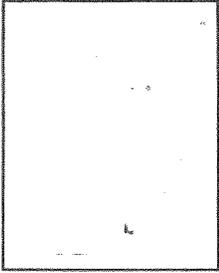


Volume 1, Sheet 9

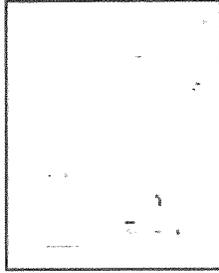


Volume 1, Sheet 11

1903 Source Sheets

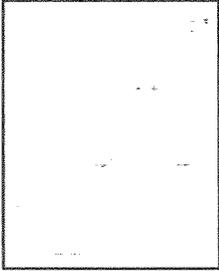


Volume 1, Sheet 6

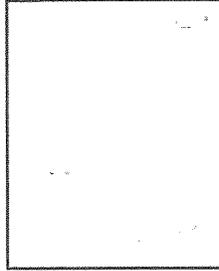


Volume 1, Sheet 8

1896 Source Sheets



Volume 1, Sheet 2



Volume 1, Sheet 3

1972 Certified Sanborn Map



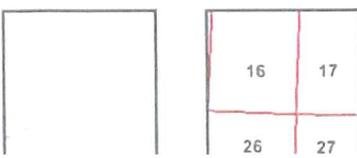
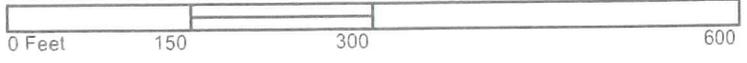
The certified Sanborn Library search results in this report can be authenticated by visit to www.refined.com/permissions and entering the certification number. Only Environmental Data Resources, Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #
3CF4-1087-8892

Site Name: Firman Mairce
Address: 119 S. Bloodworth Street
City, ST, ZIP: Raleigh, NC 27601
Client: TermTech
EDR Inquiry: 3661519-2
Order Date: 7/10/2013 4:43:00 PM
Certification #: 3CF4-1087-8892
Copyright: 1972



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



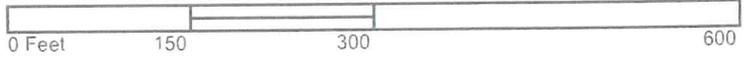
- Volume 1, Sheet 16
- Volume 1, Sheet 17
- Volume 1, Sheet 26
- Volume 1, Sheet 27



1950 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



	16	17
	xxxx	
	26	27

- Volume 1, Sheet 16
- Volume 1, Sheet 17
- Volume 1, Sheet 26
- Volume 1, Sheet 27
- Volume 1, Sheet xxxx



1914 Certified Sanborn Map



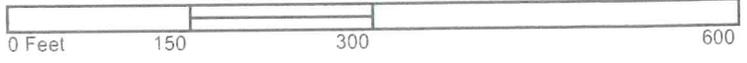
The certified Sanborn Library search results in this report can be authenticated by visit www.archival.com/sanborn and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #
3CF4-1087-8B92

Site Name: Florian Meise
Address: 115 S. Bloodworth Street
City, ST ZIP: Raleigh NC 27601
Client: TerraTech
EDR Inquiry: 3661519.2
Order Date: 7/10/2015 4:40:00 PM
Certification #: 3CF4-1087-8B92
Copyright: 1914



This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.



	16	17
	xxxx	
	26	27

- Volume 1, Sheet 16
- Volume 1, Sheet 17
- Volume 1, Sheet 26
- Volume 1, Sheet 27
- Volume 1, Sheet xxxx



1909 Certified Sanborn Map



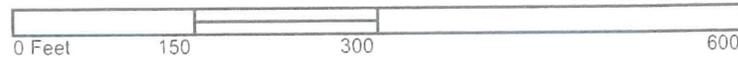
The certified Sanborn library search results in this report can be authenticated by visiting www.epa.gov and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification #
3CF4-4087-8B92

Site Name: Efran Mobile
 Address: 115 S Bloodworth Street
 City, ST ZIP: Raleigh NC 27601
 Client: TerraTech
 EDR Inquiry: 2651519.2
 Order Date: 7/10/2013 4:40:00 PM
 Certification #: 3CF4-4087-8B92
 Copyright: 1909



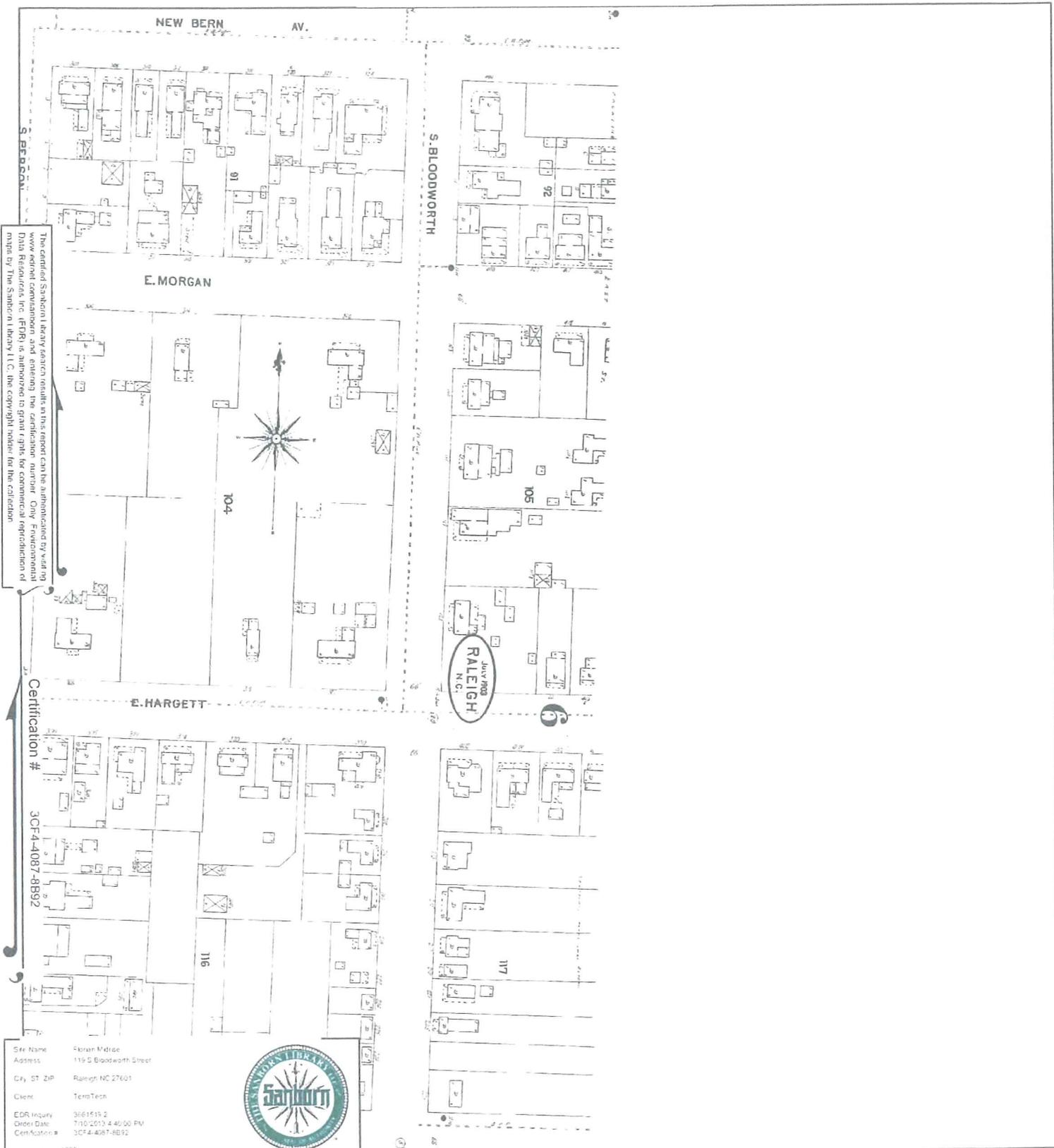
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 1, Sheet 3
- Volume 1, Sheet 32
- Volume 1, Sheet 9
- Volume 1, Sheet 11



1903 Certified Sanborn Map



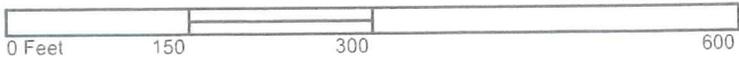
The certified Sanborn Library search results in this report can be authenticated by visiting www.earthdata.nasa.gov and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 3CF4-4087-8B92

Site Name: Florin Midrise
 Address: 119 S. Bloodworth Street
 City, ST, ZIP: Raleigh NC 27601
 Client: TerraTech
 EDR Inquiry: 3661515 2
 Order Date: 7/10/2013 4:40:00 PM
 Certification #: 3CF4-4087-8B92
 Copyright: 1903



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 6
 Volume 1, Sheet 8



1896 Certified Sanborn Map

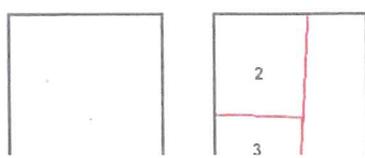


This certified Sanborn library search result in this report can be authenticated by visiting www.earthdata.nasa.gov and entering the certification number. Only Environmental Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

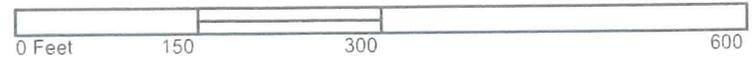
Site Name: Fiction Movie
 Address: 319 S. Bloodworth Street
 City, ST, ZIP: Raleigh, NC 27601
 Client: TerraTech
 EDR Inquiry: 3661519.2
 Order Date: 7/10/2013 4:40:00 PM
 Certification #: 3CF4-4087-8B92
 Copyright: 1896



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 1, Sheet 2
 Volume 1, Sheet 3



APPENDIX III



Figure 1. Soil Sample Location

Not to scale

TerraTech Engineers, Inc. (C-1356)
4905 Professional Court
Raleigh, NC 27609

Project: Florian Midrise
Raleigh, North Carolina
Our Project Number: 121-13-71911



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kincey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 23, 2013

Jeff Taylor
Terratech Engineers
4905 Professional Court
Raleigh, NC 27609

RE: Project: Florian Miorise
Pace Project No.: 92165067

Dear Jeff Taylor:

Enclosed are the analytical results for sample(s) received by the laboratory on July 15, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Herring

kevin.herring@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

CERTIFICATIONS

Project: Florian Miorise
Pace Project No.: 92165067

Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078
North Carolina Drinking Water Certification #: 37706
North Carolina Field Services Certification #: 5342
North Carolina Wastewater Certification #: 12
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627
Kentucky UST Certification #: 84
West Virginia Certification #: 357
Virginia/VELAP Certification #: 460221

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

SAMPLE ANALYTE COUNT

Project: Florian Miorise
Pace Project No.: 92165067

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92165067001	B153	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C
92165067002	B155	EPA 8015 Modified	EJK	2	PASI-C
		EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	TNM	1	PASI-C

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

ANALYTICAL RESULTS

Project: Florian Miorise
 Pace Project No.: 92165067

Sample: B153 Lab ID: 92165067001 Collected: 07/13/13 13:00 Received: 07/15/13 12:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	13.1 mg/kg		6.3	1	07/17/13 09:48	07/18/13 20:18	68334-30-5	
Surrogates								
n-Pentacosane (S)	85 %		41-119	1	07/17/13 09:48	07/18/13 20:18	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.6	1	07/22/13 08:15	07/22/13 15:53	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	85 %		70-167	1	07/22/13 08:15	07/22/13 15:53	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	21.0 %		0.10	1		07/17/13 08:42		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kincey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

ANALYTICAL RESULTS

Project: Florian Miorise
 Pace Project No.: 92165067

Sample: B155 Lab ID: 92165067002 Collected: 07/13/13 13:00 Received: 07/15/13 12:35 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8015 GCS THC-Diesel								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 3546								
Diesel Components	118 mg/kg		6.1	1	07/17/13 09:48	07/18/13 20:18	68334-30-5	
Surrogates								
n-Pentacosane (S)	99 %		41-119	1	07/17/13 09:48	07/18/13 20:18	629-99-2	
Gasoline Range Organics								
Analytical Method: EPA 8015 Modified Preparation Method: EPA 5035A/5030B								
Gasoline Range Organics	ND mg/kg		7.3	1	07/22/13 08:15	07/22/13 15:31	8006-61-9	
Surrogates								
4-Bromofluorobenzene (S)	89 %		70-167	1	07/22/13 08:15	07/22/13 15:31	460-00-4	
Percent Moisture								
Analytical Method: ASTM D2974-87								
Percent Moisture	18.1 %		0.10	1		07/17/13 08:43		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinney Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: Florian Miorise
 Pace Project No.: 92165067

QC Batch: GCV/7102 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics
 Associated Lab Samples: 92165067001, 92165067002

METHOD BLANK: 1014229 Matrix: Solid
 Associated Lab Samples: 92165067001, 92165067002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	07/22/13 08:40	
4-Bromofluorobenzene (S)	%	82	70-167	07/22/13 08:40	

LABORATORY CONTROL SAMPLE: 1014230

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.8	49.9	100	70-165	
4-Bromofluorobenzene (S)	%			77	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1014236 1014237

Parameter	Units	92165476001		1014236		1014237		% Rec Limits	RPD	Qual	
		MS Result	MSD Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result				MS % Rec
Gasoline Range Organics	mg/kg	ND	ND	40.6	40.6	48.1	46.8	116	113	47-187	3
4-Bromofluorobenzene (S)	%							84	81	70-167	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: Florian Miorise
 Pace Project No.: 92165067

QC Batch: OEXT/23010 Analysis Method: EPA 8015 Modified
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV
 Associated Lab Samples: 92165067001, 92165067002

METHOD BLANK: 1011410 Matrix: Solid
 Associated Lab Samples: 92165067001, 92165067002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/18/13 17:31	
n-Pentacosane (S)	%	85	41-119	07/18/13 17:31	

LABORATORY CONTROL SAMPLE: 1011411

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	49.4	74	49-113	
n-Pentacosane (S)	%			82	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1011412 1011413

Parameter	Units	92165126001		1011412		1011413		% Rec Limits	RPD	Qual
		MS Result	MSD Spike Conc.	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result			
Diesel Components	mg/kg	6270	69.5	69.5	5360	6350	-1300	127	10-146	17 M3,P6
n-Pentacosane (S)	%						124	137	41-119	S5

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
 205 East Meadow Road - Suite A
 Eden, NC 27288
 (336)623-8921

Pace Analytical Services, Inc.
 2225 Riverside Dr.
 Asheville, NC 28804
 (828)254-7176

Pace Analytical Services, Inc.
 9800 Kinsey Ave. Suite 100
 Huntersville, NC 28078
 (704)875-9092

QUALITY CONTROL DATA

Project: Florian Miorise
 Pace Project No.: 92165067

QC Batch: PMST/5678 Analysis Method: ASTM D2974-87
 QC Batch Method: ASTM D2974-87 Analysis Description: Dry Weight/Percent Moisture
 Associated Lab Samples: 92165067001, 92165067002

SAMPLE DUPLICATE: 1010926

Parameter	Units	92165067001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	21.0	21.2	1	

SAMPLE DUPLICATE: 1010927

Parameter	Units	92165123006 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	20.6	21.9	6	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALIFIERS

Project: Florian Miorise
Pace Project No.: 92165067

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.
ND - Not Detected at or above adjusted reporting limit.
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PRL - Pace Reporting Limit.
RL - Reporting Limit.
S - Surrogate
1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

LABORATORIES

PASI-C Pace Analytical Services - Charlotte

ANALYTE QUALIFIERS

M3 Matrix spike recovery was outside laboratory control limits due to matrix interferences.
P6 Matrix spike recovery was outside laboratory control limits due to a parent sample concentration notably higher than the spike level.
S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Florian Miorise
Pace Project No.: 92165067

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92165067001	B153	EPA 3546	OEXT/23010	EPA 8015 Modified	GCSV/15103
92165067002	B155	EPA 3546	OEXT/23010	EPA 8015 Modified	GCSV/15103
92165067001	B153	EPA 5035A/5030B	GCV/7102	EPA 8015 Modified	GCV/7104
92165067002	B155	EPA 5035A/5030B	GCV/7102	EPA 8015 Modified	GCV/7104
92165067001	B153	ASTM D2974-87	PMST/5678		
92165067002	B155	ASTM D2974-87	PMST/5678		

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information Section B Required Project Information Section C Invoice Information

Company: CELLA TELL	Report To: JEFF TAYLOR	Attention: SKANE
Address: 4905 Professional Ct., Rockville, NC 27609	Copy To:	Company Name:
Email To: JEFF TAYLOR @ TESSERTECH ENVIRONMENTAL.COM	Purchase Order No.:	Address:
Phone: 919 861 3540	Project Name: FLOATH M. DRUSE	Face Quote Reference: Bonnie Nickee
Fax:	Project Number:	Face Project Manager: 5992-2
Requested Due Date/TAT:		Site Location: NC

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test	Requested Analysis Filtered (Y/N)	REGULATORY AGENCY	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
				COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME							
1	6153	SLG	SLG	7/13	1PM		Unpreserved			5030	X					
2	8155 8155	SLG	SLG	7/13	1PM		H ₂ SO ₄			3550	X					
3							HNO ₃									
4							HCl									
5							NaOH									
6							Na ₂ S ₂ O ₃									
7							Methanol									
8							Other									
9																
10																
11																
12																

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: JEFF TAYLOR	DATE Signed (MM/DD/YY): 7/15/13
SIGNATURE of SAMPLER: <i>[Signature]</i>	

Important Note: By signing this form you are accepting Page's NET 30 day payment terms and agreeing to the changes of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q020rev.07.15-Feb-2007



Document Name: **Sample Condition Upon Receipt (SCUR)**
 Document No.: F-RAL-CS-001-rev.01

Document Revised: March 13, 2013
 Page 1 of 2
 Issuing Authorities:
 Pace Asheville Quality Office

Client Name: Terra Tech

Where Received: Huntersville Asheville Eden Raleigh
 Courier (Circle): Fed Ex UPS USPS Client Commercial Pace Other _____

Custody Seal on Cooler/Box Present: yes no Seals intact: yes no

Packing Material: Bubble Wrap Bubble Bags None Other _____

Circle Thermometer Used: IR Gun SN: 122065387 Type of Ice: Wet Blue None Samples on ice, cooling process has begun

IR Gun Back Up SN: T22065371

Temp Correction Factor: Add / Subtract 0.5 C

Corrected Cooler Temp.: 19.2 C Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: Mrb 7-15-13

Temp should be above freezing to 6°C	Comments:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u>	
All containers needing preservation have been checked. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) <input type="checkbox"/> Yes <input type="checkbox"/> No	<u>Initial when completed</u>
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

SCURF Review: <u>KCB</u>	Date: <u>7/15/13</u>
SRF Review: <u>KCB</u>	Date: <u>7/16/13</u>

Place label here

OR

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of ho'd, incorrect preservative, out of temp, incorrect containers)

Handwrite project number (if no label available)

92165067

APPENDIX IV



**Photo 1 – Parking Lot,
Church in background**



Photo 2 – Western Property Line



Photo 3 – Playground to the South



**Photo 4 – Parking Lot, Federal
Building in background**



**Photo 5 – Parking Lot, Cemetery in
background**



Photo 6 – Asphalt Stains

EDUCATION:

BS in Civil Engineering
North Carolina State University, May 2009

JEFF TAYLOR, E.I.**Engineering Intern****REGISTRATION:**

Engineering Intern in NC

CERTIFICATIONS:

QMS Asphalt Roadway Technician
ACI/NCDOT Level I
NCDOT certified for conventional density, ABC sampling, and borrow pit sampling
HiCAMS Number 7440

SPECIALTIES:

Geotechnical engineering, including extensive onsite experience with construction materials testing services and construction engineering inspection services on private, state, and federally funded projects. Performance of all necessary testing requirements for compliance with NCDOT and CEI requirements. Duties included evaluations of soil conditions, field and laboratory testing of soils, monitoring utility construction and backfill, foundation excavation testing and reinforcing steel inspection, inspection and testing of Portland cement concrete, and NCDOT QMS inspection and testing of asphaltic concrete.

REPRESENTATIVE PROJECTS:**Governmental:**

Neuse River Greenway System, Wake County NC: On-site representative for construction materials testing and construction engineering inspection services for a 40 mile long federally funded greenway trail through Wake County. Testing requirements included verification of soil subgrade, ABC stone base, and asphaltic concrete for compliance with NCDOT specifications. Monitored and verified compliance of foundation support systems for the various bridges and boardwalk structures, including installation of steel H-piles, pipe piles, micro-piles, timber piles and drilled piers (caissons).

Commercial:

Chatham Medical Office Building, Siler City, NC: Performed soil subgrade testing, reinforcing steel inspections, Portland cement concrete testing, and fireproofing inspections for this 21, 000 square foot medical facility.

Norlina Community Health Center, Norlina NC: Performed subsurface investigation and engineering evaluation for medical office building. provided recommendations for site preparation, foundation design and construction, slab-on-grade construction and pavement construction.

PROFESSIONAL AFFILIATIONS:

American Society of Civil Engineers

EDUCATION:

B. S. in Civil Engineering
N.C. State University, 1983
Master of Civil Engineering
N.C. State University, 1988

ERWIN T. WILLIAMS III, P.E.
President
Sr. Principal Geotechnical Engineer

REGISTRATION:

Professional Engineer in North Carolina, South Carolina, Virginia and Georgia

SPECIALTIES:

Geotechnical engineering, including analysis of deep and shallow foundations, settlement analysis, and slope stability analysis; Environmental geotechnics and Environmental Site Assessments; Construction materials engineering.

EXPERIENCE:

Twenty-nine years experience in geotechnical and environmental engineering. Organized and managed subsurface exploration programs for a variety of geotechnical engineering projects. Performed geotechnical engineering evaluations of shallow and deep foundations, including bearing capacity and settlement, slope stability analyses, and earth dam design and construction. Performed and evaluated numerous Phase I environmental site assessments, Phase II environmental testing programs, and underground storage tank assessments. Performed materials engineering evaluations for various projects including asphalt and concrete mix designs, and rigid and flexible pavement design.

REPRESENTATIVE ENVIRONMENTAL PROJECTS:

Commercial:

Wachovia Bank in Aurora, North Carolina. Monitored removal of underground storage tank at retail banking facility. Performed appropriate testing of soils and ground water to determine extent of contamination. Developed Corrective Action Plan for submittal to State regulatory agency. Monitored implementation of corrective action plan, and maintained correspondence with State. Obtained reimbursement from State Trust Fund for expenditures.

Wachovia Bank in Greenville, North Carolina. Worked closely with Wachovia and State regulatory agency to close underground storage tank in-place, preventing costly and unnecessary removal of tank.

Proposed Waste Industries Site in Goldsboro, North Carolina. Performed Phase I environmental site assessment. Also performed environmental testing of soils and ground water at the proposed site to determine the presence of hazardous constituents, including pesticides and herbicides, and heavy metals.

Governmental:

Clayton Police Headquarters in Clayton, North Carolina. Performed environmental consulting services for old Public Works Garage site related to underground storage tanks. Services included evaluation of vertical and horizontal extent of petroleum contamination in both soils and ground water.

Block A-21, Raleigh, North Carolina. Performed Phase I environmental site assessment of downtown city block being redeveloped by City. Further evaluation was required and performed to determine extent of petroleum, solvent and heavy metals contamination in soils and ground water related to past uses of the property.

PROFESSIONAL AFFILIATIONS:

American Society of Civil Engineers
American Society for Testing Materials

REFERENCES:

Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process., Designation E1527-05, American Society for Testing Materials (ASTM) 100 Barr Harbor Drive, West Conshohocken, PA, 19428-2529
<http://www.astm.org/>

Environmental Data Resources, Inc., 440 Wheelers Farm Road, Milford, CT, 06461, phone: 1-800-352-0050, <http://www.edrnet.com/>

North Carolina Department of Environment and Natural Resources (NCDENR), 1640 Mail Service Center - Raleigh, NC 27699-1640, phone: 1-877-623-6748,
<http://www.ncdenr.gov/>

Wake County Register of Deeds Office, Wake County Justice Center Building, 300 S. Salisbury Street, Suite 1700, Raleigh, North Carolina, 27601 phone: 919-856-5460
<http://web.co.wake.nc.us/rdeeds/>

Wake County Geographic Information Systems, Wake County Office Building, Room 506, 337 S. Salisbury Street, Raleigh, North Carolina, 27601 phone: 919-856-6360
<http://imaps.co.wake.nc.us/imaps/>

Raleigh Fire Department Report System
<http://rfdreports.net/>

Environmental Professional Statement

We declare that, to the best of our professional knowledge and belief, we meet the definition of environmental professional as defined in section 312.10 of 40CFR312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40CFR Part 312.

TerraTech Engineers, Inc. (C-1356)



Erwin T. Williams III, P.E.