

PRELIMINARY ASSESSMENT REPORT



Father Glotzbach Park
80 Park Avenue
Nutley, Essex County, New Jersey 07110

Prepared for:

The Township of Nutley
1 Kennedy Drive
Nutley, NJ 07110

Prepared by:

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Viridian Project # 0624-18

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EXECUTIVE SUMMARY

Viridian® Inc. Environmental Consultants (Viridian) prepared this Preliminary Assessment (PA) Report of the Father Glotzbach Park (Site) at 80 Park Avenue, Nutley, Essex County, New Jersey 07110.

The purpose of this PA is to identify the presence of potentially contaminated Areas of Concern (AOCs) at the Site that could warrant further investigation and possible remediation. Viridian evaluated the Site and prepared this report in accordance with the requirements set forth in N.J.A.C. 7:26E-3 of the *Technical Requirements for Site Remediation* (TRSR, July 2013) and the New Jersey Department of Environmental Protection's (NJDEP's) *Preliminary Assessment Technical Guidance* (PATG, April 2013).

The Site comprises 5.6 acres at Block 6702, Lot 19 and 6.23 acres at Block 6801, Lot 1 Nutley, Essex County, New Jersey. The Site is occupied by an artificial turf soccer field, two baseball fields, an open field, parking lot, shed, and a portion of the Frank A. Cocchiola Parks Building.

This Preliminary Assessment Report was prepared to support Nutley Township's Green Acres Grant Application.

The PA activities were undertaken in July, August, and September of 2018. One potential Area of Concern (AOC) was identified as warranting additional investigation: AOC-1, fill material associated with a former quarry on-site.

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1.0 INTRODUCTION

1.1 Purpose

Viridian® Inc. Environmental Consultants (Viridian) performed a Preliminary Assessment (PA) of the property located at 80 Park Avenue, Nutley, Essex County, New Jersey. The Site comprises 5.6 acres at Block 6702, Lot 19 and 6.23 acres at Block 6801, Lot 1, Nutley, Essex County, New Jersey. The site location is shown on a USGS topographic map on Figure 1. The Site is occupied by an artificial turf soccer field, two baseball fields, an open field, parking lot, shed, and a portion of the Frank A. Cocchiola Parks Building. Portions of the Site also include pavement, sidewalk, and landscaped areas. Figure 2 is an aerial photo of the site with the tax map parcels shown.

The purpose of this PA is to identify the presence of potentially contaminated Areas of Concern (AOCs) at the Site that could warrant subsequent further investigation and possible remediation. Viridian evaluated the Site and prepared this report in accordance with the requirements set forth in N.J.A.C. 7:26E-3 of the *Technical Requirements for Site Remediation* (TRSR, July 2013) and the New Jersey Department of Environmental Protection's (NJDEP's) *Preliminary Assessment Technical Guidance* (PATG, April 2013). The Township of Nutley intends to use this PA to support their Green Acres Application.

1.2 Definitions and Conditions

An AOC is an area at a site where contamination is identified or suspected. The New Jersey Department of Environmental Protection (NJDEP) has defined an AOC as:

“any existing or former distinct location or environmental medium where any hazardous substance, hazardous waste, or pollutant is known or suspected to have been discharged, generated, manufactured, refined, transported, stored, handled, treated, or disposed, or where any hazardous substance, hazardous waste, or pollutant has or may have migrated...”

The TRSR state at N.J.A.C. 7:26E-3.1 that the purpose of the PA is “to determine whether contaminants are or were present at a site or have migrated or are migrating from a site, and thus whether additional remediation is necessary at a site due to the presence of any potentially contaminated areas of concern.”

The NJDEP developed a list of standard, potential AOCs that may be present at a site and should be considered during a PA. These potential AOCs, and their current and former relevance to the Site, are presented in Section 17.0 of this report.

1.3 Limitations and Exceptions

No PA can wholly eliminate uncertainty regarding the potential for AOCs in connection with the property. Performance of this PA is intended to reduce, but not eliminate, that uncertainty for the subject property.

Sampling and testing of soil, air, water, or building materials were not included in the scope of our study, nor was testing of radon gas or lead-based paint.

Viridian's findings are based on observable conditions existing at the Site at the time of our reconnaissance and the research conducted for the property. Past conditions are estimated based on reasonably available records. Viridian makes no guarantee as to the accuracy of or completeness of information provided, or to the level of transparency afforded by others from which information was requested, and any errors or omissions in information provided by others are attributable to those respective entities. Furthermore, this report does not warrant against locations and parcels different than the client-provided addresses and legal parcel descriptions or against off-site locations or conditions which may have possible impact to the subject property conditions.

The report has been prepared for the exclusive use of the client of record for the stated objective relative to the subject property. No other person or entity which is not in direct contractual agreement with Viridian may use or rely on any of the information contained within this report without written approval from the client and Viridian. No other person or entity is, nor shall be, considered to be either an intended or incidental third-party beneficiary of the information contained herein.

Viridian does not purport to give legal advice. Any reference to legal issues or terms is provided as part of the general environmental risk assessment and is not a substitute for the advice of competent legal counsel.

1.4 Report Reliance

The PA was completed in general accordance with the NJDEP Technical Requirements for Site Remediation (N.J.A.C. 7:26E) – Subchapter 3 – Preliminary Assessments.

Although Viridian attempts to confirm all secondary information in the performance of this work, some information may not be able to be independently verified by representatives of Viridian due to lack of documentation, hearsay or unknown source. Therefore, Viridian assumes no responsibility for incomplete or inaccurate information provided by secondary sources.

1.5 Report Presentation

Viridian has prepared this report to maximize usability and readability while following the general format recommended in the NJDEP's PA Technical Guidance Document.

Records provided are those deemed pertinent to the support of the PA findings, but do not represent all documentation obtained or evaluated by Viridian for the site. Section 19.0 details sources and references consulted and reviewed for this PA.

1.6 Information Sources

In order to ascertain the historical development and use of the Site, Viridian accessed a number of on-line resources and reviewed historical reports available through Environmental Data Resources Inc. (EDR®) and the client. Viridian requested historic Sanborn® maps, historic topographic maps, aerial photographs, a city directory search, a MacRAE's industrial directory search, and a Chain of Title from EDR® for the Site.

Mr. Brian Intindola, of Neglia Engineering, provided access to the property for the Site inspection (see Section 18.0). In addition, Mr. Intindola was interviewed, and provided information, about historical and current Site operations. Mr. Frank DeMaio also provided information on site history.

Information on past and current use and ownership was also found within documents obtained through the Open Public Records Act (OPRA) request process. Viridian submitted an OPRA request to the Township of Nutley and Essex County on July 2, 2018, to obtain any information available from these entities on Site development, conditions, and environmental issues. Essex County replied that no records were identified pertinent to our request. With the exception of construction and electrical permits, the Township of Nutley had no pertinent files on record; no building plans were available and no violations were reported.

Viridian submitted an OPRA request to the NJDEP for environmental reports and correspondence that may be on record for the Site. Section 12.2 provides a summary of information received from the NJDEP.

Viridian obtained information on Site ownership from Chain of Title documents provided by EDR[®] and from records available through the “County of Essex, Board of Taxation Web Site” and “Essex County Office of the County Clerk – Official Records Public Search” web site.

Viridian contracted EDR[®] to perform an environmental database search of the subject property and immediate vicinity; in addition, Viridian researched several on-line state and federal databases to ascertain historic and current environmental conditions of the Site. Viridian reviewed information available through the on-line NJDEP OPRA Data Miner and NJ-GeoWeb.

Section 19.0 lists the documents and reports reviewed and referenced within this PA Report (PAR). Furthermore, Viridian included copies of select records in applicable Appendices, as noted in the various report sections.

2.0 GENERAL SITE INFORMATION

2.1 Site Location and Description

Site Address:	80 Park Avenue Nutley, New Jersey 07110
Municipality:	Township of Nutley
County:	Essex County
Site Block and Lot (Current):	Block 6702, Lot 19 & Block 6801, Lot 1
Site Acreage:	11.83 Acres
Site Zoning:	Recreational Land
Owner (Current):	Township of Nutley

Site Use (Current):	Recreation
USGS 7.5-minute Series Topographic Quadrangle:	Orange, NJ
Site Coordinates:	X SPCS (feet): 591,290 Y SPCS (feet): 721,106 SPCS = State Plane Coordinate System
PAR Site Maps:	Figure 1 – Site Location Map Figure 2 – Site Tax Map Figure 3 – Site Location Map and AOCs

2.2 Current Site Setting/Use

The Site is occupied by an artificial turf soccer field, two baseball fields, an open field, parking lot, shed, and a portion of the Frank A. Cocchiola Parks Building. Portions of the Site also include pavement, sidewalk, and landscaped areas. The property is currently owned by the Township of Nutley.

The property is connected to the Township of Nutley municipal water supply and sewer systems; no on-site septic systems or water supply wells are known to have ever been present. The building is heated with natural gas and electric heat.

The south end of the property has a paved parking area leading to a building entrance on the southeastern end of the property. The southeastern side of the building has a partial narrow driveway and abuts the neighboring property. The middle and north end of the property is occupied by playing fields and an open field. There is minimal landscaping (grass, small shrubs, and trees) around the parking area and front of the Frank A. Cocchiola Parks building.

The property is adjacent to River Road and McCarter Highway to the east. Apartments are located adjacent to the eastern side of the property. Residential properties are located adjacent to the north and west sides of the property. A gym is adjacent to the southwest side of the property. Adjacent properties are primarily zoned as High Density Residential (R2) and commercial/services (4C). The Properties zoned as 4C are located on McCarter Highway and the southwest side of the site. The properties zoned as R2 surround the site.

2.3 Environmental Setting

2.3.1 Topography

The property is located in a mixed, commercial, and residential portion of Nutley, Essex County, New Jersey. The area is relatively flat, with a downward slope to the east, towards the Passaic River. According to the United States Geological Survey (USGS) Orange, New Jersey Quadrangle 7.5 minute series topographical map, the Property is situated at an approximate elevation of 12-30 feet above mean sea level.

2.3.2 Soils

According to the current NJDEP GeoWeb, the soil types underlying the subject property consist of clayey silt to sandy silt with some to many pebbles and cobbles and few boulders. The soil is reddish brown, reddish yellow, yellowish brown and brown.

2.3.3 Geologic Setting

The Site is located within the Piedmont Physiographic Province of Northern New Jersey. This area is characterized as the Passaic formation sandstone and siltstone facies. Surficial geology is part of the Rahway Till geologic formation. This formation consists of clayey silt to sandy silt with some to many pebbles and cobbles and few boulders. Rahway Till is reddish brown, reddish yellow, yellowish brown and brown. This formation is as much as 100 feet thick, but generally less than 40 feet thick.

2.3.4 Hydrogeologic Setting

The principal aquifer in the area is the Brunswick Aquifer.

2.4 Site Utilities

The Site is serviced by municipal water and sewers; Sanborn Map records indicate sanitary sewer connections present at the subject property from 1928 (see Appendix A). No potable or production wells are on the Site. Electric is provided to the facility via Public Service Electric and Gas Company (PSE&G); electric lines are present throughout the site and along the perimeter of the turf field to provide power for lighting.

3.0 OWNERSHIP AND OPERATIONAL HISTORY

As provided by the Chain of Title report issued by EDR[®] and historical research including information from the Nutley Historical Society, the property ownership and operations are summarized as follows:

Property Ownership* (Block 6702, Lot 19 & Block 6801, Lot 1)		
Name of Property Owner	From	To
DEEANDEM REALTY CO. INC.	7/15/1936	12/21/1936
D&M CONTRACTING COMPANY	12/21/1936	12/9/1937
MILCO CORPORATION	12/9/1937	unknown
NUTLEY VELODROME	unknown	8/19/46
MIELE BROS., INC	8/19/1946	6/4/1949
TOWN OF NUTLEY	6/4/1949	Present
* Chain of Title is provided in Appendix B		

Operations (Block 6702, Lot 19 & Block 6801, Lot 1)		
Property Use	Approximate dates	
	From	To
FARM	UNKNOWN	1810
KING QUARRY COMPANY	1810	LATE 1800s
VACANT PROPERTY	LATE 1800s	MID 1920s
VELODROME	MID 1920s	1942
TOWN OF NUTLEY – PUBLIC PARK	6/4/1949	Present

4.0 HISTORIC/CURRENT SITE OPERATIONS

Information on the past operations of the site, including the quarry, was obtained from The Nutley Historical Society website and historic Sanborn Maps.

The King Quarry Company bought a farm on the site property in 1810 to mine brownstone. In 1846, Alexander Phillips bought the quarry and installed steam-powered band saws to increase production of brownstone. As the supply of brownstone became depleted, the quarry was dug deeper until the holes filled with water from the adjacent Passaic River. The 1906 Sanborn Map identified a Quarry Pond presumably in the location of the former quarry, in the southern portion of block 6702 lot 19. The quarry shut down in the late 1800s and remained unused until 1924 when Joseph Miele bought the property and began to fill the quarry holes with debris from his construction business.

Joseph Miele built the Nutley Velodrome on the site of the former quarry; according to historic Sanborn maps, the Velodrome was present at the southern end of the site in 1928. The Velodrome was used to race cars, motorcycles, midget cars, and bicycles from 1933 to 1942. The velodrome was demolished in 1942 and a little league field was built on the site in the 1950's, turning the site into a Nutley public park.

5.0 PROPERTY DEVELOPMENT REVIEW

Historical reports from EDR® were reviewed to assist in the evaluation of the developmental history of the Site. These reports are located in Appendices A, C, D, E, F, and G and include the Certified Sanborn Map documentation, Aerial Photo decade package, EDR® City Directory search, MacRAE's Industrial Directory search, Historic Topo Map Report, and EDR® Radius Map.

5.1 Historic Sanborn Fire Insurance Maps

Viridian reviewed Sanborn Fire Insurance Maps for the area encompassing the Site. As documented in Appendix A, Sanborn coverage was available for 1963, 1950, 1928, and 1906.

According to the 1906 Sanborn map, the Site had a residence on the southeastern portion of the property. However, this dwelling is not featured on the 1928 Sanborn map. The 1906 Sanborn map also features a quarry pond on the southern portion of the property. There are no other features or improvements that appear to be associated with the quarry pond.

The 1928 Sanborn map shows the Nutley Velodrome Cycle & Auto Race Track on the site in the same location as the former Quarry Pond. The site features a 6-inch water pipe coming from River Road and running to the middle of the southern property border. A triple hydrant is located at the street. The water pipe is connected to the office & lockers building on the south side of the Velodrome. There is a fire alarm box located outside of the office and lockers building. A store is located on the east side of the office & lockers building. There are two single fire department connections located on both ends of the office & lockers building. The 6-inch water pipe runs under the office & lockers building and into a triple hydrant with 300' of fire hose located in the middle of the velodrome. There is a structure located in the eastern portion of the velodrome, but due to the quality of the Sanborn map scan, it is difficult to distinguish what it is.

The 1950 Sanborn map shows an empty lot where the Velodrome had once been. The site is vacant in this Sanborn map except for the 6-inch water pipe running to the center of the former velodrome. A triple hydrant also remains in the center of the former velodrome.

The 1963 Sanborn map shows the same features as the 1950 Sanborn map with three improvements: a little league baseball field located in the middle of the Site; and two hollow concrete or cement block construction buildings located adjacent to the little league field. These each contain a single hydrant. These buildings were likely the dugouts/snack stand for the little league field.

5.2 Aerial Photographs

Aerial photographs were reviewed for the years 1931, 1940, 1951, 1954, 1961, 1966, 1970, 1974, 1984, 1991, 1995, 2006, 2010 and 2013.

The 1931 air photo shows what appears to be vacant land occupying the entirety of the site. This photo was likely taken soon after the former quarry was filled.

The 1940 aerial photo shows the Nutley Velodrome on the site. This is the only structure that appears on the site in this photo.

The 1951 and 1954 aerial photos show the site as entirely vacant.

The 1961 and 1966 aerial photos show the little league baseball field and a parking lot on the site.

The aerial 1970 and 1974 aerial photos show the additional of a second baseball field to the site. This field is located to the north of the first field.

The 1984 through 1995 aerial photos show the addition of a third baseball field, north of the second field. These aerial photos also show the addition of the Frank A. Cocchiola Parks Building in the southeast corner of the site.

The 2006 aerial photo shows the Site in its current layout, with two baseball field occupying the northern portion of the site and a football/soccer field occupying the southern portion of the site.

The 2010 aerial photo shows that the football field was replaced with an artificial turf field.

The 2013 aerial photo shows no changes from the 2013 photo.

Copies of the aerial photographs are provided in Appendix C.

5.3 City Directory and MacRAE's Industrial Directory Search

Historical City Directories and MacRAE's Industrial Directories obtained from EDR® were reviewed for the property (Appendices D and E).

There are no listings for 80 Park Avenue, Nutley in the City Directory or MacRAE's Industrial Directory Search.

5.4 Database Review

The database review is provided in Section 12.1.

6.0 HAZARDOUS MATERIAL AND SUBSTANCE USE

No hazardous materials are currently kept on-site. No hazardous materials were observed during the Site inspection in August 2018.

7.0 WASTEWATER DISCHARGE HISTORY

Sanitary discharges are to the municipal sewer system. The Township of Nutley does not maintain records pertaining to the date of which buildings were connected to the municipal sewer. However, according to a representative from the Municipal Sewer Department, the Site has likely been connected to the Nutley municipal sewer system from Park Avenue since available; which was approximately 90-100 years ago.

8.0 PROCESS WASTE STREAMS

No process waste water streams are generated as part of the activities conducted at the Site.

9.0 RADIOACTIVE MATERIALS

No evidence of the use of radioactive materials was reported or observed.

10.0 DISCHARGE HISTORY

No discharges were reported or observed.

11.0 ENVIRONMENTAL PERMITS

Environmental permits at the Site are summarized as follows:

- A. **New Jersey Air Pollution Control:** None
- B. **Underground Storage Tanks:** None
- C. **New Jersey Pollutant Discharge Elimination System (NJPDDES) Permit:** None
- D. **New Jersey Solid Waste Permits:** None
- E. **Resource Conservation and Recovery Act Permit No.:** None
- F. **EPA Identification Number:** None
- G. **Other Permits:** None

12.0 SUMMARY OF ENFORCEMENT ACTIONS/REGULATORY REVIEW

A database report from EDR[®] outlining environmental activities/incidents and actions at the subject Site was reviewed. Regulatory files were reviewed pertaining to investigations and actions at the Site. The results are summarized in Section 12.1 and 12.2.

12.1 Database Review

The EDR[®] database report (Appendix G) did not identify the site on any database reviewed.

12.2 Regulatory Files

No responsive records pertaining to this Site were identified at the NJDEP.

13.0 FILL MATERIAL

According to the information obtained from the Nutley Historical Society, the quarry that previously existed on Site was filled in with construction/demolition debris from Joseph Miele's construction business in the mid-1920s. The contents and volume of this debris is unknown and represents a potential area of concern.

14.0 WASTE DISPOSAL AREAS

With the exception of the fill material discussed above, Viridian did not discover any other documentation during the PA suggesting the presence of landfills, dumps or disposal areas at the Site.

Garbage cans are featured throughout the site to accommodate the various sporting events held at the site.

No other waste disposal areas were identified.

15.0 PREVIOUS CONDUCTED OR ONGOING REMEDIATION

There have been no previous investigations or remediation conducted at the Site.

16.0 PROTECTIVENESS EVALUATION OF APPROVED REMEDIES/ORDER OF MAGNITUDE EVALUATION

No institutional controls have been implemented at or alternative remedial standards approved for the subject Site. Furthermore, no order of magnitude evaluation was required as part of this PAR as sampling/analyses have not been previously implemented.

17.0 POTENTIAL AREAS OF CONCERN (AOCS)

Viridian conducted an inquiry into the current and historic operations and environmental conditions at the Site to identify potential AOCs. The following table lists possible AOCs with photographs provided in Appendix H and locations shown on Figure 3. As discussed below in this Section 17.0, Viridian evaluated the possible AOCs to ascertain if these features represent actual AOCs warranting further investigation.

POTENTIAL AREAS OF CONCERN			
Area of Concern	Currently Exists	Formerly Existed	AOC Number
Aboveground Storage Tanks			
Area of Stressed Vegetation			
Areas which flood or stormwater from potentially contaminated areas			
Chemical storage cabinet and closet			
Compressor vent discharge			
Discharge area per N.J.A.C. 7:1E			
Discolored or spill area			
Drywell and sump			
Dumpster			
Electrical transformer and capacitor			
Floor drain collection system			
Former agriculture applied pesticide area			
Hazardous material storage or handling area			
Historic fill or any other fill material	x		1
Hydraulic lift			
Incinerator			
Landfill or landfarm			
Loading and unloading areas			
Non-contact cooling water discharge			
Drainage swale and culvert	x		2
Open area away from production area			
Piping, above ground and below ground pumping station, sump and pit			

POTENTIAL AREAS OF CONCERN			
Area of Concern	Currently Exists	Formerly Existed	AOC Number
Process area sink and piping which receive process waste			
Rail car			
Roof leader when process operations vent to roof			
Septic system, leach field or seepage pit			
Silo			
Sprayfield			
Storage pad including drum and/or waste storage			
Storm sewer and spill containment collection system			
Storm water detention pond and fire pond			
Surface impoundment and lagoon			
Surface water body			
Underground piping including industrial process sewer			
Underground storage tank and associated piping			
Waste pile as defined by N.J.A.C. 7:26			
Waste water treatment			
Other:			

Fill Material, potential AOC #1

The King Quarry Company operated a quarry on the southern portion of the site in the 1800's. According to the Nutley Historical Society, the quarry was filled in with construction debris in the 1920's. It is our understanding that the quarry fill has not been investigated. The contents and volume of the debris is unknown and represents a potential AOC warranting further investigation.

Drainage Swale and Culvert, Potential AOC #2

A drainage swale exists on the site in the Northern portion of Block 6801 Lot 1. This drainage swale provides drainage for the turf field. The drainage swale was dry when Viridian inspected it during the site visit. There was no evidence of stressed vegetation or staining in the soil or on the concrete. Based on our observations, the drainage swale does not represent an AOC warranting further investigation.

18.0 SITE INSPECTION

On August 20, 2018, William Dunnell and Matthew Krippahne of Viridian conducted a Site visit to review current conditions and identify possible AOCs in connection with the facility. Site photographs are included in Appendix H. Findings pertinent to the identification of potential AOCs are incorporated into Section 17.0 of this report.

Mr. Intindola accompanied Viridian on the Site walk and provided information relevant to facility use and general maintenance. Information obtained during discussions with Mr. Intindola is included in applicable sections of this PA Report. Additionally, Mr. Intindola completed a Facility Questionnaire which is included at Appendix I.

The only structures on site are a standalone restroom facility, cinder block dugout building, and a portion of the Frank A Cocchiola Parks Building that was constructed around 2003.

Viridian did not observe any evidence of spills or discharges or identify any potential AOCs associated with the property during the Site inspection.

19.0 AOC DETERMINATION SUMMARY AND CONCLUSIONS

Viridian prepared this PA report to support the Township of Nutley's Green Acres Application. The current PA activities were undertaken in July, August, and September 2018. Two potential AOC's were identified at the Site as shown below.

Potential AOC (ID Reference to Figure 3)		Currently or Formerly Exists at Site	Potential AOC Warranting Further Investigation
#1	Fill Material	Historic – The King Quarry Company operated a brownstone quarry on the southern portion of the site in the 1800's. The quarry was filled in with construction debris in the 1920's. The contents and volume of the debris is unknown.	The fill material warrants further investigation as the contents of the debris used is unknown.
#2	Drainage Swale and Culvert	Current – A drainage swale provides drainage for the turf field. There was no evidence of stressed vegetation or staining in the soil or on the concrete.	Based on our observations, the drainage swale does not represent an AOC warranting further investigation.

Based on the research conducted in preparation of this PA, Viridian recommends investigating the fill material used in the former quarry area via a series of soil borings to assess whether contamination is present.

20.0 KEY REFERENCES

Essex County Tax Assessor

EDR 1932 Chain of Title for Block 6702, Lot 19 and Block 6801, Lot 1, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 6, 2018.

EDR Aerial Photo Decade Package, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 18, 2018.

EDR Certified Sanborn® Map Report, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 5, 2018.

EDR-City Directory Abstract, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 6, 2018.

EDR Environmental Lien Search™ Report, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 9, 2018.

EDR Historical Topo Map Report, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 5, 2018.

EDR-Industrial Site Package™, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 5, 2018.

EDR MacRAE's Industrial Directory Report, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 10, 2018.

EDR Radius Map™ Report with GeoCheck®, 80 Park Avenue, Nutley, Essex County, New Jersey 07110, Environmental Data Resources, July 5, 2018.

Nutley Historical Society Website: <http://www.nutleyhistoricalsociety.org/>

NJDEP OPRA Data Miner and NJ-GeoWeb

NJDEP Regulatory file review