

Climate Screening Checklist

Background Information

- Project Manager:
- Site Name:
- Site Number:
- Site Location:
- Site Elevation (average above sea level):
- ClimAID Region ([Responding Climate Change in New York State \(ClimAID\) - NYSERDA](#)):
- Remedial Stage/site classification:

- Contamination - Media Impacted/ Contaminants of Concern:

- Proposed/Current Remedy:

- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years?

- Is the site in proximity to any sensitive receptors? (e.g. wetlands, waterbodies, residential properties, hospitals, schools, drinking water supplies, etc.)

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfoLocator: [DECinfo Locator \(ny.gov\)](#))?

Yes No

If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

Yes No

Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

Yes No

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Climate Screening Table*

Potential Climate Hazards	Relevant to the Site Location (Y/N/NA) ¹	Projected Change (Reference data source/Model) ³	Potential to Impact Remedy (Y/N)	Is remedy/site already resilient? (Y/N) ⁴
Precipitation				
Temperature ² (Extreme Heat or Cold Weather Impacts)				
Sea Level Rise				
Flooding				
Storm Surge				
Wildfire				
Drought				
Storm Severity				
Landslides				
Other Hazards:				

* Links to potential data sources can be found on the following page

¹ If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

² Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 0 degrees F (NYSERDA ClimAID report)

³ List the projected change in specific terms or units e.g. inches of rain fall, feet of sea level rise, etc.

⁴ If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

Required Next Steps (If no further action is required, provide justification):

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Potential Data Sources (not an exhaustive list)- from [Superfund Climate Resilience: Vulnerability Assessment | US EPA](#)

NYSERDA ClimAID report- [Responding Climate Change in New York State \(ClimAID\) - NYSERDA](#)

FEMA- [National Flood Hazard Layer | FEMA.gov](#)

NOAA- [National Storm Surge Risk Maps - Version 3 \(noaa.gov\)](#)

Department of Agriculture Forest Service [Wildfire Risk to Communities](#)

EPA [Climate Change Indicators in the United States](#)

EPA [Climate Resilience Evaluation & Awareness Tool \(CREAT\) | U.S. Climate Resilience Toolkit](#)

EPA [National Stormwater Calculator](#)

National Integrated Drought Information System [U.S. Drought Portal](#)

National Interagency Coordination Center [National Interagency Fire Center](#)

National Oceanic and Atmospheric Administration Coastal Services [Digital Coast](#)

- Resources to help communities assess coastal hazards, such as the [Sea Level Rise Viewer](#) for visualizing community-level impacts of flooding or sea level rise and [downloadable LIDAR data](#)

National Oceanic and Atmospheric Administration [National Centers for Environmental Information](#) website

National Oceanic and Atmospheric Administration [Sea Level Trends](#)

National Weather Service [Climate Prediction Center](#)

National Weather Service [National Hurricane Center](#)

National Weather Service [Sea, Lake, and Overland Surges from Hurricanes \(SLOSH\)](#)

National Weather Service [Storm Surge Hazard Maps](#)

U.S. Federal Government Climate Resilience Toolkit: [The Climate Explorer](#)

U.S. Army Corps of Engineers [Climate Preparedness and Resilience](#)

U.S. Geological Survey [Coastal Change Hazards Portal](#)

U.S. Geological Survey [Landslide Hazards Program](#)

U.S. Geological Survey [National Ground-water Monitoring Network Data Portal](#)

U.S. Geological Survey [National Climate Change Viewer](#)

U.S. Geological Survey [National Water Dashboard](#)

U.S. Geological Survey [StreamStats](#)

NYS Department of State- [Assess | Department of State \(ny.gov\)](#)

NYSERDA NY Costal Floodplain Mapper- [Home Page \(ny.gov\)](#)

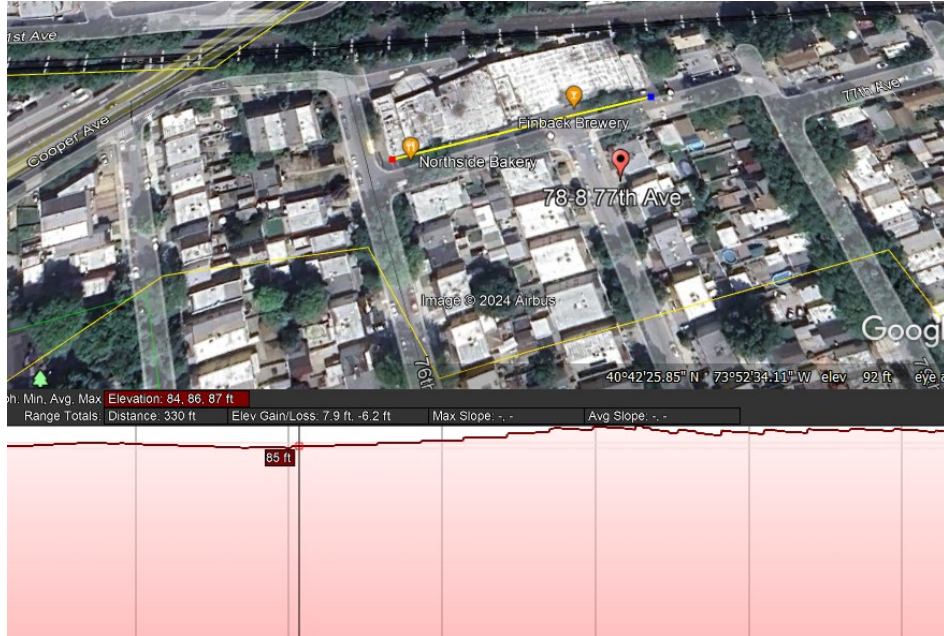
NYSDEC Costal Erosion Hazards- [Coastal Areas Regulated By The CEHA Permit Program - NYDEC](#)

NYSDOH Heat Index- [health.ny.gov/environmental/weather/vulnerability_index/county_maps.htm](#)

Climate Screening Checklist -- Example

Background

- Project Manager: **Brianna Scharf**
- Site Name: **Kliegman Brothers, OU1 (on-site) and OU2 (off-site)**
- Site Number: **241031**
- Site Location: **76-01 77th Avenue Queens, NY**
- Site Elevation (average above sea level): **Approximately 86 feet above sea level (from google earth).**



- ClimAID region: **Region 4—New York City and Long Island**



- Remedial Stage/Site Classification: **Site Management- Class 4**
- Contamination -- Media Impacted/Contaminants of Concern:

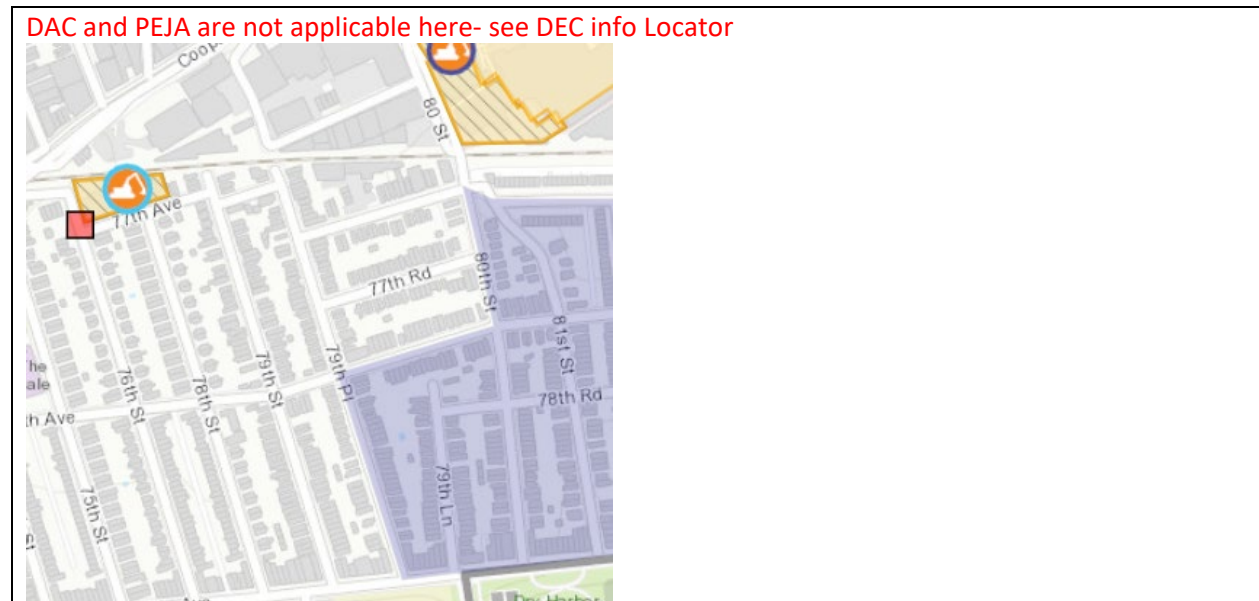
- Soil, Vapor Intrusion/Indoor Air, Groundwater- COCs: TCE, PCE, Vinyl Chloride
- Proposed/Current Remedy: Remediation completed, use of ISCO off-site and off-site SSDs, on-site SVE system, Institutional Controls (Easement)
- What is the predicted timeframe of the remedy? Will components of the remedy still be in place in 10+ years?
 - ~20 years, yes, the remedy has remained in place for 10+ years, ROD issued in 2006 SVE system is still present on the site (2024)

Is the site in a disadvantaged community (DAC) or potential environmental justice area (PEJA) (Use DECinfoLocator: [DECinfo Locator \(ny.gov\)](https://decinfo.locator.ny.gov/))?

Yes No

If the site is in a DAC or PEJA, will climate impacts be magnified? If yes, list how and why.

Yes No



Should thresholds of concern be lowered to account for magnification of impacts? If yes, indicate how lower thresholds will be used in the screening.

Yes No

Climate Screening Table*

Potential Climate Hazards	Relevant to the Site Location (Y/N/NA) ¹	Projected Change (Put the reference document/model used here) ³	Potential to Impact Remedy (Y/N)	Is remedy/site already resilient? (Y/N) ⁴
Precipitation	Potentially	N- Based upon (Resilience Analysis and Planning Tool (RAPT) (arcgis.com))	N/A	N/A
Temperature (Extreme Heat or Cold Weather Impacts) ²	Y	Y	Y	Y – Following screening, modified remedy to include a telemetry system for any power shortages, telemetry system provides remote monitoring and notifications for system during periods of power supply outages
Sea Level Rise	N	N/A- If applicable use (NOAA Sea Level Rise tool)-	N/A	N/A
Flooding ⁵	Potentially	N (FEMA National Flood Hazard Mapping - FEMA-National Flood Hazard Layer FEMA.gov)	N	N- modified remedy to include a telemetry system for any power outages if flooding were to occur
Storm Surge	N	N/A (NOAA)	N/A	N/A
Wildfire	N	N/A ((Resilience Analysis and Planning Tool)	N/A	N/A

		(RAPT) (arcgis.com))		
Drought	N	N/A- If not N/A (Home Drought.gov) - this was based upon regional information	N/A	N/A
Storm Severity (could include high winds, lightening, etc.)	Y	Y (Resilience Analysis and Planning Tool (RAPT) (arcgis.com))	Y	Y – modified remedy to include a telemetry system for any power shortages
Landslides	N	N/A	N/A	N/A
Other Hazards:	Seismic Activity	(Resilience Analysis and Planning Tool (RAPT) (arcgis.com))	Y	Y—modified to include a telemetry system

*Links to potential data sources can be found on the following page

¹ If the first column is N --> The rest of the columns will be N/A, the hazard is not applicable to the site.

² Extreme Heat: periods of three or more days above 90°F- Extreme Cold: Individual days with minimum temperatures at or below 30 degrees F (NYSERDA ClimAID report), Note: this is important for sites with active remedial systems/sites where the remedy relies on the electrical grid

³ List the projected change in specific terms or units e.g. inches of rain fall, feet of sea level rise, etc.

⁴ If final column is Y, provide reasoning, if the final column is N --> Climate Vulnerability Assessment (CVA) required.

⁵ For system sites- components (e.g. electrical wiring and panels) should be evaluated to determine if they would need to be raised to avoid flooding.

Required Next Steps (If no further action, provide justification):

No further actions at this time, severe weather storm inspection should continue to be conducted. The vulnerability that was assessed was the missing telemetry system on the SVE which has subsequently been installed.