

Illinois
Ambient Air Monitoring
2017 Network Plan



Illinois Environmental Protection Agency
Bureau of Air
May 2016

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Acronyms

AADT	Annual Average Daily Traffic
AQI	Air Quality Index
AQS	Air Quality System
BAM	Beta Attenuation Monitor
CAA	Clean Air Act
CASTNET	Clean Air Status and Trends Network
CBSA	Core Based Statistical Area
CCDEC	Cook County Department of Environmental Control
CFR	Code of Federal Regulations
CO	Carbon Monoxide
FEM	Federal Equivalent Method
FRM	Federal Reference Method
Illinois EPA	Illinois Environmental Protection Agency
MSA	Metropolitan Statistical Area
NAAQS	National Ambient Air Quality Standards
NCore	National Core multi-pollutant station
NO	Nitric Oxide
NO ₂	Nitrogen Dioxide
NO _x	Nitrogen Oxides
NO _y	Total Reactive Nitrogen Oxides
O ₃	Ozone
PAMS	Photochemical Assessment Monitoring Station
Pb	Lead
PM _{2.5}	Particulate matter with a diameter less than or equal to 2.5 micrometers
PM ₁₀	Particulate matter with a diameter less than or equal to 10 micrometers
PM _{10-2.5}	Particulate matter with a diameter less than or equal to 10 micrometers and greater than or equal to 2.5 micrometers
ppb	Parts per billion
ppm	Parts per million
PWEI	Population Weighted Emissions Index
QA	Quality Assurance
SASS	Speciation Air Sampling System
SLAMS	State or Local Air Monitoring Station
SO ₂	Sulfur Dioxide
SPM	Special Purpose Monitor
STN	Speciation Trends Network
TSP	Total Suspended Particulate
U.S. EPA	United States Environmental Protection Agency
UV	Ultraviolet
VOC	Volatile Organic Compounds

Introduction

In 1970, Congress enacted the Clean Air Act (CAA), empowering the United States Environmental Protection Agency (U.S. EPA) to develop and implement National Ambient Air Quality Standards (NAAQS) for pollutants shown to threaten human health.

NAAQS exist for six criteria pollutants – carbon monoxide (CO), ozone (O₃), lead (Pb), nitrogen dioxide (NO₂), sulfur dioxide (SO₂), particulate matter with a diameter less than or equal to 10 micrometers (PM₁₀), and fine particulate matter (PM_{2.5}). There are primary and secondary NAAQS. Primary standards protect public health, whereas secondary standards protect public welfare including the environment.

A predominant goal of the air monitors within Illinois' network is to collect data with which to assess compliance with the NAAQS. A listing of these NAAQS calculations and contributions can be found at <http://www3.epa.gov/ttn/naaqs/criteria.html>.

Illinois has designed its ambient air monitoring network to provide timely air pollution data to the public, support compliance with ambient air quality standards and emissions strategy development, and support air pollution research studies. Data gathered from the Illinois EPA's monitoring network is used to produce a daily Air Quality Index (AQI) report, compile daily air quality forecast reports, support short- and long-term health risk assessments, identify localized health concerns, and track long-term trends in air quality that could potentially threaten Illinois citizen's quality of life.

The Illinois air monitoring network includes monitors for the six criteria pollutants: CO, O₃, Pb, NO₂, SO₂, PM₁₀, and PM_{2.5}. The Illinois air monitoring network meets or, in most cases, exceeds the applicable minimum network requirements.

Monitor siting takes into consideration: peak (the highest concentration of pollution in a given area), population (presence of pollutants in areas with high population densities), source (pollution resulting from significant sources or source categories), background (general pollutant levels), and transport (extent of regional pollutant transport between populated areas). Federal regulations prescribe requirements for monitor and probe siting to ensure that the ambient air quality data accurately is representative. The criteria for the placement and operation of each monitor and probe vary. Site surveys ensure that each requirement is satisfied.

Federal regulations require each State to submit to U.S. EPA an air monitoring network plan annually for the prospective year. Additionally, a five-year network assessment must be completed by U.S. EPA Region 5 monitoring organizations. The last five-year network assessment was completed in 2015 and found the criteria pollutant monitoring network was adequate in meeting U.S. EPA's minimum criteria. The annual network plans take into consideration findings of these assessments. The annual network plan provides a description of the monitoring network for each criteria pollutant including proposed changes. The air monitoring network plan is subject to public review and comment prior to its submission to the U.S. EPA.

Monitoring Designations

The following designations describe the various types of monitors at the sites within Illinois' air monitoring network:

- **NCore** - National Core multi-pollutant monitoring station. Illinois is required by federal regulations to operate one NCore site, which includes monitors for CO, nitric oxide/reactive nitrogen (NO/NO_y), SO₂, O₃, PM₁₀, speciated PM_{2.5}, PM_{2.5}, PM_{10-2.5}, and Pb. Illinois operates an NCore site in Northbrook and provides support for the federal rural NCore site located in Bondville measuring PM_{2.5}.
- **Near-road** - Placed near busy roadways, near-road sites measure the peak hourly concentrations of NO₂ and sometimes CO or PM_{2.5} in urban areas. Illinois EPA will operate two near-road locations, in Chicago and Lansing. These two sites are expected to start operating in 2016.
- **PAMS** - Photochemical Assessment Monitoring Station. In addition to monitoring of criteria pollutants, Illinois also participates in a regional Photochemical Assessment Monitoring Station (PAMS) network in the Chicago area that is part of the U.S. EPA approved "Alternate Plan for the Regional Lake Michigan PAMS Network." This regional PAMS network focuses on both the Milwaukee and Chicago areas that are classified as ozone nonattainment areas. These sites are dedicated to obtaining more information about ozone and its precursors. The Illinois sites participating in the 2016 regional PAMS network will include Schiller Park and Northbrook. Illinois' regional PAMS sites will collect and monitor some or all of the following: speciated volatile organic compounds (VOCs), carbonyls, NO/NO_y, O₃, CO, and meteorological data in order to monitor potential threats of nonattainment. Recent changes to PAMS regulations will require enhanced VOC measurements, enhanced carbonyls or hourly formaldehyde measurements, a direct measure NO₂ monitor (true NO₂), and additional meteorological parameters in Northbrook. These additions are required to be implemented by June 2019.
- **SLAMS** - State or Local Ambient Monitoring Station. SLAMS monitoring is for comparison to the NAAQS.
- **SPM** - Special Purpose Monitor. The monitors in this category are included in the Agency network but do not apply toward the determination of area NAAQS compliance.

Monitoring Objectives

Monitoring objectives describe the various purposes of the monitors within Illinois' air monitoring network:

- **General Concentration (Background)** - These sites are positioned to measure the general background concentration of pollutants in an area.
- **Highest Concentration (Highest Conc.)**- These sites are located to determine the expected peak concentrations of pollutants in an area.
- **Population** - Located in areas categorized by high population density, these sites are used to determine the typical pollutant concentrations in a specific area.

- **Regional Transport (Transport)** - These sites are located to monitor the level of regional pollution transport from one area to the next.
- **Source-Oriented Source (Source)** - As certain sources contribute to pollution more significantly than others, source-oriented monitors are placed in order to identify the impact of these sources.

Spatial Scale Designations

Sites are not only characterized by type and by the objective, but also according to spatial scale. These scales are used to categorize siting areas and link them with the specific monitoring objectives. Spatial scales as outlined by the U.S. EPA include:

- **Micro** - Concentrations in air volumes associated with area dimensions ranging from several meters up to about 100 meters.
- **Middle** - Concentrations typical of areas up to several city blocks in size with dimensions ranging from about 100 meters to 0.5 kilometer.
- **Neighborhood** - Concentrations within some extended area of the city that has relatively uniform land use with dimensions in the 0.5 to 4.0 kilometers range.
- **Urban** - Overall, citywide conditions with dimensions on the order of four to 50 kilometers.
- **Regional** - A rural area of reasonably homogenous geography without large sources, extending from tens to hundreds of kilometers.

Sampling Methodology

Every ambient air monitor can be classified by a specific method number which identifies sample collection and analysis methods. A comprehensive list of these numbers can be found at: <http://www.epa.gov/ttn/amtic/files/ambient/criteria/reference-equivalent-methods-list.pdf>.

Federal regulations specify that monitoring methods used for comparison to the NAAQS must be Federal Reference or Equivalent Methods (FRM or FEM). Almost all monitors listed in Illinois' network plan use either FRM or FEM with only a few exceptions. Locations hosting continuous PM_{2.5} samplers solely for AQI purposes are not operated as FRM or FEM.

Quality Assurance

Guidance, policies, and federal regulations establish quality system requirements for data submitted to U.S. EPA. Currently, there are two Primary Quality Assurance Organizations under this network plan – the Illinois EPA and the Cook County Department of Environmental Control (CCDEC).

Proposed Network for 2017

Ozone

Illinois is required to operate a minimum of 14 O₃ monitoring sites across the state to meet SLAMS O₃ requirements. NCore requires the operation of one O₃ monitor year-round. Additionally, 19 other O₃ monitors are operated for purposes of supporting the basic monitoring objectives of public data reporting, air quality mapping, compliance, and supporting air pollution research studies. In 2016, Illinois EPA operated 33 O₃ monitors. Four of these monitors will be part of the alternate PAMS sites – Braidwood, Schiller Park, Northbrook, and Zion. Additionally, U.S. EPA operated three ozone monitors as part of the Clean Air Status and Trends Network (CASTNET). The number of ozone monitors will not change in 2017. However, the Jerseyville school district has contacted Illinois EPA indicating it can no longer accommodate monitoring equipment. An alternate ozone monitoring location off of the school property is being investigated. This change is expected to occur near the end of the 2016 ozone monitoring season.

Fine Particulate Matter (PM_{2.5})

Illinois is required to operate a minimum of 13 FRM or FEM PM_{2.5} monitors. NCore requires one continuous and one filter based PM_{2.5} monitor. One near-road monitoring site with one FRM or FEM PM_{2.5} monitor is also required. Illinois must operate at least one FRM or FEM PM_{2.5} site monitoring regional background and at least one FRM or FEM PM_{2.5} site to monitor regional transport. Additionally, 18 other PM_{2.5} monitoring sites are operated for purposes of supporting the basic monitoring objectives of public data reporting, air quality mapping, compliance, and supporting air pollution research studies. In 2016, 34 PM_{2.5} sites were operating in Illinois. In 2017, the number of PM_{2.5} sites will not change. Depending on funding availability, additional PM_{2.5} monitors may be switched from manual filter-based FRM samplers to continuous FEM samplers. The sites that have or will have FEM samplers under this plan are listed in Table 4. As discussed in the 2016 Network Plan, samplers that will switch to FEM continuous units this year include Northbrook, Knight Prairie, Jerseyville, Houston, Rock Island, and Braidwood. These are in addition to a new near-road FEM PM_{2.5} sampler in Chicago. For 2017, Cary, Champaign, Decatur, Elgin, Normal, and Peoria are targeted for FEM samplers.

As discussed under the ozone section, the Jerseyville school district has contacted Illinois EPA indicating it can no longer accommodate monitoring equipment. An alternate PM_{2.5} monitoring location off of the school property is being investigated. This change is expected to occur during the course of the 2016 monitoring season.

Illinois EPA is proposing to discontinue one PM_{2.5} speciation monitor in 2017. There are currently five speciation monitors across the State. These include supplemental speciation sites in Granite City, Northbrook, Chicago – Springfield Pump Station, and Naperville. An additional monitor in Chicago – ComEd is considered part of the national Speciation Trends Network (STN). Of the four Chicago Metropolitan Statistical Area monitors, the Naperville and Northbrook monitors have consistently measured some of the lowest PM_{2.5} concentrations below

the NAAQS. Though only a partial three-year period exists to determine annual design values for sites in Chicago, both Naperville and Northbrook are tied for the fourth lowest annual average concentrations in the speciation network (Table 1). Illinois EPA is proposing to discontinue the Naperville PM_{2.5} speciation monitor and retain the Northbrook monitor. The Northbrook monitor is part of the multipollutant NCore network. Keeping the PM_{2.5} monitor at this location will help further some of the objectives of the NCore network such as tracking long-term trends and their precursors.

Table 1. PM_{2.5} Averages

Site	2014 & 2015 Average
Naperville	9.7
Northbrook	9.7
Chicago-Com Ed	10.2
Chicago-Springfield	11.4
Granite City-Gateway	12.6

Additionally, Illinois EPA is proposing to change the ComEd and Northbrook speciation sampling schedules from 1-in-3 day to 1-in-6 day. On August 13, 2014, U.S. EPA submitted for publication in the Federal Register proposals to revise ambient monitoring and quality assurance requirements. U.S. EPA noted in this proposal the following: “The STN stations are currently required to sample on at least a 1-in-3 day frequency with no opportunity for flexibility. While the U.S. EPA firmly believes in the long-term importance of the STN stations to support the development of SIPs, modeling exercises, health studies, and the investigation of air pollution episodes and exceptional events, we do not believe that the current inflexibility with regard to sampling frequency is in the best interests of monitoring agencies, the U.S. EPA, or stakeholders... the U.S. EPA is proposing that a reduction in sampling frequency from 1-in-3 day be permissible for manual PM_{2.5} samplers at STN stations.” This U.S. EPA proposal became final on March 10, 2016. As noted on the U.S. EPA Chemical Speciation Network Assessment website (<https://www.sdas.battelle.org/CSNAssessment/html/Default.html>), funds saved by discontinuing the Naperville speciation monitor and reducing the sampling schedules would include investing in continuous measurements, new measurements and measurement technologies, equipment upgrade and replacement, and new sites in areas with emerging air quality issues.

Lastly, continued discussions between Illinois EPA and U.S. EPA regarding the primary objective of the Schiller Park PM_{2.5} sampler are ongoing. As of this writing, no change to the primary objective has taken place other than listing Schiller Park as source-oriented in Table 4 of this plan. A separate request will be submitted to U.S. EPA for approval to change Schiller Park’s PM_{2.5} primary objective to source-oriented.

Sulfur Dioxide

Illinois is required to operate six SO₂ monitors. One SO₂ monitor is required at each of the Northbrook and Bondville NCore sites to fulfill NCore requirements. The Illinois State Water Survey operates the Bondville SO₂ monitor. Additionally, six SO₂ monitoring sites are operated in Illinois' network supporting the basic monitoring objectives of public data reporting, air quality mapping, compliance, and supporting air pollution research studies. In 2016, a total of 12 SO₂ monitors were operated in Illinois. Site access was lost at the South Roxana monitoring location during the year. As a result, U.S. EPA approval for site discontinuation has been sought and is expected to be granted. Eleven SO₂ monitors were operated for the balance of the year. New SO₂ data requirements established by U.S. EPA require either modeling or monitoring to characterize current air quality in areas with large sources of SO₂. ADM as well as Tate & Lyle have elected to pursue the monitoring route. As of this network plan's writing, discussions are ongoing as to the amount and specific placement of the monitoring equipment. In 2017, it is anticipated at least an additional two monitors will be operated within Decatur as a result of the new rule. With the addition of these new sites, a total of at least 13 sites will be operated in 2017.

Nitrogen Dioxide

Illinois is required to operate two NO₂ monitors. Illinois is also required to operate two near-road NO₂ monitors. In addition, federal regulations require the Regional Administrator to collaborate with each State in determining the need for additional NO₂ monitoring requirements beyond the minimum, with a primary focus on siting monitors in locations to protect susceptible and vulnerable populations. In Illinois, two NO₂ monitoring sites are designated, East St. Louis and ComEd. In 2016, the Illinois EPA monitoring network consisted of eight NO₂ monitoring sites with the addition of two near-road monitoring sites in the Chicago area. As referenced in the 2016 Annual Network Plan, federal rules were finalized during the course of the 2016 monitoring season allowing for the discontinuation of the NO₂ monitor in Northbrook. NO/NO_y continues to be measured at this site. Additionally, the Illinois State Water Survey operates an NO/NO_y monitor at the rural NCore site in Bondville. In 2017, Illinois EPA will operate seven NO₂ monitors. Two additional NO/NO_y monitors will continue to be operated by Illinois EPA and the State Water Survey.

Carbon Monoxide

Illinois must operate one CO monitor in conjunction with one near-road NO₂ monitor. In addition, it must operate one CO monitor at NCore sites. The Illinois State Water Survey operates the Bondville CO monitor at the rural NCore site. An additional CO monitoring site is operated in Illinois' network supporting the basic monitoring objectives of public data reporting, air quality mapping, compliance, and supporting air pollution research studies. In 2016, four CO monitors were in operation. In 2017, the number of CO sites will not change.

Particulate Matter (PM₁₀)

Illinois must operate three PM₁₀ monitors to satisfy MSA requirements. It must also operate one PM₁₀ monitor for NCore purposes. In 2016, the Illinois EPA operated a total of four PM₁₀ monitoring sites. In 2017, the Illinois EPA will continue to operate four PM₁₀ monitors.

Lead

Illinois is required to operate source-oriented monitors near facilities emitting 0.5 tons/year of lead that also have maximum lead concentrations in ambient air in excess of 50 percent of the NAAQS. Illinois operates four source-oriented monitors, one of which is a special purpose monitor located in Geneva. Lead monitoring is conducted at two additional sites, one in Granite City and another in southeast Chicago. Lead monitoring waivers are currently in place with U.S. EPA for three facilities: Kincaid Generation Power Plant in Kincaid, Aventine Renewable Energy Inc. in Pekin, and Dynergy Midwest Generation’s Baldwin Power Plant in Baldwin. Modeling results for these facilities demonstrated that they do not have the potential to contribute to a maximum lead concentration greater than 50 percent of the NAAQS.

The Illinois EPA is proposing to discontinue the Riverdale (Mittal Steel) source-oriented lead monitor and the special purpose lead monitor in Geneva (Johnson Controls). Both of these monitors have three years of clean data (Table 2) and meet U.S. EPA guidance for shutdown as defined in 40 CFR 58 Subpart B 58.14(c)(1). Additionally, Appendix D to Part 58, 4.5(ii) – Lead Design Criteria states the Regional Administrator may waive the lead source requirement if the State can demonstrate the lead source will not contribute to a maximum lead concentration in ambient air in excess of 50 percent of the NAAQS based on historical monitoring data. Table 2 indicates yearly maximum three-month rolling averages as well as design value concentrations less than 50 percent of the NAAQS. In 2016, Illinois operated seven lead monitoring sites. As referenced in the 2016 Annual Network Plan, federal rules were finalized during the course of the 2016 monitoring season allowing for the discontinuation of the NCore lead monitor in Northbrook. Six lead monitors were operated for the balance of the year. In 2017, Illinois EPA will operate four lead monitors.

Table 2: Historical Lead Data

Site	AQS Code	Lead Maximum 3-month Rolling Averages			Design Values	90% Upper Confidence Level	<10% of 80% of NAAQS	Exceedance?	Removable?
		2013	2014	2015	2013-2015				
Riverdale	17-031-0113	0.01	0.03	0.01	0.03	0.031	Yes	No	Yes
Geneva	17-089-0113	0.03	0.03	0.05	0.05	0.051	Yes	No	Yes

Table 3: Illinois Monitoring Network by Criteria Pollutant

AQS ID	County	City	Address	Site Description	Operator	CO	NO ₂ /NO _y	SO ₂	O ₃	PM _{10/C}	PM _{2.5}	Lead
17-001-0007	Adams	Quincy	1301 S. 48th St	John Wood Community College	IEPA				X			
17-019-0006	Champaign	Champaign	904 N. Walnut	Ameren Substation Platform	IEPA						X	
17-019-0007	Champaign	Thomasboro	North Thomas St.	Resident's Building	IEPA				X			
17-019-1001	Champaign	Bondville	Twp. Rd. 500 E.	State Water Survey Climate Station	SWS	X	NO/NO _y	X				
17-019-1001	Champaign	Bondville	Twp. Rd. 500 E.	State Water Survey Climate Station	IEPA						X	
17-019-1001	Champaign	Bondville	Twp. Rd. 500 E.	CASTNET Station	USEPA				X			
17-031-0001	Cook	Alsip	4500 W. 123rd St.	Village Garage	CCDEC				X		X	
17-031-0022	Cook	Chicago	3535 E. 114th St	Washington High School	CCDEC					X	X	X
17-031-0032	Cook	Chicago	3300 E. Cheltenham Pl.	South Water Filtration Plant	CCDEC				X			
17-031-0052	Cook	Chicago	4850 Wilson Ave.	Mayfair Pump Station	CCDEC						X	
17-031-0057	Cook	Chicago	1745 N. Springfield Ave.	Springfield Pump Station	CCDEC						X	
17-031-0063	Cook	Chicago	321 S. Franklin	CTA Building	IEPA		X					
17-031-0076	Cook	Chicago	7801 Lawndale	Com Ed Maintenance Bldg. Trailer	CCDEC		X	X	X		X	
17-031-0110	Cook	Chicago	1241 19th St.	Perez Elementary School	CCDEC							X
17-031-1003	Cook	Chicago	6545 W. Hurlbut St.	Taft High School	CCDEC				X			
17-031-0116	Cook	Lansing	Kingery Expy & Torrence Ave.	Kingery Near-road #1	IEPA	X	X				X	
17-031-0216	Cook	Chicago	Kennedy Expy & W. Webster Ave.	Kennedy Near-road #2	IEPA		X					
17-031-1016	Cook	Lyons Township	50th St. & Glencoe	Village Hall	IEPA					X	X	
17-031-1601	Cook	Lemont	729 Houston	Lemont Trailer	CCDEC			X	X			
17-031-3103	Cook	Schiller Park	4743 Mannheim Rd.	Schiller Park Trailer	IEPA		X		X		X	
17-031-3301	Cook	Summit	60th St. & 74th Ave.	Graves Elementary School	CCDEC						X	
17-031-4002	Cook	Cicero	1820 S. 51st Ave.	Cicero Trailer	CCDEC		X		X			
17-031-4007	Cook	Des Plaines	9511 W. Harrison St.	Regional Office Bldg.	IEPA				X		X	
17-031-4201	Cook	Northbrook	750 Dundee Rd.	Northbrook Water Plant	IEPA	X	NO/NO _y	X	X	PM10/C	X	
17-031-6005	Cook	Cicero	13th St. & 50th Ave.	Liberty School	CCDEC						X	
17-031-7002	Cook	Evanston	531 E. Lincoln	Evanston Water Plant	IEPA				X			
17-031-0113	Cook	Riverdale	W. 127 th St. & S. State St.	Riverdale Platform	IEPA							X
17-043-4002	DuPage	Naperville	400 S. Eagle St.	City Hall	IEPA						X	
17-043-6001	DuPage	Lisle	Route 53	Morton Arboretum	IEPA				X			
17-049-1001	Effingham	Effingham	Route 45 South	Central Junior High School	IEPA				X			
17-065-0002	Hamilton	Knight Prairie Twp	Route 14	Knight Prairie Trailer	IEPA				X		X	
17-083-1001	Jersey	Jerseyville	Liberty St. & County Rd.	Jerseyville Trailer	IEPA				X		X	
17-085-9991	Jo Daviess	Stockton	10952 E. Parker Rd.	CASTNET Station	USEPA				X			
17-089-0003	Kane	Elgin	258 Lovell St.	McKinley School	IEPA						X	
17-089-0005	Kane	Elgin	665 Dundee Rd.	Larsen Junior High School	IEPA				X			

AQS ID	County	City	Address	Site Description	Operator	CO	NO ₂ /NO _y	SO ₂	O ₃	PM _{10/C}	PM _{2.5}	Lead
17-089-0007	Kane	Aurora	1240 N. Highland	Health Department	IEPA						X	
17-089-0113	Kane	Geneva	300 S. Glengarry Dr.	Geneva Platform	IEPA							X
17-097-1007	Lake	Zion	Illinois Beach State Park	Zion Trailer	IEPA				X			
17-099-0007	La Salle	Oglesby	308 Portland Ave.	Oglesby Trailer	IEPA			X				
17-111-0001	McHenry	Cary	First St. & Three Oaks Rd.	Cary Grove High School	IEPA				X		X	
17-113-2003	McLean	Normal	Main & Gregory	Normal-ISU Physical Plant Trailer	IEPA				X		X	
17-115-0013	Macon	Decatur	2200 N. 22nd St.	Decatur Trailer	IEPA			X	X		X	
17-115-0110	Macon	Decatur	1226 E. Garfield	Mueller Platform	IEPA							X
17-115-0117	Macon	Decatur	TBD	Archer Daniel Midlands/Tate & Lyle	TBD			X				
17-115-0217	Macon	Decatur	TBD	Archer Daniel Midlands/Tate & Lyle	TBD			X				
17-117-0002	Macoupin	Nilwood	Heaton & Dubois	Nilwood Trailer	IEPA			X	X			
17-119-0008	Madison	Alton	409 Main St	Clara Barton School	IEPA				X			
17-119-0010	Madison	Granite City	15th & Madison	Air Products	IEPA							X
17-119-0024	Madison	Granite City	2100 Madison	Gateway Medical Center	IEPA						X	
17-119-1007	Madison	Granite City	23rd. & Madison	Fire Station # 1	IEPA					X	X	
17-119-1009	Madison	Maryville	200 W. Division	Maryville Comcast Bldg.	IEPA				X			
17-119-2009	Madison	Alton	1700 Annex. St.	SIU Dental Clinic	IEPA						X	
17-119-3007	Madison	Wood River	54 N. Walcott	Wood River Water Treatment Plant	IEPA			X	X		X	
17-119-9991	Madison	Highland	5403 State Rd. 160	CASTNET Station	USEPA				X			
17-143-0024	Peoria	Peoria	Hurlburt & MacArthur	Fire Station #8	IEPA			X	X			
17-143-0037	Peoria	Peoria	613 N.E. Jefferson	City Office Bldg.	IEPA							X
17-143-1001	Peoria	Peoria Heights	508 E. Glen Ave.	Peoria Heights High School	IEPA				X			
17-157-0001	Randolph	Houston	Hickory Grove & Fallview	Houston Trailer	IEPA				X		X	
17-161-3002	Rock Island	Rock Island	32 Rodman Ave.	Rock Island Arsenal	IEPA				X		X	
17-163-0010	St. Clair	East St. Louis	13th & Tudor	ESTL Trailer	IEPA	X	X	X	X		X	
17-167-0012	Sangamon	Springfield	State Fair Grounds	Agriculture Bldg.	IEPA						X	
17-167-0014	Sangamon	Springfield	Illinois Building	State Fairgrounds Shelter	IEPA				X			
17-179-0004	Tazewell	Pekin	272 Derby	Pekin Fire Station #3	IEPA			X				
17-197-1002	Will	Joliet	Midland & Campbell Sts.	Pershing Elementary School	IEPA						X	
17-197-1011	Will	Braidwood	36400 S. Essex Rd.	Com Ed Training Ctr. Trailer	IEPA				X		X	
17-201-0013	Winnebago	Rockford	201 Division St.	Winnebago Co.Health Department	IEPA						X	
17-201-2001	Winnebago	Loves Park	1405 Maple Ave.	Maple Elementary School	IEPA				X			
					IEPA	3	6	10	27	3	27	2
					CCDEC	0	2	2	6	1	7	2
					SWS	1	1	1	0	0	0	0
					USEPA	0	0	0	3	0	0	0
					Total	4	9	13	36	4	34	4

Red indicates monitor proposed for removal
Green indicates monitor proposed for installation

Table 4: Ozone Sites

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule
17-001-0007	Quincy	+39.91540937 -91.33586832	Quincy, IL-MO	Population	N/A	Urban	SLAMS	T400	Hourly/S
17-019-0007	Thomasboro	+40.244913 -88.188519	Champaign-Urbana, IL	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-019-1001	Bondville	+40.052780 -88.372510	Champaign-Urbana, IL	Highest Conc.	N/A	Regional	NCORE	49i	Hourly/Y
17-031-0001	Alsip	+41.6709919 -87.7324569	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-031-0032	South Water Filtration Plant	+41.75583241 -87.54534967	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Population	Neighborhood	SLAMS	T400	Hourly/S
17-031-0076	Com Ed.	+41.75139998 -87.71348815	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-031-1003	Taft High School	+41.98433233 -87.7920017	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/S
17-031-1601	Lemont	+41.66812034 -87.99056969	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-031-3103	Schiller Park	+41.96519348 -87.87626473	Chicago-Naperville-Michigan City, IL-IN-WI	Population	Source	Neighborhood	PAMS/SLAMS	T400	Hourly/Y
17-031-4002	Cicero	+41.85524313 -87.7524697	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Neighborhood	SLAMS	T400	Hourly/Y
17-031-4007	Des Plaines	+42.06028469 -87.86322543	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/S
17-031-4201	Northbrook	+42.13999619 -87.79922692	Chicago-Naperville-Michigan City, IL-IN-WI	Population	NA	Urban	PAMS/NCORE	T400	Hourly/Y
17-031-7002	Evanston	+42.062053 -87.675254	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Neighborhood	SLAMS	T400	Hourly/S
17-043-6001	Lisle	+41.81304939 -88.0728269	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/S
17-049-1001	Effingham	+39.06715932 -88.54893401	Effingham, IL	Population	N/A	Regional	SLAMS	T400	Hourly/S
17-065-0002	Knight Prairie	+38.08215516 -88.6249434	Mt Vernon, IL	Background	N/A	Regional	SLAMS	T400	Hourly/S
17-083-1001	Jerseyville	+39.11053947 -90.32407986	St Louis, IL-MO	Transport	Population	Regional	SLAMS	T400	Hourly/S
17-085-9991	Stockton	+42.2869 -89.9997	Stockton, IL	Highest Conc.	N/A	Regional	SLAMS	49i	Hourly/Y
17-089-0005	Elgin	+42.04914776 -88.27302929	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-097-1007	Zion	+42.4675733 -87.81004705	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Transport	Urban	PAMS/SLAMS	T400	Hourly/Y
17-111-0001	Cary	+42.22144166 -88.24220734	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T400	Hourly/Y

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule
17-113-2003	Normal	+40.51873537 -88.99689571	Bloomington-Normal, IL	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-115-0013	Decatur	+39.866933 -88.925452	Decatur, IL	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-117-0002	Nilwood	+39.39607533 -89.80973892	St Louis, IL-MO	Transport	Population	Regional	SLAMS	49i	Hourly/S
17-119-0008	Alton	+38.89018605 -90.14803114	St Louis, IL-MO	Highest Conc.	Population	Urban	SLAMS	T400	Hourly/S
17-119-1009	Maryville	+38.72657262 -89.95996251	St Louis, IL-MO	Population	N/A	Urban	SLAMS	T400	Hourly/S
17-119-3007	Wood River	+38.86066947 -90.10585111	St Louis, IL-MO	Population	N/A	Urban	SLAMS	T400	Hourly/Y
17-119-9991	Highland	+38.8690 -89.6228	St Louis, IL-MO	Highest Conc.	N/A	Regional	SLAMS	49i	Hourly/Y
17-143-0024	Peoria	+40.68742038 -89.60694277	Peoria, IL	Population	N/A	Neighborhood	SLAMS	T400	Hourly/Y
17-143-1001	Peoria Heights	+40.74550393 -89.58586902	Peoria, IL	Highest Conc.	Population	Urban	SLAMS	T400	Hourly/S
17-157-0001	Houston	+38.17627761 -89.78845862	N/A	Background	N/A	Regional	SLAMS	T400	Hourly/S
17-161-3002	Rock Island	+41.51472697 -90.51735026	Davenport-Moline-Rock Island, IA-IL	Population	N/A	Neighborhood	SLAMS	T400	Hourly/Y
17-163-0010	East St. Louis	+38.61203448 -90.16047663	St Louis, IL-MO	Population	N/A	Neighborhood	SLAMS	T400	Hourly/Y
17-167-0014	Springfield	+39.831522 -89.640926	Springfield, IL	Population	N/A	Urban	SLAMS	49i	Hourly/Y
17-197-1011	Braidwood	+41.22153707 -88.19096718	Chicago-Naperville-Michigan City, IL-IN-WI	Background	N/A	Regional	PAMS/SLAMS	T400	Hourly/Y
17-201-2001	Loves Park	+42.33498222 -89.0377748	Rockford, IL	Highest Conc.	Population	Urban	SLAMS	T400	Hourly/Y

T400 – Teledyne (method 087); 49i – ThermoScientific (method 047)

S = Seasonal – March through October ozone monitoring season

Y = Year-round monitoring

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 1a: Ozone Sites – Illinois

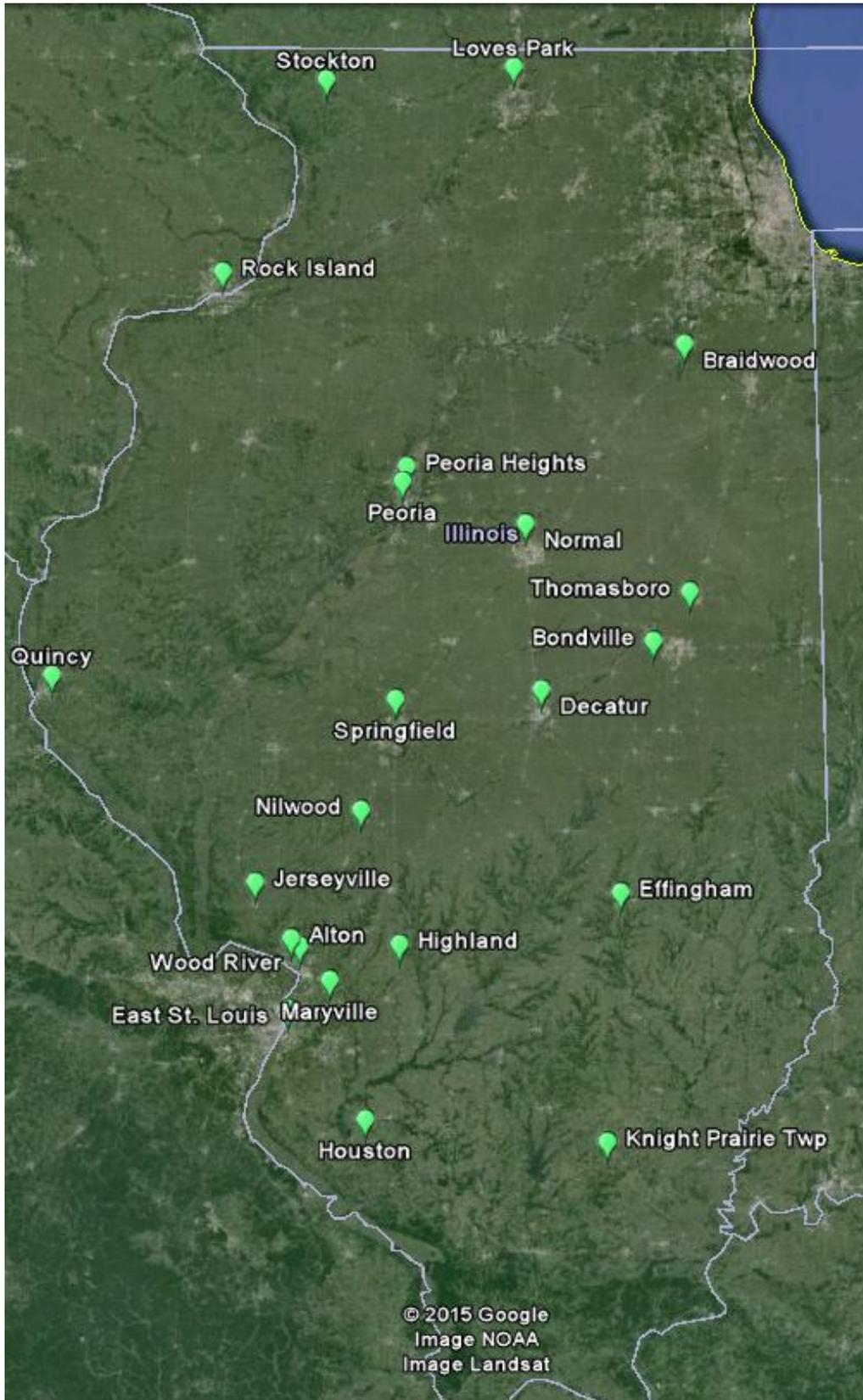


Figure 1b: Ozone Sites – Illinois Chicago Area

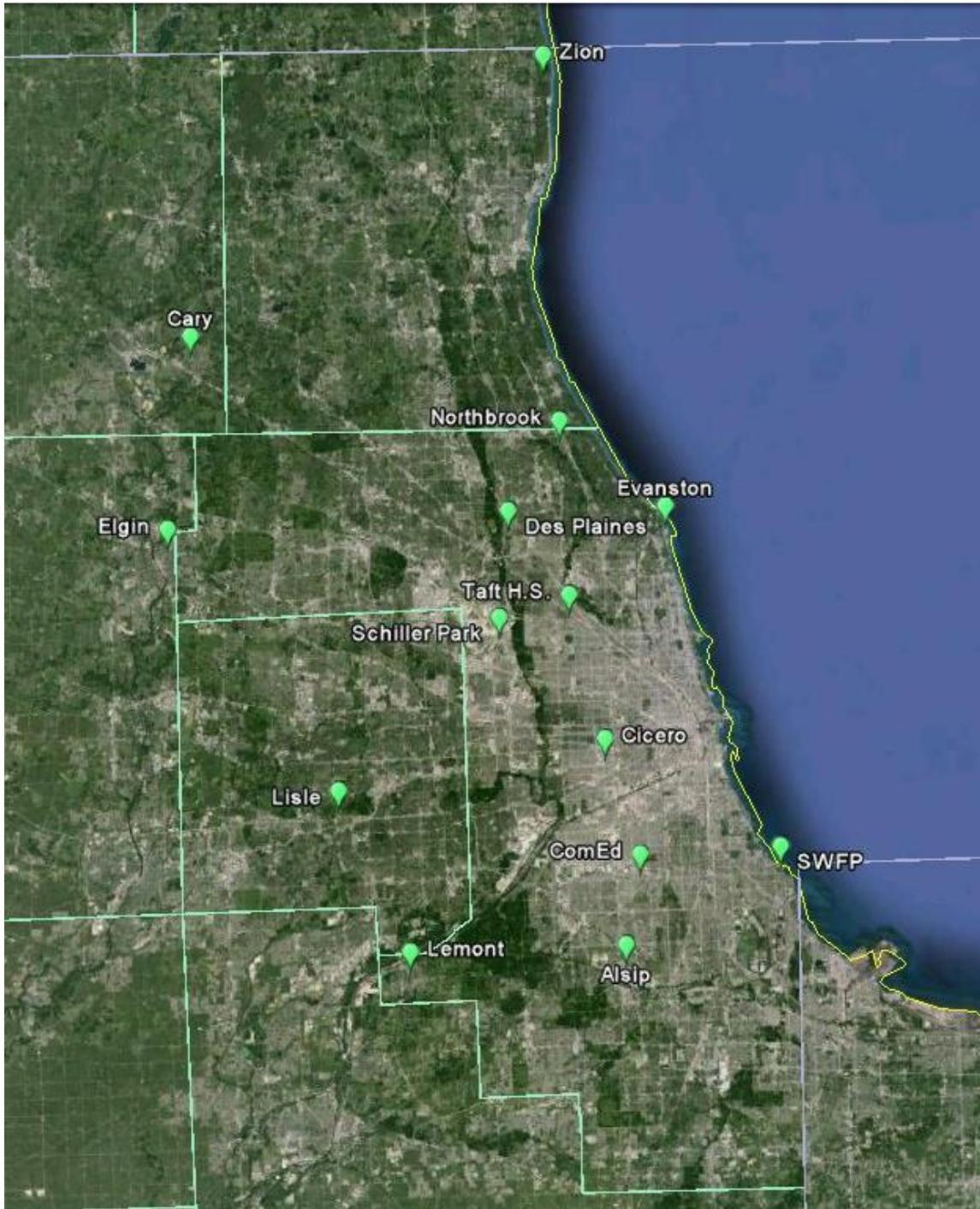


Table 5: PM_{2.5} Sites

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Standard	Station Type	Monitor Type	Sampling Schedule	Collocated	Speciation	Frequency
17-019-0006	Champaign	+40.123883 -88.240550	Champaign-Urbana, IL	Population	N/A	Neighborhood	Annual/24	SLAMS	FEM	Hourly			
17-019-1001	Bondville	+40.052780 -88.372510	Champaign-Urbana, IL	Background	Population	Regional	Annual/24	RURAL NCORE	BGI	1/3, Hourly	FEM		
17-031-0001	Alsip	+41.6709919 -87.7324569	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS, SPM	AS, BAM	1/6, Hourly			
17-031-0022	Washington High School	+41.68716544 -87.53931548	Chicago-Naperville-Michigan City, IL-IN-WI	Population	Source	Neighborhood	Annual/24	SLAMS	AS	1/3	AS		
17-031-0052	Mayfair Pump Station	+41.96548483 -87.74992806	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Population	Neighborhood	Annual/24	SLAMS	AS	1/3			

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Standard	Station Type	Monitor Type	Sampling Schedule	Collocated	Speciation	Frequency
17-031-0057	Springfield Pump Station	+41.912526 -87.722667	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS, SPM	AS, BAM	1/6, Hourly		YES	1/6
17-031-0076	Com Ed	+41.75139998 -87.71348815	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS, SPM	AS, BAM	1/6, Hourly		YES	1/6
17-031-1016	Lyons Township	+41.801180 -87.832349	Chicago- Naperville- Michigan City, IL-IN-WI	Source	Population	Middle	24	SLAMS	A1	1/3			
17-031-3103	Schiller Park	+41.96519348 -87.87626473	Chicago- Naperville- Michigan City, IL-IN-WI	Source	Population	Middle	24	SLAMS	A1	1/3	A1		
17-031-3301	Summit	+41.78276601 -87.80537679	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS	AS	1/3			
17-031-4007	Des Plaines	+42.06028469 -87.86322543	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	SLAMS	A1	1/3			

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Standard	Station Type	Monitor Type	Sampling Schedule	Collocated	Speciation	Frequency
17-031-4201	Northbrook	+42.13999619 -87.79922692	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	URBAN NCORE	THRM	1/3, Hourly	FEM	YES	1/6
17-031-6005	Cicero	+41.86442642 -87.74890238	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS	AS, BAM	1/6, Hourly			
17-031-0116	Lansing Kinery near- road #1	+41.578603 -87.557392	Kingery high traffic near- road segment	Highest Conc.	N/A	Micro	Annual/24	SLAMS	FEM	Hourly			
17-043-4002	Naperville	+41.77107094 -88.15253365	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	SLAMS, SPM	BGI	1/3		YES	1/6
17-065-0002	Knight Prairie	+38.08215516 -88.6249434	Mt Vernon, IL	Background	Population	Regional	Annual/24	SLAMS	FEM	Hourly			
17-083-1001	Jerseyville	+39.11053947 -90.32407986	St Louis, IL- MO	Population	Transport	Urban	Annual/24	SLAMS	FEM	Hourly			
17-089-0003	Elgin	+42.050403 -88.28001471	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	SLAMS	FEM	Hourly			
17-089-0007	Aurora	+41.78471651 -88.32937361	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	SLAMS	BGI	1/3			
17-111-0001	Cary	+42.22144166 -88.24220734	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	Annual/24	SLAMS, SPM	FEM	Hourly			

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Standard	Station Type	Monitor Type	Sampling Schedule	Collocated	Speciation	Frequency
17-113-2003	Normal	+40.51873537 -88.99689571	Bloomington- Normal, IL	Population	N/A	Urban	Annual/24	SLAMS	FEM	Hourly			
17-115-0013	Decatur	+39.86683389 -88.92559445	Decatur, IL	Population	Source	Neighborhood	Annual/24	SLAMS, SPM	FEM	Hourly			
17-119-0024	Granite City Gateway	+38.7006315 -90.14476267	St Louis, IL- MO	Source	Population	Middle	24	SLAMS, SPM	BGI	1/3	BGI	YES	1/6
17-119-1007	Granite City	+38.70453426 -90.13967484	St Louis, IL- MO	Highest Conc.	Population	Neighborhood	Annual/24	SLAMS, SPM	THRM, BAM	1/6, Hourly	THRM		
17-119-2009	Alton	+38.90308534 -90.14316803	St Louis, IL- MO	Population	N/A	Neighborhood	Annual/24	SLAMS	THRM	1/3			
17-119-3007	Wood River	+38.86066947 -90.10585111	St Louis, IL- MO	Population	N/A	Neighborhood	Annual/24	SLAMS	THRM	1/3			
17-143-0037	Peoria	+40.697007 -89.58473722	Peoria, IL	Population	N/A	Urban	Annual/24	SLAMS, SPM	FEM	Hourly			
17-157-0001	Houston	+38.17627761 -89.78845862	N/A	Background	Population	Regional	Annual/24	SLAMS	FEM	Hourly	BGI		
17-161-3002	Rock Island	+41.51472697 -90.51735026	Davenport- Moline-Rock Island, IA-IL	Population	N/A	Urban	Annual/24	SLAMS	FEM	Hourly			

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Standard	Station Type	Monitor Type	Sampling Schedule	Collocated	Speciation	Frequency
17-163-0010	East St. Louis	+38.61203448 -90.16047663	St Louis, IL- MO	Population	Source	Neighborhood	Annual/24	SLAMS, SPM	THRM, BAM	1/6, Hourly			
17-167-0012	Springfield	+39.83192087 -89.64416359	Springfield, IL	Population	N/A	Urban	Annual/24	SLAMS	BGI	1/3			
17-197-1002	Joliet	+41.52688509 -88.11647381	Chicago- Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	Annual/24	SLAMS	BGI	1/3			
17-197-1011	Braidwood	+41.22153707 -88.19096718	Chicago- Naperville- Michigan City, IL-IN-WI	Background	Population	Regional	Annual/24	SLAMS	FEM	Hourly			
17-201-0013	Rockford	+42.26308105 -89.09276716	Rockford, IL	Population	N/A	Urban	Annual/24	SLAMS	FEM	Hourly			

AS – Anderson Sequential (method 155); A1 – Anderson Single Event (method 153); BGI – BGI Instruments (method 142); THRM – ThermoScientific (method 143); FEM – Federal Equivalent Method Thermo Continuous (method 183)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 2a: PM_{2.5} Sites – Illinois

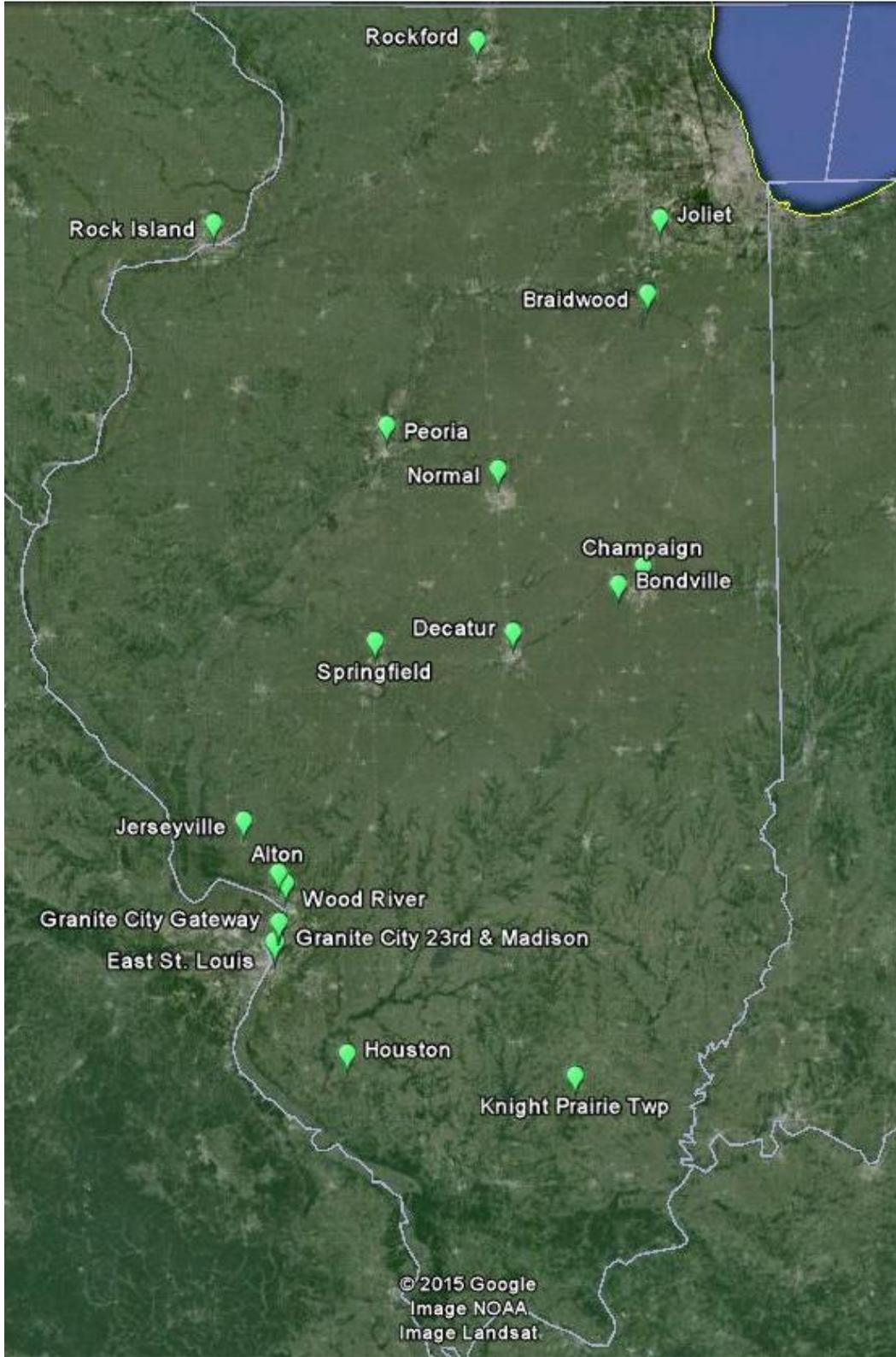


Figure 2b: PM_{2.5} Sites – Illinois Chicago Area

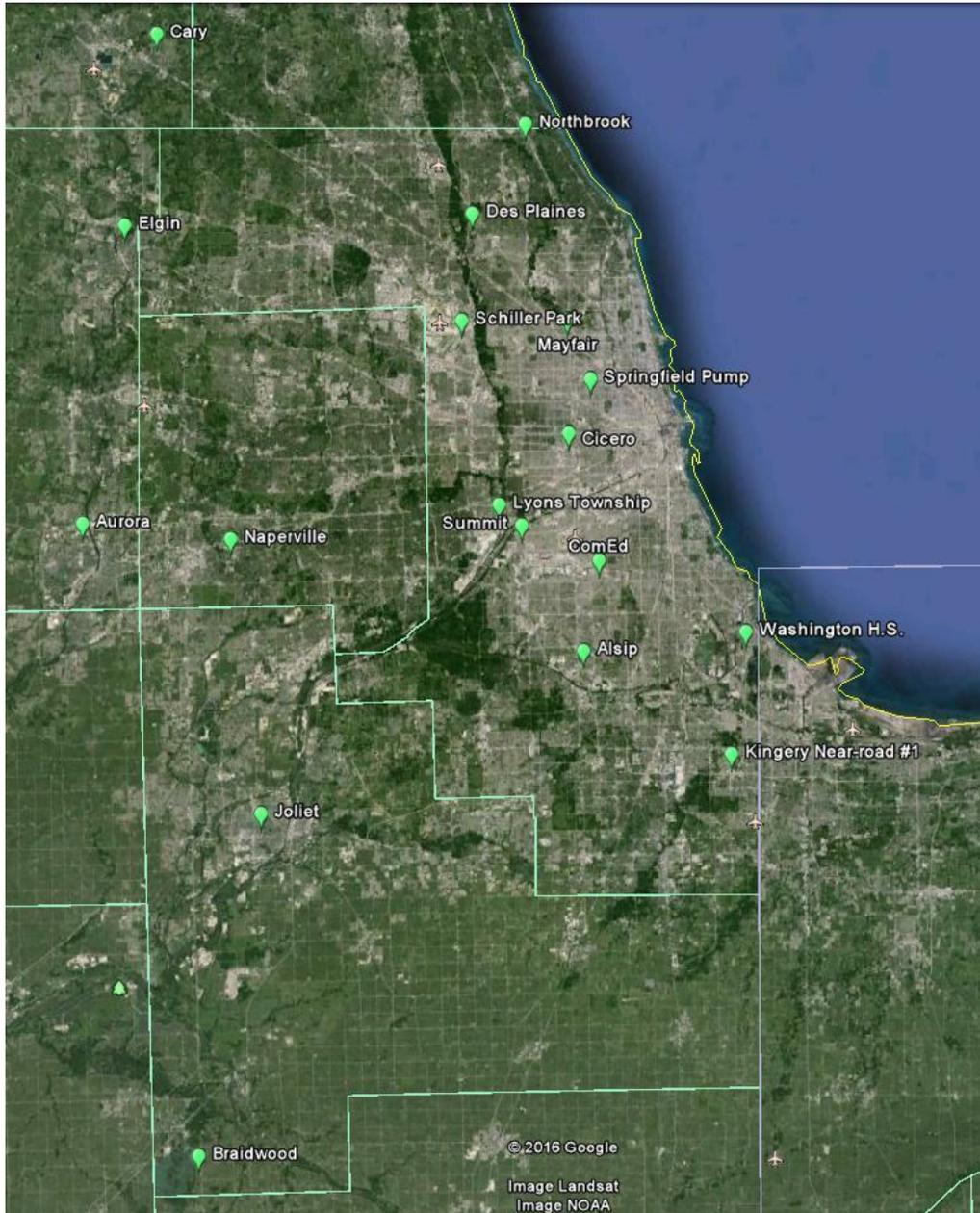


Table 6: SO₂ Sites

AQS ID	Site	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule
17-019-1001	Bondville	+40.052780 -88.372510	Champaign-Urbana, IL	Highest Conc.	N/A	Regional	NCORE	T100U	Hourly
17-031-0076	Com Ed	+41.75139998 -87.71348815	Chicago-Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	SLAMS	T100	Hourly
17-031-1601	Lemont	+41.66812034 -87.99056969	Chicago-Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	SLAMS	T100	Hourly
17-031-4201	Northbrook	+42.13999619 -87.79922692	Chicago-Naperville- Michigan City, IL-IN-WI	Population	N/A	Urban	NCORE	T100U	Hourly
17-099-0007	Oglesby	+41.29301454 -89.04942498	Ottawa-Streator, IL	Highest Conc.	Source	Neighborhood	SLAMS	T100	Hourly
17-115-0013	Decatur	+39.86683389 -88.92559445	Decatur, IL	Population	N/A	Neighborhood	SLAMS	T100	Hourly
17-115-0117	Decatur ADM 1	TBD	Tate & Lyle	Source	N/A	Neighborhood	SLAMS	TBD	Hourly
17-115-0217	Decatur ADM 2	TBD	Archer Daniels Midland	Source	N/A	Neighborhood	SLAMS	TBD	Hourly
17-117-0002	Nilwood	+39.39607533 -89.80973892	St Louis, IL-MO	Background	Population	Regional	SLAMS	T100	Hourly
17-119-3007	Wood River	+38.86066947 -90.10585111	St Louis, IL-MO	Population	N/A	Neighborhood	SLAMS	T100	Hourly
17-143-0024	Peoria	+40.68742038 -89.60694277	Peoria, IL	Population	N/A	Neighborhood	SLAMS	T100	Hourly
17-163-0010	East St. Louis	+38.61203448 -90.16047663	St Louis, IL-MO	Population	N/A	Neighborhood	SLAMS	T100	Hourly
17-179-0004	Pekin	+40.55646017 -89.65402807	Peoria, IL	Highest Conc.	Source	Neighborhood	SLAMS	T100	Hourly

T100 – Teledyne (method 100); T100U – Teledyne Trace Level (method 600)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 3: SO₂ Sites – Illinois

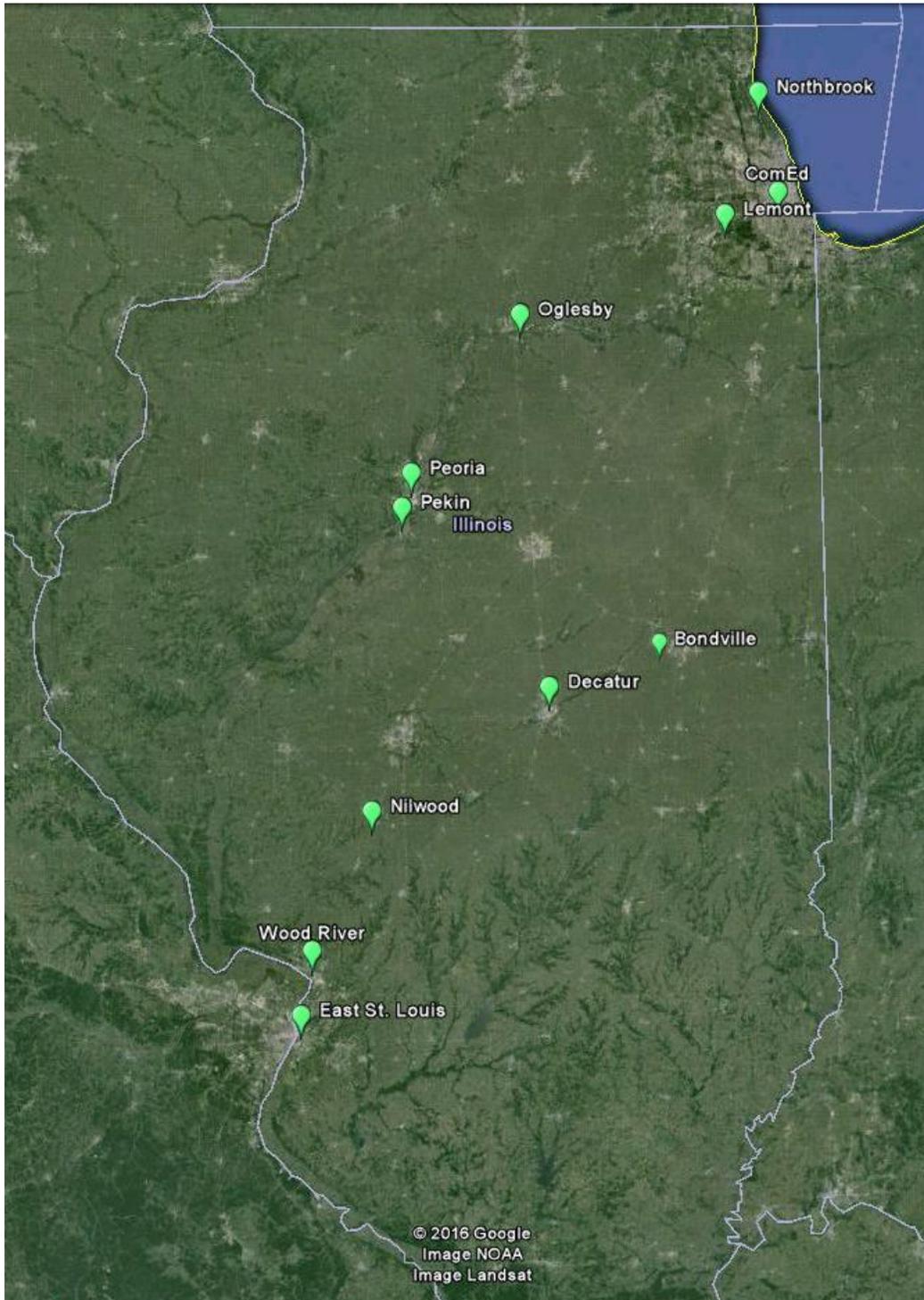


Table 7: NO₂ Sites

AQS ID	Site Description	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule
17-031-0063	CTA Building	+41.877628 -87.635027	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Source	Middle	SLAMS	T200	Hourly
17-031-0076	Com Ed	+41.75139998 -87.71348815	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Neighborhood	SLAMS	TE	Hourly
17-031-3103	Schiller Park	+41.96519348 -87.87626473	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Source	Middle	PAMS/SLAMS	T200	Hourly
17-031-4002	Cicero	+41.85524313 -87.7524697	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Neighborhood	SLAMS	TE	Hourly
17-031-0116	Lansing Kingery near- road #1	+41.578603 -87.557392	Kingery high traffic road segment	Highest Conc.	Source	Micro	SLAMS	T500U	Hourly
17-031-0216	Chicago Kennedy near- road #2	+41.920681 -87.674425	Kennedy high traffic road segment	Highest Conc.	Source	Micro	SLAMS	T500U	Hourly
17-163-0010	East St. Louis	+38.61203448 -90.16047663	St Louis, IL-MO	Population	N/A	Neighborhood	SLAMS	T200	Hourly

T200 – Teledyne (method 099); TE – ThermoScientific (method 074); T500U – Teledyne (method 212)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 4: NO₂ Sites – Illinois

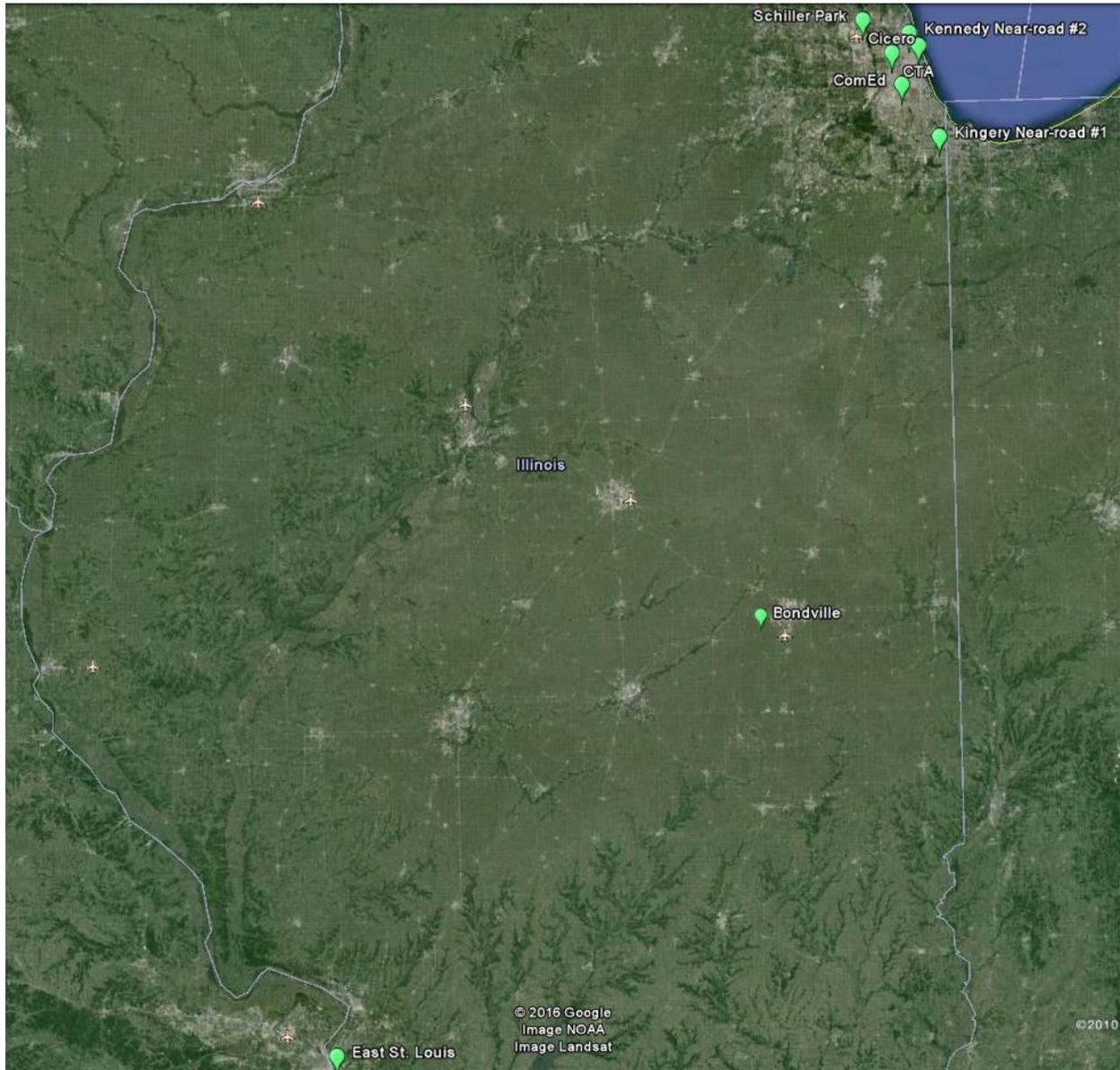


Table 8: CO Sites

AQS ID	Site Description	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule
17-019-1001	Bondville	+40.052780 -88.372510	Champaign-Urbana, IL	Highest Conc.	N/A	Regional	NCORE	API 300EU	Hourly
17-031-4201	Northbrook	+42.13999619 -87.79922692	Chicago-Naperville- Michigan City, IL-IN-WI	Population	N/A	Neighborhood	PAMS/NCORE	48iTLE	Hourly
17-031-0116	Lansing Kingery near-road #1	+41.578603 -87.557392	Kingery high traffic road segment	Highest Conc.	Source	Micro	SLAMS	TBD	Hourly
17-163-0010	East St. Louis	+38.61203448 -90.16047663	St Louis, IL-MO	Highest Conc.	N/A	Neighborhood	SLAMS	48i	Hourly

48i – ThermoScientific (method 054); 48iTLE – ThermoScientific Trace Level (method 554); API 300EU – Teledyne Trace Level (method 593)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 5: CO Sites – Illinois

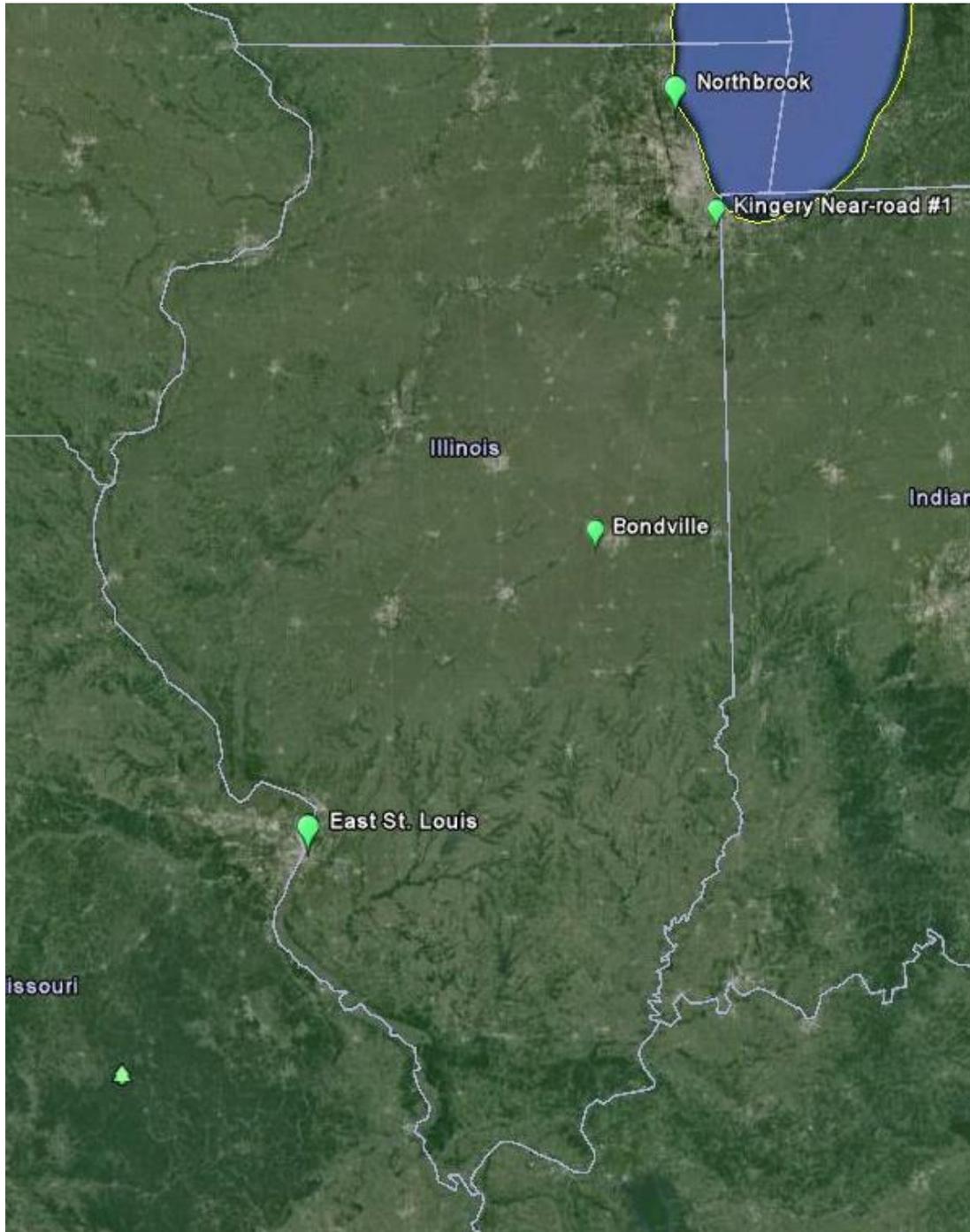


Table 9: PM₁₀ Sites

AQS ID	Site Description	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Sampling Schedule	Collocated
17-031-0022	Washington High School	+41.68716544 -87.53931548	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Source	Neighborhood	SLAMS	BETA	Hourly	
17-031-1016	Lyons Township	+41.801180 -87.832349	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	Source	Middle	SLAMS	BETA	Hourly	
17-031-4201	Northbrook	+42.13999619 -87.79922692	Chicago-Naperville-Michigan City, IL-IN-WI	Population	N/A	Urban	NCORE	Hi-Vol	1/6	YES
17-119-1007	Granite City	+38.70453426 -90.13967484	St Louis, IL-MO	Highest Conc.	Source	Neighborhood	SLAMS	Hi-Vol	1/6	

Graseby Anderson Beta Attenuation (method 076); Met One Beta Attenuation (method 122); Sierra Anderson GMW Hi-Volume Standard Conditions (method 063)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 6: PM₁₀ Sites – Illinois

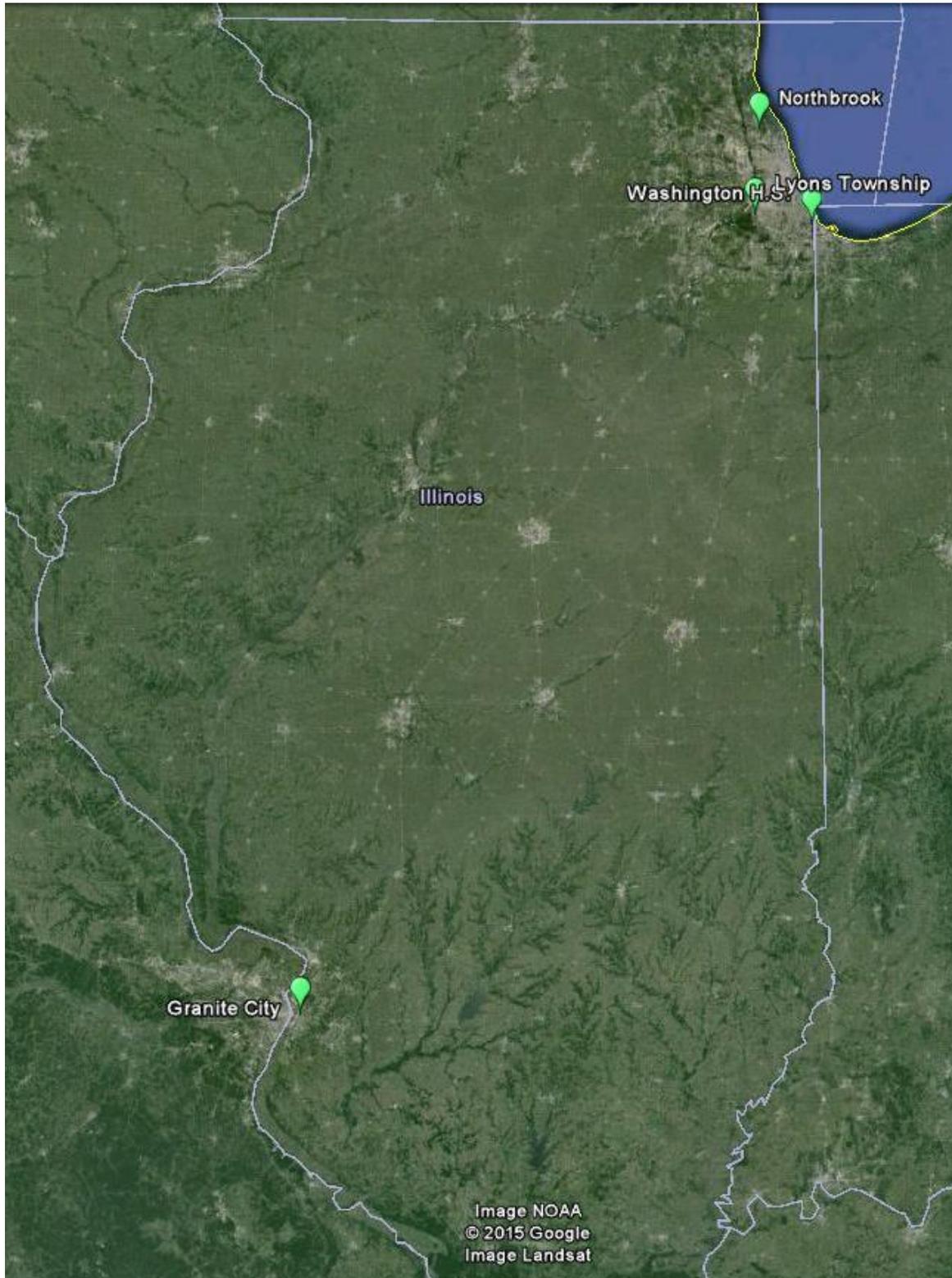


Table 10: Lead Sites

AQS ID	Site Description	Latitude Longitude	Area Represented	Primary Objective	Secondary Objective	Spatial Scale	Station Type	Monitor Type	Frequency	Collocated
17-031-0022	Washington High School	+41.68716544 -87.53931548	Chicago-Naperville-Michigan City, IL-IN-WI	Highest Conc.	N/A	Neighborhood	SLAMS	Hi-Vol	1/6	
17-031-0110	Perez	+41.855917 -87.658419	H. Kramer	Source	N/A	Middle	SLAMS	Hi-Vol	1/6	YES
17-031-0113	Riverdale	+41.663611 -87.622483	Mittal Steel	Source	N/A	Middle	SLAMS	Hi-Vol	1/6	
17-089-0113	Geneva	+41.884417 -88.282692	Johnson Controls	Source	N/A	Middle	SPM	Hi-Vol	1/6	
17-115-0110	Decatur	+39.862576 -88.940748	Mueller	Source	N/A	Middle	SLAMS	Hi-Vol	1/6	
17-119-0010	Granite City	+38.69443831 -90.15395426	Mayco / US Steel	Highest Conc.	Source	Middle	SLAMS	Hi-Vol	1/6	YES

Hi-Q Hi-Volume Local Conditions (method 094); GMW Hi-Volume Local Conditions (method 043)

Red indicates monitor proposed for removal

Green indicates monitor proposed for installation

Gray indicates a proposed method or frequency change

Figure 7: Lead Sites – Illinois

