NADP Site Information Worksheet

National Atmospheric Deposition Program

Introduction

New sites that wish to join a National Atmospheric Deposition Program (NADP) network must complete this form, the Site Information Worksheet (SIW). The completed SIW, site sketch, and site photos should be submitted to the address listed below. Alternatively, documentation may be submitted via email at rclay@illinois.edu.

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NADP Program Office
Illinois State Water Survey
University of Illinois at Urbana-Champaign
2204 Griffith Drive
Champaign, Illinois 61820-7495

Sites that are proposing to move more than 30m from their original, approved location must submit a new SIW, site sketch, and site photos as well.

Questions regarding the SIW should be directed to Roger Claybrooke. He may be contacted at 217-244-2838, or via email at rclay@illinois.edu.

Attach additional pages as needed.

Check one, this SIW is for a: ____ **New Site** ____ **Site Relocation**

Site Identification

Parameter	Value
Site Name	
Site ID*	
County	
State	
Latitude of the collector/sampler (e.g., 40.0528 degrees N, 40 degrees 3.168 minutes N, or 40 degrees 3 minutes 10 seconds N)	
Longitude of the collector/sampler (e.g., 88.3719 degrees W, 88 degrees 22.314 minutes W, or 88 degrees 22 minutes 19 seconds W)	
Altitude of the collector/sampler (meters)	
Sponsoring Agency	
Operating Agency	
Site Owner	

* Value assigned by the NADP Program Office.

Site Personnel

Parameter	Site Operator	Site Supervisor
name		
phone number		
fax number		
E-mail address		
mailing address		
shipping address (for NADP site supplies)		

Site Logistics

How will the site be secured against vandalism?

How will the site be accessed in summer (e.g., auto/truck, ATC, foot)?

How will the site be accessed in winter (e.g., auto/truck, ATC, foot)?

Site Instrumentation

Parameter	Description
power* (e.g., AC, Solar, Battery)	
collector/sampler, manufacturer	
collector/sampler, model number	
precipitation gage, manufacturer	
precipitation gage, model number	
wind shield type (e.g., none, Alter, DFIR, Nipher)	
backup precipitation gage, if available**	

* If AC powered, include the voltage and service amperage. If solar powered, include the output wattage and angle of the panel. If battery powered, include the type (e.g., lead-acid, gel cell) and capacity of the battery.

** Include the type (e.g., stickgage, tipping bucket, Belfort gage) and network associated with the backup precipitation gage.

Other Monitoring Networks

Indicate whether any of the following networks are located within 500m of the proposed site.

Aerosol and Gas Measurements		
Network	**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
AIRMoN – Dry		
CASTNET		
IMPROVE		
LTER		
NDAMN		
SURFRAD		
USDA UVB		
Other		
Other		
Other		

Meteorological Measurements		
Network	**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
CRN (Climate Reference Network)		
NWS Coop Station		
State Climate Network		
Other		
Other		
Other		
Other		

Site Description

Ground Cover within 30m of collector/sampler		
Type	**Percent Coverage**	**Notes**
Exposed dirt		
Rock		
Mown grass		
Dense vegetation		
Trees		
Water		
Other		
Other		
Other		
Other		

Land use within 500m of collector/sampler		
Type	**Percent Coverage**	**Notes**
Pasture		
Cultivated fields		
Desert		
Forest		
Open water		
Residential development		
Commercial development		
Other		
Other		
Other		
Other		

Do animals graze near the site? If yes, describe (i.e., type of animal, approximate number, portion of year, proximity to the site).

Is there any treated lumber within 5m of the collector/sampler? If yes, describe (i.e., amount, and location relative to the instrument).

Is there any galvanized metal within 5m of the collector/sampler? If yes, describe (i.e., amount, and location relative to the instrument).

Are there any overhead wires or tower guy wires within 5m (laterally) of the collector/sampler? If yes, describe.

Assume magnetic north is zero degrees, rotate clockwise from the proposed location of the collector/sampler when completing the tables below.

Transportation Related Sources*, 0 - 100m from the collector/sampler					
Description	**Surface Material (e.g., asphalt, concrete, dirt, gravel, sand, mix)**	**vehicles/day**		**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
		Summer	**Winter**		
e.g., parking lot	gravel	10	10	40	120
e.g., airport taxiway	tarmac	20	20	100	10

* Transportation related sources include: maintenance yards, parking lots, private access roads, streets, highways, waterways, marinas, and airports.

Storage Areas*, 30 – 100 m from the collector/sampler			
Object	**Amount**	**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
e.g., fuel for tractors	500 gallons	30	150

* Storage areas for road salt, agricultural chemicals, fuels, waste, etc.

Large Emission Sources*, 100m – 20km from the collector			
Description	**Size (e.g., MW, kg/yr, number)**	**Distance from Proposed Site (km)**	**Direction from Proposed Site (degrees)**
e.g., electric utility	30 MW	5	330
e.g., poultry farm	20,000 chickens	0.75	110

* Large emission sources include: feedlots, stationary combustion sources, mining operations, incinerators, abattoirs, and chemical manufacturers.

Complete the table on the following page for each instrument (e.g., collector, raingage, sampler, passive sampler) in the proposed network. The table appears twice on the page in case the proposed network includes two instruments. Remember to identify the instrument at the top of the table.

Objects include other monitoring equipment, bushes, trees, fences posts, fences, towers, instrument shelters, sheds, buildings, etc that are greater than 1m tall (as measured from the base of the collector/sampler) and greater than 5cm in projected dimension (e.g., width, depth).

Instrument 1

Objects, 0 – 30 m from the _____				
Object	**Object Dimensions**		**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
	Height (m)	**Width or Depth (m)**		
e.g., wood fence post	1.2	0.2	4.9	90
e.g., tree	2.3	2.8	8	130

Instrument 2

Objects, 0 – 30 m from the _____				
Object	**Object Dimensions**		**Distance from Proposed Site (m)**	**Direction from Proposed Site (degrees)**
	Height (m)	**Width or Depth (m)**		
e.g., wood fence post	1.2	0.2	4.9	90
e.g., tree	2.3	2.8	8	130

Laboratory Facilities

Parameter	Applicable Network(s)	Value
lab space (e.g., none, good, fair, poor)	All	
distance between lab and site (km)	All	
balance, manufacturer	AIRMoN, NTN	
balance, model number	AIRMoN, NTN	
type of low conductivity water (e.g., de-ionized, distilled, milli-Q, bottled)	All	
pH meter, manufacturer	AIRMoN	
pH meter, model number	AIRMoN	
pH probe, manufacturer	AIRMoN	
pH probe, model number	AIRMoN	
conductivity meter, manufacturer	AIRMoN	
conductivity meter, model number	AIRMoN	
conductivity cell, manufacturer	AIRMoN	
conductivity cell, model number	AIRMoN	

Worksheet Documentation

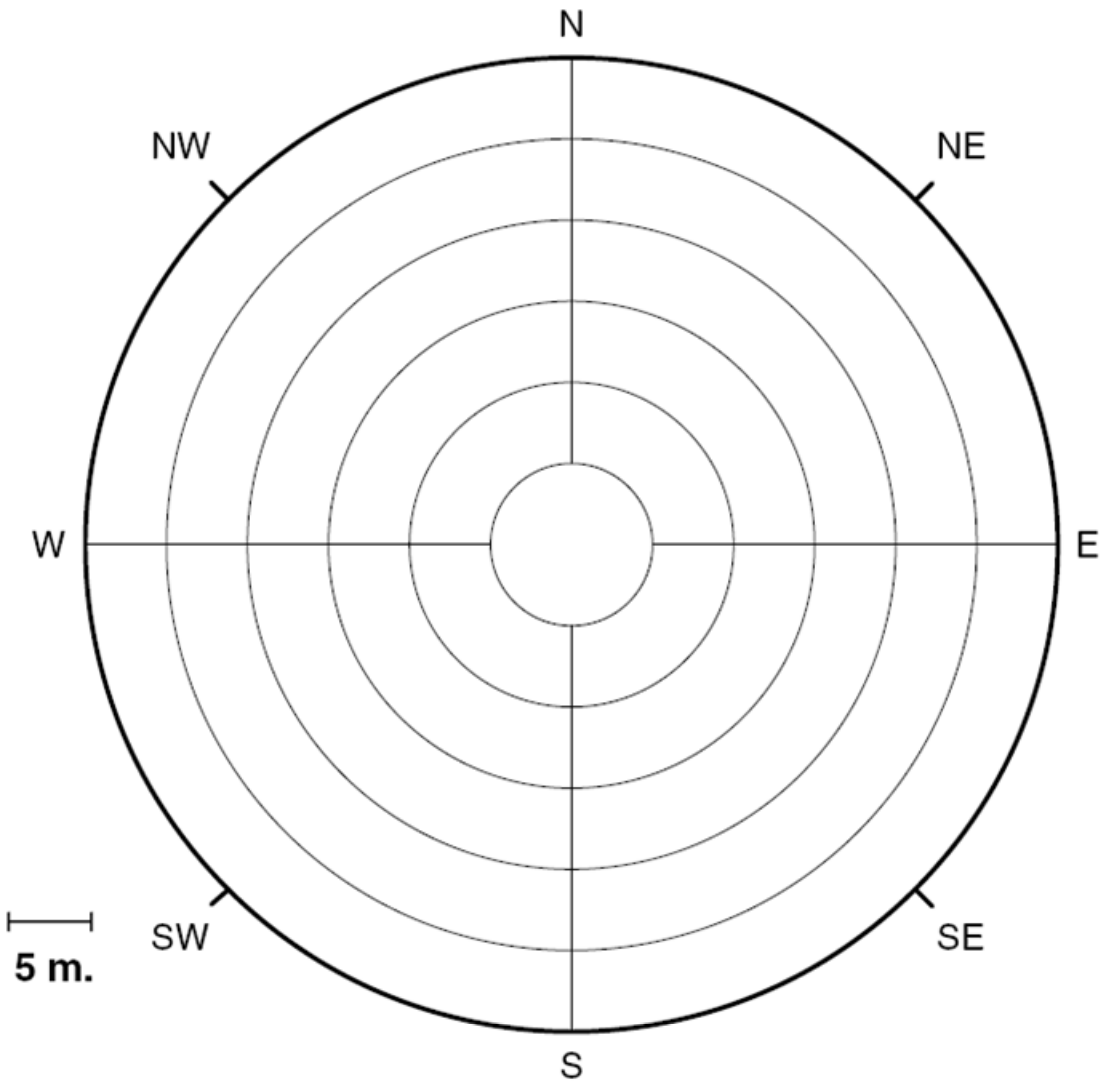
Parameter	Value
name of person who completed SIW	
title	
phone number	
fax number	
E-mail address	
mailing address	
date prepared	

Remember to include the following documentation when submitting the completed Worksheet:

Site sketch (using the template provided)

Photos of the proposed location in 8 directions (N, NE, E, SE, S, SW, W, and NW)

NADP 30m Site Sketch Template



N	NADP Collector
	NADP Raingage
	Raingage Shield
	Buildings
AQ	Air Quality Shelter
	Fence
	Non-NADP Instrument
	Platform
	Post
	Power Line
	Solar Panel
	Stick Gage
	Tower

GROUND COVER

	Trees
	Shrubs
	Dense Vegetation
	Mown Grass
	Bare Ground
	Sparse Vegetation
	Rock
	Water
	Shrub In Violation
	Tree In Violation

Site Name:

Date: