

Appendix B. GAW PRECIPITATION CHEMISTRY and WET DEPOSITION STATION DESCRIPTION

This appendix contains forms for describing GAW precipitation chemistry and wet deposition measurement stations. While there is no requirement to use these specific forms, documentation for every station should be available from the NMHS or other sponsoring agency. These forms can serve to guide the periodic review or audit of existing stations or the selection of a new or re-located station. Periodic documentation of site characteristics provides a chronology of changes that may be important in understanding the data at a station. Each NMHS or other sponsoring agency is encouraged to adopt these forms as part of their QC programme or create similar ones tailored to their specific needs.

PRECIPITATION CHEMISTRY and WET DEPOSITION STATION DESCRIPTION

Date (yyyy/mm/dd) _____

(circle one) New Site Site Change Revision

1. GENERAL DESCRIPTION

Identification	Name:	Site Code (assigned by GAW):
Address		
Classification	(circle one) Global Regional Other (specify)	
Coordinates	Latitude N/S (decimal degrees)	Longitude E/W (decimal degrees)
Elevation (m)	(above sea level)	

2. ADMINISTRATION

Station Contact Person	
Mailing Address	
Telephone	E-mail :
Laboratory Contact Person	
Laboratory Mailing Address	
Laboratory Telephone	E-mail :
Site Ownership	
Operating Agency	
Is site part of another network?	(specify)

3. INSTRUMENTATION

Instrument	Type/Model	Height of orifice above ground (m)
Precipitation Sampler		
Precipitation Gauge		

4. REGIONAL DESCRIPTION OF THE STATION (10 km – 50 km)

Attach a map. Do not leave blanks, indicate none or unknown

Item	North Direction (NW-NE)	East Direction (NE-SE)	South Direction (SE-SW)	West Direction (SW-NW)
<p>Air pollution sources >10 tonnes per year (SO_x, NO_x, NH₃, HCl, etc.)</p> <p>For global site, include air pollution sources >1,000 tonnes per year out to 150km</p>				
<p>Major roads with >5,000 vehicles per day (estimate traffic density)</p>				
<p>Cities with > 10,000 persons</p> <p>For global site, include cities with populations > 100,000 out to 200km.</p> <p>Give approximate populations.</p>				

5. LOCAL DESCRIPTION OF THE STATION (150 m – 10 km)

Attach a map. Do not leave blanks, indicate none or unknown

Item	North Direction (NW-NE)	East Direction (NE-SE)	South Direction (SE-SW)	West Direction (SW-NW)
Roads, with estimated traffic densities >1,000 vehicles per day				
Airports, railways, or ship routes, with estimated traffic densities				
Irrigated fields, farms (type of crops and/or animal/livestock species), animal confinement facilities				
Air pollution sources >10 tonnes per year (SO _x , NO _x , NH ₃ , HCl etc.)				
Cities or towns with > 1,000 persons, and their approximate populations.				

6. ON-SITE DESCRIPTION (within 150 m)

Attach a sketch. Do not leave blanks, indicate none or unknown

Item	North Direction (NW-NE)	East Direction (NE-SE)	South Direction (SE-SW)	West Direction (SW-NW)
On-site trees, poles, fences, buildings (estimate heights)				
On-site ground cover (estimate percent gravel, grass, bare soil, rock, etc.)				
Slope of the site (range of degrees)				
Next to site: incinerators, domestic heating, parking lots, storage of fuel or agricultural products, dairy or other livestock				
Land cover surrounding site: forest, streams, river, lake, marsh, farms, fields, tundra, desert, grassland, etc.				
Roads (include estimate of traffic density*)				

**Describe roads with >100 vehicles per day for global sites, and roads with >1,000 vehicles per day for regional sites.*