



Department of Environmental Conservation
 Division of Environmental Health
 Drinking Water Program
 555 Cordova Street
 Anchorage, AK 99501
 Phone: (907) 269-7549



ALASKA PUBLIC WATER SYSTEMS LATITUDE/LONGITUDE DATA

Public Water System Name:	PWS ID#:
Name of Person Determining Lat/Long:	Phone:
Facility Name:	Date:
<p>1) Facility Type. (Check one)</p> <p>Sources: <input type="checkbox"/> Wellhead <input type="checkbox"/> Surface Water Intake <input type="checkbox"/> Treatment Plant</p> <p style="text-align: center;">If Facility Type is Treatment Plant skip question No. 5</p>	
<p>2) The date the latitude and longitude were researched or collected. Example: 06/30/2007</p> <p style="text-align: center;"> <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> </p>	
<p>3) Latitude in decimal degrees. Must be recorded in WGS 84. For Alaska, latitudes are between 51 and 80 North. Give data to available accuracy. Example: +56.234230</p> <p style="text-align: center;">+ <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	
<p>4) Longitude in decimal degrees. Must be recorded in WGS 84. For Alaska, longitudes are generally -126 to -180 West. The minus sign means "West." Use + for "East." Example: -136.23423</p> <p style="text-align: center;">- <input type="text"/> <input type="text"/> <input type="text"/> . <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p>	
<p>5) Are the latitude/longitude coordinates taken at the Wellhead /Intake? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If No, describe the proximity to the wellhead/intake (for example, 30 feet NW of the wellhead or intake)</p>	
<p>6) Type of GPS Unit used to determine latitude and longitude. (Describe unit and model number)</p>	
<p>7.) Lat/long accuracy in meters. GPS accuracy is typically encoded in the unit's display. The datum used <u>must be in WGS 84.</u></p> <p>Example: 30. (meters)</p> <p><input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> . Meters</p>	
<p>8.) Site map or aerial image identifying the location of the facility <u>must be provided</u> to assist DEC Staff verify the lat/long location in the State geospatial database. (As-build, Google Maps, Google Earth, MSN Live Earth, Yahoo Maps are all acceptable.)</p>	

For DEC-Drinking Water Protection Staff Verification of Location Information

(If locations have been verified in the past, there is no need to complete this form unless a visual discrepancy is identified)

9.) Information source for original latitude/longitude. *(Check one box)*

The State of Alaska

Regulated Entity

Contractor

(Health Corp, Community, etc.)

(San. Surveyor, inspector, etc.)

Other

Describe: _____

10.) Latitude/longitude verification code. Indicates whether the latitude and longitude have been verified by ADEC staff.

Verified from Google Earth Scale of Map: _____

Verified from Relative to Maps Features

ADEC-Drinking Water ArcGIS SDMI Aerial Imagery: Scale: _____

Verified from QA/QC Field Inspection

Data must be verified by DEC-Drinking Water Protection staff before entering coordinates into SDWIS.

Overriding previous latitude/longitude entries requires that the coordinates locations to be visually verified using aerial imagery or site maps .

Always notify Drinking Water Protection staff when changing coordinates because it will affect the location of the Drinking Water Protection Area.

11.) During the verification process was it determined that the lat/long coordinates recorded on Page 1 were Accurate? Yes No

If No, please describe the method used to obtain the correct lat/long coordinates.

If verification identified inaccurate lat/long coordinates, record the new coordinates in database and assume an accuracy of +/- 25 meter.

All latitude and longitude data entered into SDWIS will be converted to NAD83, which is the State's geospatial Standard. Note: The maximum difference between NAD83 and WGS84 is 1 meter in Alaska.

12.) DEC Staff Responsible for verifying lat/long location.

Name of staff verifying lat/long location

Date