



Standing Rock Sioux Tribe
Human Resources / Personnel Department

POSITION: Water Quality Specialist
Water Resource Department

SALARY: \$25.59 + Annual & Sick Leave

OPENING DATE: July 27, 2010 **CLOSING DATE:** August 10, 2010

SCOPE OF POSITION:

The Standing Rock Sioux Tribe is seeking a qualified individual to serve as Water Quality Specialist within the Tribal Water Resource Department. The incumbent will be under the direct supervision of the Tribal Water Resource Administrator, who will provide supervision and perform evaluations. The incumbent shall assist with various duties related to resource management through the protection, preservation and compliance of the Tribal Water Code. Incumbent will provide supervision to the Water Resource Technicians.

DUTIES AND RESPONSIBILITIES:

1. Apply for and secure funding for each fiscal year from the Bureau of Indian Affairs for water sampling, studies, equipment and other activities identified by the Water Administrator.
2. Compile data and information needed to complete the Treatment as State (TAS) application.
3. Develop Water Quality Standards for the Standing Rock Reservation with the help of ND/SD USGS office the ND Department of Health and EPA.
4. Responsible for all Clean Water Act 106 activities.
5. Interact with Regional VII EPA office on Clean Water Act and Treatment as State requirements and activities.
6. Select and monitor points of diversion and sampling sites to develop water sampling analysis plan for each fiscal year.
7. Conduct water quality sampling and testing of surface water and ground water resources and which requested, sample drinking water, using various testing and sampling equipment. Update equipment as needed.
8. Be familiar with sample collection methods, chain of custody forms, quality control practices and quantitative analysis procedures.
9. Use and maintain specialized water testing and sampling equipment and download data from water sampling equipment to the computer.
10. Conduct field investigations of surface and ground water users for possible pollution sources and/or violations of environmental laws and Water Permits.

11. Record on a weekly basis, water meter readings from tribal and non-tribal vendors using Tribal water for construction, irrigation and other authorized purposes for billing purposes.
12. Identify on reservation maps specific locations of all tribal and non-tribal water permit owners, using GIS, GPS, aerial photographs of intakes, pumps, distribution and other equipment and update all of existing and new software and accessories.
13. Utilize GIS and GPS software in map preparations of sampling sites, update GIS database inventory of arable lands and water resources within the Standing Rock Reservation for water quality, environmental issues and annual sampling reports.
14. Utilize USGS stream gauging stations on the reservation to monitor water use and availability on Oak Creek and Grand River in South Dakota, the Cannonball and Missouri Rivers in North Dakota.
15. Assist the Water Administrator with setting up meetings within the reservation area with tribal, federal and state entities.
16. Must have knowledge of the following water laws that pertain to water issues on Standing Rock:
 - a. Safe Drinking Water Act.
 - b. Clean Water Act.
 - c. Resource Conservation and Recovery Act.
 - d. Winter's Doctrine
 - e. Federal Indian Water Law and State water appropriations systems.
17. Review and interpret lab analysis results for water samples, identify problem areas, and provide narrative analysis of all water sample results to ensure compliance with CWA surface water quality standards.
18. Assists in coordinating with Regional USGS and EPA offices to conduct and attend water sampling seminars/training for Water Quality Specialists and Water Resource Technicians on and off reservation in regards to water rights, environmental laws, water permits, GIS, water sampling, and data analysis.
19. Enter data into database using Excel, ArcGIS-Hydro, Storet, etc. onto spreadsheets to be converted into charts, graphs, tables, etc. upon requests for Water Resources Control Board meetings, Economics Committee, Tribal Council, Local Districts, and/or Tribal Chairman.
20. Participate and coordinate with Water Administrator during emergency and non-emergency events.
21. Administers, maintain and update the Department of Water Resource Website.
22. Identify and compile database information using Excel spreadsheet format. Data can then be migrated into ArcGIS-Hydro to be created into charts, graphs, maps in response to requests for informational data needed from ECON, DWR board, Local Districts, Tribal Council and Tribal Chairman.
23. Attend monthly Water Resource Control Board and Economics Committee meetings.

24. Assists in coordinating and attend seminars/conferences pertaining to Native American water rights/environmental issues as identified by Water Administrator.
25. Keep logs of all work related activities.
26. Submit monthly and annual report.
27. Provide written narrative that summaries annual activities in the Department of Water Resources Scope of Work.

QUALIFICATIONS:

1. Four (4) year degree in Environmental Science and/or Natural Resource Management from an accredited college with four (4) or more years of experience preferred.
2. Working knowledge of how to operate a GPS hand held unit and navigate thru the ArcGIS software and download water data from GPS to computer.
3. Working knowledge of all sampling equipment.
4. Must be able to explain, perform and follow standard methods, sampling techniques and standard operating procedures necessary to carry out water monitoring, sampling, testing and analysis.
5. Must have the ability to use topographical, geological and ownership maps. Examine/analyze data from surveys, reports, aerial photographs and satellite images for map preparation.
6. Must be familiar with issues pertaining to Native American water rights/environmental issues.
7. Must be familiar with the Clean Water Act, Safe Drinking Water Act, North Dakota Water Quality Standards, South Dakota Water Quality Standards and the Standing Rock Tribal Water Code.
8. Must be familiar with and maintain hydrologic testing equipment and standard operating procedures as they are used.
9. Must be proficient in the use of GPS and GIS software. Compile data required for map preparation with the use of survey note, records and reports from original maps.
10. Must maintain a valid driver's license with proof of insurance.

NOTICE:

SELECTED CANDIDATE(S) FOR STANDING ROCK SIOUX TRIBE POSITIONS ARE SUBJECT TO ALCOHOL AND DRUG TESTING. FAILURE TO ADHERE TO AND SUCCESSFULLY PASS THE ALCOHOL AND DRUG TESTING WILL BE CAUSE FOR REVOCATION OF JOB OFFER.

No Tribal housing is available. The position will be located at the Water Resource Department, Tribal Administrative Service Center, Fort Yates, ND.

APPLICATIONS:

Submit a Tribal application to the Human Resource Department, Standing Rock Sioux Tribe, P.O. Box D, Fort Yates, ND 58538.

ALL APPLICATIONS RECEIVED AFTER 4:30 PM ON THE CLOSING DATE WILL NOT BE CONSIDERED.