

JOB ANNOUNCEMENT
Temporary Summer Positions
Water Quality, Chemistry, and Microbiology
North Dakota Department of Health

Starting Salary Range: \$8.50 to \$12.50/hour based on education and experience
Closing Date: February 27, 2009
Location: Bismarck, ND
Status: Temporary Summer Employment
Position Number: 301-Temp
Type of Recruitment: External
Divisions: Water Quality, Chemistry, and Microbiology
Date of Issue: January 27, 2009

The North Dakota Department of Health has a variety of summer employment opportunities available. Individuals must be enrolled in a college or university or have a bachelor's degree and possess a desire for a career in chemistry, microbiology, geology, hydrology, the environmental sciences, or in natural resource management with coursework in chemistry, biology, microbiology, biochemistry, geology, engineering or other related physical or natural science. Summer employment with the Health Department offers individuals the opportunity to gain and apply degree-related knowledge and work experience.

Summary of Work:

Surface Water Quality Management Program

Two temporary employment opportunities are being offered in the Surface Water Quality Management Program. Job responsibilities include a wide variety of water quality and biological monitoring activities. These activities include: (1) water quality sampling from lakes, wetlands, and streams across the state; (2) sampling of aquatic biota including fish, macroinvertebrates, and algae using nets, electrofishing gear and other related equipment; and (3) collection and sample preparation of fish for tissue analysis. These positions will also include some office and laboratory work, including entering data in various water quality databases, cleaning and maintaining field equipment and the preparation and preservation of samples for laboratory analysis.

Chemistry

The Division of Chemistry has three summer temporary positions. Duties include the preparation of fish tissue, sediments, vegetation and water samples using techniques such as liquid/liquid extractions, liquid/solid extractions, solid phase extractions, and automated techniques. Following established protocols and standard operating procedures, samples are analyzed for trace metals, nutrients, pesticide residues, synthetic organic compounds and element specific parameters. The laboratory complies with EPA, FDA, ASTM, and AOAC standards and methodologies. The

students will be exposed to modern analytical instrumental techniques such as atomic spectroscopy, colorimetry, and gas, liquid, and gel permeation chromatography. They will gain beneficial experience by working in a state of the art laboratory. Completion of one year of college chemistry and calculus is required and preference will be given to students majoring in Chemistry.

Microbiology

The Division of Microbiology has three summer temporary positions. Two of these positions will be in the mosquito surveillance program. Duties will include the preparation and distribution of supplies and materials necessary to the operation of a New Jersey light trap network. The processing, counting, and speciation of weekly mosquito populations caught in these traps. Compilation and distribution of a weekly mosquito report as well as a season end report. Responsibilities also include weekly preparation and redistribution of mailing containers for the submission of mosquito samples. The third position will assist in the environmental water testing program. Duties will include the receipt and processing of water specimens from multiple municipal and environmental sources. Standard methods will be used to process, test and report results. Duties in all three of these positions may be shared by all candidates depending upon the needs of the division, and the individual programs.

Comments:

All of the positions will be based in Bismarck; however, considerable travel, with overnight stays, will be required of the positions hired to work in the surface water program. Transportation and per diem reimbursement will be provided by the department. A good driving record with a valid driver's license is required. Experience with four-wheel drive vehicles, boats, computers (Arcview, Office), GPS and maintenance of related equipment is helpful. All positions require computer and data management capabilities.

Application Procedures:

If you are interested in one of the above positions, please submit a State of North Dakota Application for Employment Form (SFN 10950) along with a college transcript to the North Dakota Department of Health, Human Resources Office, 600 East Boulevard Avenue, Dept. 301, Bismarck, ND 58505-0200, phone number 701.328.2392. Indicate on the application form which position(s) you are applying for. Application forms may be obtained at the Health Department, any North Dakota Job Service Office or a North Dakota college or university counseling center. Applications may also be downloaded from the Health Department website at <http://www.health.state.nd.us/HumanResources/>.

Applications must be received or postmarked by February 27, 2009.

An Equal Opportunity Employer