

1316,Hydrologic Technician (Field Assistant),GG-05

Based on PD Tracking Number 0002010

PD Tracking Number 0005161

Major Duties

GG-1316-05 (Standard PD)

Incumbent of this position performs technical work in support of professional or technical employees engaged in hydrologic data collection activities or chemical analysis of water samples in a laboratory.

Major Duties

Collects surface-water, ground-water, and quality-water data from gaging stations, wells, or QW monitoring stations.

Performs laboratory analysis of water samples to determine specified sediment, chemical, or biological concentrations or physical characteristics.

Operates a government motor vehicle as an incidental driver.

FACTOR STATEMENTS

FACTOR 1 - KNOWLEDGE REQUIRED BY THE POSITION

- Knowledge of routine water measurement and sampling methods, equipment, and site selection techniques in order to collect hydrologic data.
- Knowledge of the operation, maintenance, and servicing of hydrologic recording and measuring instruments.
- Basic knowledge of procedures and techniques utilized in a chemical laboratory for analyzing water samples.

FACTOR 2 - SUPERVISORY CONTROLS

Works under the close supervision of a hydrologist, chemist, or technician. Routine assignments are independently performed with only general instructions. Detailed instructions are provided for new or unusual assignments. Non-routine work is reviewed in progress and all work is reviewed upon completion for accuracy and conformance to instructions.

FACTOR 3 - GUIDELINES

Guidelines include manuals on techniques of data collection or laboratory analysis, procedural directives, oral instructions, and established methods of operating, servicing, installing, and setting-up equipment and instruments. Guidelines are detailed and relate directly to assignments. Necessary deviations from established procedures are discussed with the supervisor.

FACTOR 4 - COMPLEXITY

Assignments consist of specific data collection or laboratory analysis tasks. Tasks are usually routine, requiring accuracy and attention to detail in operating, servicing equipment, and

recognizing unusual situations, which may affect the accuracy of data.

FACTOR 5 - SCOPE AND EFFECT

The purpose of the work is to collect data or perform laboratory analysis of samples, which will be further analyzed by hydrologists, chemists, or technicians. Work efforts have an impact on the accuracy of reports prepared by the organization.

FACTOR 6 - PERSONAL CONTACTS

Personal contacts are with professional employees or technicians in the immediate office or laboratory. There may be some contact with the general public in day-to-day field activities.

FACTOR 7 - PURPOSE OF CONTACTS

Contacts are chiefly to obtain advice or direction, and clarify or exchange information.

FACTOR 8 - PHYSICAL DEMANDS

(Level 8-1, 5 points)

{ } The work is mainly sedentary, but may require some walking and carrying of light items in offices, laboratories, and other work areas. Employees may also carry light items such as briefcases, notebooks, and work papers, or drive a motor vehicle. The work does not require any special physical effort or ability.

Or

(Level 8-2, 20 points)

{ } The work requires some physical exertion such as:

- long periods of standing;
- walking over rough, uneven, or rocky surfaces;
- recurring bending, crouching, stooping, stretching, reaching, or similar activity; or
- recurring lifting of moderately heavy items weighing less than 23 kilograms (under 50 pounds) such as lifting and carrying stream gauging weights, data collection and monitoring devices, or sample trays.

Or

(Level 8-3, 50 points)

{ } The work regularly requires considerable dexterity, agility, and strenuous physical exertion such as that needed to:

- climb, or work from, tall ladders or scaffolding;
- work in areas where footing is treacherous such as on slippery river banks, in steep or rocky terrain, and in fast-moving water;
- lift heavy objects weighing 23 kilograms (over 50 pounds) or more;
- crouch or crawl in constricted areas; and
- defend oneself or others against physical attack.

FACTOR 9 - WORK ENVIRONMENT

The work is performed outdoors, and involves moderate or sometimes extreme exposure to the discomforts of rain, cold/hot weather, and rapidly running or icy streams rivers. Special safety precautions are required in many cases, and the employee typically wears life jackets, special safety boots, waders, and reflective rain gear.

GS-1300T, JFS for Technical Work in the Physical Sciences Group 08/02

Rev 8/2004