

1316,Hydrologic Technician (Field Assistant),GG-06

Based on PD Tracking Number 0002011

PD Tracking Number 0005162

#### Major Duties

GG-1316-06 (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 a variety of hydrologic recording and measuring instruments.
- Knowledge of procedures and techniques utilized in a chemical laboratory for measuring the physical and chemical parameters of water.

##### FACTOR 2 - SUPERVISORY CONTROLS

Works under the general supervision of a hydrologist, chemist, or technician. Assignments involving prescribed or standard methods are given in terms of objectives to be achieved, with general instruction as to methods. Work is completed independently, but unusual problems are referred to the supervisor for guidance. Completed work is reviewed for technical adequacy.

##### FACTOR 3 - GUIDELINES

Guidelines include manuals on techniques of data collection or laboratory analysis, procedural directives, oral instructions, and previously established methods of operating, servicing, installing, and setting-up equipment and instruments. These guidelines are detailed and usually are directly applicable to the assigned work. The employee uses judgment in locating and selecting the appropriate guidelines or procedures for assignments. Unusual technical problems for which guidelines are available are handled independently. Others are referred to the supervisor.

##### FACTOR 4 - COMPLEXITY

Assignments normally consist of data collection or laboratory analysis duties, which involve standard techniques and procedures. The work requires consideration of varied hydrologic factors and measurements site conditions while assessing the reliability of a measurement or laboratory analysis.

#### FACTOR 5 - SCOPE AND EFFECT

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

#### 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, such as landowners, in conducting day-to-day field activities.

#### FACTOR 7 - PURPOSE OF CONTACTS

Contacts are chiefly to obtain advice or direction, and clarify or exchange information. Contacts with landowners are to obtain permission for access to property.

#### 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.

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