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## Hydrologist 07

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### GS-1315-07

NOTE: THE SENTENCES IN PART I DESCRIBING THE PURPOSE OF THE POSITION AND PARTS II AND III IN THEIR ENTIRETY ARE PERMANENT PARTS OF THE LIBRARY AND MAY NOT BE CHANGED OR EDITED IN ANY WAY.

#### I. INTRODUCTION

Continues to receive on-the-job training, guidance, and instruction in accordance with the National Weather Service (NWS) Hydrologic Intern Training Program. Applies knowledge of professional hydrologic/hydrometeorologic theories, methods, and techniques to hydrologic forecasting, interpretive studies, and/or support for related projects and programs.

#### II. MAJOR DUTIES AND RESPONSIBILITIES

Performs assigned tasks designed to familiarize the incumbent with operations of the NWS Hydrologic Services Program and to build on previously-acquired knowledge and experience. Receives on-the-job training in River Forecast Center (RFC) operations, agency policies and regulations, hydrometeorological data collection, communications, and/or computer procedures. Continues education and professional development in hydrology, meteorology, and hydrometeorology through NWS training, university course work, and participation in professional societies. Performs one of the following:

1. Prepares non-complex procedures used in river forecasting, following accepted and standard methods; participates in the preparation of river forecast guidance for non-complex river basins, including during some high water or minor flooding situations, subject to review and approval by journeyman hydrologic forecasters; assists in basic hydrometeorological analysis and support functions such as assimilation of radar-based rainfall and quantitative precipitation forecasts; and/or executes assigned functional RFC responsibilities such as data network analysis or maintenance of rating tables.
2. Performs Hydrologic Services Program support activities at NWS Headquarters such as development of database management procedures, maintenance and improvement of hydrometeorological databases, systems support, network analysis, computerized map/graphics production, and computer applications programming.

#### III. FACTOR LEVELS

Factor 1 - Knowledge Required FL 1-6, 950 pts.

Knowledge of principles, theories, modeling techniques, and practices of professional hydrology, sufficient to adapt previous findings and theories to the conduct of individual projects or portions of larger ones. A basic knowledge of meteorologic science is desirable. Ability to properly use standard principles, methods, and techniques of operational hydrology in specific situations, adjust and correlate hydrometeorologic data, recognize discrepancies and deviations in results, schedule work sequences, and prepare summary and descriptive material.

Factor 2 - Supervisory Controls FL 2-2, 125 pts.

The supervisor or senior staff member assigns individual projects with clear instructions as to the analyses and results required, and provides instructions on methods for new or more difficult assignments. Employee independently completes recurring assignments, but refers problems not covered by instructions to supervisors

or senior staff members. Work is reviewed for adherence to instructions and standard procedures. New or more difficult assignments are reviewed in-progress.

Factor 3 - Guidelines FL 3-2, 125 pts.

In the RFC, standard operating procedures exist in the station duty manual. At NWS headquarters, standard operating procedures are found in the NWS operations manual and in approved policies and plans. For each project, employee exercises judgement in selecting appropriate methods and procedures to complete projects. Employee refers situations where the guides do not apply to supervisor to obtain a recommended action.

Factor 4 - Complexity FL 4-3, 150 pts.

Work involves assimilating, adjusting, and correlating hydro-meteorological data, contributing to systems designs, recognizing discrepancies and deviations in results, scheduling work sequences, and preparing summary and descriptive material. At RFCs, the incumbent develops procedures for a unique, geographically diverse group of river basins in the RFC area and furnishes routine information to the general public, supported offices, and user groups.

Factor 5 - Scope and Effect FL 5-2, 75 pts.

Work entails studies and tasks limited in scope, and supportive of broader assignments. Work results affect accuracy and reliability of the services or systems support provided by the office.

Factor 6 - Personal Contacts FL 6-2, 25 pts.

Personal contacts are with co-workers and supervisor. At RFCs, contacts may include the general public.

Factor 7 - Purpose of Contacts FL 7-1, 20 pts.

Contacts are to receive advice and assistance and to report progress and results.

Factor 8 - Physical Demands FL 8-1, 5 pts.

Work is primarily sedentary, but may involve rotating shifts.

Factor 9 - Work Environment FL 9-1, 5 pts.

Work is performed primarily in an office setting.

TOTAL = 1,480 pts.

This position is non-exempt from coverage under the Fair Labor Standards Act.

#### **IV. UNIQUE POSITION REQUIREMENTS**

(Last updated: April 19, 1995)

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