



Agency Job Opportunity Announcement

Job Title: Civil Engineer (Hydrologic)

Department: Department of the Army

Agency: U.S. Army Corps of Engineers

Job Announcement Number: SWGJ157087431403933

SALARY RANGE: \$55,116.00 to \$77,605.00 / Per Year

OPEN PERIOD: Wednesday, June 3, 2015 to Wednesday, June 17, 2015

SERIES & GRADE: GS-0810-09/11

POSITION INFORMATION: Full Time - Permanent

PROMOTION POTENTIAL:

11

DUTY LOCATIONS: 1 vacancy in the following location:
Pittsburgh, PA [View Map](#)

WHO MAY APPLY: Status Candidates (Merit Promotion and VEOA Eligibles)

SECURITY CLEARANCE: Not Applicable

SUPERVISORY STATUS: No

JOB SUMMARY:

Civilian employees serve a vital role in supporting the Army mission. They provide the skills that are not readily available in the military, but crucial to support military operations. The Army integrates the talents and skills of its military and civilian members to form a Total Army.

About the Position:

Serves as a Hydraulic Engineer. Coordinates hydraulic design for projects of principal portions of major hydraulic structures; participates in the design of various elements of local protection projects. Conducts studies on dam safety; preparing and/or reviewing the hydraulic portions of inspection reports on non-Federal dams and impoundments for the National Dam Safety Act.

If you do not meet one of the eligibility requirements under "Who May Apply", please apply against announcement SWGJ157087431417302D which is open to all U.S. citizens.

Who May Apply:

Only applicants who meet one of the employment authority categories below are eligible to apply for this job. You will be asked to identify which category or categories you meet, and to provide documents which prove you meet the category or categories you selected. See Proof of Eligibility for an extensive list of document requirements for all employment authorities.

- [Current Civilian Employee with the Department of the Army](#)
- [Current Permanent Department of Defense \(DOD\) - Civilian Employee \(non-Army\)](#)
- [Current Permanent Federal Civilian Employee \(non-DOD\)](#)
- Former Federal Employee, eligible for [reinstatement](#)
- Eligible due to [Interagency Career Transition Program \(ICTAP\)](#)
- Eligible under [Veterans' Employment Opportunity Act \(VEOA\)](#)
- Eligible for [military spouse preference under Executive Order 13473](#)
- [Priority Placement Program, Program S \(Military Spouse\) registrants](#) referred through the Automated Stopper and Referral System (ASARS) for this position
- Eligible for [family member appointment under Executive Order 12721](#)
- Eligible for [NAF/AAFES Interchange Agreement](#)
- Eligible due to an [Interchange Agreement](#)

TRAVEL REQUIRED

- 25% or Greater
- Up to 25% Business Duty Travel (TDY)

RELOCATION AUTHORIZED

- Yes

- Permanent Change of Station maybe authorized. Relocation/Incentive maybe authorized.

KEY REQUIREMENTS

- Subject to background/suitability investigation
 - Management may select at any of the grade levels announced.
 - Must obtain and maintain a valid State's Driver's License
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DUTIES:

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Major duties:

- Coordinates hydraulic design for projects of principal portions of major hydraulic structures.
- Participates in the design of various elements of local protection projects which include the development of system layout.
- Determines riprap requirements for flood control channels.
- Serves as a liaison with municipal engineers, architect-engineers and representatives of other agencies to secure additional data required to accomplish assignments.
- Conducts studies on dam safety.
- Coordinate with other design engineers conducts studies to determine the number of construction states and most feasible means-of diverting stream flow during construction of river control projects.
- Utilizes computers and related equipment in all feasible applications for solution of hydraulic problems.
- Reviews permit applications from the hydraulic standpoint for proposed alterations or relocations of channels, bridges, and other drainage structures to assure that no adverse effects will occur.
- Participates on Quality Control Review Teams conducting thorough reviews of hydraulic computations and features of plan, specifications, cost estimates, design memoranda, reports, whether prepared i-house or by others, for all appropriate projects.

Physical Effort: Work requires standing, stooping, bending, kneeling, climbing, and working in potentially tiring and uncomfortable positions. Occasionally lifts, carries, or sets up tools, equipment, and parts weighing up to 50 pounds. Occasionally lifts items exceeding 50 pounds. Must have the ability to traverse rough terrain, climb ladders, and enter confined spaces.

QUALIFICATIONS REQUIRED:

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Applicants must qualify for the basic education requirement; specialized experience is an addition to the education requirement. You must submit your college transcripts with your application packet (unofficial transcripts are accepted).

- Bachelor's degree or above in professional engineering from a college or university accredited by the Accreditation Board for Engineering and Technology (ABET). NOTE: THIS DOES NOT INCLUDE ENGINEERING TECHNOLOGY. (You must provide transcripts with your application package).
- Bachelor's degree or above in professional engineering. The curriculum included differential and integral calculus and courses (more advanced than first- year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statistics, dynamics; (b) strength of materials (stress/strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits +ADs (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science of physics, such as optics, heat transfer, soil mechanics, or electronics. (You must provide transcripts with you application package).
- Currently registered as a professional engineer by a state in the United States, the District of Columbia, Guam, or Puerto Rico. I also have college-level education, training, and/or technical expertise that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering. (You must provide transcripts with your application package).
- Successfully passed the Engineer in Training examination, or the written test required for professional registration, administered by the Boards of Engineering Examiners in the various States, the District of Columbia, Guam, and Puerto Rico. I have also completed all the requirements for either (a) a bachelor's degree in engineering technology (BET) from an accredited college or university that included 60 semester hours of courses in the physical, mathematical, and engineering sciences, or (b) a BET from a program accredited by the ABET+AD's and (You must provide transcripts with your application package).
- Combination of at least 4 years of college-level education, training, and/or technical expertise that included successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences, including the courses listed in

paragraph B above. The courses are fully acceptable toward meeting the requirements of a professional engineering curriculum. (You must provide transcripts with your application package).

- Bachelor's degree or higher-level degree in engineering technology or in an appropriate professional field (for example, physics, chemistry, architecture, computer science, mathematics, hydrology, or geology) and at least one (1) full year of professional engineering experience that was acquired under a professional training program or under professional engineering supervision and guidance. (You must provide transcripts with your application package.)

Experience required:

Experience refers to paid and unpaid experience, including volunteer work done through National Service programs (e.g., Peace Corps, AmeriCorps) and other organizations (e.g., professional; philanthropic; religious; spiritual; community; student; social). You will receive credit for all qualifying experience, including volunteer experience.

Specialized experience:

To Qualify at the GS-09 level applicants must possess one year of specialized experience equivalent to the next lower grade/level (GS-07). Specialized experience for the GS-09 is defined as: Professional knowledge of, and skill in applying, the theories, concepts, principles, computer systems applications, and methodology of the science of civil engineering relevant to civil works projects and construction activities sufficient for: preparation of hydraulic design portions of Survey Reports, Design Memoranda, and both preliminary and final detailed design for navigation, flood control, and multi-purpose dams; flood-control channels and local protection projects.

To Qualify at the GS-11 level applicants must possess one year of specialized experience equivalent to the next lower grade/level (GS-09). Specialized experience for the GS-11 is defined as: Conducts hydrologic analysis and hydraulic design for projects of principal portions of major hydraulic structures; Takes into consideration previously conducted hydrologic studies, future operational needs, safety, construction feasibility, anticipated maintenance and repair difficulties, economic practicability, adjacent and surrounding topographic conditions. Utilizes computers and related equipment in all feasible applications for solution of hydraulic problems. Reviews permit applications from the hydraulic standpoint for proposed alterations or relocations of channels, bridges, and other drainage structures to assure that no adverse effects will occur. Conducts studies on dam safety. Prepares and/or reviews

the hydraulic portions of inspection reports on Federal and non-Federal dams and impoundments for the National Dam Safety Act.

You will be evaluated on the basis of your level of competency (knowledge, skills, abilities) in the following areas:

- Knowledge of Civil Engineering (Hydrologic)
- Knowledge of Civil Engineering Principles and Practices
- Problem Solving
- Written and Oral Communication

Time in Grade Requirement: Applicants who have held a General Schedule (GS) position within the last 52 weeks must have 52 weeks of Federal service at the **next lower** grade (or equivalent).

GS-09: Applicants must have 1 year time-in-grade at the GS-07 level

GS-11: Applicants must have 1 year time-in-grade at the GS-09 level

Some federal jobs allow you to substitute your education for the required experience in order to qualify. For this job, you may qualify if your education meets the definitions below:

- GS-09: 2 years of progressively higher level graduate education leading to a master's degree or master's or equivalent graduate degree
- GS-11: 3 years of progressively higher level graduate education leading to a Ph.D. degree or Ph.D. or equivalent doctoral degree

Only degrees from an accredited college or university recognized by the Department of Education are acceptable to meet the positive education requirement and/or substitute education for experience. For additional information, please go to the Office of Personnel Management (OPM) and U.S. Department of Education websites at -- <http://www.opm.gov/qualifications> and <http://www.ed.gov/admins/finaid/accred/index.html>.

Foreign education must be evaluated for U.S. equivalency in order to be considered for this position. Please include this information in your resume.

Other Requirements: Click [here](#) for expanded definitions.

- Male applicants born after December 31, 1959 must complete a Pre-Employment Certification Statement for Selective Service Registration.
- You will be required to provide proof of U.S. Citizenship.
- One year trial/probationary period may be required.
- Direct Deposit of Pay is Required.
- Must obtain and maintain a valid State's Driver's License
- If selected, official college or university transcripts must be submitted. However, unofficial transcripts must be submitted at the time of application.
- "Permanent Change of Station (PCS) allowances may be authorized, subject to the provisions of the Joint Travel Regulations and an agency determination that a PCS move is in the Government Interest."

HOW YOU WILL BE EVALUATED:

Your [application package](#) (resume, supporting documents, and responses to the questionnaire) will be used to determine your eligibility, qualifications, and quality ranking for this position. Please follow all instructions carefully. Errors or omissions may affect your rating or consideration for employment.

Interagency Career Transition Assistance Program (ICTAP). If you are a Federal employee in the competitive service and your agency has notified you in writing that you are a displaced employee eligible for ICTAP consideration, you may receive selection priority. See [Interagency Career Transition Assistance Program \(ICTAP\)](#) for more information. Additional information about the program is on [OPM's Career Transition Resources website](#).

BENEFITS:

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The Department of Defense offers an excellent benefits program. In addition to your take-home pay, your comprehensive compensation/benefits package will include most of the benefits described in [the USAJOBS Resource Center](#).

OTHER INFORMATION:

- Selection is subject to restrictions resulting from Department of Defense referral system for displaced employees.
 - If you have retired from federal service and you are interested in employment as a reemployed annuitant, see the information in the [Reemployed Annuitant](#) information sheet.
 - Multiple positions may be filled from this announcement.
 - Non competitive promotion potential to target grade. This recruitment provides promotion opportunity to the target grade of the position without further competition when selectee is eligible and recommended by management.
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HOW TO APPLY:

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To apply for this position, you must complete the online questionnaire and submit the documentation specified in the **Required Documents** section below.

The complete application package must be submitted by 11:59 PM (EST) on Wednesday, June 17, 2015 to receive consideration.

- To begin, click Apply Online to create a USAJOBS account or log in to your existing account. Follow the prompts to select your USAJOBS resume and/or other supporting documents and complete the occupational questionnaire.
- Click the Submit My Answers button to submit your application package.
- It is your responsibility to ensure your responses and appropriate documentation is submitted prior to the closing date.
- To verify your application is complete, log into [your USAJOBS account](#), select the Application Status link and then select the more information link for this position. The Details page will display the status of your application, the documentation received and processed, and any correspondence the agency has sent related to this application. Your uploaded documents may take several hours to clear the virus scan process.
- To return to an incomplete application, log into [your USAJOBS account](#) and click Update Application in the vacancy announcement. **You must re-select your resume and/or other documents from your USAJOBS account or your application will be incomplete.**
- It is your responsibility to verify that information entered, uploaded, or faxed (i.e., resume) is complete, accurate, and submitted by the closing date. Uploaded documents may take up to one hour to clear the virus scan. Faxed documents must be completely

transmitted by 11:59p.m. Eastern Standard Time on the closing date of the announcement.

The Department of the Army provides reasonable accommodations to applicants with disabilities. If you need a reasonable accommodation for any part of the application and hiring process, please notify the servicing civilian personnel unit. Your requests for reasonable accommodation will be addressed on a case-by-case basis.

REQUIRED DOCUMENTS:

The documents you are required to submit vary based on the authority you are using to apply (i.e., applying as a veteran, applying as a current permanent Federal employee, applying as a reinstatement, etc). Please review the following links to see which documents you need to provide to prove your eligibility to apply: [Applicant Merit Checklist](#) and [Proof of Eligibility](#).

As described above, your complete application includes your resume, your responses to the online questionnaire, and documents which prove your eligibility to apply. **If you fail to provide these documents, you will be marked as having an incomplete application package and you will not be considered any further.**

Your resume:

- Your resume may be submitted in any format.
- If you submit more than one copy of your resume, only the most recent version will be reviewed. The latest timestamp will be used to determine which version of your resume is "most recent." It is your responsibility to check the status and timestamp of all documents you submit as part of your application.
- If your resume includes a photograph or other inappropriate material or content, it will not be used to make eligibility and qualification determinations and you may not be considered for this vacancy.
- For qualifications determinations your resume must contain hours worked per week and the dates of employment (i.e., HRS per week and month/year to month/year or month/year to present). If your resume does not contain this information, your

application will be marked as incomplete and you will not receive consideration for this position.

If you are relying on your education to meet qualification requirements: You MUST submit a copy of your transcript if you want to substitute your education for experience. If you claim qualifications based on education, and do not submit a transcript, your education will not be used in making a qualification determination and you may be found "not qualified." See: [Transcripts and Licenses](#)

Proof of Eligibility to Apply: Your application must include the documents which **prove you are eligible to apply** for the vacancy. The "Proof of Eligibility" document describes authorities commonly used in merit promotion recruitment and what document(s) are required to prove you meet the requirements of the authority. You must meet the requirements of at least one of the authorities listed in the **Who May Apply** section above to receive further consideration.

If you are unable to apply online or unable to upload your supporting documents follow the directions located at: [Faxing Applications and Documents](#) The Vacancy ID is 1403933. You will need the questionnaire, [View Occupational Questionnaire](#), to complete your faxed application.

NOTE: Documents submitted as part of the application package, to include supplemental documents, may be shared beyond the Human Resources Office. Some supplemental documents such as military orders and marriage certificates may contain personal information for someone other than you. You may sanitize these documents to remove another person's personal information before you submit your application. You may be asked to provide an un-sanitized version of the documents if you are selected to confirm your eligibility.

AGENCY CONTACT INFO:

Tammy D. Briggs

Phone: (502)315-6585

Email: TAMMY.D.BRIGGS@USACE.ARMY.MIL

Agency Information:

DA SWR USACE LRD

PO Box 59

Louisville, KY
40201

WHAT TO EXPECT NEXT:

If you provided an email address, you will receive an email message acknowledging receipt of your application. Your application package will be used to determine your eligibility, qualifications, and quality ranking for this position. If you are determined to be ineligible or not qualified, your application will receive no further consideration.

The documents you submit must support your responses to the online questionnaire. If your application contradicts or does not support your questionnaire responses, you will receive a rating of "not qualified" or "incomplete application" and you will not receive further consideration for this job.