



LOCAL 777

INTERNATIONAL FEDERATION OF PROFESSIONAL & TECHNICAL ENGINEERS, AFL-CIO
PO Box 190, CHICAGO, ILLINOIS • WWW.IFPTE777.ORG • 312-450-0838

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April 20, 2026

Chicago, Illinois Local Wage Survey Committee
c/o Veterans Affairs Administration
5000 South 5th Avenue
Hines, IL 60141

Dear Committee Members:

Please accept these comments on behalf of Local 777, International Federation of Professional and Technical Engineers -- a labor union representing approximately 60 Federal Wage System employees at the U.S. Army Corps of Engineers. Of these employees, approximately 5 to 10 are wage grade employees paid under the Chicago, Illinois Wage Survey. Approximately 35 are paid under a special wage schedule for USACE Lock and Dam personnel; and approximately 5 to 10 are paid under a special wage schedule for USACE Floating Plant employees. Both of these special schedules are defined as having wages equivalent to the Chicago, Illinois Wage Area¹.

The USACE workers who we represent are Maintenance Workers, Maintenance Mechanics, Lock and Dam Operators, Engineering Equipment Operators, Crane Operators, Oilers, and Welders. They range from grade 7 to grade 11.

Our Lock and Dam Mechanics and Engineering Equipment Operators are generally well-represented by the industries and jobs listed on the Notice of Hearing. However, we wish to raise several points for your consideration, which we think will best capture the scope of work performed by the employees we represent.

First, we advocate for **inclusion of Survey Job No. 185 -- Boom Crane Operator (Precision)**. Our crane operators generally operate in marine environments where they are on vessels/barges and maintain harbor structures or locks and dams that require precision work. These lifts include heavy stone, flammable liquids, deck equipment, pile drivers, and other precise equipment near the maximum operating weight. See Position Description RE304535, Enclosure 1; Position Description RE562408, Enclosure 2; and Position Description RE3471Z, Enclosure 3.

¹ We understand that these workers are not strictly within the wage area covered by this survey, however, since there is no other way to ensure that their wages are set in accordance with Congressional intent as set forth in 5 U.S.C. § 5343, we bring our arguments to this Committee. We believe it is appropriate to consider their work in determining prevailing wages for the Chicago, Illinois wage area, since that determines how they are paid.

Second, we advocate for **inclusion of Survey Job No. 130 -- Heavy Mobile Equipment Operator**. USACE equipment operators use a wide range of heavy equipment in confined disposal facilities flood control dams and levees, road maintenance, and barge loading. It is the primary function of their positions. See Position Description RE522141, Enclosure 4.

Third, we advocate for **inclusion of Survey Job No. 178 – Equipment Mechanic** and/or **Survey Job No. 189 – Maintenance Mechanic**. Our Oiler-Deckhand has duties perhaps best aligned with the Marine Machinist job; but we understand that position may only be surveyed for shipbuilding industries, which are unlikely to have establishments in the Chicago wage area. In that case, the next best fit appears to be Job 178 or Job 189. See Position Description RE3479Z, Enclosure 5.

Our Lock and Dam Operators and Small Craft Operators similarly do not fit well within any of the Appendix E mandatory or optional survey jobs; so, we advocate that Job No. 189 – Maintenance Mechanic is probably the closest fit for both of these positions. See Position Description RE624220, Enclosure 6; and Position Description REIMTS0010, Exhibit 7.

Our Maintenance Mechanics are a direct fit for the Survey Job No. 189 – Maintenance Mechanic. They have similarly diverse journeyman-level duties on a flood control project; maintaining both mobile and stationary equipment and facilities. See Position Description RE01851, Exhibit 8.

Fourth, we advocate for **inclusion of the Other Heavy and Civil Engineering Construction industry (NAICS Code 237990)**. USACE wage grade employees in this wage area are all focused on this work, including maintaining canals, breakwaters, revetments, embankments, docks, locks and dams, and other similar marine/riverine public works on the Great Lakes and inland waterways. Several critical private-sector employers in our line of work include J.F. Brennan Company, Thatcher Foundations, Inc., Lakes & Rivers Contracting, Inc., Michels Construction, Inc., and Roen Salvage Company.

While the Welder-Deckhand that we represent is occupationally well served by the mandatory survey job of Welder (grade 10), inclusion of the Other Heavy and Civil Engineering industry would ensure that the wages are truly as close to prevailing as possible. Similarly, our Maintenance Workers and Motor Vehicle Operators are likely well represented by the mandatory survey jobs, but inclusion of the Other Heavy and Civil Engineering industry will include more directly-comparable establishments.

We appreciate the opportunity to provide this input to the Committee. Should you have any questions, or should we be able to assist in any way (including identifying survey staff), I can be reached by email at president@ifpte777.org or by phone at 312-450-0838.

Sincerely,

Colin C. Smalley
President



ARMY POSITION DESCRIPTION

PD#: RE304535

Sequence#: 4630543

Replaces PD#:

CRANE OPERATOR

WG-5725-11

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0E21

Command: CE

US ARMY ENGINEER DISTRICT, CHICAGO

OPERATIONS DIVISION

LAKE MICHIGAN PROJECT OFFICE

CONFINED DISPOSAL FACILITIES SECTION

EQUIPMENT OPERATIONS TEAM

CHICAGO, IL 60606 H6R0E21

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS CRANE OPER, 5725, JUN 71

Citation 2: OPM JGS RIGGER, 5210, JAN 72

Citation 3: OPM JGS SMALL CRAFT OPER, 5786, SEP 86

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: MICHAEL J. FITTANTO

Date Certified: 07/13/2021

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: SHAMEL ABOU-EL-SEOUD

Date Classified: 02/06/2009

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the title/series/grade are properly determined based on the standard. The FLSA is correct and when it is*

determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: IVELISSE ALBARRACIN

Date Reviewed: 07/14/2021

POSITION INFORMATION:

Program & Project Mgmt Coding Level:

FLSA: NON-EXEMPT

FLSA Worksheet: NON EXEMPT

FLSA Appeal: NO

BUS Code: 3693

DCIPS/CES PD: NO

- **Mission Category:**
- **Work Category:**
- **Work Level:**

Functional Code: 00

Interdisciplinary: NO

Supervisor Status: Non-Supervisory

PD Status: VERIFIED

DCA Override: NO

CONDITION OF EMPLOYMENT:

Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE)

Financial Mgmt Cert:

Position Designation: Tier 1 – Non-Sensitive, Low Risk

Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk

Sec. Clearance Level: Not Required

Sec. Access (Child Care): Not Required

PRP/SCI: Not Required

Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key]

Requires Access to Firearms: NO

Influenza Vaccination: NO

Financial Disclosure: N/A

Enterprise Position:

SCW Code:

Acquisition Position:

- **CAP:**
- **Career Category:**
- **Career Level:**

Cyber Workforce:

- **Primary Work Role/Prof Lvl:** /
- **Additional Work Role 1/Prof Lvl 1:** /
- **Additional Work Role 2/Prof Lvl 2:** /

SPeD Certification(s):

POSITION ASSIGNMENT:

Competitive Area: H6

Competitive Level: 00A5

Career Program: 18

Career Ladder PD: NO

Target Grade/FPL: 11

Career Pos 1:

Career Pos 2:

Career Pos 3:

Career Pos 4:

Career Pos 5:

Career Pos 6:

POSITION DUTIES:

CL: 0005

MAJOR DUTIES

1. CRANE OPERATOR - Operates a 140-ton capacity with 100-foot lattice boom crane at government stone dock and 80-ton capacity with 100-foot lattice boom crawler cranes at two separate confined disposal facilities. Uses these lattice boom cranes to load/unload equipment and load large and small stone and sand material aboard barges or unload dredge material and debris from barges and load into trucks, skip-pans or into the confined disposal facility itself. Makes lifting capacity

judgments rapidly as the crane boom position changes to safely lift/place stones weighing up to 14 tons at distances that frequently come close to the crane's maximum lifting capacity. Stays alert for 10-hour workdays operating the crane to avoid other obstructions on a congested dock with large front-end loaders constantly moving stones and on the barges with vessel obstructions and changing vessel stability considerations. The tug mast is the highest obstruction since it is tied alongside the scow being loaded or unloaded. The operator must swing over, above or around the mast while loading the tug with barrels of oil (Flammable liquids), welders and supplies and setting these items into the hull with precise movements. Must insure not to hit the tug while swinging to minimize the chance of contacting the tug while still insuring the clearance between the crane and stone pile / crane and seawall. Personnel are also obstructions as deck hands work to loosen or tighten lines as the operator adjusts to avoid swinging loads over them while loading/unloading scows. Makes rapid maneuvers to prevent contact with loader operator when swinging 90 degrees. Accuracy is critical as the operator stacks the 18-ton stones and must ensure they are balanced to prevent shifting or falling onto equipment or personnel. The operator loads/ unloads the scows in the blind and relies on "feel" to determine the weight of the load and a signal person to indicate where the load is located.

60%

2. RIGGING WORKER - Installs and maintains rigging on Manitowoc 3900W Series 2 crane at the government dock. This task performs maintenance of the crane & assists in rigging for the mission of navigation structural maintenance. The crane is used to load 3 to 14-ton stones onto barges loading at the government stone dock for transport to navigation structure work sites within the various harbors of the District. Worker only use anti-rotation type of rope and only move stone with two-part lines. Worker also must use knowledge of trade practices to select and install weight handling gear used in lifting, moving, and positioning a variety of large and heavy objects by Corps owned or rented cranes at the government stone dock as well as occasionally at Harbor Lock, the lock bulkhead storage facility, Confined Disposal Facility, or the District Maintenance and Storage facility. Worker maintains and repairs wire ropes and cables on buckets and stone grapples; replaces wire rope and cable before the bucket and stone grapple safe working loads are effectively reduced. Inspects and maintains the Lock bulkhead lifting beam cables, shackles, chain hooks and 40-ton fabric slings for lifting bulkhead segments (stoplogs).

20%

3. SMALL CRAFT OPERATOR - In support of the above duties operates District small craft (motorboats 7 to 8 meters in length propelled by 125 to 150 horsepower outboard motors) to ferry personnel and supplies to offshore facilities to perform work. Operates on both protected and unprotected waters of Lake Michigan from the Indiana/Michigan border to the Illinois/Wisconsin border during all seasons except winter. Operator is responsible for safety of vessel, passengers, and cargo, which may require postponing, altering or canceling trips due to weather or lake conditions.

20%

Performs other duties as assigned.

SKILLS AND KNOWLEDGE:

CRANE OPERATION - Boom crane operator must compensate for changes in the lifting capacity of the crane caused by variations in the angle of the boom, length of the boom, position of the revolving frame and the slope of the terrain. Before making each lift the operator must determine the weight of the load to be lifted; and, if unknown, must estimate the weight based on a general knowledge of weights of various materials. The maneuverability of the boom crane is restricted by stone piled around the crane. The tug also restricts the operator's maneuverability as it sits alongside the scows being loaded or unloaded within the cranes swing radius. Must be skilled in the use of clutches, levers, brakes, and accelerator to raise and lower the boom, to position the revolving frame, to raise and lower the hoist line with the load, and to move the crawler base. Because boom cranes have a large number of controls, considerable eye, hand, and foot coordination is required to produce the exact movements while watching the load; watching its clearance with other objects and setting stones with precision onto barges. Skill in operating cranes at all boom lengths, angles, and positions. Skill in making rapid lifting capacity judgments during continual position changes and skill in operating near or at the crane's lifting capacity and within extremely congested areas. Skill in producing exact movements while precision setting loads of up

to 14 tons onto a barge. Skill to simultaneously operate the crane's controls, making difficult clearance judgments while watching the moving load and boom, and compensating for variations in the crane's lifting capacity during position changes. This demands intense concentration, unusual alertness, and an exceptional degree of visual and physical coordination.

RIGGING WORK - Worker must use knowledge of breaking strains and safe working loads of wire rope, slings, and blocks to select and install the appropriate type and size of gear needed to support the crane lifts. Worker uses this knowledge in determining the exact placement of the gear to assure that the load is safe, secure, and balanced. Worker must use standard hand signals to guide crane operators in hoisting, moving, and lowering the load into the desired location. Worker must attach load tag lines whenever necessary to control the drift and swing of the load during movement. Worker must use skill in cutting and splicing rope and wire cable and in installing various fittings. Worker must apply knowledge of wire rope and sling deterioration while inspecting wire rope and slings prior to use. Takes corroded, frayed, cut, or worn ropes and slings out of service and obtains replacements before the lifts are attempted. Worker must be skilled in use of a variety of tools and equipment such as marlin spikes, fids, serving mallets and rigger's screw.

SMALL CRAFT OPERATION - Knowledge of navigation charts, weather, aids to navigation. Inland Navigation Rules including proper navigation lights for all types of commercial and recreational boats and applicable Code of Federal Regulations for the specific harbors, rivers, bridges, and locks within the District area of operation. Skill to fix position of the craft/boat by plotting visual magnetic compass bearings of navigational aids and other charted objects on navigation charts. Skill in maneuvering craft safely while applying the Inland Navigation Rules in congested waterways of International/Great Lakes freighters, commercial tugs/towboats with barges, commercial fishing boats, commercial passenger vessels and large numbers of recreational craft. Operator must quickly identify burdened/privileged vessels in meeting/crossing/overtaking situations both in daytime and at night and execute maneuvers of course or speed changes in accordance with Navigation Rules. Uses safety equipment including rescue equipment for retrieving persons from the water. Ability to operate electronic equipment such as VHF radio and fathometer.

RESPONSIBILITIES:

Works under the supervision of Chief, Operations Technical Support Section with day-to-day work assignment and direction from a higher graded Engineer in the section. Makes independent judgments and decisions within the framework of oral or written instructions, and chooses between accepted methods, techniques, and procedures. Independently decides whenever changes in boom length, rigging, and attachments are made to accomplish the work. Determines positioning of the crane that must work close to the edge of the loading dock because of limited storage space on the stone dock. Numerous obstructions are present on the dock, such as stone piles and the maneuvering large front-end loader and equipment/superstructure of the barges. Determines the correct position the crane, boom angle and the rock grapple aspect for lifting each unique shaped stone. To handle the stones of up to 18 tons, frequently extreme boom angles must be used, and the crane operated near the crane's lifting capacity. In addition, the stones must be carefully placed on the barge in a stable spot, thinking of proper vessel stability always. Considers all the factors, such as the safest routing of the load, clearances along the route, and any position changes needed to complete the move. Determines when different rock grapples, tongs, buckets or skip pans will be used for loading. The operator must make rapid judgement while moving the levers to prevent a collision with loader/operator. Great skill is needed to prevent an accident. Determines rigging work sequences to be followed and the tools, materials, and equipment to be used. Checks work of all assigned workers such as rigging workers, mechanics or deckhands who assist with the replacement of ropes, cables, and equipment on the crane. Ensures all safety rules are followed on the Stone Dock and during rigging operation advises crane operator of possible hazardous conditions observed from the ground level and/or assists other rigging workers to follow safe rigging methods and procedures. Operates cranes, equipment, and small craft in a safe manner according to safety rules and regulations and use the equipment properly so that it is not damaged. Incumbent must remain constantly alert and operate these items carefully, especially when close to other persons, buildings, equipment, or other vessels to prevent damage or injury to others. The supervisor spot checks work to see that completed work meets requirements. Good housekeeping of these items is required to ensure they are clean and serviced and employee must inspect and report of any defects or damage to the supervisor. For small craft operation, the employee is responsible for the cargo and personnel

aboard ensuring safe transport during wind and sea conditions which includes proper positioning, speed, course, and safe operations.

PHYSICAL EFFORT:

Continually exerts heavy effort in pushing, pulling, and depressing the various levers, clutches, and brakes. Subject to strain caused by vibrations of the crane, and from the jerking and jolting motions moving heavy loads especially when releasing/placing the stones up to 18 tons or when initial attempts to grab these uniquely shaped stones fail and the rock grapple slips off. The operator must make continual control changes to maneuver the crane and load stones onto barges. The exacting work demands continual physical effort on the controls to pick up extremely heavy unique shaped stones that could, if dropped, pierce and permanently damage the deck of the barges being loaded. Moderate to heavy physical effort is required when lifting and moving moderately heavy objects (up to 50 lbs.) such as cables, chains, jacks, lifting hooks, cables and rigging gear. Must continually reach, bend, stoop, push, and pull while attaching rigging to the object to be moved. Works from ladders, scaffolds and on platforms in cramped and hard to reach places. Stands, stoops, bends, kneels, and climbs, and works in awkward, tiring, and uncomfortable positions. Reaching, bending, turning, or moving hands, arms, feet and legs to operate hand and foot controls on equipment and vehicles and constant coordination arms, legs, and body movements to safely work on wet and moving decks, to operate equipment and attachments to compensate for terrain features, and to maintain balance and position at the controls.

WORKING CONDITIONS:

Works outdoors in a partially enclosed cab in all types of weather. Exposed to unpleasant noise, heat, and fumes produced by the engine. Exposed to the possibility of injury caused by swinging loads, the boom contacting an obstruction and collapsing down on operator or from the crane overturning. The possibility of overturning is greater because the work frequently involves lifting near the crane's lifting capacity. There is also the possibility of one of the heavy stones suddenly slipping from the rock grapple and bouncing into contact with the crane. Worker must be able to work in direct sunlight in 90-degree Fahrenheit temperatures as there is little shade on Corps of Engineers piers and breakwaters. Work may involve walking and working on wet and slippery surfaces extending out into Lake Michigan and requires the utmost attention to wave action and surroundings as there are no protective railings. Wearing of a life jacket is required whenever working on a vessel and may be exposed to possible falls on deck or falling overboard. Subject to possible cuts and burns while handling wire and fiber ropes. Subject to possible serious injury from falls while climbing and attaching rigging. Frequently exposed to serious injury from swinging loads, breaking slings, and falling objects. Occasionally some work may need to be performed in confined spaces. Worker wearing a safety harness may need to be lowered down by safety winch into the confined space.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption - [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.

- 4. Professional Exemption:**

- a. Professional work (primary duty)
- b. Learned Professional, ([See 5 CFR, 551.208](#)) (Registered Nurses, Dental Hygienists, Physician’s Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
- c. Creative Professional, ([See 5 CFR, 551.209](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
- d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
- 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.
- FLSA Conclusion:**
 - Exempt**
 - Non Exempt**

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 511.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

This position is covered by the civilian drug abuse testing program. Incumbent is required to sign a DA Form 5019-R, Condition of Employment for certain civilian positions identified as critical under the Drug Abuse Testing Program.

Worker must satisfactorily pass training course for confined space entry team. Worker is also required to maintain a current American Red Cross Standard First Aid card and a valid certificate of completion of Adult CPR training course.

This position requires employee to obtain and maintain a National Commission for the Certification of Crane Operators (NCCCO) and Lattice Boom Crawler license/certification(s).

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

7/14/2021 – Duties have been reviewed and updated to solidify the WG-11 level. Changes have no impact to the classification of the position. A new number was not required since these were minor changes. The title, grade, and series of the PD remain. Ivelisse Albarracin, Classification Specialist

I. Organizational Location: U.S. Army Engineer District, Chicago Technical Services Division, Construction-Operations Branch, Operations Technical Support Section

II. References:

- a. OPM JGS Crane Operating, 5725, Jun 71
- b. OPM JGS Rigging, 5210, Jan 72
- c. OPM JGS Small Craft Operating, 5786, Sep 86

III. Background: This is a new position description written to reflect increase in crane operating duties necessitated by the repeated unavailability of crane operators from Detroit District over the last 2 years after Chicago District's operations of a Manitowoc 3900W Series 2 crane for loading stone on the Calumet Stone Dock proved so economically advantageous. It reflects assignment of expanded duties to operate the crane as well as continuing to maintain the crane (rigging worker duties). This position operates the crane to load 3 to 18 ton stones onto barges at the Calumet Stone Dock for transport to navigation structure work sites.

IV. Series and Title Determination: The duties assigned to this job involve a variety of trade practices, requiring the application of more than one trade practice. The highest level of regular and recurring work is performed under reference IIa. The series and title is determined to be Crane Operating, WG-5725.

V. Grade Determination: This job was evaluated against three standards; each is addressed separately below.

WG-5725, Crane Operating – Evaluation of, Skill and knowledge, Responsibilities, Physical effort and Working Conditions to those of reference IIa.

General

Grade 9 boom crane operators operate at various locations outdoors where maneuverability is not a major problem and accuracy is not critical. Worksites may contain some obstacles, but there is considerable room to maneuver over and around these objects. The crane is operated at standard boom angles and with loads well within the lifting capacity. The boom is fitted with usual attachments to load/unload sand, gravel or other loose material at loading docks.

Grade 11 boom crane operators operate at various outdoor operations where maneuverability is restricted and accuracy is critical. Many work areas do not permit positioning the crane near the work to be done. To reach, extreme boom angles must be used, greatly reducing the lifting capacity of the crane and further restricting the maneuverability. They make precise load placements where exact movements must be made to position the load accurately and safely. Many situations involve moving such large, heavy, or awkward loads that the crane operator is near or at its lifting capacity with the operator having to rely on "feel" alone. The boom crane at this level is typically used to load/unload equipment and supplies aboard ships/vessels or move rock close to walls or other ground obstructions.

Skill and knowledge

Grade 9 boom crane operators must compensate for changes in the lifting capacity of the crane caused by variations in the angle of the boom, position of the revolving frame and the slope of the terrain. Before making each lift, grade 9 boom operators must determine the weight of the load to be lifted; and if unknown, they must estimate the weight based on the general knowledge of weights of various materials ... They must be skilled in the use of clutches, levers, brakes, etc. ... Because boom cranes have a large number of controls, considerable eye, hand, and foot coordination is required to produce the desired movements while watching the load and its clearance with other objects. Grade 11 boom crane operators in addition must be skilled in operating cranes at all boom angles and positions. They must be skilled in making rapid lifting capacity judgments during continual position changes. They must be skilled in operating near the crane's lifting capacity and within extremely congested areas. They must be skilled in producing exact movement while precision setting loads

onto or in other objects. Grade 11 operators must be skilled in simultaneously operating the crane's controls, making difficult clearance judgments while watching the moving load and boom. This demands intense concentration, unusual alertness, and an exceptional degree of visual and physical coordination.

The level of skill and knowledge of this job meets the description at the grade 11 level because the operator has to make lifting capacity judgments rapidly and crane/boom position continually to safely lift the stones weighing up to 18 tons at distances that frequently reach the crane's maximum lifting capacity, therefore, the skill and knowledge factor is evaluated at the grade 11 level.

Responsibility

Grade 9 boom crane operators follow oral or written instructions indicating the crane to be operated, location of the work, general nature of the work to be done, and any problems which may be encountered. They report any defects to his supervisor. Grade 9 operators assure that the boom crane is well within its lifting capacity during position changes ... They may recommend changes in boom length, rigging, and attachments to the supervisor if they feel the situation warrants such a change. Their work is spot checked for compliance with the standard operating practices.

Grade 11 boom crane operators have greater responsibility for determining the positioning of the crane because the work is typically done near obstructions. They must consider such factors as the safest routing of the load, clearances along the route, position changes needed to complete the move, and the effect of these changes on the crane's lifting capacity. These determinations are critical at this level due to the greater possibility of exceeding the crane's lifting capacity, injuring personnel, and damaging the load, crane, and obstructions while making position changes.

The level of responsibility of this job meets the description at the grade 11 level because this operator has to position the crane, boom angle and the rock grapple aspect differently for almost every lift while considering the ever present obstructions, therefore, the work responsibility factor is evaluated at the grade 11 level.

Physical effort

Grade 9 boom crane operators exert heavy effort in pushing, pulling, and depressing the various levers, clutches, and brakes. They are subject to strain caused by vibrations of the crane, and from the jerking and jolting motions while lifting and moving loads ...

Grade 11 boom crane operators have to make continual control changes to maneuver the crane and load around obstructions, to stay within the lifting capacity, and to position the load at the desired location. This is more strenuous than the physical effort of grade 9 boom crane operators, who remain in a set position for a longer period of time.

The level of physical effort of this job meets the description at the grade 11 level because the operator is continually changing positions to pick up and carefully release extremely heavy unique shaped stones that could (if released incorrectly) pierce and permanently damage the deck plating of the vessel being loaded, therefore, the physical effort factor is evaluated at the grade 11 level.

Working conditions

Grade 9 boom crane operators work outdoors in a partially enclosed cab in all types of weather. They are exposed to unpleasant noise, heat, and fumes produced by the engine. They are exposed to the possibility of injury caused by swinging loads or from the crane overturning. The working conditions are substantially the same as those of the grade 9 boom crane operators with the exception that the grade 11 boom crane operators are exposed to a greater possibility of injury from overturning because they must frequently work near the crane's lifting capacity.

The level of working conditions of this job meets the description at the grade 11 level for frequently working near the crane's lifting capacity and from possible injury should one of heavy stones slip suddenly from the rock grapple, therefore, the working condition factor is evaluated at the grade 11 level.

WG-5210, Rigging Series – Evaluated at the WG-08 level because all 4 factors (skill & knowledge, responsibility, physical effort and working conditions) meet the grade 8 level as follows:

The level of skill and knowledge of this job (uses knowledge of the breaking strains, safe working loads, and other physical characteristics of basic rigging materials and equipment such as jacks, tackle blocks, chain falls, shackles, and various wire and fiber ropes to select and install the appropriate type and size of gear needed to support the load; uses hand signals to guide crane operators in hoisting, moving, and lowering the load into the desired location) meets the skill and knowledge factor at the grade 8 level.

The level of responsibility of this job (work from oral or written instructions which indicate the work location and type of item to be moved; within the framework of established rigging practices and procedures, determine the work sequences to be followed and the tools, materials, and equipment to be used; advise the crane operator of clearances between the load and other objects, and of other possible hazardous conditions observed from the ground level.) meets the work responsibility factor at the grade 8 level.

The level of physical effort of this job (lifts and carries moderate heavy objects such as cables, chains, and jacks; continually reach, stoop, push, and pull while attaching rigging to the object to be moved) meets the physical effort factor at the grade 8 level.

The level of working conditions of this job (works both indoors and outdoors in all types of weather; subject to possible cuts and burns while handling wire and fiber ropes.) meets the working condition factor at the grade 8 level.

WG-5786, Small Craft Operating Series - Evaluated at the WG-06 level as described on pages 11 and 12 of reference IIC.

The highest level of work is WG-11.

VI. Classification Conclusion: Crane Operator, WG-5725-11.

VII. FLSA Determination: Nonexempt under 5 CFR Part 551, Federal Wage System (FWS).

VIII. Merit Pay Determination: N/A.



ARMY POSITION DESCRIPTION

PD#: RE562408

Sequence#: 4482874

Replaces PD#:

CRANE OPERATOR LEADER

WL-5725-11

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0E21

Command: CE

US ARMY ENGINEER DISTRICT, CHICAGO

OPERATIONS DIVISION

LAKE MICHIGAN PROJECT OFFICE

CONFINED DISPOSAL FACILITIES SECTION

EQUIPMENT OPERATIONS TEAM

CHICAGO, IL 60606 H6R0E21

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS ENG EQUIP OPER, 5716, JAN 69

Citation 2: OPM JGS CRANE OPER, 5725, JUN 71

Citation 3: OPM JGS SMALL CRAFT OPER, 5786, SEP 86

Citation 4: OPM JGS LEADER GRADE EVALUATION GUIDE, APR 98

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: MICHAEL J. FITTANTO

Date Certified: 07/13/2021

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: WILLIAM P. MAZZENO

Date Classified: 07/28/2021

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the*

title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: IVELISSE ALBARRACIN

Date Reviewed: 07/14/2021

<p>POSITION INFORMATION: Program & Project Mgmt Coding Level: FLSA: NON-EXEMPT FLSA Worksheet: NON EXEMPT FLSA Appeal: NO BUS Code: 3693 DCIPS/CES PD: NO</p> <ul style="list-style-type: none"> • Mission Category: • Work Category: • Work Level: <p>Functional Code: 00 Interdisciplinary: NO Supervisor Status: Leader (Over One Grade Position) PD Status: VERIFIED DCA Override: NO</p>	<p>CONDITION OF EMPLOYMENT: Drug Test Required: POSN NOT REQ DRUG TEST Financial Mgmt Cert: Position Designation: Tier 1 – Non-Sensitive, Low Risk Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk Sec. Clearance Level: Not Required Sec. Access (Child Care): Not Required PRP/SCI: Not Required Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key] Requires Access to Firearms: NO Influenza Vaccination: Financial Disclosure: N/A Enterprise Position: SCW Code: Acquisition Position:</p> <ul style="list-style-type: none"> • CAP: • Career Category: • Career Level: <p>Cyber Workforce:</p> <ul style="list-style-type: none"> • Primary Work Role/Prof Lvl: / • Additional Work Role 1/Prof Lvl 1: / • Additional Work Role 2/Prof Lvl 2: / <p>SPeD Certification(s):</p>	<p>POSITION ASSIGNMENT: Competitive Area: H6 Competitive Level: B0A5 Career Program: 18 Career Ladder PD: NO Target Grade/FPL: 11 Career Pos 1: Career Pos 2: Career Pos 3: Career Pos 4: Career Pos 5: Career Pos 6:</p>
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POSITION DUTIES:

CL: B005

1. LEADER DUTIES: As Equipment Operations Team Leader, leads other lower graded crane and engineering equipment operators in the accomplishment of trades and labor work. Incumbent passes on to other workers the instructions from supervisors and gets the work started by assigning individuals to equipment and tasks. Demonstrates proper work methods and sets the pace of work. Answers questions of other workers on procedures and policies. Checks work while in progress, adjusts the distribution of work to keep everyone in the work crew busy, and checks on work when finished to see if supervisor’s instructions on procedures, methods and deadlines have been met.

Assures safety rules are followed and limits of safe crane and equipment operation are not exceeded. Answers supervisor's questions on overall work operations and problems.

25%

2. CRANE OPERATOR - Operates a 140-ton capacity with 100-foot lattice boom crane at government stone dock and 80-ton capacity with 100-foot lattice boom crawler cranes at two separate confined disposal facilities. Uses these lattice boom cranes to load/unload equipment and load large and small stone and sand material aboard barges or unload dredge material and debris from barges and load into trucks, skip-pans or into the confined disposal facility itself. Makes lifting capacity judgments rapidly as the crane boom position changes to safely lift/place stones weighing up to 14 tons at distances that frequently come close to the crane's maximum lifting capacity. Stays alert for 10-hour workdays operating the crane to avoid other obstructions on a congested dock with large front-end loaders constantly moving stones and on the barges with vessel obstructions and changing vessel stability considerations. The tug mast is the highest obstruction since it is tied alongside the scow being loaded or unloaded. The operator must swing over, above or around the mast while loading the tug with barrels of oil (Flammable liquids), welders and supplies and setting these items into the hull with precise movements. Must insure not to hit the tug while swinging to minimize the chance of contacting the tug while still insuring the clearance between the crane and stone pile / crane and seawall. Personnel are also obstructions as deck hands work to loosen or tighten lines as the operator adjusts to avoid swinging loads over them while loading/unloading scows. Makes rapid maneuvers to prevent contact with loader operator when swinging 90 degrees. Accuracy is critical as the operator stacks the 14-ton stones and must ensure they are balanced to prevent shifting or falling onto equipment or personnel. The operator loads/ unloads the scows in the blind and relies on "feel" to determine the weight of the load and a signal person to indicate where the load is located.

30%

2. ENGINEER EQUIPMENT OPERATOR - At the Confined Disposal Facility, regularly operates government and rented heavy equipment for moving dredge material to effectively utilize the full capacity of the facility and prepare for future dredge material disposal operations. At the perimeter of the confined disposal facility which was constructed along a former steel mill site, operates rental track loaders and excavators to clear steep jagged former Lake Michigan shoreline area consisting of high mounds of concrete debris, 50+ years of vegetative growth, trees & tree stumps. The concrete pieces are separated from the soil and placed for loading onto barges for removal. The soil is reused/reshaped into berms to specifications (typically 10 feet high and several hundred feet long) at the confined disposal facility perimeter. Will operate rental Vibratory Soil Compactor and annually re-grade the stone storage facility site crane lane next to the dock to ensure a level surface for continued safe crane operation. Operates government compact track loader (rated 4000 lbs. lifting) with bucket, blade, backhoe and trencher which is operated at various locations throughout the District to maintain access at various O&M facilities to include a 14 mile Dispersal Barrier Des Plaines River Overflow Fence, and at two Confined Disposal Facilities equipment is operated on uneven and muddy terrain to construct new gravel roadways for vehicular and equipment access and storage for new areas. Performs dredge material management activities at a confined disposal facility and excavation to construct or maintain roadways at operations facilities. Work may involve use of manlifts, large tractor with articulating arms for cutting over fences, engineering equipment for moving heavy equipment, roadway grading/repair or sloping ground surfaces for proper drainage away from canal at emergency generator diesel fuel tank locations.

35%

3. SMALL CRAFT OPERATOR - In support of the above duties operates District small craft (motorboats 7 to 8 meters in length propelled by 125 to 150 horsepower outboard motors) to ferry personnel and supplies to offshore facilities to perform work. Operates on both protected and unprotected waters of the Great Lakes from the Indiana/Michigan border to the Illinois/Wisconsin border during all seasons. Operator is responsible for safety of vessel, passengers, and cargo, which may require postponing, altering or canceling trips due to weather or lake conditions.

10%

Performs other duties as assigned.

SKILLS AND KNOWLEDGE:

CRANE OPERATION - Boom crane operator must compensate for changes in the lifting capacity of the crane caused by variations in the angle of the boom, length of the boom, position of the revolving frame and the slope of the terrain. Before making each lift the operator must determine the weight of the load to be lifted; and, if unknown, must estimate the weight based on a general knowledge of weights of various materials. The maneuverability of the boom crane is restricted by stone piled around the crane. The tug also restricts the operator's maneuverability as it sits alongside the scows being loaded or unloaded within the cranes swing radius. Must be skilled in the use of clutches, levers, brakes, and accelerator to raise and lower the boom, to position the revolving frame, to raise and lower the hoist line with the load, and to move the crawler base. Because boom cranes have a large number of controls, considerable eye, hand, and foot coordination is required to produce the exact movements while watching the load; watching its clearance with other objects and setting stones with precision onto barges. Skill in operating cranes at all boom lengths, angles, and positions. Skill in making rapid lifting capacity judgments during continual position changes and skill in operating near or at the crane's lifting capacity and within extremely congested areas. Skill in producing exact movements while precision setting loads of up to 14 tons onto a barge. Skill to simultaneously operate the crane's controls, making difficult clearance judgments while watching the moving load and boom, and compensating for variations in the crane's lifting capacity during position changes. This demands intense concentration, unusual alertness, and an exceptional degree of visual and physical coordination.

ENGINEERING EQUIPMENT OPERATION - Worker must also demonstrate knowledge of the theory of weight distribution between wheels and tracks of all equipment. Utilizes proper methods of carrying weights going up and down inclines with both pieces of heavy mobile and engineering equipment. Knowledge of pre and post operation equipment checks, safe refueling procedures, understanding of standard hand signals and lifting/weight restrictions for the equipment. skilled in handling controls for starting, stopping, backing, lifting, lowering, and tilting by moving hands, arms, feet, and legs to operate controls. Ability to re-grade a crane loading dock to make it level for safe operation. Perform near a steel reinforced concrete dock wall drop-off, but it is not performed when any other hazards are present, such as adverse conditions (poor visibility) or other moving traffic (crane loading operations). Ability to operate track loaders and excavators to clear steep jagged former Lake Michigan shoreline areas consisting of high mounds of buried concrete debris and trees/tree stumps and construct berms to specifications (typically 10 feet high and several hundred feet long) along the confined disposal facility perimeter. Ability to operate compact track loader and mini excavator with various attachments to precisely grade/construct gravel roadways in uneven and muddy terrain.

SMALL CRAFT OPERATION - Knowledge of navigation charts, weather, aids to navigation. Inland Navigation Rules including proper navigation lights for all types of commercial and recreational boats and applicable Code of Federal Regulations for the specific harbors, rivers, bridges, and locks within the District area of operation. Skill to fix position of the craft/boat by plotting visual magnetic compass bearings of navigational aids and other charted objects on navigation charts. Skill in maneuvering craft safely while applying the Inland Navigation Rules in congested waterways of International/Great Lakes freighters, commercial tugs/towboats with barges, commercial fishing boats, commercial passenger vessels and large numbers of recreational craft. Operator must quickly identify burdened/privileged vessels in meeting/crossing/overtaking situations both in daytime and at night and execute maneuvers of course or speed changes in accordance with Navigation Rules. Uses safety equipment including rescue equipment for retrieving persons from the water. Ability to operate electronic equipment such as VHF radio and fathometer.

RESPONSIBILITIES

Makes independent judgments and decisions within the framework of oral or written instructions, and chooses between accepted methods, techniques, and procedures. Independently decides whenever changes in boom length, rigging, and attachments are needed to accomplish the work. Supervisor spot checks work to see that completed work meets requirements. Operates cranes, equipment, and small craft in a safe manner according to safety rules and regulations and use the equipment properly so that it is not damaged. Incumbent must remain constantly alert and operate these items carefully, especially when close to other persons, buildings, equipment, or other vessels to prevent damage or injury to others. Good housekeeping of these items is required to ensure they are clean and serviced and employee must inspect and report of any defects or damage to the supervisor. For small craft operation, the employee is responsible for the cargo and personnel

aboard ensuring safe transport during wind and sea conditions which includes proper positioning, speed, course, and safe operations.

PHYSICAL EFFORT

Continually exerts heavy effort in pushing, pulling, and depressing the various levers, clutches, and brakes. Subject to strain caused by vibrations of the crane, and from the jerking and jolting motions moving heavy loads especially when releasing/placing the stones up to 14 tons or when initial attempts to grab these uniquely shaped stones fail and the rock grapple slips off. The operator must make continual control changes to maneuver the crane and load stones onto barges. The exacting work demands continual physical effort on the controls to pick up extremely heavy unique shaped stones that could, if dropped, pierce and permanently damage the deck of the barges being loaded. Moderate to heavy physical effort is required when lifting and moving moderately heavy objects (up to 50 lbs.) such as cables, chains, jacks, lifting hooks, cables and rigging gear. Must continually reach, bend, stoop, push, and pull while attaching rigging to the object to be moved. Works from ladders, scaffolds and on platforms in cramped and hard to reach places. Stands, stoops, bends, kneels, and climbs, and works in awkward, tiring, and uncomfortable positions. Reaching, bending, turning, or moving hands, arms, feet and legs to operate hand and foot controls on equipment and vehicles and constant coordination arms, legs, and body movements to safely work on wet and moving decks, to operate equipment and attachments to compensate for terrain features, and to maintain balance and position at the controls.

WORKING CONDITIONS

Works outdoors in a partially enclosed cab in all types of weather. Exposed to unpleasant noise, heat, and fumes produced by the engine. Worker is exposed to the possibility of injury caused by swinging loads, the boom contacting an obstruction and collapsing down on operator or from the crane overturning. The possibility of overturning is greater because the work frequently involves lifting near the crane's lifting capacity. There is also the possibility of one of the heavy stones suddenly slipping from the rock grapple and bouncing into contact with the crane. Worker must be able to work in direct sunlight in 90-degree Fahrenheit temperatures as there is little shade on Corps of Engineers piers and breakwaters. Work may involve walking and working on wet and slippery surfaces extending out into Lake Michigan and requires the utmost attention to wave action and surroundings as there are no protective railings. Wearing of a life jacket is required whenever working on a vessel and may be exposed to possible falls on deck or falling overboard. Subject to possible cuts and burns while handling wire and fiber ropes. Subject to possible serious injury from falls while climbing and attaching rigging. Frequently exposed to serious injury from swinging loads, breaking slings, and falling objects. Occasionally some work may need to be performed in confined spaces. Worker wearing a safety harness may need to be lowered down by safety winch into the confined space.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption – [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.

- 4. Professional Exemption:**

- a. Professional work (primary duty)
- b. Learned Professional, ([See 5 CFR, 551.208](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
- c. Creative Professional, ([See 5 CFR, 551.209](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
- d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
- 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.
- FLSA Conclusion:**
 - Exempt**
 - Non Exempt**

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 511.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

IAW AR-600-85, CH 5, this position is covered by the Civilian Drug Abuse Testing Program. Incumbent is required to sign a DA Form 5019-R "Condition of Employment for Certain Civilian Positions Identified as Critical under the Drug Abuse Testing Program".

Based on the physical efforts listed in this PD, this position requires a pre-employment physical examination and be enrolled in the medical surveillance program (annual fit-test) that requires periodic physical examinations. NOTE: Worker must satisfactorily pass training course for confined space entry team.

This position requires a valid State motor vehicle operator's license prior to appointment and maintain the license for the duration of employment.

This position requires incumbent to obtain and maintain a Cardiopulmonary Resuscitation (CPR) Certification through the completion of an Adult CPR Training Course.

This position requires a current American Red Cross Standard First Aid card

This position requires employee to obtain and maintain a National Commission for the Certification of Crane Operators (NCCCO) and Lattice Boom Crawler license/certification(s).

POSITION EVALUATION:

BACKGROUND: Management requested re-evaluation of PD GJ428653, Engineering Equipment Operator Leader, WL -5716-10 and provided additional information for the Crane operator's work. A new PD was warranted after the re-evaluation of the Crane Operator's duties.

REFERENCE:

- a. OPM JGS Engineering Equipment Operating, 5716, Jun 71
- b. OPM JGS Crane Operating, 5725, Jun 71
- c. OPM JGS Small Craft Operating, 5786, Sep 86
- d. OPM JGS Leader WL/NL, Jan 1980
- e. OPM Introduction to the Federal Wage System JGS, Sep 1981

SERIES & TITLE DETERMINATION: Position performs a full range of leader duties on a continuing basis, as a regular and recurring part of the job to include passing on to other workers instructions received from the supervisor and getting work started, working along with other workers and setting the pace, demonstrating proper work methods, seeing to it that there is enough work to keep everyone in the work crew busy, and checking work while in progress and when finished to see whether the supervisor's instructions on work sequence, procedures, methods, and deadlines have been met. This working leader position leads other lower graded crane and engineering equipment operators in the accomplishment of trades and labor work typically engineering equipment operators' grades WG-5725-11, WG-5716-10 and WG-5716-08.

The duties of the position meet the leader duties described in the OPM Federal Wage System Job Grading Standard for Leader WL/NL, TS-39, January 1980. Incumbent meets the criteria for leading a minimum of three workers as required for coverage under this standard. The highest level of regular and recurring work is determined based on the highest level of nonsupervisory work performed. The series and title are determined based on the grade determination results below. However, the position continues to support to be Leader criteria listed in ref. d.

GRADE DETERMINATION: The duties assigned to this job involve a variety of trade practices, requiring the application of more than one trade practice standards. Each separate duty was evaluated against the first three referenced classification standard to determine the highest-grade level of work performed on a regular and recurring basis and the appropriate series determination.

CRANE OPERATOR work (WG-5725) – Grade was determined by the criteria of the FWS Job Grading Standard for Crane Operating, 5725, Jun 71 which include five evaluation factors (General, Skill and Knowledge, Responsibility, Physical Effort and Working Conditions):

General: At the WG-09 level, boom crane operators operate at various locations outdoors where maneuverability is not a major problem and accuracy is not critical. Worksites may contain some obstacles, but there is considerable room to maneuver over and around these objects. The crane is operated at standard boom angles and with loads well within the lifting capacity. The boom is fitted with usual attachments to load/unload sand, gravel, or other loose material at loading docks.

At the WG-11 boom crane operators operate at various outdoor operations where maneuverability is restricted, and accuracy is critical. Many work areas do not permit positioning the crane near the work to be done. To reach, extreme boom angles must be used, greatly reducing the lifting capacity of the crane, and further restricting the maneuverability. They make precise load placements where exact movements must be made to position the load accurately and safely. Many situations involve moving such large, heavy, or awkward loads that the crane operator is near or at its lifting capacity with the operator having to rely on "feel" alone. The boom crane at this level is typically used to load/unload equipment and supplies aboard ships/vessels or move rock close to walls or other ground obstructions.

The WG-09 level is exceeded because the operator of this position relies on "feel" alone, working with the crane in the blind relies on other senses of such as sound and visual of the cranes controls and some placement of material can be out of the operator's visual in which the operator would rely on a second person for verbal or hand signal communication to continue with operations. The WG-11 level is fully met because the maneuverability of the boom crane is restricted by stone piled around the crane. The tug also restricts the operator's maneuverability as is sits alongside the scows being loaded or unloaded within the cranes swing radius. Because the position does fully meet the criteria for the WG-11, the grade level WG-11 is credited.

Skill and Knowledge: At the WG-09 level, boom crane operators must compensate for changes in the lifting capacity of the crane caused by variations in the angle of the boom, position of the revolving frame and the slope of the terrain. Before making each lift, boom operators must determine the weight of the load to be lifted; and if unknown, they must estimate the weight based on the general knowledge of weights of various materials. They must be skilled in the use of clutches, levers, brakes, etc. Because boom cranes have many controls, considerable eye, hand, and foot coordination is required to produce the desired movements while watching the load and its clearance with other objects.

At the WG-11 level, boom crane operators in addition must be skilled in operating cranes at all boom angles and positions. They must be skilled in making rapid lifting capacity judgments during continual position changes. They must be skilled in operating near the crane's lifting capacity and within extremely congested areas. They must be skilled in producing exact movement while precision setting loads onto or in other objects. Operators must be skilled in simultaneously operating the crane's controls, making difficult clearance judgments while watching the moving load and boom. This demands intense concentration, unusual alertness, and an exceptional degree of visual and physical coordination.

The position exceeds the WG-09 level of skill and knowledge of this job because the operator has to make lifting capacity judgments rapidly and crane/boom position continually to safely lift the stones weighing up to 14 tons at distances that frequently reach the crane's maximum lifting capacity. Because of the intense concentration, unusual alertness, and an exceptional degree of visual and physical coordination required of the position, this position fully meets the skill and knowledge criteria for the WG-11 level.

Responsibilities: At the WG-09 level, boom crane operators follow oral or written instructions indicating the crane to be operated, location of the work, general nature of the work to be done, and any problems which may be encountered. They report any defects to his supervisor. WG-09 operators assure that the boom crane is "well within" its lifting capacity during position changes. They may recommend changes in boom length, rigging, and attachments to the supervisor if they feel the situation warrants such a change. Their work is spot checked for compliance with the standard operating practices.

At the WG-11 level, boom crane operators have greater responsibility for determining the positioning of the crane because the work is typically done near obstructions. They must consider such factors as the safest routing of the load, clearances along the route, position changes needed to complete the move, and the effect of these changes on the crane's lifting capacity. These determinations are critical at this level due to the greater possibility of "exceeding" the crane's lifting capacity, injuring personnel, and damaging the load, crane, and obstructions while making position changes.

As crane operator, makes independent judgments and decisions within the framework of oral or written instructions, and chooses between accepted methods, techniques, and procedures. Independently decides whenever changes in boom length, rigging, and attachments are needed to accomplish the work. Supervisor spot checks work to see that completed work meets requirements. The Operator is exposed to the possibility of damage or loss of equipment and/or injury or death caused by swinging loads, the boom contacting an obstruction and collapsing down on operator or from the crane overturning. This position exceeds the WG-09 responsibility criteria and fully meets the GS-11 responsibilities and is credited.

Physical Effort: At the WG-09 level, boom crane operators exert heavy effort in pushing, pulling, and depressing the various levers, clutches, and brakes. They are subject to strain caused by vibrations of the crane, and from the jerking and jolting motions while lifting and moving loads.

At the WG-11 level, boom crane operators must make continual control changes to maneuver the crane and load around obstructions, to stay within the lifting capacity, and to position the load at the desired location. This is more strenuous than the physical effort of grade 9 boom crane operators, who remain in a set position for a longer period of time.

The WG-09 level is exceeded because the operator must make continual control changes to maneuver the crane and load stones onto barges. The exacting work demands continual physical

effort on the controls to pick up extremely heavy unique shaped stones that could, if dropped, pierce and permanently damage the deck of the barges being loaded. This is more strenuous than the physical effort of grade 9 boom crane operators, who remain in a set position for a longer period of time. However, because the crane is set in designated lane on the dock with minimal maneuverability requirements around obstacles, this position does not fully meet the criteria for the WG-11, therefore the WG-09 Physical Effort criteria is credited.

Working Conditions: At the WG-09 level, boom crane operators work outdoors in a partially enclosed cab in all types of weather. They are exposed to unpleasant noise, heat, and fumes produced by the engine. They are exposed to the possibility of injury caused by swinging loads or from the crane overturning.

At the WG-11 level, the working conditions are substantially the same as those of the WG-09 boom crane operators with the exception that the WG-11 boom crane operators are exposed to a greater possibility of injury from overturning because they must frequently work near the crane's lifting capacity.

The Operator is exposed to the possibility of a greater overturning because the work frequently involves lifting near the crane's lifting capacity. There is also the possibility of one of the heavy stones suddenly slipping from the rock grapple and bouncing into contact with the crane. The working conditions for the WG-09 is exceeded and the position fully meets the criteria for the WG-11 and is credited.

The Crane Operator (WG-5725) does fully meet the WG-11 grade level.

ENGINEERING EQUIPMENT OPERATOR work (WG-5716) – Grade was determined by the criteria of the JGS Engineering Equipment Operating, 5716, Jun 71 which include five evaluation factors (General, Skill and Knowledge, Responsibility, Physical Effort and Working Conditions):

General: At the WG-08 level, the Engineering Equipment Operator operates one or more types of heavy equipment to push, pull, pile, or load materials such as sand, gravel, earth, coal, or refuse. Work is generally done on flat or rolling terrain, refuse dumps, and construction sites with simple terrain problems.

At the WG-10 level, the position operates one or more types of heavy equipment to excavate, backfill, grade, or level earth to rough specifications on such projects as breaking new ground for trails, roads, canals, tunnels, or construction sites. Moves earth on mountains and steep slopes, graded curves, and shoulders, rocky or soft ground, hilly forests, and other surfaces with similar rough features. Grades surfaces, compact soils, or roll to exact specifications on flat or rolling terrain. Adjust attachments for proper positioning and working order, adjusting, usually, without stopping the power unit or the equipment. Steer and operate by using clutches, levers, brakes, and valves according to the slope or tilt. The WG-08 level is exceeded because the operator operates one or more types of heavy equipment such as excavators, Vibratory Soil Compactor, grader, and compact track loader (rated 4000 lbs. lifting), with bucket, blade and brush cutter to excavate, backfill, grade, or level earth to rough specifications on such projects as breaking new ground for trails, roads, canals, tunnels, or construction sites.

This level of work is more complicated than that described at the WG-08 level because of the increased operating complexity of the equipment and the requirement to operate on all types of terrain. While surfacing to fine specifications requires more "touch," it is done on terrain like that described at WG-08. Because the position does exceed the WG-08 general criteria and fully meets the criteria for the WG-10, the WG-10 criteria is credited.

Skill and Knowledge: At the WG-08 level, the operator is required to know the uses of the different sets of controls or operation of the equipment, to be skilled in handling these controls to perform the work, and to have a basic knowledge of the nature of the soil and features of the terrain to determine the proper approach according to the condition of the surface and subsurface. Must be able to move the equipment about in confined areas. Good hand, foot, and eye coordination are required to handle different controls at the same time.

At the WG-10 level, the operator must have more skill than at WG-08 level, to grade surfaces to

rough or fine specifications by adjusting attachments while the vehicle is in motion and on all types of terrain. Good depth perception and a high degree of concentration are required in addition to the hand, foot, and eye coordination to perform the operations necessary to grade the surface. Operators are required to have more knowledge of a variety of soil composition and conformation than that outlined at the WG-08 level, as well as more knowledge of the purpose and limitations of a greater variety of attachments.

The WG-08 level is exceeded because the operator of this position must demonstrate knowledge of the theory of weight distribution between wheels and tracks of all equipment. Utilizes proper methods of carrying weights going up and down inclines with both pieces of heavy mobile and engineering equipment requiring a good depth perception and a high degree of concentration. Because the position does fully meet the criteria for the WG-10, the Skills and Knowledge criteria for the WG-10 is credited.

Responsibilities: At the WG-08 level, the operator follows oral instructions or written work orders concerning the location of the job and the work to be done. The work is performed largely without direct supervision. Must operate the equipment in a safe manner according to safety rules and regulations and use the equipment properly so that it is not damaged, and must remain constantly alert and operate the equipment carefully, especially when close to other persons, buildings, etc., to prevent injury to others and damage to the equipment.

At the WG-10 level, the operators follow oral instructions or written work orders as described at WG-08 level. However, the operator performs the more difficult tasks of rough grading the earth to the general contour desired as well as fine surfacing on fiat or rolling terrain. Work is performed without direct supervision. The responsibility for the safe operation of the equipment and for seeing that the equipment is not damaged is greater because of the requirement to work on rough terrain.

The WG-08 level is exceeded because the operator of this position makes independent judgments and decisions within the framework of oral or written instructions, and chooses between accepted methods, techniques, and procedures. Operates compact track loader with various attachments to precisely grade/construct gravel roadways in uneven and muddy terrain. Operates rental Vibratory Soil Compactor and government grader to annually re-grade the stone storage facility site crane lane next to the dock to ensure a level surface for continued safe crane operation. The position is responsible for the safe operation of the equipment and for seeing that the equipment is not damaged when working on rough terrain. Work is performed without direct supervision. Because the position does fully meet the criteria for the WG-10, the Responsibility criteria for the WG-10 is credited.

Physical Effort: At the WG-08 level, operator continually exerts heavy effort in pushing, pulling, and depressing the various levers, clutches, and brakes. Subject to strain caused by vibrations of the crane, and from the jerking and jolting motions from operating over rough surfaces. Because of the location of some of the controls and attachments, the operators are frequently required to work in awkward or strained positions.

At the WG-10 level, the physical effort is similar to that described at the WG-08 level but is somewhat more strenuous because of the generally larger pieces of equipment and the requirement for more frequent adjustments under more adverse operating conditions.

The WG-08 level is exceeded because this position encounters more strenuous and adverse operating conditions while maneuvering larger pieces of equipment, requiring more frequent adjustments and demands continual physical effort on the controls to pick up extremely heavy unique shaped stones that could, if dropped, pierce and permanently damage the deck of the barges being loaded. Must continually reach, bend, stoop, push, and pull while attaching rigging to the object to be moved. Works from ladders, scaffolds and on platforms in cramped and hard to reach places. Because the position does fully meet the criteria for the WG-10, the Physical Effort criteria for the WG-10 is credited.

Working Conditions: At the WG-08 level, work is performed in all types of weather, often in an open driver's seat or platform, on hills, slopes, grades, rolling surfaces, and forests. The operators are exposed to injury due to the possibility of the equipment overturning. They are subject to noise, vibration, dust, dirt, and fumes from the motor and exhaust.

At the WG-10 level, the operation of larger and more complicated equipment in more difficult circumstances increases the exposure to injury, overturning, noise, and vibration than that described at the WG-08 level.

The WG-08 level is exceeded because incumbent works outdoors in a partially enclosed cab in all types of weather. Exposed to unpleasant noise, heat, and fumes produced by the engine. Worker is exposed to the possibility of injury caused by swinging loads, the boom contacting an obstruction and collapsing down on operator or from the crane overturning. The possibility of overturning is greater because the work frequently involves lifting near the crane's lifting capacity. The consequences could be catastrophic and may result in injury or death. Major damage or even loss of equipment may also be a result as well. Because the position does fully meet the criteria for the WG-10, the Working Conditions for the WG-10 is credited.

The Engineering Equipment Operator (WG-5716) fully meets the WG-10 grade level.

SMALL CRAFT OPERATOR work (WG-5786) – Position operates small craft (motorboats 7 to 8 meters in length propelled by 125 to 150 horsepower outboard motors) to ferry personnel and supplies to offshore facilities to perform work. Operates on both protected and unprotected waters during all seasons. Position requires knowledge of navigation charts, weather, aids to navigation and skills to fix position of the craft/boat by plotting visual magnetic compass bearings of navigational aids and other charted objects on navigation charts.

This is a match to the grade 6 level, BMK# 2 description of the 5786 Standard. Because the position does fully meet the criteria for the WG-06, the grade level WG-06 is credited.

CONCLUSION: The "Introduction to the Federal Wage System Job Grading System" states that: "A mixed job involves performance on a regular and recurring basis of duties in two or more occupations at the same or different grade levels. To assure consistency and equity in the grading of such mixed jobs, the following rules apply:

a. A mixed job should be graded in keeping with the duties that (1) involve the highest skill and qualification requirements of the job, and (2) are a regular and recurring part of the job, even if the duties involved are not performed for most of the time. If a job involves regular and recurring duties at the same level in two or more occupations, such a mixed job is graded to that same level."

Since the Crane Operator's duties are graded at the WG-11 level and are a regular and recurring part of the job, even so are not performed for a majority of the time and the highest level of non-supervisory work led is also at the WG-11, the job is titled, coded, and graded as Crane Operator Leader, WL-5725-11.

FINAL CLASSIFICATION: Crane Operator Leader, WL-5725-11.



ARMY POSITION DESCRIPTION

PD#: RE3471Z

Sequence#: 4986134

Replaces PD#:

OPERATOR-MARINE DERRICK

XH-5725-08

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0E11
US ARMY ENGINEER DISTRICT, CHICAGO
OPERATIONS DIVISION
LAKE MICHIGAN PROJECT OFFICE
HARBORS MAINTENANCE SECTION
LAKE MICHIGAN FLOATING PLANT
CHICAGO, IL 60606 H6R0E11

Command: CE

Directorate: USACE HRD

Command Code: CE
US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS CRANE OPER, 5725, JUN 71

Citation 2: LADDER DIAGRAM FLOATING PLANT JOBS

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: KEVIN J. KWASNY

Date Certified: 05/24/2024

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: SHANNON M. VANDAL

Date Classified: 11/15/2018

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all*

outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: IVELISSE ALBARRACIN

Date Reviewed: 02/02/2022

POSITION INFORMATION:

Program & Project Mgmt

Coding Level:

FLSA: NON-EXEMPT

FLSA Worksheet: NON EXEMPT

FLSA Appeal: NO

BUS Code: 3693

DCIPS/CES PD: NO

- **Mission Category:**
- **Work Category:**
- **Work Level:**

Functional Code: 00

Interdisciplinary: NO

Supervisor Status: Non-Supervisory

PD Status: VERIFIED

DCA Override: NO

CONDITION OF EMPLOYMENT:

Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE)

Financial Mgmt Cert:

Position Designation: Tier 1 – Non-Sensitive, Low Risk

Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk

Sec. Clearance Level: Not Required

Sec. Access (Child Care): Not Required

PRP/SCI: Not Required

Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key]

Requires Access to Firearms: NO

Influenza Vaccination: NO

Financial Disclosure: N/A

Enterprise Position:

SCW Code:

Acquisition Position:

- **CAP:**
- **Career Category:**
- **Career Level:**

Cyber Workforce:

- **Primary Work Role/Prof Lvl:** /
- **Additional Work Role 1/Prof Lvl 1:** /
- **Additional Work Role 2/Prof Lvl 2:** /

SPeD Certification(s):

POSITION ASSIGNMENT:

Competitive Area: H6

Competitive Level: 00A5

Career Program: 18

Career Ladder PD: NO

Target Grade/FPL: 08

Career Pos 1:

Career Pos 2:

Career Pos 3:

Career Pos 4:

Career Pos 5:

Career Pos 6:

POSITION DUTIES:

CL: 0005

SUPERVISORY CONTROLS

Works under the Supervision of the Master Derrickboat or other higher graded supervisor. Performs duties in accordance with established procedures, plans, and schedules which are received either verbally or in writing. The supervisor may not be aboard the vessel, but is available by radio and/or cell phone communications to provide guidance and instructions when necessary. Completed work is evaluated for compliance with instructions and for adequacy of work procedures chosen.

MAJOR DUTIES

Serves as principal operator of a derrick or crane aboard derrick-barge or crane-barge displacing 175 to 1100 tons engaged in waterway and harbor maintenance on the Great Lakes. Functions as second in charge aboard assigned vessel.

1. Principle operator of a crane or derrick aboard vessel engaged in channel maintenance and hoisting services such as wrecking, concrete/grouting work, removing channel obstructions, submarine drilling and blasting, repairing breakwaters, placing stone on breakwater structures above and below waterline and repair of docks and pile driving. Directs and maneuvers the placement of the derrickboat in position, the placement of spuds and fastening of lines, the operation of deck winches and the anchoring of the boat. Makes heavy lifts to and from docks, other vessels, and from underwater areas by operating various buckets, hooks and grapples used for digging, lifting and depositing materials on to derrickboat or scow and from derrickboat or scow to underwater. Works from plans or field notes showing location and extent of work to be performed in removing shoals from channel. Locates area; makes necessary arrangements for accomplishing work.
70%

2. When required, prepares daily time sheet showing the crew's hours worked, area excavated in square feet, area swept in square feet, yardage dug each day and yardage unloaded each day, types of materials, weather conditions, gauge readings, etc. Prepares AHA documents for crane operations, lift plans and critical lift plans in accordance with EM385-1-1.
10%

3. As second in charge aboard assigned vessel, directs and assigns crew in work to be performed. Makes periodic inspections of cables and other parts as needed to insure crane is safe to operate and makes repairs as necessary. Leads crew in overall maintenance of the crane by performing routine maintenance and repair work such as replacing broken crane engine parts, valves, cables, etc. Directs members of the crew in performing preventative maintenance and in making emergency repairs to equipment.
20%

PERFORMS OTHER DUTIES AS ASSIGNED.

SKILLS AND KNOWLEDGES

Knowledge of vessel stability, ballasting, watertight integrity, construction and damage control.

Knowledge of barge handling, including anchoring, mooring, positioning and towing.

Skill in operation, assembly, disassembly, repair and adjustment of crane engines and other marine equipment such as boom, spuds, crane parts, buckets, pumps, winches, etc. Ability to operate derrick or crane smoothly and safely while communicating via marine radios and observing standard hand signals for crane operations.

Knowledge of firefighting including classes of fires, firefighting systems, equipment, and fire prevention, to include the handling of dangerous materials and fuel.

Knowledge of emergency procedures and contingency plans including fire or collision, man overboard, heavy weather, abandon ship, etc.

Knowledge of machinery including cranes, power plants and auxiliary systems, marine engineering terminology, auxiliary deck machinery.

Knowledge of basic lifesaving and emergency first aid including launching of life rafts, use of survival suits, PFD s and work vests. Knowledge of immediate action required for severe bleeding, hypothermia, electrical shocks and other life-threatening situations.

RESPONSIBILITY

Receives oral assignments of work to be accomplished from the crane-barge master or applicable manager within the Area Office. The incumbent is second in charge of the vessel and when acting in that capacity, is responsible for performing work according to directives, district regulations and marine or navigation rules and USCG regulations. Responsible for exercising knowledge of the derrick-boat's capacities and limitations, checking rigging, estimating loads and distance, etc., in order to avoid capsizing, injuries, and/or damage to plant or other vessels. Must coordinate all vessel operation with the master or operator of attendant tug so their combined efforts result in efficient operations. Work is evaluated in terms of safe and economical operations as well as compliance with applicable instructions. Repair requests are reviewed by management to assure budgetary allowances are not exceeded and the vessel is subject to occasional inspection by the applicable manager.

PHYSICAL EFFORTS

Work requires walking, bending, reaching, standing for prolonged periods turning or moving hands, arms, feet and legs to direct or assist in operations on deck or below. Moderate physical effort is required in accomplishing tasks. Incumbent is subject to physical strain from swaying or jarring movements of the vessel.

WORKING CONDITIONS

Work is performed both inside and outside aboard floating plant in all types of weather. There is danger of drowning due to accident or storm and particularly due to improper lifting or handling of heavy objects which may cause the derrick to overturn. There is further danger of injury due to blasting operations. Subject to cuts, bruises, sprains, and broken bones. The possibility of falling or slipping on wet or icy decks, ladders, etc., is present. Exposure to dirt and grease when making repairs to vessel or machinery.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption - [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.
- 4. Professional Exemption:**
 - a. Professional work (primary duty)
 - b. Learned Professional, ([See 5 CFR, 551.208.](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
 - c. Creative Professional, ([See 5 CFR, 551.209.](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or

- d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
- 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.
- FLSA Conclusion:**
 - Exempt**
 - Non Exempt**

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 511.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

TESTING DESIGNATED POSITION

This position is covered by the civilian drug abuse testing program. Incumbent is required to sign a DA Form 5019-R, Condition of Employment for certain civilian positions identified as critical under the Drug Abuse Testing Program.

TDY may be required up to 80% of the incumbent's time.

MINIMUM LICENSE REQUIRED – NCCCO License – Lattice Boom Crawler.

This position requires a pre-employment physical examination and be enrolled in the medical surveillance program that requires periodic physical examinations.

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

02/2/2022 - Reviewed PD upon recruitment; updated new signature blocks IAW CHRA formatting guidance; added annual physical requirement - Local 2130 agrees with this change to this PD in creating consistency with the Annual Physical Requirement for all the Operator-Marine Derrick positions in LRE. Ivelisse Albarracin, Classification Specialist

Position cursory review completed, annotated CL. 10/2/2019 SKH

10/8/2018 – Upon recruitment, position was reviewed for quality assurance and to ensure proper classification. Reviewer found missing DCA Approver, FLSA determination and missing grade

controlling duties needed for proper position evaluation. These items have been added to support the Ladder Diagram and the position grade. Management also added additional information and edits to the job description that has not direct affect on the grade or the incumbents attached to the PD.

REFERENCES:

OPM JGS, Crane Operating, 5725, JUN 71
U.S. Army Corps of Engineers Ladder Diagram, 1953

SERIES AND TITLE DETERMINATION: This position serves as an operator of a derrick or crane aboard derrick-barge or crane-barge displacing 175 to 1100 tons engaged in waterway and harbor maintenance. The 5725 Crane Operator series covers position involving nonsupervisory work involved in the operation of cranes to lift, transport, and position materials. Due to the nature of the position, i.e., floating plant, the position is properly classified to the XH pay plan. Due to the nature of the vessel (Derrick-barge) and the position (marine navigation), the correct title and pay plan for this position is Operator-Marine Derrick, XH-5725.

GRADE DETERMINATION: Derrick-barges are equipped with orange peel and clam shell buckets, slings, hooks, and shackles. Operators install, maintain and repair mechanical and structural features of navigation locks and dams, loading and unloading heavy equipment and materials to and from other barges; maintaining channels by dredging shoals, removing snags, rocks, submerged vessels and other obstructions; driving wood and steel piling by using diesel pile-driving hammers and attachments. The derrick operator maneuvers barge by using current and spuds, by casting and pulling with boom and bucket, or by signaling pilot of towboat, tender or tugboat to maneuver boat. The operator must compensate for the shifting of the barge on the water while under load and must assure the safety of crew members on the barge.

This work exceeds that of the Engineer, Derrickboat, XH-07, as the engineer is responsible for the stationery engines and equipment on the derrickboat, but does not have the added responsibility of operating the derrick or crane. This work does not meet the Master, Derrickboat, XH-10, level as the operator does not also have the responsibility for supervising the crew assigned to the derrickboat.

Licensed floating plant positions are ranked based on private industry practices. The Derrick Operator is ranked two grades below the Master, Derrick. If the duties, responsibilities and grade of the Master, as well as the derrick-barge characteristics, are significantly greater or less than this benchmark, the grade of the Derrick Operator may be graded higher or lower as well. This position is properly graded at XH-08 which is two-grades below the current Master Derrick, XH-5725-10 which was also properly reviewed during this evaluation.

FINAL CLASSIFICATION: This position is considered properly classified as Operator-Marine Derrick, XH-5725-08.

CPAC Classification Advisory Evaluation

1. Agree with the proposed classification of this position as Operator-Marine Derrick, XH-5725-08.
2. The Revised Ladder Diagram Benchmarks for Towboats, Tugs, Tender, Derrickboats, and Survey Boats was issued on 24 April 2003, and gives more explanation on the classification of each benchmark. This position description matches Benchmark C-07 in the Revised Ladder Diagram which is classified as Operator, Derrickboat, XH-5725-08. Justification from management supports the slight title deviation since this is not a self-propelled derrick-boat, but is truly a derrick-barge and the position is mainly for the crane operation and maintenance sustained on the barge.
3. Final Classification: Operator-Marine Derrick, XH-5725-08.
4. Classifier: Shannon Vandal

* Pen and ink change made 18 April 2005. Statement regarding TDY was added to the PD. This does not affect the classification of the position.*

Jason L. Hohman
SWCPOC



ARMY POSITION DESCRIPTION

PD#: RE522141

Sequence#: 3719421

Replaces PD#:

ENGINEERING EQUIPMENT OPERATOR

WG-5716-10

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0E30
US ARMY ENGINEER DISTRICT, CHICAGO
OPERATIONS DIVISION
LAKE MICHIGAN PROJECT OFFICE
FOX RIVER SECTION

Command: CE

CHICAGO, IL 60606 H6R0E30

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS ENG EQUIP OPER, 5716, JAN 69

Citation 2: OPM JGS CEMENT FINISHER, 3602, JAN 70

Citation 3: OPM JGS CARPENTER, 4607, APR 91

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: MARIE T. STRUM

Date Certified:

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: SHANNON M. VANDAL

Date Classified: 04/09/2019

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the title/series/grade are properly determined based on the standard. The FLSA is correct and when it is*

determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By:

Date Reviewed:

POSITION INFORMATION:

Program & Project Mgmt Coding Level:

FLSA: NON-EXEMPT

FLSA Worksheet: NON EXEMPT

FLSA Appeal: NO

BUS Code: 3693

DCIPS/CES PD: NO

- **Mission Category:**
- **Work Category:**
- **Work Level:**

Functional Code: 00

Interdisciplinary: NO

Supervisor Status: Non-Supervisory

PD Status: VERIFIED

DCA Override: NO

CONDITION OF EMPLOYMENT:

Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE)

Financial Mgmt Cert:

Position Designation: Tier 1 – Non-Sensitive, Low Risk

Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk

Sec. Clearance Level: Not Required

Sec. Access (Child Care): Not Required

PRP/SCI: Not Required

Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key]

Requires Access to Firearms: NO

Influenza Vaccination:

Financial Disclosure: N/A

Enterprise Position:

SCW Code:

Acquisition Position:

- **CAP:**
- **Career Category:**
- **Career Level:**

Cyber Workforce:

- **Primary Work Role/Prof Lvl:** /
- **Additional Work Role 1/Prof Lvl 1:** /
- **Additional Work Role 2/Prof Lvl 2:** /

SPeD Certification(s):

POSITION ASSIGNMENT:

Competitive Area: H6

Competitive Level: 00B0

Career Program: 18

Career Ladder PD: NO

Target Grade/FPL: 10

Career Pos 1:

Career Pos 2:

Career Pos 3:

Career Pos 4:

Career Pos 5:

Career Pos 6:

POSITION DUTIES:

THIS IS A DESIGNATED TESTING POSITION.

CL: 000X

MAJOR DUTIES

Operates Engineering Equipment and performs a variety of skilled duties involved in the operation, maintenance and repair of district facilities including lock equipment, navigation structures, and buildings and grounds, requiring the use of various trade practices.

1. ENGINEERING EQUIPMENT OPERATOR - In support of the above duties, operates numerous government-owned and rental heavy equipment. Operates motor graders to maintain roadways as well as equipment staging areas. Operates excavators with boom mower attachments to clear vegetation from inner walls of the containment dikes and hard to reach areas of perimeter fences. Operates compact tractors with grounds maintenance attachments on steep hills, containment dikes, and uneven terrain to maintain grounds according to Dam Safety Plan specifications. Operates wheeled front end loaders to stack, remove, and move armor stones between storage piles on facilities and barge-loading crane working position. Operates vibratory soil compactors motor grader to level and re-grade the stone storage dock crane lane for the safe operation of lattice-boom cranes.

Regularly operates bulldozers, moving dredge material to effectively utilize the full capacity of the facility and prepare for future dredge material disposal operations. Operates motor grader to re-grade sediment segregation pad, perimeter, and access and haul roads to specifications. Operates compact track loader with bucket, blade, backhoe and trencher which is operated at various locations throughout the District to maintain access at various facilities. Equipment is operated on uneven and muddy terrain to construct new gravel roadways for vehicular and equipment access and storage for new areas. Operator operates skid steer loaders on emptied deck barges to remove small rock fragments too small to be removed by a crane during regular barge unloading operations.

70%

2. CEMENT WORK - Performs surface preparations, forming, mixing, pouring, spreading and leveling of concrete surfaces. Concrete work is performed on Corps of Engineers facilities such as waterfront facility navigation structures and storage buildings/areas. All work is performed on straight sections.

10%

3. CARPENTRY WORK - Performs routine carpentry maintenance work at District facilities and on dam equipment. Maintains and repairs various project buildings, fencing and grounds and assists in the maintenance of District facilities.

10%

4. PAINTING WORK - Performs routine painting at District facilities and on lock equipment such as lock dewatering bulkheads. Worker receives instructions from supervisor or other higher graded engineer as to the surfaces to be coated and the coating materials to use. Operates high pressure fire pumps and fire hoses to wash down boats and equipment coated with mussels for inspection and painting.

10%

Performs other duties as assigned.

SKILL AND KNOWLEDGE

Considerable skill is needed to operate heavy engineering equipment over all types of terrain. Considerable hand, foot, and eye coordination as well as good depth perception and a high degree of concentration are required to perform the operations necessary to grade the surfaces to rough or fine specifications. Knowledge of the purposes and limitations of a variety of attachments is also required. The boom crane operator must be able to compensate for changes in the lifting capacity of the crane caused by variations in the angle of the boom, length of the boom, position of the revolving frame and the slope of terrain. Must be able to determine weight of loads so the lifting capacity is not exceeded. Must be skilled in the use of clutches, levers, brakes, and accelerator to raise and lower the boom. Must be able to position the revolving frame to raise and lower the hoist line with the load, and move the mobile base. Must understand the use of outriggers.

RESPONSIBILITIES

Works under the supervision of Chief, Fox River Operations with day to day work assignment and direction from a higher graded Engineer in the section. Operates largely without direct supervision following oral or written instructions. Receives instructions from supervisor and/or higher graded engineer. Makes independent judgments and decisions within the framework of oral or written

instructions, allotted time for performing work and accepted methods, techniques and procedures. Selects the tools to use and the sequences of work. On more difficult work efforts obtains additional information or decisions needed from supervisor and/or higher graded engineer and reports work status and causes of any significant delays. Follows safety rules and supervisor's instructions on work sequence, procedures, method and deadlines to be met. Supervisor checks to see that completed work meets requirements.

PHYSICAL EFFORT

Heavy physical effort is used by engineering equipment operators in constantly reaching, bending, turning, and moving hands, arms, feet, and legs to handle different sets of controls to operate the equipment and attachments. Considerable strain is caused by the constant vibration of the equipment. Because of the location of some of the controls and attachments, the operators are frequently required to work in awkward or strained positions. Moderate to heavy physical effort is required, frequently lifting and moving items up to 50 pounds, while loading and unloading cargo, and handling heavy equipment, parts and materials. Heavier loads require lifting team procedures. Works from ladders, scaffolds and on platforms in cramped and hard to reach places. Stands, stoops, bends, kneel and climb, and works in awkward, tiring, and uncomfortable positions. Considerable arm movements in cement finishing, painting and carpentry work. Reaching, bending, turning, or moving hands, arms, feet and legs to operate hand and foot controls on equipment and vehicles and constant arm and leg movements to operate equipment and attachments to compensate for terrain features and to maintain balance and position at the controls.

WORKING CONDITIONS

Heavy mobile wheeled and track loaders, excavators, and skid-steer loader operators primarily work in enclosed cabs in all types of weather on flat or rolling surfaces. Workers operate bulldozers from both open and enclosed driver's seat. The operators are exposed to injury due to the possibility of the equipment overturning. They are subject to noise, vibration, dust, dirt, and fumes from the motor and exhaust. In other duties works inside and outside exposed to all weather conditions, in dusty, dirty, drafty, greasy, oily, damp, muddy, or noisy conditions. Work is field oriented and more than half of work is outside. Worker must be able to work in direct sunlight in 90 degree Fahrenheit temperatures as there is little shade on Corps of Engineers piers and breakwaters. Work may involve walking and working on wet and slippery surfaces extending out into Lake Michigan and requires the utmost attention to wave action and surroundings as there are no protective railings. Wearing of a life jacket is required whenever work is not performed behind railings so as to minimize the risk of falls into the water causing drowning. Travel to and from job sites is by auto or truck and occasionally by boat. Indoor work areas are frequently inadequately heated and cooled. Exposed to dirt, fumes, toxic vapors and spray, disagreeable odors, and dust. Subject to possible serious injury from falls or from hand or power tools used. Subject to cuts, bruises, insect bites and stings, scrapes, burns, infections, and broken bones. Discomfort is experienced while wearing protective equipment and clothing, respirators, goggles, or facemasks. May be required to work uncommon tour of duty. Occasionally work may need to be performed in confined spaces. Worker wearing a safety harness may need to be lowered down by safety winch into the confined space.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption - [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.

- 4. Professional Exemption:**
 - a. Professional work (primary duty)
 - b. Learned Professional, ([See 5 CFR, 551.208.](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
 - c. Creative Professional, ([See 5 CFR, 551.209.](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
 - d. Computer Employee, ([See 5 CFR, 551.210.](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
- 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.

FLSA Conclusion:

- Exempt**
- Non Exempt**

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 511.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

This position is covered by the Civilian Drug Abuse Testing Program. Incumbent is required to sign a DA Form 5019-R "Condition of Employment for Certain Civilian Positions Identified as Critical under the Drug Abuse Testing Program".

Travel up to 75% may be required to accomplish assigned duties.

Obtain and maintain a valid state Class D Driver's license (CDL).

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

BACKGROUND: This is a newly established PD created from PD# GJ389802 used by the Chicago District. Changes to PD was significant enough to warrant a new position description for the Detroit District.

REFERENCES:

- a. OPM JGS Engineering Equipment Operator, 5716, Jan 69
- b. OPM JGS Cement Finisher, 3602, Jan 70
- c. OPM JGS Carpenter, 4607, Apr 94
- d. OPM JGS Painter, 4102, Nov 69
- e. OPM JGS MAIN MECH, 4749, MAY 74

SERIES AND TITLE DETERMINATION: The duties assigned to this job involve a variety of trade practices, requiring the application of more than one trade practice. The highest level of regular and recurring work is performed under reference 1a. The series and title is determined to be an Engineering Equipment Operator, WG-5716.

GRADE DETERMINATION: This job was evaluated against the first four referenced Job Grading Standards (references. a. through d.). The 4749 Maintenance Mechanic standard (ref. e.) was considered, but not used. The 4749 standard covers work that varies in the combination of trade practices that are performed in many different work situations throughout the federal service. Despite the variety of combinations performed in this position, the work requires the application of MORE THAN ONE trade practice AND the highest level of work performed in AT LEAST TWO of the trades involved. It has been determined that the 5716 is highest level (WG-10) work and no other trade work supports the same level.

ENGINEERING EQUIPMENT OPERATOR (WG-5716) - Skills and knowledge now described in reference a. Regular recurring work involves operating several types of heavy equipment to excavate, backfill, grade or level earth to specifications, breaking new ground for trails and gravel roads for vehicles and equipment. Operators must operate close to trees, drop-offs and rocks at several District operating facilities. Must demonstrate ability to operate heavy mobile front end-loader to carefully pile 3 to 18 ton armor stones into safe, stable piles up to 12 feet high. Must, be able to retrieve 3 to 18 ton armor stones from rock piles as high as 25 feet, transport them and set them carefully down on dirt or gravel surface to minimize the creation of cracks or fractures in the stones resulting from strong impacts. During the retrieval process, the worker must decide when to remove individual stones from the rock piles to maintain pile stability in order to prevent hazardous condition such as the falling of stones from the piles. Worker must also demonstrate knowledge of the theory of weight distribution between wheels and tracks of all equipment. Utilizes proper methods of carrying weights going up and down inclines with both pieces of heavy mobile and engineering equipment. Worker must demonstrate knowledge of pre and post operation equipment checks, safe refueling procedures, understanding of standard hand signals and lifting/weight restrictions for the equipment. skilled in handling controls for starting, stopping, backing, lifting, lowering and tilting by moving hands, arms, feet and legs to operate controls. Worker must demonstrate ability re-grade a crane loading dock to make it level for safe operation. Perform near a steel reinforced concrete dock wall drop-off, but it is not performed when any other hazards are present, such as adverse conditions (poor visibility) or other moving traffic (crane loading operations). Demonstrates ability to operate track loaders and excavators to clear steep jagged former Lake Michigan shoreline areas consisting of high mounds of buried concrete debris and trees/tree stumps and construct berms to specifications (typically 10 feet high and several hundred feet long) along the confined disposal facility perimeter. Demonstrate ability to operate compact track loader with various attachments to precisely grade/construct gravel roadways in uneven and muddy terrain. When the skid steer loader is operated on a deck barge, worker must be aware of and compensate for a shifting vessel deck to occasional wave action from passing vessels. EVALUATED AT WG-10 LEVEL.

CEMENT FINISHER SERIES (WG-3602) - Exceeds the WG-06 cement worker level as described in reference b. but does not meet the WG-08 cement finisher level. Work involves final finishing of cement and concrete, but typically final finish required is a smooth or broom finish. Work typically does not include special finishes, precise measurements, or curved lines. Must have good knowledge of the work methods, sequences and techniques of cement work to repair walkways, roadways, and

boat ramps. Worker must know when cement is sufficiently vibrated to eliminate bubbles and must have knowledge of how to apply bonding additives between old and new concrete. This worker must have the knowledge of various final finishing tools and techniques. Worker must perform preliminary concrete finish at proper times according to mixture and setting time in accordance with the desired texture/friction finish. Worker must be skilled with tools of the trade including use of squares and bubble levels to establish desired slopes, grades or horizontal surfaces and finishing implements: floats and trowels. This worker must be skilled in basic types of final cement finishing including smooth and broom finishes. Worker must have the abilities to remove broken or spalled concrete areas using concrete saws and pneumatic jack hammers; build and set forms; install reinforcement material to obtain maximum strength; operate a cement mixer to get a consistent mix; pour/spread concrete; and use concrete floats and vibrators.

EVALUATED AS WG-07 LEVEL WORK.

CARPENTRY WORK (WG-4607) - Evaluated as Carpentry Work as described in reference c. Skills and knowledge required are less than described in reference d. for WG-07 level. Must have knowledge of various woods used for framing, construction, forming and structural (weight) support. Worker must have knowledge of basic carpentry and construction methods used for bracing and attaching wood and metal support posts to signs and installing them at various Corps of Engineers projects. Worker must have knowledge of assembly and disassembly method of wood and metal stairway scaffolding. Worker must have basic carpentry skills to measure & cut proper lengths or angles, construct square & perpendicular connections, and drill precision holes into wood, rubber, plastic or metal materials. Precisely spaced straight drilled holes are necessary for attaching rubber seals and wood/plastic blocks to lock dewatering bulkheads and lock gates. This worker performs all special part fabrication for small boat trailers, sign and lock equipment. Worker must demonstrate ability to operate portable equipment and power tools such as saws, drill presses, power impact hammers, sanders, and other similar equipment.

EVALUATED AS CARPENTRY WORKER AT THE WG-06 LEVEL.

PAINTING WORK (WG-4102) - Evaluated as Painting Worker at the WG-07 level as described in reference d. Must know how to remove scale, corrosion, rust, dirt, grease and old paint from surfaces. Worker must have knowledge of woods, rubber, metals and plastics/fiberglass and the paints/coatings used to protect and preserve each material from deterioration & corrosion. Worker has knowledge of all safety requirements for handling solvents, painting from scaffolding, operating fire pumps and refueling them. Must have skill to spread paint evenly on various surfaces using brushes, rollers or pads with no streaks, skips or drips. Worker must be able to paint a straight line and edge the work. Worker must have skill to cut-in or "feather in" touch up paint. This worker has skill to apply multiple coat epoxy paints to lock bulkheads and fiberglass boats. Must have the ability to read and follow directions on coating and solvent labels. Worker must have ability to prepare surfaces by sanding, wire brushing and scraping, mix/thin paint to proper consistency, prime surfaces and perform clean up.

EVALUATED AS WG-07 LEVEL WORK.

FINAL CLASSIFICATION: Engineering Equipment Operator, WG-5716-10.



ARMY POSITION DESCRIPTION

PD#: RE3479Z

Sequence#: 5082881

Replaces PD#:

OILER - DECKHAND

XF-5323-08

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0E11
US ARMY ENGINEER DISTRICT, CHICAGO
OPERATIONS DIVISION
LAKE MICHIGAN PROJECT OFFICE
HARBORS MAINTENANCE SECTION
LAKE MICHIGAN FLOATING PLANT
CHICAGO, IL 60606 H6R0E11

Command: CE

Directorate: USACE HRD

Command Code: CE
US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: HNDBK OCC GROUPS & FAMILIES, OILING & GREASING, SERIES 5323, AUGUST 2001

Citation 2: OPM JGS, DEF. OF TRADES AND LABOR, WG-5788, SEP 86

Citation 3: DEPARTMENT OF THE ARMY MANUAL OF EVALUATION STANDARDS (FLOATING PLANT) 1961

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: KEVIN J. KWASNY

Date Certified: 11/04/2024

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: MARIE T. STRUM

Date Classified: 05/31/2013

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the*

title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: IVELISSE ALBARRACIN

Date Reviewed: 08/06/2021

<p>POSITION INFORMATION: Program & Project Mgmt Coding Level: FLSA: NON-EXEMPT FLSA Worksheet: NON EXEMPT FLSA Appeal: NO BUS Code: 3693 DCIPS/CES PD: NO</p> <ul style="list-style-type: none"> • Mission Category: • Work Category: • Work Level: <p>Functional Code: 00 Interdisciplinary: NO Supervisor Status: Non-Supervisory PD Status: VERIFIED DCA Override: NO</p>	<p>CONDITION OF EMPLOYMENT: Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE) Financial Mgmt Cert: Position Designation: Tier 1 – Non-Sensitive, Low Risk Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk Sec. Clearance Level: Not Required Sec. Access (Child Care): Not Required PRP/SCI: Not Required Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key] Requires Access to Firearms: NO Influenza Vaccination: NO Financial Disclosure: N/A Enterprise Position: SCW Code: Acquisition Position:</p> <ul style="list-style-type: none"> • CAP: • Career Category: • Career Level: <p>Cyber Workforce:</p> <ul style="list-style-type: none"> • Primary Work Role/Prof Lvl: / • Additional Work Role 1/Prof Lvl 1: / • Additional Work Role 2/Prof Lvl 2: / <p>SPeD Certification(s):</p>	<p>POSITION ASSIGNMENT: Competitive Area: H6 Competitive Level: 0001 Career Program: 17 Career Ladder PD: NO Target Grade/FPL: 08 Career Pos 1: Career Pos 2: Career Pos 3: Career Pos 4: Career Pos 5: Career Pos 6:</p>
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POSITION DUTIES:

CL:0001

SUPERVISORY CONTROLS

Under general supervision of the Master or Chief Engineer, serves as Oiler-Deckhand aboard powered vessels displacing up to 325 tons engaged in waterway maintenance on the Great Lakes. Primary duty is in engine room with secondary duty as deckhand when needed. During primary duties, worker receives detailed instructions concerning the moving parts to be lubricated and

thereafter are expected to perform the work subject to intermittent inspection. During secondary duties, worker performs work involved in the maintenance and repair of the boat, making and breaking tows, and general housekeeping aboard the boat.

1. Oils and greases diesel engines, electric motors, generators, pumps, beating, gears, shafts, and other machinery and equipment aboard the vessel. Selects correct type of grease and oil required for the various machinery and equipment. Wipes excess oil and grease from machinery and equipment to maintain cleanliness. Changes oil filters. Inspects machinery and detects any overheating of bearing, brakes, or clutches, leaks in piping, or other hazards that may develop. Makes minor adjustments when required. Identifies and uses the different types of lubricants to be applied to various parts of machinery.

25%

2. Under direction of Master or Engineer operates main engine and auxiliary equipment including pumps, generators, air compressors, and other machinery such as winches or small auxiliary engines, including all deck equipment.

25%

3. Assists in making any general repairs aboard the vessel, including repairs to machinery and equipment. During the lay-up season may assist higher-graded crew members with repairs and the overhauling of equipment and machinery. Dismantles the main engine, auxiliary engine, pumps, compressors, generators and other machinery as required. Cleans, makes minor repairs, replaces parts and makes adjustments as directed. Reassembles equipment/machinery using common hand/power tools.

20%

4. When required, handles mooring lines when docking, fastening lines to mooring post or to towing pits and over deck and dock ballards. Splices and cares for manila and wire rope, makes hitches, rope fenders, etc., and performs light rigging.

15%

5. Performs general vessel maintenance duties and keeps boat in ship-shape condition. Maintains, repairs, cleans, and paints the deck, hull, super-structure, and storage areas. Prepares to be painted by removing old paint utilizing tools and methods of choice or those assigned, including but not limited to, sandblasters, grinders, scrapers, sanders, and chemicals, and applies prime and finish coats to house, hull, doors, furniture, and equipment utilizing brush, roller, or spray equipment. Keeps lines, tools, paint brushes, etc., clean and in proper places.

10%

6. Operates auxiliary launch or other small boats engaged in surveying or other maintenance operations. Obtains channel depths by using lead line or sounding poles.

5%

Performs other duties as assigned.

EXPERIENCE AND TRAINING

Ability to operate deck engines and towing winches.

Knowledge of power and hand tools, such as pressure grease guns, grinders, sanders, paint chippers, scalers, pipe threader, drills, chain hoist, jacks, calipers, rules, gages, etc., in order to perform maintenance and minor repair duties.

Knowledge of steam plant operation, heavy duty compound steam engines, or turbines with at least two multiple cylinder diesel engines.

Ability to read and interpret thermometers, gauges, and similar engine room indicating instruments.

RESPONSIBILITY

Works under general supervision of the Master or Chief Engineer, who issues verbal instructions

concerning work to be performed. Work is periodically checked by supervisor to ensure compliance with job requirements. Supervisor is responsible for information or instructions on new or unusual tasks but routine tasks are performed independently. Incumbent is required to make sound judgments when engaged in engine room activities and is responsible for the proper inspection and lubrication of machinery, which includes cleaning and caring for all tools, materials and equipment. Work is evaluated during or upon completion to ensure compliance with instructions and standard maritime practices.

MENTAL APPLICATION

Incumbent is required to continuously check gauges and to ensure engine parts are properly lubricated and to determine if there are any abnormal operating conditions to moving machinery.

PHYSICAL EFFORT

Position requires light to moderate physical effort to include repeated bending, walking, climbing, and standing for long periods of time and lifting and carrying 50 lbs or more. Occasional strenuous physical effort when moving heavy parts, operating chain hoists, pry bars, or when sledge hammering, etc.

WORK CONDITIONS

Work is performed inside and outside, exposing incumbent to all types of weather conditions, including excessive heat, cold, humidity, and dampness. Incumbent is exposed to fumes, smoke, gases, solvents, and electrical energy. Works on slippery and uneven walking surfaces and around machinery with moving parts. Danger of drowning exists in case of accident.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption – [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.

- 4. Professional Exemption:**
 - a. Professional work (primary duty)
 - b. Learned Professional, ([See 5 CFR, 551.208.](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
 - c. Creative Professional, ([See 5 CFR, 551.209.](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
 - d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or

program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).

5. Administrative Exemption:

- a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.

FLSA Conclusion:

Exempt

Non Exempt

FLSA Comments/Explanations:

Not Listed

CONDITIONS OF EMPLOYMENT & NOTES:

1. This position is covered by the Civilian Drug Abuse Testing Program. Incumbent is required to sign a DA Form 5019-R "Condition of Employment for Certain Civilian Positions Identified as Critical under the Drug Abuse Testing Program".

2. This position requires the incumbent to lift and carry materials weighing 50 pounds or more and will require a pre-employment physical exam.

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

08/06/2021 - Reviewed PD upon recruitment and updated new signature blocks IAW CHRA formatting guidance. Ivelisse Albarracin, Classification Specialist

12/9/2019 - Reviewed PD upon recruitment and updated new signature blocks IAW CHRA formatting guidance; made minor grammatical/administrative corrections. Debora Pierce, Classification Specialist

Pen and ink changes made to PD to include correct citation(s), grade determination, formatting, Supervisory Controls, FLSA determination and added missing evaluation statement.

REFERENCES:

- a. HNDBK OCC GROUPS & FAMILIES, OILING & GREASING, SERIES 5323, AUGUST 2001
- b. DEPARTMENT OF THE ARMY MANUAL OF EVALUATION STANDARDS (DAMES) JOB FAMILY FOR FLOATING PLANTS, 1961
- c. OPM JGS, DEF. OF TRADES AND LABOR, SEP 86
- d. FWS JOB GRADING SYSTEM, TS44, SEP 1981

SERIES AND TITLE DETERMINATION: Multiple citations were used to determine the series and title of this position. The occupation is identified in reference a. and was used for determining the series; reference c. was reviewed to determine the title of the position, but are not a key ranking job assigned in for grading purposes. The basic title of the job requires the performance of work in two

occupations (Oiler and Deckhand) and is considered a mixed job. The job title selected for the position is OILER-DECKHAND which fully describes the highest skill and knowledge requirement for the position. The series and title are 5323. OILER-DECKHAND.

GRADE DETERMINATION: The Wiper-Oiler and Deckhand (Towboat and Tug) duties and responsibilities of this job are considered to substantially match typical duty assignments in reference b. and with reference c. was used for determining the grade of the position. The basic method for grading nonsupervisory and non-licensed jobs is to determine the jobs purposes and relationship to other jobs, analysis of work done and its requirements; and to determine the correct grade comparison with grade definitions in an appropriate job grading standard. Reference b. is the only active standard available to support the grade level of this position. The standard uses factors such as Experience, Responsibilities, Physical Demand and Working Conditions (listed in Major Duties) to grade the job and these factors are comparable to the general factors listed in reference d. The main duties of the Oiler position is graded higher than the Deckhand duties and this grade is used to represent the most appropriate grade value.

Standards for Wage Board Jobs, uses five factors in evaluating non-supervisory blue collar jobs: 1) Experience and Training, 2) Responsibility, 3) Mental Application, 4) Physical Demand, and 5) Working Conditions. These five factors cover a total of ten elements with a specific point value assigned to each and the reviewer has credited the evaluation elements, as follows:

Factor I: Experience & Training - Element 1 and 2 = 160 points (Minimum of 6 mo service at sea as Oiler or like position; USCG certified; Training in engine room equipment, etc.)

Factor II- Responsibility - Element 3, 4 & 5 = 170 (General Supervision of the Chief, Engineer; responsible for inspection and lubrication of expensive machinery; and accountable for tools; Observes all safety regulations.)

Factor III: Mental Application - Element 6 & 7 = 80 (continuous concentration with visual and hand/foot coordination required around moving machinery.)

Factor IV: Physical Demands - Element 8 = 140 (Light to moderate physical effort required; strenuous effort occasionally)

Factor V: Working Conditions - Element 9 = 170 (unpleasant and disagreeable environmental conditions in hazardous conditions which could cause injuries, serious mishaps and/or possible death.

TOTAL POINTS = 720

XF-08 POINT RANGE: 705-764

Position grade is XF-08

FINAL CLASSIFICATION: XF-5323-08, OILER-DECKHAND



ARMY POSITION DESCRIPTION

PD#: RE624220

Sequence#: 5255361

Replaces PD#:

SMALL CRAFT OPERATOR

WG-5786-09

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6H4P30

Command: CE

US ARMY ENGINEER DISTRICT, CHICAGO
PLANNING, PROGRAMS & PROJECT MGMT DIV
PLANNING BRANCH

FISHERIES ASSESSMENT & MONITORING
SECT

CHICAGO, IL 60606 H6H4P30

RECEW2SM06H6H4P30

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM
FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS SMALL CRAFT OPER, 5786, SEP 86

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: NICHOLAS A. BARKOWSKI **Date Certified:** 12/18/2024

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: JOANNA T. BIERY

Date Classified: 01/06/2024

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all*

outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By:

Date Reviewed:

POSITION INFORMATION:

Program & Project Mgmt

Coding Level:

FLSA: NON-EXEMPT

FLSA Worksheet: NON EXEMPT

FLSA Appeal: NO

BUS Code: 3693

DCIPS/CES PD: NO

- **Mission Category:**
- **Work Category:**
- **Work Level:**

Functional Code: 00

Interdisciplinary: NO

Supervisor Status: Non-Supervisory

PD Status: VERIFIED

DCA Override: NO

CONDITION OF EMPLOYMENT:

Drug Test Required: POSN FUNC REQUIRES DRUG TEST FOR REASONS NOT SPECIFIED BELOW

Financial Mgmt Cert:

Position Designation: Tier 1 – Non-Sensitive, Low Risk

Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk

Sec. Clearance Level: Not Required

Sec. Access (Child Care): Not Required

PRP/SCI: Not Required

Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key]

Requires Access to Firearms: NO

Influenza Vaccination:

Financial Disclosure: N/A

Enterprise Position:

SCW Code:

Acquisition Position:

- **CAP:**
- **Career Category:**
- **Career Level:**

Cyber Workforce:

- **Primary Work Role/Prof Lvl:** /
- **Additional Work Role 1/Prof Lvl 1:** /
- **Additional Work Role 2/Prof Lvl 2:** /

SPeD Certification(s):

POSITION ASSIGNMENT:

Competitive Area: H6

Competitive Level: 000Y

Career Program: 24

Career Ladder PD: NO

Target Grade/FPL: 09

Career Pos 1:

Career Pos 2:

Career Pos 3:

Career Pos 4:

Career Pos 5:

Career Pos 6:

POSITION DUTIES:

CL: 000Y

Works under general supervision of the Chief of Fisheries and Monitoring Section in Chicago District, receiving minimal oral or written instructions to carry out missions on a 32-ft. sediment sampling vessel. Operates a sediment sampling survey launch that is greater than 26 feet in length, with a 4-foot extension, engine protection bar. The launch is equipped with twin outboard engines having up to 300 H.P. total, a 32 H.P. generator, a hydraulic boom crane and a passenger and cargo capacity of up to 4,500 pounds. Requires knowledge of the load capability of the launch which varies with the type of load and wind/weather conditions. Operates the launch in waterways with danger areas,

limited sight distance, shallow harbors and narrow channels in all seasons and weather conditions except during freeze-up and major storms. Is required to transport survey party members and equipment to and from work sites. Will be required to transport the vessel launch by trailer from one port to another using a government truck. Drives and backs the truck with boat/trailer in traffic, over highways and uneven roads and grounds, and in narrow or crowded areas. Carefully applies hydraulic and/or electric brakes to prevent slipping, tipping, or jackknifing. These trips may be of a short distance (10 miles) or of longer distances, up to 600 miles with overnight stops in between. On shorter trips, may transport the boat by open water. Launch is equipped with navigation equipment used during all phases of operation. Ensures at least one other crewmember is properly trained in the operation/maintenance/towing and caring of the survey launch. Operator must have at minimum an Operator of Uninspected Passenger Vessel Coast Guard Captains License with a Radar Observer endorsement and have a good working knowledge of the rules of the road, such as identification and proper actions of the stand-on and give-away vessel in crossing situations and when and how to execute changes of course or speed, and to best advise other vessels of the operator intent. Keeps launch properly fueled, which requires the storage, handling, and transfer of fuel cans from truck to boat. Operator must have knowledge of engines and control operation.

1. During sediment surveys, work is performed in areas ranging from open waters (several nautical miles outside harbor breakwaters) to very confined areas in smaller rivers (100 feet from bank-to-bank). Monitors weather radio for changes in weather which could affect safe operation of the launch. Notifies crew members when sea conditions are becoming unsafe for operating. Operator is required to maintain a constant watch for ship/boat traffic during sounding operations. Traffic will be moderate and range from commercial ships 600 ft to 1000 ft in length to small recreational boats. Warns approaching vessels of sediment survey operations and directs/accommodates the movement of traffic around the work site. This is accomplished by either visual techniques (hand signals) or by marine VHF radio, requiring proper communication vernacular. Also uses appropriate marine VHF radio to contact bridge tenders to request the bridge to be lifted to allow safe passage. While using a left/right steering indicator from a computer using Global Positioning System (GPS), navigates the launch on a predetermined course using HYPACK (visually or aided by compass/GPS) and taking into account current weather/sea conditions, maintaining a constant vessel speed, with deviation from course within allowable USACE standards. Predetermined course may be either upstream/downstream or across the channel, which increases potential safety hazards. Must be able to operate electrical equipment such as, but not limited to, a generator, VHF radios, depth sounders and adjust them for proper operation. As needed, operator navigates the launch to come along other vessels, including other USACE floating plant (tugs and derrick barges). These maneuvers require the operator to respond to propeller effect at low speeds, tendency to carry headway, the pivoting effect of rudder movements during turns, the effect of leeway due to high winds and seas and course disruptions due to wave actions. Operator has knowledge of local weather patterns and sea conditions and tendencies to ensure a proper course to shelter and safe harbor when conditions turn hazardous. In smaller rivers, extreme care must be used to avoid damage to launch from hitting concrete/sheet pile dock, boat dock piers, which includes propeller damage from striking bottom, and damage to private recreational vessels moored along the Federal channel. May be required to record the readings and other data in a field book and maintain watch for other vessel traffic as stated earlier in this paragraph.

60%

2. During the normal working season, performs preventative/operator maintenance on vessel and its mechanical equipment such as cleaning, greasing and oil changes, which includes the trailer. Recognizes improper operation in order to secure repairs or adjustments, noting same and reporting maintenance or repair work required. During the off-season performs operational repairs and lubrications to the survey launch vessel and its equipment, which includes the trailer. Ensures all required safety equipment is onboard and is in proper working condition. Will submit a proposed list of needed repairs annually.

30%

3. Assists with boat operation and maintenance of vessels less than 26 ft. throughout the Chicago District as needed. This includes, but is not limited to, assisting in the operation and maintenance of electrofishing boats, small john boats, and other various survey vessels. Maintain the storage facility that boats are kept in by ensuring appropriate deliveries of services and ensure the facility is compliant based on USACE Safety Inspection Standards.

10%

Performs other duties as assigned.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption -** (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption -** (Note: Puerto Rico and certain other locations do not qualify for this exemption – [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.

- 4. Professional Exemption:**
 - a. Professional work (primary duty)
 - b. Learned Professional, ([See 5 CFR, 551.208.](#)) (Registered Nurses, Dental Hygienists, Physician’s Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
 - c. Creative Professional, ([See 5 CFR, 551.209.](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
 - d. Computer Employee, ([See 5 CFR, 551.210.](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
- 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.

FLSA Conclusion:

- Exempt**
- Non Exempt**

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 511.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

1. This position requires a minimum of an Operator of Uninspected Passenger Vessel Coast Guard Captains License with a Radar Observer endorsement.
2. This position requires a valid motor vehicle operator's license prior to appointment and maintain the license for the duration of employment.
3. This position requires a valid Class A Commercial Driver's License for the state of Wisconsin, Illinois, or Indiana prior to appointment and must maintain the license for the duration of employment.
4. Must be able to obtain COE Small Craft Operator License Corps of Engineers survey boat operators license or US Coast Guard equivalent within six months of appointment.
5. This position requires Temporary Duty Travel (TDY) over 25% of the duty time.
6. This position is covered by the Civilian Drug Abuse Testing Program. Incumbent is required to sign a DA Form 5019-R "Condition of Employment for Certain Civilian Positions Identified as Critical under the Drug Abuse Testing Program".
7. This position requires a physical exam.

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

BACKGROUND: Position to be established as Small Craft Operator and placed in the WG-5786 series. Designated title is Small Craft Operator.

REFERENCE:

1. OPM JGS Small Craft Operating, 5786, TS-51 September 1986

SERIES AND TITLE DETERMINATION: Position is placed in the WG-5786 series with a designated title of Small Craft Operator.

FACTOR I: EXPERIENCE & TRAINING:

- (1) Experience: Must possess a motorboat operators certificate, have a working knowledge of the upkeep of the motor, and have the ability to handle craft in waters to be navigated with skill and safety. Normally, this requires 6 months previous experience on boats of similar or larger class.
- (2) Education: Must be able to read, write, and speak the English language.
- (3) Training: Receive training in such duties as maintaining schedule for transportation of supplies and personnel, and methods of making operating repairs to the launch.

FACTOR II: RESPONSIBILITY:

- (1) Supervision received: Operators receive instructions from the Chief of Fisheries Assessment and Monitoring Section as to the time and place to pick up personnel and materials, and the points of delivery; the areas to be covered and the points to be visited on inspection trips; the areas to be sampled and the courses to be followed when taking samples. Boat operators are responsible entirely for operating, navigating, and maneuvering the boat; for determining and following courses when making inspection trips; and when taking samples, for maintaining exact courses and speeds in swift or shallow water and under difficult weather conditions.
- (2) Supervision exercised: Operators may supervise one deckhand, but the presence or absence of

this supervision does not affect the rating of this factor.

(3) Tools, materials, and equipment: Operators are responsible for the proper care of the boat and all equipment thereon.

(4) Safety: Operators are responsible for enforcing all safety regulations and for operating the boat in such a manner as to prevent accidents resulting in loss of life of the passengers carried.

FACTOR III: MENTAL APPLICATION:

These workers must give continuous attention to the condition of the boat and must be constantly alert to the safe operation of the boat in traffic and to the safety of the passengers. When operating with survey parties, must give continuous attention and maintain constant alertness toward keeping the boat on assigned ranges at a definite speed as designated by the party chief. On some reaches where sediment work is being performed, some difficulty is experienced in this maneuvering due to wind, wave action, and various current conditions. Distances involved may be as much as 100 miles from the homeport, and trips may be made in all kinds of weather and at night, requiring extreme mental alertness.

FACTOR IV: PHYSICAL DEMANDS:

Physical effort is expended when steering vessels, loading and unloading supplies and materials, and making repairs and adjustments to the engine and hull.

FACTOR V: WORKING CONDITIONS:

Operators work in an enclosed cabin when steering vessel. They work on deck and in cramped quarters, when making repairs to deck and engine. There is exposure to traffic hazards, especially in foggy weather and at night; and there is danger of falling overboard and drowning.

FINAL CLASSIFICATION: This job substantially matches Bmk Description No. 5, and is classified as Small Craft Operator, WG-5786-09.



ARMY POSITION DESCRIPTION

PD#: REIMTS0010

Sequence#: 2744098

Replaces PD#:

LOCK AND DAM OPERATOR

WY-5426-09

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0D20
US ARMY ENGINEER DISTRICT, CHICAGO
OPERATIONS DIVISION
WATERWAYS PROJECT OFFICE
CHICAGO HARBOR LOCK & DAM

Command: CE

CHICAGO, IL 60606 H6R0D20

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS L/D OPER, 5426, SEP 74

Citation 2: OPM JGS MAIN MECH, 4749, MAY 74

Citation 3: OPM JGS LABORER, 3502, DEC 96

Citation 4: OPM JGS WELDER, 3703, MAY 74

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: KYLE J. ZUGEL

Date Certified: 02/19/2026

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: LEONA VILMONT

Date Classified: 09/06/2011

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the*

title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: NICOLA C. DAVIS

Date Reviewed: 02/14/2025

<p>POSITION INFORMATION: Program & Project Mgmt Coding Level: FLSA: NON-EXEMPT FLSA Worksheet: NON EXEMPT FLSA Appeal: NO BUS Code: 3693 DCIPS/CES PD: NO</p> <ul style="list-style-type: none"> • Mission Category: • Work Category: • Work Level: <p>Functional Code: 00 Interdisciplinary: NO Supervisor Status: Non-Supervisory PD Status: VERIFIED DCA Override: NO</p>	<p>CONDITION OF EMPLOYMENT: Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE) Financial Mgmt Cert: Position Designation: Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk Sec. Clearance Level: Not Required Sec. Access (Child Care): Not Required PRP/SCI: Not Required Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key] Requires Access to Firearms: NO Influenza Vaccination: NO Financial Disclosure: N/A Enterprise Position: SCW Code: Acquisition Position:</p> <ul style="list-style-type: none"> • CAP: • Career Category: • Career Level: <p>Cyber Workforce:</p> <ul style="list-style-type: none"> • Primary Work Role/Prof Lvl: / • Additional Work Role 1/Prof Lvl 1: / • Additional Work Role 2/Prof Lvl 2: / <p>SPeD Certification(s):</p>	<p>POSITION ASSIGNMENT: Competitive Area: H6 Competitive Level: 0000 Career Program: 18 Career Ladder PD: YES Target Grade/FPL: 09 Career Pos 1: REIMTS0009 WY-5426-07 Career Pos 2: REIMTS0008 WY-5426-05 Career Pos 3: Career Pos 4: Career Pos 5: Career Pos 6:</p>
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POSITION DUTIES:

NOTE: THIS IS AN INLAND MARINE TRANSPORTATION SYSTEM (IMTS) STANDARDIZED POSITION DESCRIPTION. CHANGES TO THIS POSITION DESCRIPTION REQUIRE THE APPROVAL OF THE IMTS Working Group. REQUESTS FOR CHANGE SHOULD BE SUBMITTED TO THE OFFICE DESIGNATED TO PROVIDE HR SUPPORT TO THAT GROUP.

A long-term IMTS goal is for all Lock and Dam Operators (LDOs) to be certified through the LDO training and certification program.

SUPERVISORY CONTROLS

Supervision over the job is by the Lockmaster and/or Assistant with major portion of job being performed with no on-site supervision. Works as a shift head lock and dam operator at a Corps of Engineers navigation facility within the Inland Marine Transportation System (IMTS). Is immediately responsible for site installation operations during second, third or swing shift or on leave days. Operates electrically, electronically, and/or hydraulically controlled lock or lock and dam gates, control valves, and other associated equipment required for passage of a variety of private and commercial traffic through the lock structure and the maintenance of required pool levels. Where applicable, operates wicket dam equipment. Performs and/or directs other installation, repair and maintenance tasks requiring application of craft or trade skills and knowledges.

MAJOR DUTIES

Work consists of all or most of the following duties:

1. During shift operation exercises primary authority over use of lock through issuance of instructions to tow boat captains and other craft operators, setting of precedence of entry, and through maintaining proper procedural operation. Serves alone or as responsible lead man of two-man crew responsible for making lockages. Handles bow or stern lines, walks lines to proper locations along wall and snubs lines to assist pilot in maneuvering craft into position. Secures lines on wall. Operates electrical, electronic, and/or hydraulic gate controls to open and/or close gates at one end of lock chamber. As necessary during operation removes debris or ice in path of moving gates or in lock wall recesses to avoid equipment or machinery damage. Operates electrically, electronically, and/or hydraulically controlled valves controlling flow of water for emptying and filling operations, and as necessary during double lockages operates electric tow haulage unit to move barges into and out of lock chamber. Observes weather conditions, condition of craft desiring entry, etc., to determine propriety of entry from safety standpoint. Operates controls necessary to provide for by-pass of defective circuits controlling lock operation. Operates light and horn signals to vessels entering or leaving lock chamber. Operates electrical or electronic controls to raise or lower dam gates in accordance with specific instructions and/or own judgment. Operates radio for voice communication with tows or other craft. Obtains and/or directs others to obtain and record required statistical data relative to each lockage. At the Florida locks, may be required to have a working knowledge of the Manatee Protection System (MPS), maintaining and monitoring the MPS, providing data to Biologist and District Staff ensuring the safety as well as safe passage for manatees and other wildlife. May be required to raise and lower wickets based on site specific facilities.

60%

2. Performs continuing and/or special operational or functional checks on machinery to avoid untimely or dangerous equipment breakdown, and identify when possible, development of unsafe situations. Takes steps to remedy and/or reports it to supervisor. Personally performs, assists in and/or directs journeyman or sub-journeyman work accomplishment. Tasks include installation, repair, and maintenance of lock and dam machinery, and equipment of mechanical or electrical type; carpentry or plumbing required for minor construction or repair and maintenance; concrete work, welding, painting, cleaning, etc. Functions in similar manner relative to maintenance crews performing major work on lock and dam and appurtenant structures. Receives training in and/or operates electrical locomotive boom crane located on dam service bridge for purposes of moving heavy machinery parts and maintenance items between service bridge and barges or trucks. Operates smaller crane/bulkhead hoist/etc. for placing bulkheads. Operates stiff leg derricks.

30%

3. Performs seasonal duties such as grass cutting, trimming, gardening; snow shoveling, clearing ice; as well as janitorial tasks such as cleaning control house and lock building, restroom facilities, standby equipment, etc. Performs duties related to flood preparation and cleanup. Operates equipment such as but not limited to: pick-up truck, dump truck, forklift, front-end loader, bulldozer, tractor, motorboat, and pontoon boat.

10%

PERFORMS OTHER DUTIES AS ASSIGNED

SKILL AND KNOWLEDGES

Skills, knowledges, and/or abilities consist of all or most of the following:

1. Knowledge of established policies and procedures governing use of locks and the ability to tactfully exercise this authority during shift operations.
2. Ability to direct others in the performance of duties required for performance of lockages as well as variety of tasks requiring application of craft and trades skills and knowledges.
3. Ability to judge proper location along lock wall for securing craft, and skill involved in throwing line to tow; in snubbing line and in securing line to wall.
4. Ability to judge that water level in lock chamber is proper for gate operation.
5. Ability to operate water control valves in a manner so as to avoid undue water turbulence with regard to type of craft in chamber.
6. Ability to properly operate gate controls and to recognize danger of floating or lodged debris and skill to use pike pole to remove debris as necessary.
7. Ability to operate controls and knowledge of sound and light signals issued to craft entering or leaving chamber.
8. Skill in operating tow haulage unit used to move barges into and out of lock during double lockages.
9. Ability to observe weather conditions, apparent condition of craft (damaged, leaking, etc.) and make determination on propriety of entry.
10. Knowledge of electrical by-pass circuitry controls and procedures provided to maintain lock operation during primary circuit malfunction.
11. Skill in operating electrical controls to raise or lower dam gates and ability to follow precise instructions as to time and degree of change.
12. Ability to judge need for independent gate adjustments based on periodic observations of pool level deviations and established allowable deviations.
13. Skill in operating electric locomotive boom crane or other equipment on service bridge for purpose of lifting and moving equipment or machinery and placing as required and in operating smaller crane or other equipment for placing bulkheads.
14. Ability to observe apparent equipment condition, perform equipment checks, and take steps to remedy or report the discovery of questionable situations.
15. Skill in using various manual and/or power tools or appliances such as hammers, wrenches, saws, drills, pliers, paint brushes, mowers, shovels, rakes, screwdrivers, welding equipment, etc.
16. Ability to follow and/or direct others in following sketches, diagrams, written and/or oral instructions necessary for accomplishment of skill and craft type tasks.
17. Knowledge of various materials such as wood, metal, piping, wiring, concrete, etc., used in performing various assigned tasks.
18. Skill in operating a variety of equipment and ability to obtain and maintain appropriate licensing.
19. Ability to complete rescue boat training and operate rescue boat.
20. Where applicable, knowledge of the Manatee Protection System and reporting requirements.
21. Where applicable, knowledge of procedures to safely raise and lower wickets based on site

specific facilities.

RESPONSIBILITY

Shift work is accomplished independently, without immediate supervision, based on previous experience and/or precedence and written or oral instructions necessary for continuity of daily operations from shift to shift. Responsible for directing and/or accomplishing all routine or special lock operating gate operation, and maintenance tasks as assigned and for exercising primary authority over use of locks during work shift when working independently of immediate supervision. Notifies supervisor in event of major operational difficulties. Accomplishes and/or directs skill and craft type work assignments in accordance with previous experience, general instructions, or own initiative. Is responsible for working in safe manner at all times, for using time and materials in efficient manner, for using care in directing and making lockages, and for tactful communication with general public encountered. Observes equipment operation for possible malfunctions or indications of impending problems, assess subordinate reports of same, and takes steps to remedy or report as necessary. Work is spot checked for adequacy and conformance to established policy and procedure during day shift operation and through records and discussion with incumbent during second, third and swing shift work assignments.

PHYSICAL EFFORT

Eye and hand coordination for operating various controls and handling lines while observing traffic and personnel, during crane lifting operations, lifting dam gates, etc. There is standing, stooping, bending, occasional lifting in excess of 50 pounds, stretching, working in cramped positions and spaces, handling or maneuvering bulky items or equipment, and general continuous moderate to arduous physical effort required.

WORKING CONDITIONS

Preponderance of work is performed outside subject to extremes of temperature and weather. There is exposure to injuries associated with working in restricted areas, occasionally cramped and/or uncomfortably hot or cold areas, from falling objects, from working with electrical power tools and wiring or other equipment, from working with normal manual tools and from falls while working on lock walls, dam service bridge, etc. While possibility of drowning exists as result of falls while working around water, hazard is practically eliminated through observance of safety procedures and use of safety equipment. During maintenance operations is occasionally exposed to unpleasant fumes and dust.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
- 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption - [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
- 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.
- 4. Professional Exemption:**
 - a. Professional work (primary duty)
 -

b. Learned Professional, ([See 5 CFR, 551.208](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or

c. Creative Professional, ([See 5 CFR, 551.209](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or

d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).

5. Administrative Exemption:

a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.

FLSA Conclusion:

Exempt

Non Exempt

FLSA Comments/Explanations:

Under 5 CFR 551-204, non-supervisory employees in the Federal Wage System or in other comparable wage systems are non-exempt, unless the employees are subject to 551-211 (Effect of performing different work or duties for a temporary period of time on FLSA exemption status) or 551.212 (Foreign exemption criteria).

CONDITIONS OF EMPLOYMENT & NOTES:

WORK SCHEDULES: This position is located at an IMTS facility. Days of operation and typical daily schedules will vary based on site specific work requirements. Typical schedules may consist of 1, 2, or 3 specific shift schedules. Operators may be required to alternate working hours on all shifts and on weekends, as well as weekdays. Sites with limited commercial use may operate on reduced work schedules. In all cases, work schedules and hours of operation are locally determined based on work requirements.

NOTE: This position meets the criteria for random drug testing under the Department of the Army Drug-Free Federal Workplace Program as supplemented by USACE Pamphlet 600-1-3. Performance of the duties of your position is sufficiently critical that screening to detect the presence of drugs is warranted as a requirement of your position. It is mandatory for your continued employment in this position that you refrain from the use of illegal drugs and submit to drug testing when directed.

NOTE: This is a Mission Essential position and is not subject to administrative dismissal in emergencies based on inclement weather conditions, or other emergency situations, as appropriate. A Mission Essential employee is required to report for, or remain at, work in emergency situations; dismissal or closure announcements do not apply to him/her unless his/her supervisor instructs otherwise.

This position requires a pre-employment physical examination and be enrolled in the medical surveillance program that requires periodic physical examinations.

This position requires the incumbent to lift and carry materials weighing 50 pounds or more and will

require a pre-employment physical exam.

NOTE: Incumbent may be required to have an American Red Cross Standard First Aid card, CPR, and/or AED in good standing and/or wear a prescribed uniform based on site specific requirements.

Incumbent may also be required to have a valid state driver's license based on job-related, site-specific requirements.

NOTE: Incumbent of this position will be required to complete refresher training to maintain certification.

NOTE: Employees are required to observe established safe working procedures. Appropriate protective clothing and/or equipment is provided to minimize or eliminate hazardous conditions, and its use is mandatory.

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

CL: 0004

01/27/2026 - Signature blocks updated at recruitment. N. Davis, Classification Specialist

02/14/2025-Minor formatting and signature blocks updated at recruitment and as part of cursory review. N. Davis, Classification.

10/20/2022 - Reviewed PD upon recruitment, updated new signature blocks IAW CHRA formatting guidance. Amanda Hamilton, Classification Specialist

3/10/2022 - Reviewed PD upon recruitment. Joanna Biery, Classification Specialist

1/21/2022 - Reviewed PD upon recruitment, updated minor spelling errors. Amanda Hamilton, Classification Specialist

7/30/2019 - Reviewed PD upon recruitment and updated new signature blocks IAW CHRA formatting guidance. Shannon Vandal, Classification Specialist

SERIES & TITLE DETERMINATION: Position is classified to the Federal Wage System Job Grading Standard for Lock and Dam Operating, 5426, on the basis that its primary requirement is the performance of duties which permit the passage of river traffic at a Corps of Engineers navigation facility within the Inland Marine Transportation System (IMTS). The job requirements are accomplished by the use of electrically, electronically and/or hydraulically controlled lock and dam gates, control valves, and other associated equipment. Subject job also involves the performance of ancillary maintenance duties associated with the facility and equipment. During times when the locks are closed or when there is no traffic locking through, the incumbent performs a variety of peripheral duties that fall under the general coverage of the maintenance mechanic, laborer, and/or welding Job Grading Standard (JGS). Most of the duties are performed at the helper (WG-5) or intermediate (WG-7/8) levels. This peripheral work would not be required but for the need to lock vessels through the lock structures.

GENERAL: This position description is appropriate for use at Lock and Dam facilities where river traffic is heavy and consists of private and commercial vessels, including commercial tows. The lock and dam gates, control valves, and other associated equipment are electrically, electronically, and/or hydraulically controlled or the dam is a movable wicket type structure. This type of facility and

related equipment is characteristic of the grade 08 level in the JGS for the 5426 series.

SKILLS and KNOWLEDGES: In addition to the knowledge required of Grade 06 operators, Grade 08 operators operate electrically, electronically, and/or hydraulically controlled lock and dam gates, control valves, and other associated equipment required for passage of traffic through the lock structure and the maintenance of required pool levels. At wicket dams, they operate operation equipment, including working from a maneuver boat in swift currents. They also use a variety of hand and power tools, sketches and diagrams, and follow oral instructions in performing repair and maintenance work of lock and dam machinery and equipment. In addition to the skills and knowledge required of the Grade 08 operator position, the incumbent of this job, as the "responsible employee in charge" during the shift to which assigned, must be able to determine the specific actions to take during breakdowns of equipment; delays in operations; accidents, whether or not to stop locking operations; perform or authorize minor repairs; maintain the operations log; reschedule appointments as necessary; and relay information or pass on instructions to the next shift as appropriate. Incumbent is also responsible for the project security during the shift.

RESPONSIBILITY: The operator receives assignments from a supervisor or employee of higher grade level and is responsible for watching controls and machinery to detect malfunctioning. The operator is required to observe and enforce all safety regulations and methods in order to avoid the creation of hazards to themselves and others, and to protect vessels, structures, and equipment from damage. In addition, the incumbent, when engaged in multi-shift operations, may be assigned full onsite shift responsibility for the facility, including locking operations, on a regular and recurring basis. The position does not however meet the criteria established in the JGS's for the supervisory or leader positions. Crediting for this added dimension of responsibility is made in accordance with the provisions stated on JGS 5426, pages 5 and 6, wherein one additional grade above that of the level of locking operations is appropriate and results in a final grade determination of WY-09.

PHYSICAL EFFORT: In addition to the physical effort described at the lower level, operators at wicket dams are required to perform strenuous muscular tasks for short periods of time while raising and lowering bear trap weirs and while placing and removing wickets.

WORKING CONDITIONS: Working conditions are as described for the Grade 08 level in the JGS for the 5426 series.

SPECIAL ADDITIONAL RESPONSIBILITIES: This position is located at a facility that may operate on multiple shift schedules. On night shifts and on weekends, one operator is usually in charge of the complete facility operation. As such, the operator in charge is responsible for following instructions which are supplied in writing from a supervisor or relayed by the previous shift operator. The night operator or weekend operator in charge is, therefore, required to perform additional duties which are more responsible and which require more skill and knowledge than those of the regular day shift operator where a supervisor is available to provide guidance and assistance. The night/weekend operators in charge must be thoroughly familiar with the entire system in order to decide what must be done in a variety of situations. One additional grade may be added to lock and dam operator positions that are assigned shift responsibility on a regular and recurring basis.

CONCLUSION: The duties, skills, knowledge required, responsibility, physical effort, and working conditions for the job match those illustrated in the grading standard for the grade WY-08. The peripheral duties are typically performed at a level below grade 08. The position does match the criteria specified in the JGS for 5426, where one additional grade may be added when shift responsibility is assigned on a regular and recurring basis. Therefore, this additional grade is appropriately added and the position is properly classified as Lock and Dam Operator, WY-5426-09.



ARMY POSITION DESCRIPTION

PD#: RE01851

Sequence#: 5006880

Replaces PD#:

MAINTENANCE MECHANIC

WG-4749-09

POSITION LOCATION:

CHRSC: COE LRD CHRA HRO

Agency: ARMY

Installation: RECEW2SM06H6R0C10
US ARMY ENGINEER DISTRICT, CHICAGO
OPERATIONS DIVISION
UPPER WABASH PROJECT OFFICE
J. EDWARD ROUSH LAKE SECTION

Command: CE

CHICAGO, IL 60606 H6R0C10

Directorate: USACE HRD

Command Code: CE

US ARMY CORPS OF ENGINEERS (EXC CIV PRGM FIN)

POSITION CLASSIFICATION STANDARDS USED IN CLASSIFYING/GRADING POSITION:

Citation 1: OPM JGS MAIN MECH, 4749, MAY 74

Citation 2: OPM JGS PLUMBER, 4206, MAR 69

Citation 3: OPM JGS CARPENTER, 4607, APR 91

Citation 4: OPM JGS PAINTER, 4102, NOV 1969

Citation 5: OPM JGS WELDER, 3703, MAY 74

Citation 6: OPM JGS ELECTRICIAN, 2805, JUN 89

Citation 7: OPM JGS INDUS EQUIP MECH, 5352, NOV 80

Supervisory Certification: *I certify that this is an accurate statement of the major duties and responsibilities of this position and its organizational relationships, and that the position is necessary to carry out Government functions for which I am responsible. This certification is made with the knowledge that this information is to be used for statutory purposes relating to appointment and payment of public funds, and that false or misleading statements may constitute violations of such statutes or their implementing regulations.*

Supervisor's Name: THOMAS D. JACKSON

Date Certified: 02/11/2026

Classification Review: *This position has been classified/graded as required by Title 5, U.S. Code in conformance with standard published by the U.S. Office of Personnel Management or if no published standards apply directly, consistently with the most applicable published standards.*

Classified By: M. T. FIELDER

Date Classified: 03/15/1996

Position Cursory Review: *This position description (PD) has been reviewed and it is determined that: the major duties equal 100%; the statement Performs other duties as assigned (PODAA) is present; where applicable, the factors, levels, and points are identified directly under PODAA, add up*

correctly, and the Point Range for the grade is present; and, the Conditions of Employment are located in the Conditions of Employment & Notes section, and if required, Temporary Duty Travel (TDY) of 25% or more (may be less if requested by management), is included. The PD is in the format of the classification standard of record, and the standard(s) is/are cited properly, and the title/series/grade are properly determined based on the standard. The FLSA is correct and when it is determined that the position is Exempt, a complete explanation is provided, and all outdated/obsolete forms are removed. (All position descriptions require a cursory review upon initial verification in FASCLASS and may be reviewed again every 3 years thereafter, or before if OPM issues a new classification standard or guide).

Reviewed By: TIFFANY BECKOM

Date Reviewed: 02/11/2026

POSITION INFORMATION:

Program & Project Mgmt Coding Level:

FLSA: NON-EXEMPT

FLSA Worksheet: NON EXEMPT

FLSA Appeal: NO

BUS Code: 3693

DCIPS/CES PD: NO

- **Mission Category:**
- **Work Category:**
- **Work Level:**

Functional Code: 00

Interdisciplinary: NO

Supervisor Status: Non-Supervisory

PD Status: VERIFIED

DCA Override: NO

CONDITION OF EMPLOYMENT:

Drug Test Required: AGENCY REQ DRUG TEST OF INCUMBENT(TIER ONE)

Financial Mgmt Cert:

Position Designation: Tier 1 – Non-Sensitive, Low Risk

Position Sensitivity & Risk: Non-sensitive (NS)/Low Risk

Sec. Clearance Level: Not Required

Sec. Access (Child Care): Not Required

PRP/SCI: Not Required

Emergency Essential: No [N: Position Not Designated Emergency-Essential Or Key]

Requires Access to Firearms: NO

Influenza Vaccination: NO

Financial Disclosure: N/A

Enterprise Position:

SCW Code:

Acquisition Position:

- **CAP:**
- **Career Category:**
- **Career Level:**

Cyber Workforce:

- **Primary Work Role/Prof Lvl:** /
- **Additional Work Role 1/Prof Lvl 1:** /
- **Additional Work Role 2/Prof Lvl 2:** /

SPeD Certification(s):

POSITION ASSIGNMENT:

Competitive Area: H6

Competitive Level: 0005

Career Program: 17

Career Ladder PD: YES

Target Grade/FPL: 09

Career Pos 1: [RE01851A](#) WG-4749-07

Career Pos 2:

Career Pos 3:

Career Pos 4:

Career Pos 5:

Career Pos 6:

POSITION DUTIES:

Serves as Maintenance Mechanic at a lake project, performing work in a variety of trades for a substantial amount of time at WG-09 grade level in the carpentry, plumbing, painting, and mechanical trades involving maintenance of dam control tower facilities, maintenance of buildings and structures to include modification of existing structures, construction of new facilities, and

installation or replacement of water and fuel utility systems, and as existing at some projects may include operation of water treatment plants requiring filtration processes. Performs work in the electrical and welding trades predominantly at WG-08 intermediate level. Performs or participates with lower grade maintenance workers in work at lesser grade levels involving non-filtration water treatment plant operations, wastewater plant operations, water distribution systems and other tasks associated with a number of trades and labor occupations not above the requirement for intermediate skills level of WG-07. Maybe required to work weekends and holidays on a rotating shift to operate the dam control tower facilities and perform other work required on a continuing basis. Utilizes a variety of tools and equipment common to the various trades. May serve as Ordering Officer for VISA purchases or IQC contracts.

1. Performs WG-09 Level Work in the Mechanical, Plumbing, Carpentry, and Painting Trades:

Mechanical: Performs maintenance and repair of dam control tower facilities involving location of malfunction, determination of necessary repairs, removing defective part, dismantling and performing necessary repairs, or replacement of items beyond repair. Equipment repaired includes mechanical components of emergency power generators; hydraulic systems involving the removal and replacement of seals, cylinders, and high pressure hoses and pumps; removal, repair or replacement, and adjustment of gears, shafts, sprockets, and levers for gate operation; and removal of gates requiring repair by use of crane or chain hoist, performs necessary repair or refers work for major repair or overhaul by contract or District Physical Support personnel. As applicable to lakes with operating water and sewage treatment facilities performs necessary mechanical repair or replacement of equipment such as replacement of valves, lift station pumps, seals, gaskets, etc.

Plumbing: Installs, modifies, and/or repairs plumbing systems and components such as utility, supply and disposal systems including water lines, sinks, urinals, lavatories, toilets, traps, vent systems, and fuel systems as applicable. Works from blueprints, drawings, or sketches when installing new or modifying existing systems. Uses copper, steel, galvanized, and other metals, mortar, cement, plastic and other materials in accomplishing work requirements. Work requires cutting, threading, sweating, burning or welding of joints and use of backhoe, tractor, or other engineering equipment in the location of defective water lines, or installation of new systems.

Carpentry: Performs the more difficult carpentry work at the lake project utilizing skills and techniques required to install, repair, or modify wood products such as building renovation, doors and window frames, walls, partitions, trim work, and other items such as furniture, cabinets, benches, etc. Constructs new buildings, and other structures, as required, such as rest stations, shop buildings, pavilions, shelters, etc. involving the laying of foundation, framing, roofing, and installation of rails, steps, and other requirements. Works from blueprints, sketches, and other instructions. Constructs displays, signs, templates, and other material for use at the lake. Plans and completes work from initial layout to final product completion.

Painting: Performs painting of doors, window frames, furniture, and other building or equipment parts whereas appearance is a factor in insuring a smooth, textured, and decorative surface. Prepares surface by filling and leveling with resin or other material. Prepares coating materials by toning, tinting, blending, and mixing as required to desired or matching color.

55%

2. Performs Electrical and Welding Tasks at WG-08 Intermediate Grade Level:

Electrical: Performs repair of electrical fixtures, defective wiring, etc. requiring the removal and replacement, splicing, and soldering or tightening of connections. Work involves the repair or replacement of such items as switches, defective wiring, controls, circuit breakers, receptacles, ballast's, and lighting fixtures. Performs work from verbal instructions, work orders, and wiring diagrams. Requirements for major electrical repairs and installation are referred to the Project Electrician, if assigned, or consideration given to performance by contract.

Welding: Performs a variety of welding processes to carry out standard welding operations, normally not requiring critical stress or testing of weld. Uses one or more standard welding processes involving the use of oxyacetylene or electric welding equipment. Welds such items as gates, benches, frames, rails, etc.

15%

3. Operates Flood Control Facilities:

Reads stream and water rainfall gauges, dam safety instrumentation, both telemark and telemetering and collection of additional data from reliable outside sources regarding river and rainfall conditions; records and relays such information to appropriate authority in accordance with District policy. Based on above information or specific instructions, operates necessary control gates to regulate pool levels and downstream discharges. Maintains knowledge of upstream and downstream conditions and pool regulation instructions to prevent improper operation. Controls discharges on own initiative when communication from higher echelon is not possible.

10%

4. Performs or Oversees a Variety of Lower Grade Maintenance Tasks:

Work performed normally requires skills and knowledge at intermediate skills of trades work, not above WG-07 such as: painting of equipment, gates, frames, structures, etc. primarily to ensure protection from rust and weather conditions; carpentry and plumbing work involving the replacement of fixtures, minor repair of buildings and structures; masonry concrete and paving work involving small projects or repair of existing sidewalks, parking lots, boat ramps, etc; and labor tasks involving the removal of brush, trees, landscaping, repairing dam washout area, fertilizing, seeding, mowing, planting of trees, shrubbery, etc. May operate heavy engineering equipment normally on a rental and irregular basis in landscaping and dam washout repair in lieu of contracting work out. Operates utility vehicles and other equipment including trucks up to 5-ton stake or dump trucks, backhoes, tractors, and other engineering equipment required for work performance. Provides training in the procedures and skills of the various trades and crafts to sub-journeyman level workers as appropriate.

20%

Performs other duties as assigned.

SKILL AND KNOWLEDGE

Journeyman level skills and knowledge in the carpentry, painting, and plumbing trades including the ability to read and interpret blueprints, building plans, schematics, and other material associated with the work to be performed, and proceed with construction, modification, or alteration of buildings and other structures involving the use of a variety of wood and other building materials. Ability to use a variety of tools and equipment. Shop math ability. Knowledge of various supply, disposal, and utility systems. Knowledge and skill to apply general maintenance procedures in repair and maintenance of facilities. Ability to mix and tone paint and other applications to the desired and matching colors, preparation of surface, and application of paint, stain, and other materials. Knowledge and skills at least at the intermediate level of mechanical, electrical, and welding trades requiring the ability to apply test procedures by use of various test and measuring devices, determine repair requirements of equipment and facilities, and proceed with repair by use of proper tools and equipment. Knowledge and ability for the operation of flood control facilities in the gauging of water levels and operation of gates. Knowledge and ability for the operation of water and sewage treatment plant facilities, as appropriate.

RESPONSIBILITY

Incumbent receives administrative supervision from the Park Manager. Work is performed under the technical direction of the senior Maintenance Mechanic or Leader who assigns work on a daily or work project basis, participates with incumbent in the performance of work, and provides clarifying instructions where deviation from standard practices is involved. Work is subject to spot check while in progress and reviewed upon completion for compliance with instructions and adherence to established work practices and standards.

PHYSICAL EFFORT

Works from ladders, scaffolding, and platforms where areas are hard to reach. Works requires standing, stooping, bending, kneeling, and climbing, and may be performed in cramped positions, under equipment, structures, etc. Frequently required to lift and carry parts and items weighing up

to 50 pounds.

WORKING CONDITIONS

Work is performed outside in extremes of weather or inside shop and other buildings. Work involves walking and climbing of steps, slopes, and uneven surfaces. There is danger of injury such as cuts, burns, electrical shock and bruises while use of power tools and welding equipment, strains from lifting or work in awkward positions, and danger of drowning while working in proximity of the water.

Fair Labor Standards Act (FLSA) Determination = (NON EXEMPT)

- 1. Availability Pay Exemption** - (e.g., Criminal Investigators, U.S. Customs and Border Protection pilots who are also Law Enforcement Officers).
 - 2. Foreign Exemption** - (Note: Puerto Rico and certain other locations do not qualify for this exemption - [See 5 CFR 551.104](#) for a list of Nonexempt areas.)
 - 3. Executive Exemption:**
 - a. Exercises appropriate management responsibility (primary duty) over a recognized organizational unit with a continuing function, AND
 - b. Customarily and regularly directs 2 or more employees, AND
 - c. Has the authority to make or recommend hiring, firing, or other status-change decisions, when such recommendations have particular weight.

Note: Shared supervision or "matrix management" responsibility for a project team does not meet the above criteria. Limited "assistant manager" functions or "acting in the absence" of the manager does not meet the above criteria.
 - 4. Professional Exemption:**
 - a. Professional work (primary duty)
 - b. Learned Professional, ([See 5 CFR, 551.208](#)) (Registered Nurses, Dental Hygienists, Physician's Assistants, Medical Technologists, Teachers, Attorneys, Physicians, Dentists, Podiatrists, Optometrists, Engineers, Architects, and Accountants at the independent level as just some of the typical examples of exempt professionals). Or
 - c. Creative Professional, ([See 5 CFR, 551.209](#)) (The primary duty requires invention and originality in a recognized artistic field (music, writing, etc.) and does not typically include newspapers or other media or work subject to control by the organization are just some examples of Creative Professionals). Or
 - d. Computer Employee, ([See 5 CFR, 551.210](#)) (must meet salary test and perform such duties as system analysis, program/system design, or program/system testing, documentation, and modification). Computer manufacture or repair is excluded (non-exempt work).
 - 5. Administrative Exemption:**
 - a. Primary duty consistent with [5 CFR 551](#) (e.g.; non-manual work directly related to the management or general business operations of the employer or its customers), AND job duties require exercise of discretion & independent judgment.
- FLSA Conclusion:**
- Exempt**
 - Non Exempt**

FLSA Comments/Explanations:

This position meets 5CFR 551.204 (b) non-exemption requirement.

CONDITIONS OF EMPLOYMENT & NOTES:

CL: 0BV1

1. This position is covered by the civilian drug abuse testing program. Incumbent is required to sign a DA Form 5019-R, Condition of Employment for certain civilian positions identified as critical under the Drug Abuse Testing Program.
2. Incumbent is required to perform the following: Work from ladders, scaffolding, and platforms where areas are hard to reach. Works requires standing, stooping, bending, kneeling, and climbing, and may be performed in cramped positions, under equipment, structures, etc. Frequently required to lift and carry parts and items weighing up to 50 pounds. A pre-employment physical is a requirement for this position.
3. Incumbent is required to work in the following working conditions: Work outside a substantial part of the time subject to extreme weather. Work involves walking, climbing of ladders, steps, slopes, and uneven surfaces. Subject to dirt, grease, mud, and other substances while performing work. There is danger of injury while using power tools and other equipment, of strains and sprains from lifting and working in cramped, positions, and of drowning when working in the proximity of water. Protective equipment may be required while mixing and spraying of herbicides and other chemicals, if applicable.
4. Must possess and keep valid as applicable: (a) motorboat license in accordance with Coast Guard requirements; (b) valid state driver's permit to operate assigned motor vehicles; (c) state permit to operate water and/or sewage treatment plants, if applicable; and (d) license to use herbicides, pesticides, and insecticides, if applicable, or not accomplished on a contract basis.
5. Maybe required to work weekends and holidays on a rotating shift to operate the dam control tower facilities and perform other work required on a continuing basis.

NOTE: Individual Districts may determine this position to be Mission Essential based on site-specific conditions. A designation of "Mission Essential" will be communicated by management to the incumbent(s) if applicable. If designated as Mission Essential, incumbents are not subject to administrative dismissal in emergencies created by inclement weather conditions or other emergency situations as appropriate. A Mission Essential employee is required to report for, or remain at, work in emergency situations, and dismissal or closure announcements do not apply to him/her unless his/her supervisor instructs otherwise.

This is a drug testing designated position (TDP) under the Department of the Army Drug-Free Federal Workplace Program in accordance with AR 600-85. Signing of a DA Form 5019 (Condition of Employment for Certain Civilian Positions Identified as Critical under the Department of the Army Drug-Free Federal Workplace Program) acknowledging periodic random drug testing requirements is mandatory prior to being placed into this position. Those individuals not currently occupying a TDP position must successfully complete a pre-appointment drug test prior to being placed into this position and periodically thereafter.

POSITION EVALUATION:

Reviewed PD upon recruitment. Updated signature blocks IAW CHRA guidance. Shanon K. Hines
4/13/2023

Position cursory review completed. Updated signature blocks IAW CHRA guidance. Shannon K. Hines
11/22/2022

11/08/2021 - Reviewed PD upon recruitment and updated CL. Ivelisse Albarracin, Classification Specialist

Per management request added note: Individual Districts may determine this position to be Mission Essential based on site-specific conditions. No other updates/changes were made to this PD. Shannon K. Hines 7/23/2021

Position cursory review completed. Updated Supervisor's block since certification is older than one year. Shannon K. Hines 7/16/2021

Annotated COE verbiage " Maybe required to work weekends and holidays on a rotating shift to operate the dam control tower facilities and perform other work required on a continuing basis" currently reflected in PD to COE section. 3/11/2021 SKH

Per management request moved COE "Must possess and keep valid as applicable: (a) motorboat license in accordance with Coast Guard requirements; (b) valid state driver's permit to operate assigned motor vehicles; (c) state permit to operate water and/or sewage treatment plants, if applicable; and (d) license to use herbicides, pesticides, and insecticides, if applicable, or not accomplished on a contract basis" from the position duties to the COE section of PD. 1/4/2021 SKH

04/03/2020 - Reviewed PD upon recruitment and updated new signature blocks IAW CHRA formatting guidance; made minor grammatical/administrative corrections. Debora Pierce, Classification Specialist

Conducted Classification Quality Control (CQC). TB, 02/08/2019

Updated CL. TB, 08/30/2017

TDP note added 10/11/02. A. Hernandez, SWCPOC

EVALUATION

Classification: Maintenance Mechanic, WG-4749-09

Organization: Operations Division Lake Projects

1. References:

- a. OPM JGS for Maintenance Mechanic, WG-4749, May 74.
- b. OPM JGS for Painter, WG-4102, Nov 69.
- c. OPM JGS for Plumber, WG-4206, Mar 69.
- d. OPM JGS for Carpenter, WG-4607, Apr 91.
- e. OPM JGS for Industrial Equipment Mechanic, WG-5352, Nov 80.
- f. OPM JGS for Electrician, WG-2805, Apr 69.
- g. OPM JGS for Welder, WG-3703, May 74.
- h. OPM JGS for Engineering Equipment Operator, WG-5716, Jan 69.
- i. OPM JGS for Crane Operator, WG-5725, June 71.
- j. OPM JGS for Water Treatment Operator, WG-5409, May 92.
- k. OPM JGS for Wastewater Treatment Plant, WG-5408, May 92.
- l. OPM JGS for Lock and Dam Operator, WG-5426, Sept 74.

2. Series and Title Determination:

Position is established for the purpose of performing work in a variety of trades in the repair, maintenance, and operation of a variety of facilities at a flood control and lake project requiring the use of various trade practices associated with occupations such as carpentry, plumbing, painting, mechanical, welding, and other trade practices. Work meets the standards requirements for assignment to the Maintenance Mechanic Series, WG-4749, and titled as Maintenance Mechanic including work in three or more series at journeyman, WG-09 grade level.

3. Grade Determination:

Grade of the position is determined by application of standards for the primary trades of carpentry,

painting, mechanical, and plumbing which are grade controlling, occupying the larger percentage of time. Other standards referenced in par 1. above are applied to those tasks of less than journeyman level skills, incidental to primary work requirements, or occurring on an intermittent or occasional basis.

a. Carpentry, Painting, Plumbing: Incumbent performs journeyman level work in the above trades applying skills in the construction or modification of buildings such as lake office buildings, shops, pavilions, shelters, from blueprints, building codes, sketches, etc; Mixing paints, varnishes, resins, to desired color and applying to surfaces requiring a smooth and textured surface; and installing, modifying, or repairing complete plumbing systems such as water, utility, and disposal systems. Skill and Knowledge, Responsibility, Physical Effort, and Working Conditions, requirements are as described in applicable standards and included in the job description. i.e., ability to read and interpret blueprints, utilizing a variety of tools and equipment, application of shop math, independence for completion of work assignments utilizing standard work practices, and requirements for a normal level of physical effort, subject to both inside and outside work in varying weather conditions as described in applicable standards.

b. Mechanical: Mechanical work involves the requirement for skills in the normal maintenance and repair of dam control tower facilities including emergency power generators, hydraulic systems, gate controls, etc; water and sewage treatment plant facilities such as pumps, lift station pumps, seals, gaskets, valves, etc, as applicable. The Industrial Equipment Mechanic series, WG-5352, is used in evaluating this responsibility, ref i.e. involving the maintenance and repair of waste and flood control equipment such as compressors, pumps, and valves as included in the series definition for this series. Major repairs, as described at WG-10 level, involving the complete overhaul or replacement of these facilities are accomplished by the District Physical Support Branch or on a contract basis. Work performed by incumbent requires knowledge as described at WG-10 involving the ability to troubleshoot and determine the level of repair required, however, not the actual repair work of major components. WG-08 is exceeded in the type of equipment, however, not the level of repair. Considering knowledge requirements for determining repair requirements, skills requirements to maintain and perform normal repair requirements, and responsibility for making these decisions in isolated geographical areas, a grade of WG-09 is determined reasonable for assignment to the mechanical work of this position in compliance with interpretation of grade levels as provided on pg. 4 of the standard.

c. Electrical, Welding: Major electrical work involving the complete laying out, wiring, and installation/repair of systems, welding for specified strength requirements to gates and other dam facilities are performed by the Project Electrician, WG-10, Physical Support Branch mechanics, or accomplished on a contract basis. Normal repair requirements requiring standard work practices in the repair of frames, rails, gates, replacement of circuit breakers, switches, splicing of wiring, etc. as described is determined at intermediate level of WG-08.

d. Other work requirements involving approximately 10-20% of time in operating flood control facilities, water or sewage treatment facilities in a few lake projects, and performance of lower grade maintenance tasks are predominantly not above the level of WG-07. Operation of cranes, backhoes, dumptrucks, tractors, or other engineering is performed incidental to primary work requirements normally on an irregular basis and normally not above WG-07 and 08 grade levels.

4. Classification: Maintenance Mechanic, WG-4749-09.