

# Hydro Civil Tech III | Job Code - HDP330

## JOB SUMMARY

Job Title	Reports To (Job Title)
Hydro Civil Tech III	N/A
Job Type	Job Level
Technical/Craft	Intermediate

### Summary

Perform equipment operator duties (including trucks, trailers, excavator, skid steer, tractors, mowers, trash handling equipment, mobile cranes, forklifts, boats and barges) to support safe and reliable operation of Hydro facilities.Â Collect and communicate FERC required data from dam and water conveyance instrumentation at Hydro facilities.Â Operate flood gates and other water retaining structures during emergency situations.Â Perform inspections on FERC regulated dams, underground tunnels and waterways.

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## RESPONSIBILITIES

- Independently operate and perform minor maintenance on tractors, backhoes, trucks, trailers, mowers, graders, trash handling equipment, mobile cranes, forklifts, barges, etc.
  - Perform reservoir, spillway, and dam inspections/maintenance including completion of documentation of inspections and maintenance.
  - Operate Tainter Gates and other water retaining structures as required during an emergency situation.
  - Perform troubleshooting and repair on dam and water conveyance instrumentation.
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## QUALIFICATIONS

Basic/Required Qualifications

Preferred Qualifications

### Required Education

Type of Degree	Field Of Study
High School/GED	N/A

### Required Work Experience

Min Required Related Experience	N/A
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### Professional Certifications or Licenses

Certification Name
Commercial Drivers License

### Additional Certifications or Licenses

Certification Name
N/A

In Lieu of Degree

Education

Not  
Applicable

Years of Experience

Not  
Applicable

### ADDITIONAL DETAILS

#### Working Conditions

- Occasional overtime including weekend work, holidays and call-outs.
- Monday - Thursday 4/10 schedule with potential to alternate to provide 5 day coverage.
- Be able to work alone as well as in a team environment
- Frequent walking, climbing slopes, exposure to heights and extreme weather conditions
- Able to lift 50 lbs, extensive walking on slopes and hillsides, frequent pulling, pushing, bending and climbing.
- Must be available for call-outs to support continuous Hydro operations.
- Exposure to electromagnetic fields (EMF).
- May be exposed to high stress situations and required to be available for emergency response as needed

#### Duties & Responsibilities

### Preferred Education

Type of Degree	Field Of Study
N/A	N/A

### Preferred Work Experience

Years of Related Work Experience	5 Years
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### Professional Certifications or Licenses

Certification Name
N/A

### Additional Certifications or Licenses

Certification Name
N/A

- Independently operate and perform minor mechanical maintenance task on trucks, trailers, excavator, skid steer, tractors, mowers, trash handling equipment, mobile cranes, forklifts, boats, barges, etc.
- Perform reservoir, spillway, dam and public safety plan inspections/ measurements /maintenance including completion of documentation of inspections and maintenance.
- Utilize computers and/or tablets to perform basic functions such as timesheet entry, complete computer based training modules, read company email, closeout work orders in Maximo, etc.
- Generate, complete and reference work orders in Maximo
- Understand and use Microsoft Office tools, i.e. Outlook, Teams, Excel, Word, ect.
- Perform facilities maintenance, housekeeping and janitorial task, project support and oversight
- Understand and enforce FERC compliances relevant to station
- Provide support, training and mentoring of developing Techs
- Communicate with internal/external customers
- Operate flood gates and other water retaining structures as required during an emergency situation.
- Operate underwater and aerial drones used for inspection of flume lines, tunnels, dams, etc including obtaining & maintaining all applicable licenses
- Obtain & maintain certifications to perform confined space rescue

#### Basic Qualifications

- Basic reading, writing and math skills.
- Basic computer skills
- Demonstrated initiative to take leadership roles and provide oversight of contractors
- Perform observations and assessments, coach, communicate and work as a team player
- Demonstrated active usage of human performance improvement tools - i.e. pre-job briefs,Â procedure adherence, STOP when unsafe/uncertain, etc.
- Experience in operating trucks, tractors, fork lifts, mowers and miscellaneous other equipment
- Basic understanding and utilization of basic hand tools, including powered hand tools (drills, saws, grinders, impacts), including chain saws, weed eaters, etc.
- Basic understanding of mechanical and hydraulic systems associated with equipment
- Demonstrated ability to work safely in all types of situations, including adverse weather conditions.
- Instrumentation (electronic & mechanical) operation and maintenance skills so that various types of dam safety instrumentation technologies can be repaired, maintained, installed and read to support the Duke Energy Dam Safety Surveillance Monitoring Program (DSSMP)

#### Desired Qualifications

- Five years previous experience working in a related field with similar equipment and tools
- Advanced Rigging/lifting experience
- Mobile Crane operator
- Heavy equipment operator
- Vegetation management
- Class "A" CDL driver's license
- Confined Space Rescue Certification
- Aerial Drone Pilot License
- Knowledgeable of FERC Compliance

#### Specific Requirements

- Must have or be able to obtain Class "A" CDL driver's license
- Periodic DOT physicals

- Subject to Random Drug Screening
  - Required to pass physical abilities test
  - Must be able to pass the MASS testing
  - Ability to work around equipment that generates electromagnetic fields (EMF).
  - This position contains a weight restriction of 275 pounds as an essential function of the job. The purpose of this restriction is to ensure that all weight rated equipment is used in an appropriate and safe manner within maximum allowed weight loading.
  - Must live within approximately 45 miles of base location
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## REPORTING RELATIONSHIPS

Will this role have direct reports?

No

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## NATURE OF THE JOB

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|---|-----|
| 1.Tasks are straightforward, routine and often repetitive   | N/A |
| 2.Tasks follow set guidelines or procedures   | N/A |
| 3.Employee must compare alternative courses of action and make a decision after considering options                               | N/A |
| 4.Employee receives clear instructions from supervisor regarding what to do and how to do it                                      | N/A |
| 5.Employee has the authority to make significant choices and decisions without specific guidance or direction from the supervisor | N/A |