

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

<http://www.kingcounty.gov/employees/HumanResources/SafetyClaims/JobAnalysis/analyses.aspx>

PATIENT NAME: _____

JOB TITLE: Engineer III (River and Floodplain)

DEPARTMENT: Natural Resources and Parks

WORK SCHEDULE: 40 hrs/week

JOB DESCRIPTION: Lead river and hydraulic engineering design and technical analysis for river and floodplain management projects and programs.

WORK ENVIRONMENT: Field with some office

ESSENTIAL FUNCTIONS:

Oversee field investigations and assessments of river conditions and flood facilities, gather engineering data and related information necessary to scope technical studies, evaluate flood damages to river facilities as part of post-flood documentation, perform field investigations for assigned projects, conduct flood warning activities, conduct field investigations and assessments, perform construction management and inspection, evaluate physical river conditions and hazards. These positions require the ability to conduct physical site inspections and evaluations during times of inclement weather. There is often a need to walk on uneven terrain for extended periods of time. Field conditions include brushy, forested environments; river, stream and wetland corridors; and slippery, uneven surfaces and dynamic conditions in the outdoors. May be required to complete float test, swim test and swift water rescue training.

Exposures:

- ☒ Outside weather
- ☐ Non-weather related temp below 55°
- ☐ Non-weather related temp above 75°
- ☒ Humidity/dampness
- ☐ Moving mechanical parts
- ☐ Exposed high places
- ☐ Vibration
- ☐ Toxic or caustic chemicals
- ☐ Confined spaces
- ☒ Wet
- ☐ Fumes
- ☐ Gasses
- ☒ Dusts
- ☒ Odors
- ☐ Radiation
- ☐ Mists
- ☐ Explosives
- ☒ Noise Level 80 – 100 dBA while on construction sites
- ☐ Other _____

Special Requirements:

- ☐ CDL
- ☐ Respirator use

Name _____

| PHYSICAL DEMAND | HRS PER SHIFT |
|--|-----------------|
| Standing | 2 - 8 hrs/shift |
| Walking <input checked="" type="checkbox"/> uneven terrain | 2 - 7 hrs/shift |
| Sitting | 2 - 8 hrs/shift |
| Climbing stairs | |
| Climbing steep terrain | 0-1 hr/shift |
| Balancing | |
| Bending/Stooping | 0 - 30 min |
| Kneeling | 0 – 15 min |
| Crouching | 0 – 15 min |
| Crawling | 0 – 15 min |
| Foot controls | 0 – 1 hr |
| Reaching above shoulders | 0 – 15 min |
| Reaching waist-shoulder | 0 – 15 min |

| PHYSICAL DEMAND | HRS PER SHIFT |
|---|-------------------|
| Reaching knee-waist | 0 – 15 min |
| Reaching floor-knee | 0 – 15 min |
| Lifting/Carrying 1-10# | 0 - 2 hrs/shift |
| Lifting/Carrying 11-20# | 0 - 15 mins/shitt |
| Lifting/Carrying 21-50# | 0 - 5 min/shift |
| Lifting/Carrying 51-100# | |
| Lifting/Carrying 100+# | |
| Handling | |
| Hand Controls | |
| Fingering <input checked="" type="checkbox"/> keyboarding | 2 - 8 hrs/shift |
| Vision to assure safety of others | 0 - 7 hrs/shift |
| Hearing to assure safety of others | 0 - 7 hrs/shift |
| Other: River Walking | 0 – 7 hrs/shift |

I have reviewed this Job Analysis for the above-named candidate and agree they can perform the physical activities described.

Physician's Signature

Date