

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____

JOB TITLE: Engineer III (Hydrology)

DEPARTMENT: Natural Resources, WLRD, Science

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Conduct studies and analyses watershed hydrology, stream flow regime, hydro-ecology, and watershed water quality.

WORK ENVIRONMENT: Field with some office.

ESSENTIAL FUNCTIONS: Manage, scope, schedule, budget, direct, consultant-staffed watershed modeling and monitoring projects. Participate in multi-disciplinary project teams and provide leadership and strategic direction for project components related to watershed hydrology and water quality monitoring and modeling. Direct and monitor work assignments of county staff including field and office engineering technicians, GIS analysts, and other support staff as needed. Participate in team efforts to provide strategic direction for the Department of Natural Resources and Parks (DNRP), Water & Land Resources Division (WLRD) hydrologic monitoring data management programs. Act as lead WLRD scientific and technical resource for hydrologic modeling and analysis.

PHYSICAL DEMAND	HRS PER SHIFT	PHYSICAL DEMAND	HRS PER SHIFT
Standing	30 min – 2 hours	Reaching knee-waist	0 – 1 hour
Walking <input checked="" type="checkbox"/> uneven terrain	1 – 3 hours	Reaching floor-knee	0 – 1 hour
Sitting	4 – 7 hours	Lifting/Carrying 1-10#	0 – 4 hours
Climbing stairs	0	Lifting/Carrying 11-20#	0
Climbing <u>ladders</u>	0	Lifting/Carrying 21-50#	0
Balancing	0 – 3 hours	Lifting/Carrying 51-100#	0
Bending/Stooping	0 – 1 hour	Lifting/Carrying 100+#	0
Kneeling	0 – 1 hour	Handling	4 – 6 hours
Crouching	0 – 1 hour	Hand Controls	0 – 30 minutes
Crawling	0 – 1 hour	Fingering <input checked="" type="checkbox"/> keyboarding	4 – 7 hours
Foot controls	0 – 1.5 hours	Vision to assure safety of others	0 – 4 hours
Reaching above shoulders	0 – 15 minutes	Hearing to assure safety of others	0 – 4 hours
Reaching waist-shoulder	4 – 7 hours	Other	

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 ☐ Gasses
☐ Fumes ☒ Odors
☒ Dusts ☐ Mists
☐ Radiation ☐ Explosives
☒ Noise Level 60 DBL
☐ Other _____

Special Requirements:

☐ CDL ☐ Respirator use

I have reviewed the following Job Analysis for the above-named candidate.

Physician's Signature

Date