

Job Analysis Form

ALTERNATE FORMAT AVAILABLE



SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____

JOB TITLE: Engineer I

DEPARTMENT: Natural Resources, WLRD, Science

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Technicians are assigned a set of hydrologic monitoring sites to maintain and produce data from. Data are used for evaluation of watershed conditions with respect to in-stream flows, water quality, aquatic habitat and flooding issues. The data support the development of a regional water quality model for the RWSP, and King County ESA technical program. The position is supervised by the MAA section manager and reports to the stream monitoring program engineer.

WORK ENVIRONMENT: Field with some office.

ESSENTIAL FUNCTIONS: Field work involves collection of physical, chemical and biological data in lakes, streams and wetlands. Primary work is maintaining stream gages and rainfall monitoring sites. This involves maintaining instrumentation and data loggers, making discharge measurements and recording observations of stream conditions. Other field work may include: conducting channel geomorphology and habitat surveys, water wetland level measurements, collection of aquatic macro-invertebrates, fish population/fish habitat information. Some field work may occur during periods of inclement weather. Technicians should be comfortable working in streams in a variety of flow conditions. Office work involves organizing field data, production of streamflow data, perform data reduction and QA/QC on precipitation data, responding to data requests. Technicians should be comfortable working with databases and spreadsheets, performing engineering computations. Experienced technicians analyze hydrologic data, write reports.

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 80 DBL
- Other _____

Special Requirements:

- CDL
- Respirator use

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PHYSICAL DEMAND	HRS PER SHIFT
Standing	1 – 5 hours
Walking <input checked="" type="checkbox"/> uneven terrain	30 min – 1 hour
Sitting	1.5 – 6 hours
Climbing stairs	0 – 15 minutes
Climbing <u>ladders</u>	0 – 15 minutes
Balancing	0 – 6 hours
Bending/Stooping	1 – 2 hours
Kneeling	0 – 2 hours
Crouching	0 – 2 hours
Crawling	0
Foot controls	0 – 1.5 hours
Reaching above shoulders	0 – 1 hour
Reaching waist-shoulder	4 – 7 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 2 hours
Reaching floor-knee	0 – 2 hours
Lifting/Carrying 1-10#	1 – 7 hours
Lifting/Carrying 11-20#	0 – 1 hour
Lifting/Carrying 21-50#	0 – 1 hour
Lifting/Carrying 51-100#	0 – 1 hour
Lifting/Carrying 100+#	0
Handling	4 – 6 hours
Hand Controls	0 – 2 hours
Fingering <input checked="" type="checkbox"/> keyboarding	2 – 6 hours
Vision to assure safety of others	0 – 5 hours
Hearing to assure safety of others	0 – 5 hours
Stream Walking	0 – 7 hours

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

Physician's Signature

Date