

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: _____
DEPARTMENT: Natural Resources, WLRD, Flood

JOB TITLE: Engineer I
WORK SCHEDULE: 40/week
(OT 24/7 during weather events)

JOB DESCRIPTION: Performs technical engineering support services and entry level professional engineering design, analysis and review for assigned engineering functions. This position will play an important role to carryout assignments and conduct activities on a wide variety of projects, programs and issues focused on reducing the risks to people and property from flood-related hazards. Assignments will be primarily based on repairing damages to flood protection facilities sustained during the November 2006 flood disaster and the implementation of project and program recommendations identified in the adopted 2006 King County Flood Hazard Management Plan. Additional information on the adopted 2006 Flood Plan is available on King County's web site at <http://dnr.metrokc.gov/wlr/flood/fhmp/index.htm>.

WORK ENVIRONMENT: Field with some office.

ESSENTIAL FUNCTIONS: Provide all types of advanced-level technical engineering support services and entry level professional engineering design, analysis and review for assigned engineering functions associated with river and floodplain management services (e.g., project design, permitting and construction). Conduct site reconnaissance, perform land and in-water surveys, maintain field notes, operate survey equipment and data collectors, and perform survey calculations surveys. Perform lead engineering, analyses and administrative support tasks required for coordinating floodplain management permit reviews between the Department and Natural Resources and Parks (DNRP) and the Department of Development and Environmental Services (DDDES) consistent with adopted policies and procedures for flood hazard certifications and elevation certificates. Compile technical, mapping and permit documentation in support of King County's annual Community Rating System (CRS) verification audit by the Insurance Services Organization (ISO) and the Federal Emergency Management Agency (FEMA). Respond to public and agency inquiries related to floodplain management issues, maps, regulations, historic data, technical studies and information and requirements of King County flood hazard codes and standards. Coordinate responses to the public and property owners on floodplain inquiries, dissemination of technical information and mapping, survey and related information. Assist with flood warning and emergency response services.

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 90 DBL
- Other _____

Special Requirements:

- CDL
- Respirator use

***Continued on next page.

PHYSICAL DEMAND	HRS PER SHIFT
Standing	30 min – 2 hours
Walking <input checked="" type="checkbox"/> uneven terrain	30 min – 8 hours
Sitting	30 min – 6 hours
Climbing stairs	0
Climbing _____	0
Balancing	30 min - 1 hour
Bending/Stooping	0 – 30 minutes
Kneeling	0 – 15 minutes
Crouching	0 – 15 minutes
Crawling	0
Foot controls	0 – 12 hours
Reaching above shoulders	0 – 10 minutes
Reaching waist-shoulder	4 – 12 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	0 – 2 hours
Reaching floor-knee	0 – 10 minutes
Lifting/Carrying 1-10#	0 – 4 hours
Lifting/Carrying 11-20#	0 – 30 minutes
Lifting/Carrying 21-50#	0 – 30 minutes
Lifting/Carrying 51-100#	0
Lifting/Carrying 100+#	0
Handling	4 – 12 hours
Hand Controls	30 min – 12 hour
Fingering <input checked="" type="checkbox"/> keyboarding	2 – 8 hours
Vision to assure safety of others	0 – 12 hours
Hearing to assure safety of others	0 – 12 hours
Brush Cutting	0 – 4 hours
Night Vision	0 – 12 hours

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

Physician's Signature

Date