

# Job Analysis Form

ALTERNATE FORMAT AVAILABLE



## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

PATIENT NAME: \_\_\_\_\_

JOB TITLE: Engineer II

DEPARTMENT: Natural Resources, WLRD, Stormwater WORK SCHEDULE: 40/week

JOB DESCRIPTION: The Stormwater Services Section (SWS) "pool" engineers perform hydrologic, hydraulic, and water quality evaluations of surface water drainage problems ranging in scope from single residential parcels to entire drainage basins. SWS pool engineers recommend solution for these problems and may design the resulting projects. SWS pool engineers may also review drainage plans; write engineering reports; assist in writing drainage regulations; provide technical support for King County Surface Water Design manual, the King County Water Pollution Prevention Manual, and the King County Runoff Time Series; investigate and help resolve drainage code violations; and support the King County Prosecuting Attorney's Office by investigating drainage related claims and lawsuits. SWS pool engineers constantly interact with the general public and drainage professionals in settings that range from providing technical assistance over the phone to on site meetings with property owners.

WORK ENVIRONMENT: Field with some office.

ESSENTIAL FUNCTIONS: Perform field investigations for Engineering Reviews, Water Quality Audits, SWM Fee Discount Reviews, Facility Retrofits, Engineering Studies, Drainage Code Violations, Drainage Related Claims, and other WLRD programs that request engineering support. Document the results of field investigations, including photos, in written report. Prepare construction plans for construction projects. Provide on site engineering support during construction of designed projects. Provide technical assistance in person and via telephone for the King County Surface Water Design Manual, King County Runoff Time Series, and King County Backwater programs.

### 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 - 70 DBL

### Special Requirements:

- CDL
- Respirator use

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

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

\_\_\_\_\_  
Physician's Signature

\_\_\_\_\_  
Date