

Job Analysis Form

Alternate Format Available



King County

SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

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

Physical Required: General physical, Diabetes, BP, Vision, Back strength and lifting and Audiogram.

PATIENT NAME: _____

JOB TITLE: Maintenance Electrician

DEPARTMENT: DNRP/Parks

WORK SCHEDULE: 40/week

JOB DESCRIPTION: Performs skilled journey level work to maintain, repair, and upgrade a wide variety of equipment ranging from low voltage to high voltage AC and DC distribution switchgear, and to perform a comprehensive preventive maintenance program. Meets all requirements of the National Electrical Code, state and local standards.

WORK ENVIRONMENT: Inside and outside.

ESSENTIAL FUNCTIONS: Maintains and repairs switchgear and relays. Also installs, maintains and repairs electrical systems and equipment at King County ball fields, parks and pump stations. Maintains all electrical wiring on Parks properties in proper working order. Includes transformers, sewer pump controllers, stage lighting and audio, all types of single phase and three phase circuits for lighting and power with voltages up to 480 V DC. Performs routine inspection and maintenance of sewer pump stations and their components, such as switches, transformers, diodes, fuses, relays, alternators, stationary batteries, charges etc. Maintains and repairs emergency/auxiliary power plants, transfer switches and uninterrupted power supplies. Maintains and repairs low voltage systems, such as security alarms, network wiring, intercom and public address equipment, etc. Evaluates existing equipment and provides recommendations regarding future electrical demands and costs. Adheres to all prescribed safety procedures; safely operates and maintains power tools and test equipment. Attend various electrical code classes and safety meetings in order to maintain continuing education credits for electrician licensing.

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 50-110 DBL
- Other _____

Special Requirements:

- CDL
- Respirator use

***Continued on next page.

PHYSICAL DEMAND	HRS PER SHIFT
Standing	2 – 5 hours
Walking <input type="checkbox"/> uneven terrain	15 min – 2 hours
Sitting	1 – 2 hours
Climbing stairs	0 – 15 minutes
Climbing <u>ladder/vehicle</u>	10 – 30 minutes
Balancing	2 – 6 hours
Bending/Stooping	2 – 4 hours
Kneeling	1 – 4 hours
Crouching	1 – 4 hours
Crawling	5 – 30 minutes
Foot controls	45 min – 5 hours
Reaching above shoulders	1 – 5 hours
Reaching waist-shoulder	15 min – 2 hours

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	30 min – 2 hours
Reaching floor-knee	15 min – 2 hours
Lifting/Carrying 1-10#	30 min – 4 hours
Lifting/Carrying 11-20#	10 min – 1.5 hour
Lifting/Carrying 21-50#	10 – 30 minutes
Lifting/Carrying 51-100#	0 – 1 minute
Lifting/Carrying 100+#	0 – 1 minute
Handling	2 – 4 hours
Hand Controls	45 min – 4 hours
Fingering <input checked="" type="checkbox"/> keyboarding	1 – 3 hours
Vision to assure safety of others	2.5 – 8 hours
Hearing to assure safety of others	2.5 – 8 hours
Other	

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

Physician's Signature

Date