

# Job Analysis Form

ALTERNATE FORMAT AVAILABLE



## SHORT FORM FOR PRE-EMPLOYMENT PHYSICALS

A more detailed form is available on the web at <http://www.metrokc.gov/ohrm/kcjabank/>

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

JOB TITLE: Industrial Maintenance Mechanic

DEPARTMENT: Natural Resources and Parks

WORK SCHEDULE: 10 hrs./day for 4 days or  
8 hrs./day for 5 days  
May also include rotating shifts

**JOB DESCRIPTION:** The responsibilities of this classification include repairing, maintaining, overhauling and installing a variety of machinery, including pumps, motors, grinders, blowers, compressors, presses, injection systems, and hydraulic and pneumatic equipment. This is a single level classification and is distinguished from other classifications by its responsibility for the repair and maintenance of complex machinery including pumps and motors.

**WORK ENVIRONMENT:** Work is performed in an industrial wastewater setting where the worker is exposed to or in close proximity to heavy operating machinery, high voltage, sewage, adverse weather conditions, uneven surfaces, cat walks/metal grating, noxious or toxic gasses and chemicals, as well as loud noises. The noise level is quiet to very loud. Hearing protection and hard hats are required in some areas. The employee is occasionally exposed to hazardous materials including chlorine, sulfur dioxide, sodium hydrochloride, sodium hydroxide, methane, and hydrogen sulfide.

**ESSENTIAL FUNCTIONS:** Maintains, repairs and overhauls a variety of complex machinery. Installs, repairs, maintains and designs plumbing systems for sewage, water, gasses, chemicals and solids using appropriate materials. Designs, fabricates and repairs plant piping, equipment guards and bases, stairs, support railings, ladders, and building frames using welding equipment, metal inert and tungsten inert gasses, arc, cutting torch, and plasma cutter. Installs, designs and fabricates a variety of metal fixtures including vents, air ducts, doors, louvers, containers, equipment covers, machinery bases and support members. Plans equipment repairs using blueprints, engineering drawings, computer aided designs, operations and maintenance manuals, vendor data, catalogs, as-built to facilitate parts ordering, equipment assembly and modifications. Operates mobile/overhead cranes and forklifts to remove, maintain and install multi-ton industrial machinery using safe rigging techniques. Operates a variety of machine shop equipment including mills, lathes, radial drill, hydraulic press and surface grinder to fabricate parts, sleeves, shafts, brushings, and cutters. Makes tools and repairs threads to meet design specifications according to manufacturer's blueprints.

PHYSICAL DEMAND	HRS PER SHIFT
Standing	30 min. – 7 hrs.
Walking <input checked="" type="checkbox"/> uneven terrain	5 min. – 1 hr.
Sitting	30 min. – 1.5 hrs.
Climbing stairs	2 min. – 32 min.
Climbing _____	0 – 3 min.
Balancing	45 min. – 1 hr.
Bending/Stooping	45 min. – 1 hr.
Kneeling	45 min. – 1 hr.
Crouching	45 min. – 1 hr.
Crawling	0
Foot controls	30 min. – 1.5 hrs.
Reaching above shoulders	5 min. – 1 hr.
Reaching waist-shoulder	Up to 10 hrs.

PHYSICAL DEMAND	HRS PER SHIFT
Reaching knee-waist	5 min. – 1 hr.
Reaching floor-knee	5 min. – 1 hr.
Lifting/Carrying 1-10#	30 min. – 3 hrs.
Lifting/Carrying 11-20#	30 min. – 3 hrs.
Lifting/Carrying 21-50#	5 min. – 2 hrs.
Lifting/Carrying 51-100#	0 – 5 seconds
Lifting/Carrying 100+#	0
Handling	3 – 10 hrs.
Hand Controls	30 min. – 2 hrs.
Fingering <input type="checkbox"/> keyboarding	0 – 1 hrs.
Vision to assure safety of others	30 min. – 1.5 hrs.
Hearing to assure safety of others	3 – 10 hrs.
Other – Pushing and pulling	Up to 30 minutes

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 \_\_\_\_\_  
 Other Noise sufficient to cause marked distractions or possible hearing loss

Special Requirements:  
 CDL  Respirator use

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

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

\_\_\_\_\_  
Date