MECHANIC II/SEWER DIVISION

JOB SUMMARY

GENERAL DUTIES;

This is a highly skilled work at the master level in the maintenance and repair of a wide variety of complex mechanical machinery and equipment. Mechanic II works under the supervision of Assistant Superintendent or Superintendent of Sewer Division.

DISTINGUISHING FEATURES OF THE CLASS;

Employees in this class perform highly skilled tasks in the preventive maintenance and repair of pumps, pneumatic controls, compressors, electric motors, and valves. Mechanic II supervises work for other mechanics and/or operators as the need arises.

EXAMPLES OF DUTIES

(Any one position may not include all of the duties listed, nor do the listed examples include all duties, which may be found in positions of this class.)

1. Makes mechanical repairs to pumps, pneumatic controls, and compressors; lubricates equipment and checks for malfunctions.
2. Replaces packing in pumps and valves, adjusts and cleans bar screens, comminutor and wier plates.
3. Cleans out pipes and performs other plumbing and pipefitting tasks as required.
4. Uses gas and/or arc welding equipment to heat, cut, braze, or weld
5. Performs minor electrical duties as required.
6. Installs and sets up new equipment
7. Assists in keeping maintenance records to assure proper performance of maintenance work or repairs. Performs general maintenance on Tow-owned vehicles and equipment
8. Performs maintenance and repair tasks on building, structures, and grounds.
9. Performs related work as required (i.e. painting, etc.).

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Thorough knowledge of standard practices, methods, tools and materials of the electrical and mechanical trades; thorough knowledge of the principles of operation and o the occupational hazards connected with general maintenance operations and ability to observe and enforce

SAFETY PRECAUTIONS; ability to understand and carry out complex oral and written instructions; skilled in the use and care of hand and machine tools; mechanical aptitude, etc.

Employees in this class have the ability and knowledge of an Operator II and may be required to perform duties of same. Operator II job description attached.

MINIMUM REQUIREMENTS

HS Diploma or GED. Three years experience in the operation and maintenance of heavy duty equipment; possession of a valid Commercial Drivers License (CDL-B with Air Brakes endorsement) OR any equivalent education and experience that demonstrated the possession of the required knowledge, skills, and abilities.

Certification as required by State of New Hampshire

Note: this job description is intended to be indicative and not specific.

COGNITIVE AND SENSORY REQUIREMENTS:

Talking: Necessary for communicating with others.
Hearing: Necessary for taking instructions and receiving information.
Sight: Necessary for doing job effectively and correctly.

DURING AN 8 HOUR DAY, EMPLOYEE IS REQUIRED TO:

Consecutive Hours

Sit 1 **2** 3 4 5 6 7 8
Stand 1 **2** 3 4 5 6 7 8
Walk **1** 2 3 4 5 6 7 8

Total Hours
Sit 1 **2** 3 4 5 6 7 8
Stand 1 2 3 4 **5** 6 7 8
Walk **1** 2 3 4 5 6 7 8

ENVIRONMENT: Inside: 50% Outside: 50 %

EQUIPMENT USED: (ie – computer, phone, fax, jackhammer, backhoe, various hand tools, etc)
Heavy Equipment – motorized, various hand tools,

LICENSURE/CERTIFICATION REQUIREMENTS:

Valid CDL-B (Commercial Drivers License) with Air Brakes and Tank endorsements.

OTHER TRAINING, SKILLS AND EXPERIENCE REQUIREMENTS:
HS Diploma or GED. Three years experience in the operation and maintenance of heavy duty equipment;possession of a valid Commercial Drivers License (CDL-B with Air Brakes endorsement) OR any equivalent education and experience that demonstrated the possession of the required knowledge, skills, and abilities.

Specific Vocational Preparation Requirement(s):
This refers to how much prior experience a person needs before being able to do the job.

|__| 1. Short demonstration only.
|__| 2. Any beyond short demonstration up to and including 30 days.
|__| 3. 30-90 days.
|__| 4. 91-180 days.
| X| 5. 181 days to 1 year.
|__| 6. 1 to 2 years.
|__| 7. 2 to 4 years.
|__| 8. 4-10 years.
|__| 9. Over 10 years.

DEFINITIONS OF DURATION OF PHYSICAL ACTIVITIES

Rarely:	*Activity exists up to 1/8 of the time on the job.*
Occasionally:	*Activity exists up to 1/3 of the time on the job.*
Frequently:	*Activity exists up to 2/3 of the time on the job.*
Constantly:	Activity exists over 2/3 of the time on the job.

CONTROLS AND EQUIPMENT:

HAND MANIPULATION

Grasping: Frequently Required
Handling: Frequently Required
Torquing: Frequently Required
Fingering: Frequently Required

PHYSICAL ACTIVITY REQUIREMENTS

PRIMARY PHYSICAL REQUIREMENTS

LIFT up to 10 lbs.: Frequently required
LIFT 11 to 25 lbs.: Occasionally required
LIFT 26 to 50 lbs.: Rarely required
LIFT over 50 lbs.: Rarely required

CARRY up to 10 lbs.: Frequently required
CARRY 11 to 25 lbs.: Occasionally required
CARRY 26 to 50 lbs.: Rarely required
CARRY over 50 lbs.: Rarely required

REACH above shoulder height: Occasionally required
REACH at shoulder height: Frequently required
REACH below shoulder height: Occasionally required

PUSH/PULL: rarely required

OTHER PHYSICAL CONSIDERATIONS

Twisting: Occasionally Required
Bending: Occasionally Required
Crawling: Occasionally Required
Squatting: Occasionally Required
Kneeling: Occasionally Required
Crouching: Occasionally Required
Climbing: Occasionally Required
Balancing: Occasionally Required

WORK SURFACE(S)

Uneven surfaces in wastewater environment, construction sites, landfill, paved and unpaved roads, loose sand and dirt surfaces, outdoor winter condition surfaces.