

CORROSION TECHNICIAN-A

A. Duties:

Under directive supervision and occasionally under general supervision, performs necessary field operations in connection with corrosion control surveys and corrosion control installations; performs other technical and office duties; performing duties such as:

1. Performing any or all the duties of Corrosion Technician-B;
2. Conducting corrosion surveys and associated tests, such as: soil resistivity measurements, pipe-to-soil potential tests, line current tests, electrolysis corrosion tests and tests to locate underground contacts;
3. Conducting cathodic protection current requirement tests on Company structures and cathodic protection interference tests with relation to both Company and foreign structures, including but not limited to: lead cables, steel piping, steel towers and other over or underground structures, or installations;
4. Preparing drawings and other related data of corrosion control surveys and preparing work orders for the installation of corrosion control projects;
5. Installing or directing the installation of corrosion control materials and equipment and coordinating the installation with various departments or other utilities;
6. Indexing, posting and completing corrosion survey and/or cathodic protection data forms for Company records, and directing others engaged in this activity;
7. Inspecting, testing and investigating conditions of pipe and/or pipe coating to determine condition with relation to installation of cathodic protection or replacement;
8. Instructing, training, assisting or working with other employees as required or directed;
9. Assisting as directed in planning of the work in the Department; and
10. Performing other similar or less skilled work.

B. Qualifications:

Must meet the Company's requirements as to GENERAL QUALIFICATIONS; must have all the qualifications of Corrosion Technician-B and, in addition:

1. Must have had at least three years of experience as such, or the equivalent;

CORROSION TECHNICIAN-A

B. Qualifications: (Cont'd)

2. Must have satisfactorily completed courses in Blue Print Reading, Drafting, Basic Electricity, Corrosion Control, Algebra and Natural Gas Operations, or the equivalent; should have completed courses in physics and chemistry;
3. Must have satisfactorily demonstrated the ability to apply mathematics and fundamentals of technical subjects as encountered in the job;
4. Must have a fundamental knowledge of the design of the gas distribution system of the Company with reference to materials of piping, valves, fittings, meters and regulators as well as all construction practices required to make proper installation of the equipment and record and mapping procedures of the Gas Engineering department;
5. Must have a good working knowledge of the fundamentals of underground corrosion with respect to types and causes and methods required to reduce or eliminate this corrosion;
6. Must have a good working knowledge of departmental corrosion testing instruments including various components of meters; must have the ability to conduct tests and surveys with reference to soil resistivity, pipe-to-soil potential tests, structure to structure potential tests, line current tests, cathodic and anodic interference tests, surface potential tests, Ph tests and other related tests;
7. Must have a good working knowledge of approved Company corrosion control methods and policies with reference to protective coatings, cathodic protection by galvanic anodes, and impressed current systems, insulation and isolation program and policies, material selection to reduce corrosion and bonding methods and procedures;
8. Must be able to meet the public in a pleasant, courteous and tactful manner and must possess the ability to work cooperatively with other departments and utilities with which his work must be coordinated;
9. Must have a good working knowledge of the construction practices in relation to cathodic protection installations, electrical wiring for installations, electrolysis bonding procedures, and interference bonding procedures;
10. Must be familiar with the safety procedures and practices of the department and Company relating to this type of work;
11. Must qualify for the Company's Motor Vehicle Permit to drive cars and trucks; and
12. Must have satisfactorily passed qualifying examinations for entrance into the classification of Corrosion Technician-A, including prescribed tests relating to 2, 3, 4, 5, 6, 7, 8, 9 and 10 above.