

City and County of San Francisco



Department of Human Resources

Edwin Lee
Mayor

Micki Callahan
Human Resources Director

**NOTICE OF FINAL ACTION TAKEN BY THE
HUMAN RESOURCES DIRECTOR**

Date: July 6, 2016

Re: **Notice of Proposed Classification Actions –Final Notice No. 102 FY 15/16 (copy attached).**

In the absence of requests to meet addressed to the Human Resources Director, the classification actions contained in the above referenced notice became effective July 6, 2016.

Micki Callahan
Human Resources Director

by: _____

A handwritten signature in black ink, appearing to be "Steve Ponder", written over a horizontal line.

Steve Ponder
Classification and Compensation Director
Human Resources

cc: All Employee Organizations
All Departmental Personnel Officers
DHR – Class and Comp Unit
DHR – Client Services Unit
DHR – Employee Relations Unit
DHR – Recruitment and Assessment Unit
DHR – Client Services Operations
Micki Callahan, DHR
Michael Brown, CSC
Sandra Eng, CSC
Christopher Colandene, SFERS
Devin Macaulay, Controller/ Budget Division
Theresa Kao, Controller/ Budget Division
Drew Murrell, Controller/ Budget Division
Alex Koskinen, Controller/ Budget Division
E-File

**NOTICE OF PROPOSED CLASSIFICATION ACTIONS BY
THE HUMAN RESOURCES DIRECTOR**

The following actions are being posted in accordance with Civil Service Rule 109. In the absence of a protest addressed to the Human Resources Director, the proposed changes will become final seven (7) calendar days from the posting date.

Posting No: 102
Fiscal Year: 2015/2016
Posted Date: 06/20/2016
Reposted Date: N/A

AMEND THE FOLLOWING JOB SPECIFICATION(S):
(Job specification(s) attached.)

Item #	Job Code	Title
1	9346	Fusion Welder

Protests on an item should be addressed to the Human Resources Director and can be submitted by mail to the City and County of San Francisco, Department of Human Resources, 1 South Van Ness Ave, 4th Floor, San Francisco, CA 94103 or by email to DHR.ClassificationActionPostings@sfgov.org. All protests must be received in writing no later than close of business seven (7) calendar days from the posting date, and must include the posting and item number(s), the basis on which the protest is submitted and identify the affected parties.

For additional information regarding this proposed classification action, please contact Victor Vallejo, Clerk, at (415) 557-4894 or by email at Victor.H.Vallejo@sfgov.org.

Copies of this notice may be obtained from the Department of Human Resources or from the website at: <http://sfdhr.org/index.aspx?page=109>. Copies of Civil Service Rule 109 may be obtained from the Department of Human Resources, the office of the Civil Service Commission at 25 Van Ness Ave, Suite 720, San Francisco, CA 94102 or from the website at: <http://www.sfgov3.org/index.aspx?page=328>.

cc: All Employee Organizations
All Departmental Personnel Officers
DHR – Class and Comp Unit
DHR – Client Services Unit
DHR – Employee Relations Unit
DHR – Recruitment and Assessment Unit
DHR – Client Services Support Services
Micki Callahan, DHR
Michael Brown, CSC
Sandra Eng, CSC
Maria Newport, SFERS
Risa Sandler, Controller/Budget Division
Devin Macaulay, Controller/ Budget Division
Theresa Kao, Controller/ Budget Division
Drew Murrell, Controller/ Budget Division
Alex Koskinen, Controller/ Budget Division
E-File

**CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF HUMAN RESOURCES**

**Title: Fusion Welder
Job Code: 9346**

INTRODUCTION

Under general supervision, performs skilled journey-level welding, brazing, cutting and burning to repair and fabricate metal parts and equipment in order to maintain boilers, pile-drivers, cranes, structural members, superstructure, infrastructure and heavy construction equipment. Fusion welders operate Tungsten Inert Gas (TIG), Metal Inert Gas (MIG), electric arc and oxyacetylene welding equipment and electric burning and arc gouging equipment, hydraulic press, shear, punch press, drill press, saw and forklift.

DISTINGUISHING FEATURES

The 9346 Fusion Welder performs skilled welding work to repair and maintain boilers, structures, boats, vehicles and heavy construction equipment. The 9346 Fusion Welder is distinguished from Class 7360 Pipe Welder in that the latter installs, repairs and maintains water distribution pipelines and related facilities; as well as welds on pressure vessels (high pressure pipelines) It is distinguished from Class 7390 Welder which performs skilled welding work related to the repair and maintenance of facilities, various types of transit vehicles and related equipment.

SUPERVISION EXERCISED

None.

MAJOR, IMPORTANT, AND ESSENTIAL DUTIES

According to Civil Service Commission Rule 109, the duties specified below are representative of the range of duties assigned to this job code/class and are not intended to be an inclusive list.

1. Welds, brazes and cuts all types of metals by using different types of welding equipment and rods to fabricate new, or repair/ build worn/ broken equipment.
2. Lays-out, cuts and welds metals for boilers, etc., based on blueprints, by selecting and using the appropriate materials, welding equipment and welding method to repair and maintain maintenance equipment, vehicles, structural members, superstructure and infrastructure.
3. Repairs and replaces to superstructure, infrastructure and heavy construction equipment by fabricating, installing, burning and welding cuts by torch or shear, fits and welds to complete the units by application of stick, TIG, MIG, oxyacetylene, brazing and soldering.
4. Fabricates hand rails, ladders and walkways by laying out material, cutting by torch or shear, fitting and welding to insure safe conditions for operating and working on cranes, piers and buildings.
5. Repairs breaks and cracks by arc gauging and re-welding in order to maintain and keep cranes, heavy construction equipment, train and crane tracks in operational condition.
6. Inspects materials and equipment by checking for cracks or other marks indicating damage or wear, visually and by using magna flux and die check equipment in order to prevent failure equipment.
7. Details shop drawings in order to document characteristics of damage or failures.

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**Title: Fusion Welder
Job Code: 9346**

IMPORTANT AND ESSENTIAL KNOWLEDGES, SKILLS, AND ABILITIES

Knowledge of: Various types of welding rods required by the type and weights of metals being welded and the type of weld (e.g. penetration, beveled, fillet, butt) to obtain maximum welded strength and efficiency. Includes knowledge of types of rods and polarities used in each type of welding equipment; Metals, in reference to the composition and properties of various ferrous metals; non-ferrous metals and alloys; and methods of identifying and/ or welding them. Includes knowledge of necessary precautions and preheating methods to avoid distortion or breakage of parts when welded.

Ability and Skills to: Operate welding equipment in reference to the ability to independently select proper welding equipment based on the job to be done; set up and adjust oxyacetylene, electric arc, MIG, TIG welding equipment, and torch cutting and arc gouging equipment; and set the track, for automatic oxyacetylene machine to make proper cuts; Use magna flux and dye check equipment in reference to the ability to inspect and evaluate materials for checks, cracks or breaks, both in the field and in the shop; Wear respirator or similar personal protective equipment while making repairs to various structures which may cause exposure to lead paint and/or other hazardous fumes by burning and welding as needed to insure safe working conditions; Use and operate hand tools and welding equipment including machines, air compressors, metal shears, drill press, automatic burning machine, air rivet gun, gas forge, air chipping gun, 100 ton press, iron worker punch press and other tools and welding equipment; Read and draw symbols and work from complex blueprints to perform all types of welding, brazing, cutting and burning; Safety procedures, in reference to proper safety equipment (gloves, goggles) and safe handling of welding equipment. Includes use of safety harness when working at heights, respirators, hearing protection devices, and flotation devices for working on or around water; Effectively communicate in regards to maintenance needs, safety concerns, and/ or other job related issues.

MINIMUM QUALIFICATIONS

These minimum qualifications establish the education, training, experience, special skills and/or license(s) which are required for employment in the classification. Please note, additional qualifications (i.e., special conditions) may apply to a particular position and will be stated on the exam/job announcement.

Education:

Completion of a certified Boilermaker's Apprenticeship Program, Ironworker's Apprenticeship Program, or Military certification.

Experience:

Three (3) years of verifiable journey-level welding experience. Experience MUST include use of ALL the following:

- Tungsten Inert Gas (TIG)

**CITY AND COUNTY OF SAN FRANCISCO
DEPARTMENT OF HUMAN RESOURCES**

Title: Fusion Welder

Job Code: 9346

- Metal Inert Gas (MIG)
- Electric arc and oxyacetylene welding equipment
- Electric burning and arc gouging equipment

License and Certification:

Possession of a valid California driver's license.

SUBSTITUTION:

Additional qualifying journey-level welding experience may be substituted for the required apprenticeship program/Military certification on a year-for year basis.

PROMOTIVE LINES

ORIGINATION DATE: 1931

AMENDED DATE: 04/06/1933; 11/24/15; 07/06/16

REASON FOR AMENDMENT *To accurately reflect the current tasks, knowledge, skills & abilities, and minimum qualifications.*

BUSINESS UNIT(S): COMMN