

SAN DIEGO AIR POLLUTION CONTROL DISTRICT

**SUPPLEMENTAL APPLICATION
INFORMATION**

**FEE SCHEDULE
91A**

San Diego APCD Use Only

Appl. No.:

ID No.:

WELDING OPERATIONS

1 Company Name: _____

2 Equipment Address: _____

3 A. PROCESS DESCRIPTION

4 Please provide the following information about welding at your facility.

5 Materials Welded: Stainless Steel Carbon Steel Aluminum Other: _____

6 Application Process: Manual Automatic/Robotic Other: _____

7 Parts to be welded: Small Medium Large Other: _____

8 Materials applied as: Rod Wire Filler Other: _____

9 Welding is conducted at: Fixed onsite location Various onsite locations Portable

10 If you operate at other locations than your facility, please indicate the types of facilities you operate at and types of projects you support:

11 One-time jobs Construction/structural welding Maintenance welding

12 Routine/Repeating jobs Shipyard/Naval contracting Other Manufacturing

13 Additional relevant information (if applicable):

14 B. EQUIPMENT DESCRIPTION

15 Welding occurs in: Booth Room Other (specify): _____

16 Indicate all emission reducing techniques and control equipment currently in use:

17 Shrouding/Partial Shrouding Full Enclosure Ducted fumes

18 Partially ducted fumes Filtration HEPA Filtration

19 Shielding gas (always) Shielding Gas (sometimes) Other

21 Describe relevant details of control equipment techniques (e.g. dimensions, manufacturer/model, S/N, air flow rate, etc.)

23 (Attach manufacturer brochure/information on hood or fume extractor and filter.)

24 C. OPERATING SCHEDULE

	Hrs/Day	Days/Wk	Wks/Yr
Average			
Maximum (existing)			

25 **D. MATERIAL CONSUMPTION**

26 If you have previously provided welding material usage data to the District through the previously welding survey or emission inventory requests, you do not need to complete this section if you are not proposing any changes to that information. **However, please note that these material usages may be used to establish emission or operational limitations for permits as necessary to ensure compliance with District Rules.**

27 Please provide the following information for all welding operations. Use additional sheets if necessary.

Welding Rod/Material Name	Welding Material Manufacturer	Welding Material Maximum Annual Usage (pounds/year) ¹	Welding Material Maximum Hourly Usage (pounds/hour) ²	Welding Type: (GMAW, SMAW, MIG, TIG, FCAW, SAW) ³

(Attach material safety data sheets or other manufacturer data for all welding materials where you are proposing use of a rod-specific emission rate.)⁵

(Attach a drawing of the booth/room showing ventilation ducts, fans, and air pollution control equipment. Also submit brochures for air pollution control equipment.)

¹ Maximum annual welding material usage is the maximum annual amount of each welding rod or wire or filler used. Please report this weight in pounds per year. Welding material purchase records may be used to estimate this usage if no other records are available.

² Maximum hourly welding material usage is the maximum amount of each welding rod or wire or filler used in one (1) operating hour. Please report this weight in pounds per hour. Welding material purchase records and/or operator schedules may be used to estimate this usage if no other records are available.

³ Welding Type includes: GMAW (gas metal arc welding), SMAW (shielded metal arc welding), MIG (metal inert gas welding), TIG (tungsten inert gas welding), FCAW (flux core arc welding), SAW (submerged arc welding). A rod/wire may be used under multiple welding types. The APCD needs to know how many pounds of each rod/wire was welded for each welding type. A list of common rods/wires and welding types can be found at: https://www.sdapcd.org/content/sdc/apcd/en/engineering/Permits/Engineering_Emissions_Inventory/Welding_Ca lc.html.

⁴ Indicate whether each material usage listed is existing or a proposed increase. For rods that are in use but usage is proposed to increase, please list existing usage and the proposed increase as separate lines, or all usage will be treated as proposed/increase. Records of historical usage must be attached or emissions from that usage may be treated as an emission increase under District Rules.

⁵ If SDS's are not available or cannot be provided, it is important to report the Rod/Wire Name and Rod/Wire Manufacturer so SDS's can be researched by the APCD. Manufacturer data can be provided, in lieu of the SDS, if it contains wire/rod name, manufacturer, and composition.

28 **Name of Preparer:** _____ **Title:** _____

29 **E-mail:** _____ **Phone:** __ (____) _____

30 **Signature:** _____ **Date:** _____

NOTE TO APPLICANT:

Before acting on an application for Authority to Construct or Permit to Operate, the District may require further information, plans, or specifications. Forms with insufficient information may be returned to the applicant for completion, which will cause a delay in application processing and may increase processing fees. The applicant should correspond with equipment and material manufacturers to obtain the information requested on this supplemental form.