

San Diego APCD  
Emissions Inventory Request Instructions

**WELDING OPERATIONS**

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

**MATERIAL/ PROCESS/USAGE INFORMATION**

Fill in all the data fields using the specified units and answer yes or no where requested. Each material must be reported separately, including annual usage, operation, and speciation of each rod.

**CALCULATION METHOD SELECTION**

J02 - A100 SAW 12K  
J02 - A199 Unspecified SAW  
J02 - F100 70T FCAW w/o Shielding Gas  
J02 - F101 71T FCAW w/o Shielding Gas  
J02 - F102 80S FCAW Unidentified Shielding Gas  
J02 - F103 90S FCAW Unidentified Shielding Gas  
J02 - F104 110 FCAW Unidentified Shielding Gas  
J02 - F105 308LT FCAW Unidentified Shielding Gas  
J02 - F106 309 FCAW w/o Shielding Gas  
J02 - F107 316LT FCAW w/o Shielding Gas  
J02 - F108 347 FCAW Unidentified Shielding Gas  
J02 - F109 718 FCAW Unidentified Shielding Gas  
J02 - F110 4043 FCAW Unidentified Shielding Gas  
J02 - F111 4130 FCAW Unidentified Shielding Gas  
J02 - F112 4643 FCAW Unidentified Shielding Gas  
J02 - F113 5356 FCAW Unidentified Shielding Gas  
J02 - F114 5554 FCAW Unidentified Shielding Gas  
J02 - F115 5556 FCAW Unidentified Shielding Gas  
J02 - F116 5786 FCAW Unidentified Shielding Gas  
J02 - F117 9015 FCAW Unidentified Shielding Gas  
J02 - F118 11018 FCAW Unidentified Shielding Gas  
J02 - F119 Ti-2 FCAW Unidentified Shielding Gas  
J02 - F120 INCO 62 FCAW Unidentified Shielding Gas  
J02 - F121 L-56 FCAW Unidentified Shielding Gas  
J02 - F122 RN60 FCAW Unidentified Shielding Gas  
J02 - F123 RN67 FCAW Unidentified Shielding Gas  
J02 - F199 Unspecified FCAW  
J02 - F201 70T FCAW  
J02 - F202 71T FCAW  
J02 - F203 309 FCAW  
J02 - F204 316LT FCAW  
J02 - G100 70S GMAW  
J02 - G101 80S GMAW  
J02 - G102 90S GMAW  
J02 - G103 308 GMAW  
J02 - G104 309 GMAW  
J02 - G105 316 GMAW  
J02 - G106 347 GMAW  
J02 - G107 718 GMAW  
J02 - G108 1260 GMAW  
J02 - G109 4043 GMAW  
J02 - G110 4130 GMAW  
J02 - G111 4643 GMAW  
J02 - G112 5154 GMAW  
J02 - G113 5356 GMAW

J02 - G114 5554 GMAW  
J02 - G115 5556 GMAW  
J02 - G116 5786 GMAW  
J02 - G117 9015 GMAW  
J02 - G118 Ti-2 GMAW  
J02 - G119 INCO 62 GMAW  
J02 - G120 L-56 GMAW  
J02 - G121 NiCrMo GMAW  
J02 - G122 NiCu GMAW  
J02 - G123 RN60 GMAW  
J02 - G124 RN67 GMAW  
J02 - G199 Unspecified GMAW  
J02 - M199 Metal Inert Gas Arc Welding (MIG)-Unspecified  
J02 - S100 80S SMAW  
J02 - S101 90S SMAW  
J02 - S102 308 SMAW  
J02 - S103 309 SMAW  
J02 - S104 310 SMAW  
J02 - S105 316 SMAW  
J02 - S106 347 SMAW  
J02 - S107 410 SMAW  
J02 - S108 718 SMAW  
J02 - S109 4043 SMAW  
J02 - S110 4130 SMAW  
J02 - S111 4643 SMAW  
J02 - S112 5356 SMAW  
J02 - S113 5554 SMAW  
J02 - S114 5556 SMAW  
J02 - S115 5786 SMAW  
J02 - S116 6010 SMAW  
J02 - S117 6011 SMAW  
J02 - S118 6012 SMAW  
J02 - S119 6013 SMAW  
J02 - S120 7018 SMAW  
J02 - S121 7024 SMAW  
J02 - S122 7028 SMAW  
J02 - S123 8018 SMAW  
J02 - S124 9015 SMAW  
J02 - S125 9018 SMAW  
J02 - S126 11018 SMAW  
J02 - S127 14Mn-4Cr SMAW  
J02 - S128 CoCr SMAW  
J02 - S129 Ni-CI SMAW  
J02 - S130 NiCrMo SMAW  
J02 - S131 Ti-2 SMAW  
J02 - S132 INCO 62 SMAW  
J02 - S133 L-56 SMAW  
J02 - S134 RN60 SMAW  
J02 - S135 RN67 SMAW  
J02 - S199 Unspecified SMAW  
J02 - T199 Tugsten Inert Gas Arc Welding (TIG/GTAW)-Unspecified  
J02 - X199 Unspecified Welding Process-Unspecified electrode

**Material Name:** Provide the name and the specifications if applicable, consistent with the supporting documentation provided (SDS, etc.)

**Annual Material Usage (lb/year):** Report the total amount of material used.

**Max Hourly Usage (lb/hr):** For each rod type, report the maximum amount of rod used within a one-hour (60-minute) period.

**Process Type:** Identify the specific type of welding process used with each material.

**Flux-Cored Arc Welding (FCAW) with/without Shielding Gas:** For each FCAW rod type, identify if shielding gas was applied while welding. If a single rod type was welded both with and without shielding gas, then complete two different material data requests.

**Does this rod follow an AWS Standard/Spec? (yes/no):** For each rod type, identify if the rod follows the AWS Standard/Spec.

**Device Operating Schedule:**

**Daily Operation (hours/day):** Report the average amount of hours the device operates in a typical day.

**Weekly Operation (days/week):** Report the average number of days the device operates in a typical week.

**Annual Operation (days/year):** Report the number of days the device operated during the Reporting Year.

**POLLUTANT NAME (weight percent) (Note: Report either (lb/lb rod) OR Weight Percent for emission factor. Reporting both will result in incorrect calculations)**

Material composition information is required to calculate toxic air contaminant emissions. If reporting an unspecified rod/electrode provide the SDS for each rod type, including weight percent of each pollutant in each reported material. Default District emission factors based on the specific rod type and the specific welding type will be used where SDS/site-specific information is not available or not documented. Report SDS Chromium weight percent information as Total Chromium, unless the SDS specifies the Hexavalent Chromium (Cr6+) weight percent. Input emission factors into EIS for submission either through direct entry through the 'Enter Emissions Inventory Data' module or through upload of an EIQ spreadsheet. Pollutants' names reported in the Excel EIQ spreadsheet must be consistent with EIS pollutant naming convention, otherwise the pollutant data reported may not import correctly.