

San Diego APCD  
Emissions Inventory Request Form Instructions

**METAL DEPOSITION PROCESSES**

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 INFORMATION**

Fill in all the data fields. Complete all blanks using the specified units and answer yes or no where requested. Use a separate form to report each material used for each device. Copy the blank form as needed to report each material used. On forms with pre-printed process information from a previously submitted inventory, asterisks (\*) highlight data fields that must be updated.

**Transfer Efficiency (%):** Metal deposition spray methods results in some of the material not adhering to the part being coated. Provide an estimated percent of material used that adheres to the part being coated.

**Fallout Fraction (%):** If the material does not adhere to the part, some of it will fall out (i.e., settle on the ground or elsewhere). Provide an estimated percent of material used that falls out.

**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)**

Provide the weight percent of each pollutant in each material. The District will complete this section if you provide MSDS information for each reported material.

San Diego APCD  
Emissions Inventory Request Form  
METAL DEPOSITION PROCESSES

REPORTING YEAR:

|                              |
|------------------------------|
| EIF ID :<br>SITE RECORD ID : |
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| PERMIT INFORMATION : |
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| DEVICE INFORMATION : |
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| STACK (DUCTED EMISSIONS)  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
|---|----------------|--|------------------------------|--|-----------------------------|--|---------------------------|--|----------------------------|--|-------------------------|--|----------------------------------|--|--------------------------------------|--|
| <table style="width: 100%; border-collapse: collapse;"> <tr><td style="border: none;">Diameter (ft):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Exhaust Gas Temperature (F):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Exhaust Gas Flowrate (CFM):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Height Above Ground (ft):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Control Device Description</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Capture Efficiency (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Volatile Control Efficiency (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Non-Volatile Control Efficiency (%):</td><td style="border: none;"> </td></tr> </table> | Diameter (ft): |  | Exhaust Gas Temperature (F): |  | Exhaust Gas Flowrate (CFM): |  | Height Above Ground (ft): |  | Control Device Description |  | Capture Efficiency (%): |  | Volatile Control Efficiency (%): |  | Non-Volatile Control Efficiency (%): |  |
| Diameter (ft):  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Exhaust Gas Temperature (F):  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Exhaust Gas Flowrate (CFM):   |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Height Above Ground (ft):   |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Control Device Description  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Capture Efficiency (%):   |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Volatile Control Efficiency (%):  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |
| Non-Volatile Control Efficiency (%):  |                |  |                              |  |                             |  |                           |  |                            |  |                         |  |                                  |  |                                      |  |

| RELEASE (FUGITIVE EMISSIONS)  |                          |  |                                  |  |                                      |  |                         |  |                         |  |
|---|--------------------------|--|----------------------------------|--|--------------------------------------|--|-------------------------|--|-------------------------|--|
| <table style="width: 100%; border-collapse: collapse;"> <tr><td style="border: none;">Emission Control Method:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Volatile Control Efficiency (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Non-Volatile Control Efficiency (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Additional Information:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Capture Efficiency (%):</td><td style="border: none;"> </td></tr> </table> | Emission Control Method: |  | Volatile Control Efficiency (%): |  | Non-Volatile Control Efficiency (%): |  | Additional Information: |  | Capture Efficiency (%): |  |
| Emission Control Method:  |                          |  |                                  |  |                                      |  |                         |  |                         |  |
| Volatile Control Efficiency (%):  |                          |  |                                  |  |                                      |  |                         |  |                         |  |
| Non-Volatile Control Efficiency (%):  |                          |  |                                  |  |                                      |  |                         |  |                         |  |
| Additional Information:   |                          |  |                                  |  |                                      |  |                         |  |                         |  |
| Capture Efficiency (%):   |                          |  |                                  |  |                                      |  |                         |  |                         |  |

| MATERIAL/PROCESS INFORMATION  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
|---|----------------|--|------------------------|--|-----------------------------------|--|----------------------------------|--|--------------------------|--|----------------------|--|---------------|--|-------------------------|--|------------------------|--|----------------------------|--|----------------------------|--|--------------------------------|--|---------------------------------|--|---------------------------------|--|
| <table style="width: 100%; border-collapse: collapse;"> <tr><td style="border: none;">Material Name:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Manufacturer/Supplier:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Annual Material Usage (lbs/year):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Maximum Hourly Usage (lbs/hour):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Transfer Efficiency (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Fallout Percent (%):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Process Type:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Flame Spray (yes/no):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Plasma Arc (yes/no):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Other (please describe):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">Device Operating Schedule:</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Daily Operation (hours/day):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Weekly Operation (days/week):</td><td style="border: none;"> </td></tr> <tr><td style="border: none;">- Annual Operation (days/year):</td><td style="border: none;"> </td></tr> </table> | Material Name: |  | Manufacturer/Supplier: |  | Annual Material Usage (lbs/year): |  | Maximum Hourly Usage (lbs/hour): |  | Transfer Efficiency (%): |  | Fallout Percent (%): |  | Process Type: |  | - Flame Spray (yes/no): |  | - Plasma Arc (yes/no): |  | - Other (please describe): |  | Device Operating Schedule: |  | - Daily Operation (hours/day): |  | - Weekly Operation (days/week): |  | - Annual Operation (days/year): |  |
| Material Name:  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Manufacturer/Supplier:  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Annual Material Usage (lbs/year):   |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Maximum Hourly Usage (lbs/hour):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Transfer Efficiency (%):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Fallout Percent (%):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Process Type:   |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Flame Spray (yes/no):   |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Plasma Arc (yes/no):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Other (please describe):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| Device Operating Schedule:  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Daily Operation (hours/day):  |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Weekly Operation (days/week):   |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |
| - Annual Operation (days/year):   |                |  |                        |  |                                   |  |                                  |  |                          |  |                      |  |               |  |                         |  |                        |  |                            |  |                            |  |                                |  |                                 |  |                                 |  |

| POLLUTANT NAME | Weight Percent |
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EIF ID: , SITE RECORD ID: , PERMIT: , DEVICE:

Prepared By: \_\_\_\_\_

Date: \_\_\_\_\_