

Iowa Metal Finishing Strategic Goals Program Progress Worksheet



Welcome to the Iowa Strategic Goals Program (SGP)! By participating in this program, you have made a voluntary commitment to pursue a set of performance goals that will contribute to a cleaner environment.

Your prompt completion of this two-page worksheet will help the industry track your progress toward the seven SGP goals.

1. Use this form to submit your annual data and to make any corrections or additions to previously submitted data. **COMPLETE THE FORM USING YOUR AVAILABLE DATA ON FILE. YOU DO NOT NEED TO GENERATE NEW DATA.**
2. If you are a new SGP participant, you have the option of using any year between five years ago to the present as your baseline year. Please use this form to submit your current data and baseline data (if you select an earlier year as your baseline). **(Note: Complete baseline data column ONLY IF this is your first worksheet submission or you are correcting previously submitted baseline data)**
3. In order to preserve your confidentiality, each worksheet received by the NMFRC is stripped of its contact and company information. Your facility is given a unique ID number before data are publicly displayed. **IF YOU STILL HAVE PROPRIETARY CONCERNS ABOUT THE ANONYMOUS DISPLAY OF YOUR FACILITY'S PROGRESS, MARK YOUR WORKSHEET "CONFIDENTIAL."** If marked "confidential," your data will only be use to compile aggregate industry results.
4. Progress reports are mailed to SGP participants each year. Use your company database number (DBN) to check your progress report anytime at **www.strategicgoals.org**.
5. If you have any questions concerning this form, contact George Cushnie at 703-264-0039 or send email to geoc@nmfrc.org.
6. Please return your completed worksheet to:

**Attn: Jeff Fiagle
Pollution Prevention Services
Wallace State Office Building
502 E. 9th Street
Des Moines, IA 50319**

THANK YOU!

I. Contact and Company Information

| | | | |
|------------------|-------------------------------|---------|--|
| Your Name: | | e-mail: | |
| Company Name: | | Phone: | |
| Company Address: | | Fax: | |
| City, State Zip: | | | |
| Type of Facility | () Job Shop () Captive Shop | | |

II. Accounting for Changes in Production

Please provide data for each relevant production factor that you would like to track. Be certain to provide both baseline and current year data, otherwise progress toward meeting the Goals cannot be calculated.

| Normalizing Factor | Baseline Year: _____ | Year: |
|---|---|---|
| Metal finishing sales: | \$ _____ | \$ _____ |
| Number of labor hours for people working in the metal finishing shop: | _____ hrs. | _____ hrs. |
| Other*: | Type: _____ Units: _____ Value: _____ | Type: _____ Units: _____ Value: _____ |

*If you do not track any of the above factors, select an alternative factor (e.g., pounds of product processed, amp hours, 313 Production Index) and enter type, units, and value.

III. Water and Wastewater

| | Baseline Year: _____ | Year: |
|--|-----------------------------|----------------|
| Does your facility discharge any metal finishing process wastewater? If no, go to Part IV. | () Yes () No | () Yes () No |
| Volume of raw water purchased: | _____ gal. | _____ gal. |
| Volume of metal finishing process wastewater discharged: | _____ gal. | _____ gal. |
| Average concentration of metals in wastewater for year indicated: | | |
| Cadmium | _____ mg/l | _____ mg/l |
| Chromium | _____ mg/l | _____ mg/l |
| Copper | _____ mg/l | _____ mg/l |
| Cyanide | _____ mg/l | _____ mg/l |
| Lead | _____ mg/l | _____ mg/l |
| Nickel | _____ mg/l | _____ mg/l |
| Silver | _____ mg/l | _____ mg/l |
| Zinc | _____ mg/l | _____ mg/l |

IV. Wastewater Treatment Sludge

| | Baseline Year: _____ | Year: |
|---|-----------------------------|--------------|
| Total amount of wastewater treatment sludge generated: | _____ lbs. | _____ lbs. |
| Total amount of hazardous wastewater treatment sludge that is shipped off-site for land disposal: | _____ lbs. | _____ lbs. |
| Total amount of wastewater treatment sludge that is shipped off-site for recycle/recovery: | _____ lbs. | _____ lbs. |
| Average water content of wastewater treatment sludge: | _____ % | _____ % |
| Sludge dewatering technology used (filter press, sludge dryer, etc.): | | |

V. Inorganic Emissions to Air

If your facility does not monitor air emissions of metals or cyanide, or cannot accurately estimate air emissions then go to Part VI.

| | | |
|---|-----------------------------|--------------------|
| | Baseline Year: _____ | Year: _____ |
| Quantity of metals and cyanide in air emissions for year indicated: | lbs. | lbs. |

VI. Organic Chemical Emissions to Air and Water

Examples: trichloroethylene (TCE), toluene, and methyl ethyl ketone (MEK).

| | | |
|---|-----------------------------|--------------------|
| | Baseline Year: _____ | Year: _____ |
| Quantity of organic air and water emissions for year indicated: | lbs. | lbs. |

VII. Energy Use

| | | |
|-----------------------|-----------------------------|--------------------|
| Energy Source | Baseline Year: _____ | Year: _____ |
| Electricity use: | kWh | kWh |
| Natural gas use: | therms | therms |
| Fuel oil/propane use: | gals. | gals. |

Above energy use data covers (check one): () metal finishing operations only or () entire facility.

VIII. Reduction in Human Exposure to Toxic Materials

During your reporting year:

| | |
|--|-------------------|
| a written program was in place to train new workers on workplace exposures and hazards. | () Yes () No |
| your contingency/emergency response plans were reviewed, updated, and communicated to the Local Emergency Planning Committee (LEPC). | () Yes () No |
| you established a system where all employees can generate, propose, and implement pollution prevention ideas | () Yes () No |
| you investigated opportunities to substitute hazardous chemicals with non-hazardous or less hazardous chemicals | () Yes () No |

IX. Resource Utilization & Compliance-Related Unit Costs

The following information is used to calculate environmental-related costs for your facility. The SGP will send you an environmental and cost report.

| |
|---|
| During your reporting year , how much did you pay for - • one thousand gallons of water: _____ \$/1000 gal. (include water and sewer charges) • one unit of electricity: _____ \$/kWh. • one unit of natural gas: _____ \$/therms. • one unit of fuel oil/propane: _____ \$/gal. • one pound of sludge sent to a landfill or for recycle: _____ \$/lb. (include transportation, disposal/recycle) |
| During your reporting year , how much did you pay for laboratory analysis of wastewater and sludge samples: _____ \$/year |

I certify this document was prepared under my direction or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

Signed _____ Date _____

Title _____