



# Annual Performance Report

OMB No. 2010-0032  
Expiration Date: 06/30/03

**Facility Name:** Wacker Siltronic Corporation  
**Performance Track ID #:** A100006  
**Annual Performance Report #:** 1  
**Reporting Year:** 2001  
**Due Date:** 07/01/2002

## Section A. General Facility Information

Please supply or revise information in A.1 – A.8 as is necessary to ensure that it is accurate, complete, and up-to-date. Items A.9 and A.10 cannot be pre-completed; please respond as directed in A.9 and A.10 below.

**A.1 Name of your facility:** Wacker Siltronic Corporation

**A.2 Name of your parent company:** Wacker Chemie GMBH

**A.3 Facility contact person for the Performance Track program:**

**Name:** Mr. Thomas C. McCue

**Title:** Environmental Manager

**Phone:** (503) 219-7532

**Fax:** (503) 219-7599

**E-mail:** tom\_mccue@siltronic.com

**A.4 Facility's location**

**Street Address:** 7200 NW Front Avenue

**Address (cont.):**

**City:** Portland

**State:** OR

**Zip Code:** 97210-3676

**A.5 Facility's Website address (if any):**

www.wacker-siltronic.com

**A.6 Number of employees (full-time equivalents) who currently work in the facility:**

More than 1000

**A.7 Does your company meet the Small Business Administration definition of a small business for your sector?**

No

**A.8 North American Industrial Classification System (NAICS) Code(s) that are used to classify business at the facility:**

334413

**A.9 In your application and, perhaps, in previous annual performance reports, you described what your facility does or makes. Have there been any (additional) changes to your facility's list of products and/or activities? If so, please list them here:**

No

**A.10 Please update the list of environmental requirements that apply to your facility by listing any changes that have taken place during this reporting period. If you have no changes to report, please enter "No changes".**

No changes.

**Section B.  
Environmental Management System**

**B.1 Environmental Management System Assessment. Please summarize EMS assessments conducted *during the year*.**

**a. Was an EMS audit or other assessment done by an independent third party?**

Yes

**If yes, please provide the type (e.g., ISO 14001 certification), the scope, and the dates (mo/yr) of each assessment.**

Type	Scope	Dates (mo/yr)
ISO 14001	Certification Audit	01/00
ISO 14001	Conformance Audit	06/00
ISO 14001	Conformance Audit	01/01
ISO 14001	Conformance Audit	08/01

**b. Was an internal or corporate EMS audit conducted?** Yes

**If yes, please provide the scope and dates (mo/yr) of each audit.**

Scope	Date (mo/yr)
All components of the EMS.	05/01
Internal cross-site audit of the EMS (Singapore Facility).	03/02
All components of the EMS.	05/02

**c. Was a compliance audit conducted?**

Yes

**If yes, please provide the scope and the dates (mo/yr) of each audit, and indicate who conducted the audit(s) (e.g., facility staff, corporate groups, third party).**

Scope	Dates	Who conducted the audit
Compliance Audit of all areas by third party consultant	02/01	MFA, Inc.
Water Quality Joint Inspection	02/00	Oregon DEQ and EPA
Water Quality Inspection	05/01	Oregon DEQ
Water Quality Inspection	06/01	City of Portland, OR

**d. (Optional) If you would like to describe any other audits or inspections that were conducted at your facility, please do so here.**

Water Quality Inspection by City of Portland (12/01); Air Quality Inspection by Oregon DEQ (12/01); Pre-ISO audit assessments conducted internally throughout the year; Daily inspections of all pollution control devices; Weekly inspections of waste accumulation areas; Monthly review of air emission data and chemical usage; Periodic audits of records and training.

**e. Briefly summarize corrective actions taken and other improvements made as a result of your EMS assessments and compliance audit**

1. Increased frequency of stormwater system maintenance to reduce TSS levels.

2. Replaced roof top oil mist eliminator with thermal oxidizer to eliminate potential stormwater runoff.
3. Stenciled storm drain catch basins as a reminder to dump no waste in catch basins.
4. Improved housekeeping in soil waste collection area.
5. Worked with chemical vendor to implement a poly drum re-use program, thereby reducing the number of poly drums being disposed or sent for recycling.
6. Cleaned moss and debris from secondary containment trench.
7. Clarified duties of Incident Commander in Emergency Response Plan.
8. Sent copies of Emergency Response Plan to local agencies.
9. Eliminated oil mist escaping from compressor building.
10. Sealed secondary containment for electrical transformer.

**f. Has your facility corrected all instances of potential non-compliance and EMS non-conformance identified during your audits and other assessments?**

Yes

**If no, please explain your plans to correct these instances.**

**g. When was the last Senior Management review of your EMS completed?**

06/02

**Who headed the review? Name:** Mr. Thomas C. McCue **Title:** Environmental Manager

**B.2 ISO 14001 Certification. Is your facility currently certified to ISO 14001?**

Yes

**B.3 Environmental Aspects Identification. When did your facility last conduct a systematic identification and/or review of your environmental aspects?**

01/02

**B.4 Progress Toward Achieving Objectives and Targets. In the table below, please provide a narrative summary of progress made toward EMS objectives and targets. You may limit the summary to environmental aspects that are *significant* and towards which progress has been made during the *reporting year*. In cases where *progress* relates specifically to a Performance Track performance commitment, complete the Environmental Aspect column, but in the *Progress* column simply refer to the performance commitment tables in Section C, i.e. "See Section C."**

<b><i>Environmental Aspect</i></b>	<b><i>Progress Made This Year</i></b> <b>(e.g., quantitative or qualitative improvements, activities conducted)</b>
Reduce Releases to Air (Volatile organic compounds emission)	See Section C (Performance Commitment 3)
Reduce Releases to Air (Inorganic compounds)	Replaced scrubbers in order to improve removal of hydrogen chloride and silicon dioxide
Reduce Hazardous Waste (Wax from wax-mounting process)	Replaced wax dispensing system with new pump in order to reduce hazardous waste generation.
Resource Conservation - Water, Energy, Chemicals (Caustic pellets)	Reduced consumption of caustic etch baths by lengthening the life of the baths and lowering the concentration.
Resource Conservation - Water, Energy, Chemicals (Refrigerant R-22)	Eliminated Freon-based chillers used for temperature control.

**Section C.  
Environmental Performance Commitments**

Please use the tables below to summarize your facility's environmental performance against your Performance Track performance commitments. Complete only those boxes related to the baseline, current year, and performance commitment.

**C.1 Performance Commitment 1**

a. Use this table to report data related to your first performance commitment.

<b>Category:</b>	<b>Waste</b>				
<b>Aspect :</b>	<b>Total Solid Waste</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>2432180</b>	<b>987520</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>lbs</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>0.99</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Production (thousands of units produced, weighted for heterogeneity)</b>				
<b>Normalized Quantity* (per year)</b>	<b>2432180</b>	<b>997494.9</b>			<b>2173220</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Wacker Siltronic Corporation (WSC) committed to reducing the solid waste going to the landfill. To this end, WSC made a number of improvements to its recycling and re-use programs which has reduced the solid waste going to the landfill from 2,432,180 pounds in 1999 to 987,520 pounds in 2001. These include the development and implementation of programs to re-use wood pallets, recycle scrap wood, sludge, plastic film and plastic drums. We recycled 2,935,120 pounds in 2001 which increased our recycling rate from 44.9% in 1999 to 74.8% in 2001.

If you have additional information that you would like to include please attach it here:

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None others.

## C.2 Performance Commitment 2

- a. Use this table to report data related to your second performance commitment.

<b>Category :</b>	<b>Preservation/Restoration</b>				
<b>Aspect :</b>	<b>Habitat Impacts</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>0</b>	<b>3</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>acres</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>1</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>none</b>				
<b>Normalized Quantity* (per year)</b>	<b>0</b>	<b>3</b>			<b>1.3</b>
<b>*Calculated for you</b>					

- b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Wacker Siltronic funded a 3 acre riparian enhancement at the Children's Arboretum, Portland, OR. This project included site preparation, tree and shrub planting, and maintenance of riparian and upland areas near the Columbia Slough or its tributaries. The primary goal of the project was to improve water quality by shading and buffereing water bodies with vegetation. Wacker Siltronic is maintaining an ongoing commitment to the mainteance of the riverbank and all onsite landscaping. Wacker Siltronic is also committed to minimizing the use of fertilizers and herbicides. The project is now complete.

**Attach:**

Any attachments will be located at the end of the report.

- c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None others.

**C.3 Performance Commitment 3**

a. Use this table to report data related to your third performance commitment.

<b>Category :</b>	<b>Air Emissions</b>				
<b>Aspect :</b>	<b>Emissions of VOCs</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>4550</b>	<b>3949</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>lbs</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>0.99</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Production (thousands of units produced, weighted for heterogeneity)</b>				
<b>Normalized Quantity* (per year)</b>	<b>4550</b>	<b>3988.9</b>			<b>3640</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Polishing process modifications to reduce consumption of VOC-based wax by an estimated 20%. Other VOC uses (paint, IPA, etc.) will also be evaluated.

**Attach:**

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None others.

**C.4 Performance Commitment 4**

a. Use this table to report data related to your fourth performance commitment.

<b>Category :</b>	<b>Materials Use</b>				
<b>Aspect :</b>	<b>Recycled/Reused Materials Use</b>				
	<b>Aspect Specifics (Optional):</b>				
	<b>Baseline (as stated in your application)</b>	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Performance Commitment (the goal stated in your application)</b>
<b>Calendar Year</b>	<b>1999</b>	<b>2001</b>	<b>2002</b>	<b>2003</b>	<b>2003</b>
<b>Actual Quantity (per year)</b>	<b>120</b>	<b>158</b>			<b>Optional:</b>
<b>Measurement Units</b>	<b>tons</b>				
<b>Normalizing Factor</b>	<b>1.0</b>	<b>0.99</b>			<b>Optional:</b>
<b>Basis for your Normalizing Factor</b>	<b>Production (thousands of units produced, weighted for heterogeneity)</b>				
<b>Normalized Quantity* (per year)</b>	<b>120</b>	<b>159.6</b>			<b>250</b>
<b>*Calculated for you</b>					

b. Briefly describe how you achieved improvements for this aspect or, if relevant, any circumstances that delayed progress.

Continuous process improvement of silicon carbide recycling system.

**Attach:**

Any attachments will be located at the end of the report.

c. Please list any other EPA voluntary programs to which you are also reporting these data (e.g. Energy Star, Project XL).

None others.





**Section D.  
Public Outreach and Performance Reporting**

**D.1 Please briefly summarize the public outreach and reporting activities that your facility has conducted during the year. Feel free, but not obligated, to attach supporting materials (e.g., meeting agendas, public announcements).**

1. Copies of the Corporate Environmental Policy are available to employees, contractors, visitors and the public at the main entrances to each building, and will be sent to stakeholders upon request.
2. Facility tours are conducted by the Training Department to increase understanding of how the facility operates and improve community relations.
3. Stakeholder concerns are included in the Aspect analysis and addressed during the quarterly EMS management reviews.
4. Participate in numerous Voluntary Environmental Programs and Advisory Panels to keep informed of community interests and to share our expertise with others to help build strong environmental programs in the community.
5. Encourage employees to become aware of their impact on the environment and to get involved to help reduce our impacts so that together we can build sustainable business practices.

**Attachment:**

Any attachments will be located at the end of the report.

**D.2 Please indicate which of the following methods your facility plans to use to make its Performance Track Annual Report available to the public. Please check as many as appropriate.**

Web Site  
Other

**URL:** [www.siltronic-wacker.com](http://www.siltronic-wacker.com)

**Other:** International Environment Report of environmental performance at all Wacker sites worldwide.

**Section E.  
Self-Certification of Continued Program Participation**

On behalf of **Wacker Siltronic Corporation,**  
(name of my facility)

I certify that

- I have read and agree to the terms and conditions as specified in the *National Environmental Performance Track Program Guide*. This facility, to the best of my knowledge, continues to meet all program criteria;
- I have personally examined and am familiar with the information contained in this Annual Performance Report. The information contained in this report is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete;
- My facility has an environmental management system (EMS), as defined in the Performance Track EMS criteria, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements; and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessments and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environment Performance Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior manager with responsibility for the facility and am fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is part of the National Environmental Performance Track program.

Signature/Date

Printed Name

Mr. James R. Ellis

Title

President

Phone Number

(503) 219-7500

E-mail Address

Jim\_Ellis@siltronic.com

Facility Name

Wacker Siltronic Corporation

Facility Street Address

7200 NW Front Avenue

Portland, OR 97210-3676

Performance Track ID#

A100006

**Appendix:****Do you want to add Appendix?****When adding additional comments, please refer to question number.****Comments:****Attachment:**

Paperwork Reduction Act Notice

The public reporting and recordkeeping burden for this collection information is estimated to average 188 hours per respondent annually. Burden means the total time, effort, or financial resources expended by persons to generate, maintain, retain, or disclose or provide information to or for a Federal agency. This includes the time needed to review instructions; develop, acquire, install, and utilize technology and systems for the purposes of collecting, validating, and verifying information, processing and maintaining information, and disclosing and providing information; adjust the existing ways to comply with any previously applicable instructions and requirements; train personnel to be able to respond to a collection of information; search data sources; complete and review the collection of information; and transmit or otherwise disclose the information. An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number.

Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.