



*Annual Performance Report Form*

**Facility Name:** Rohm and Haas Kankakee Polymer Plant

**Performance Track ID #:** A05-0035

**Annual Performance Report #:** 1

**Reporting Year:** 2001

**Due Date:** July 1, 2002

## Section A

# General Facility Information

To the extent possible, EPA will pre-complete items A.1-A.8 for you. Please ensure that the information in A.1-A.8 below is accurate, complete, and up to date. Please supply or revise any information as necessary and then check the box to the left of the item(s) to indicate where changes have been made. Items A.9 and A.10 cannot be pre-completed; please respond as directed in A.9 and A.10 below.

*Did you make changes? If so, check box.*

- A.1  Name of your facility: Rohm and Haas Kankakee Polymer Plant
- A.2  Name of your parent company: Rohm and Haas Company
- A.3  Facility contact person for the Performance Track program  
Name: Mr./Mrs./Ms./Dr. Mr. Gary McFarlin  
Title: Plant Manager  
Phone: 815-935-7713 Fax: 815-933-2357 E-mail: gmcfarli@rohmmaas.com
- A.4  Facility's location  
Street Address: 1400 Harvard Drive  
Street Address (cont.):  
City/State/Zip Code: Kankakee, Illinois 60901
- A.5  Facility's website address (if any):
- A.6  Number of employees (full-time equivalents) who currently work in the facility:  
 Fewer than 50  50 - 99  100 - 499  500 - 1000  More than 1000
- A.7  Does your company meet the Small Business Administration definition of a small business for your sector?  Yes  No
- A.8  North American Industrial Classification System (NAICS) Code(s) that are used to classify business at the facility: 325211
- 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 in the space below.  Yes  No
- A.10  Please update the list of environmental requirements that apply to your facility. In the space below, indicate any changes that have taken place during this reporting period. If you have no changes to report, please write "No changes."  
No Changes.

## Section B

# Environmental Management System

**B.1 Environmental Management System Assessment.** Please summarize EMS assessments conducted *during the year*. Attach additional sheets as necessary.

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

Yes  No

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

A consultant was hired to do a gap analysis of the existing Kankakee Plant EMS on October 2, 2001. This review included procedure assessments, individual interviews, as well as an on-site inspection of the overall system.

b. Was an internal or corporate EMS audit conducted?  Yes  No

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

c. Was a compliance audit conducted?  Yes  No

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).

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

# Section B

(continued)

B.1

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

EMS Implementation: The third party assessment resulted in several recommendations for EMS Program improvements at the Kankakee Plant. The consultant who performed the assessment was retained to assist plant personnel in the development of specific program improvements. The most significant improvements to the existing program include a revised methodology for ranking environmental aspects and the combining of the environmental monitoring/measurement and critical equipment lists into one procedure.

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

Yes  No  No such instances identified

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

g. When was the last Senior Management review of your EMS completed? *mo/yr* 11/2001

Who headed the review?

Name: Mr./Mrs./Ms./Dr. Mr. Craig Rosenow

Title: EHS Manager

# Section B

(continued)

**B.2 ISO 14001 Certification.** Is your facility currently certified to ISO 14001?  Yes  No

**B.3 Environmental Aspects Identification.** When did your facility last conduct a systematic identification and/or review of your environmental aspects? *mo/yr* 04/02

**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." Attach additional sheets as necessary.

<i>Environmental Aspect</i>	<i>Progress Made This Year</i> (e.g., quantitative or qualitative improvements, activities conducted)
Solid Waste	See Section C
Hazardous Material Usage	See Section C
Water Usage	See Section C
Energy Usage	See Section C
Wastewater	The plant installed improved instrumentation and controls on the cooling tower blowdown system to ensure that a minimum amount of water is discharged to the POTW. Prior to the change, the system controls were not demonstrating the ability to minimize the discharge on a reliable basis.

# Section C

## Environmental Performance Commitments

Please use the tables on pages 6-9 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. If any of the boxes have been pre-completed for you, please verify the information. If you find information that is incorrect, cross it out and write in the correct information. **Leave blank any columns for future reporting years.**

C.1

### Performance Commitment 1

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

<b>Category</b> (see page 16 of the instructions): Waste					
<b>Aspect</b> (see page 16 of the instructions): Total Solid Waste					
	<i>Baseline (as stated in your application)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Performance Commitment (the goal stated in your application)</i>
<i>Calendar Year</i>	2000	2001			2003
<i>Actual Quantity (per year)</i>	48	36			0 (optional)
<i>Measurement Units</i>	Tons/Yr				
<i>Normalizing Factor*</i>	1.0	1.15			(optional)
<i>Basis for your Normalizing Factor*</i>	Usage of the raw material.				
<i>Normalized Quantity* (per year)</i>	48	31.3			0
*See pages 17-19 of the instructions for more information					

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

A bulk handling system was installed in 2001 which eliminated the usage of disposable containers for an organic peroxide and replaced them with re-usable totes. This change improved plant safety and eliminated the waste containers for this organic peroxide, which were previously sent to a landfill when emptied. Note that the conversion from CY/Yr to Tons/Yr is based upon estimated weights and densities.

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

N/A

# Section C

(continued)

## C.2 Performance Commitment 2

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

<b>Category</b> (see page 16 of the instructions): Materials Use					
<b>Aspect</b> (see page 16 of the instructions): Hazardous Materials Use					
	<i>Baseline</i> (as stated in your application)	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Performance Commitment</i> (the goal stated in your application)
<i>Calendar Year</i>	2000	2001			2003
<i>Actual Quantity</i> (per year)	155,600	0			0 (optional)
<i>Measurement Units</i>	Lbs/Yr				
<i>Normalizing Factor*</i>	1.0	1.0			(optional)
<i>Basis for your Normalizing Factor*</i>	Volume of High Purity Water Produced				
<i>Normalized Quantity*</i> (per year)	155,600	0			0
*See pages 17-19 of the instructions for more information					

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

New process equipment was installed in December of 2000 which reduced the overall usage of two hazardous chemicals (acid and base) in the facility. This process change permanently eliminated the need to routinely use these hazardous materials during the manufacturing of one of the high purity water streams in the facility.

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

N/A

# Section C

(continued)

## C.3 Performance Commitment 3

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

<b>Category</b> (see page 16 of the instructions): Water Use					
<b>Aspect</b> (see page 16 of the instructions): Total Water Use					
	<i>Baseline</i> <i>(as stated in</i> <i>your application)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Performance</i> <i>Commitment</i> <i>(the goal stated</i> <i>in your</i> <i>application)</i>
<i>Calendar Year</i>	2000	2001			2003
<i>Actual Quantity</i> <i>(per year)</i>	529,200	148,680			308,700 (optional)
<i>Measurement Units</i>	Gallons/Yr				
<i>Normalizing</i> <i>Factor*</i>	1.0	1.0			(optional)
<i>Basis for your</i> <i>Normalizing Factor*</i>	Gallons of Soft Water Produced				
<i>Normalized Quantity*</i> <i>(per year)</i>	529,200	148,680			308,700
*See pages 17-19 of the instructions for more information					

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

In December of 2000 the plant completed the installation of new softner beds and automated controls which allowed for more efficient usage of water during regenerations.

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

N/A

# Section C

(continued)

## C.4 Performance Commitment 4

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

<b>Category</b> (see page 16 of the instructions): Energy Use					
<b>Aspect</b> (see page 16 of the instructions): Total Energy Use					
	<i>Baseline (as stated in your application)</i>	<i>Year 1</i>	<i>Year 2</i>	<i>Year 3</i>	<i>Performance Commitment (the goal stated in your application)</i>
<i>Calendar Year</i>	2000	2001			2003
<i>Actual Quantity (per year)</i>	500,000	0			0 (optional)
<i>Measurement Units</i>	Btu/Yr				
<i>Normalizing Factor*</i>	1.0	1.0			(optional)
<i>Basis for your Normalizing Factor*</i>	Utilitization Time for the Heat Exchanger				
<i>Normalized Quantity* (per year)</i>	500,000	0			0
*See pages 15-17 of the instructions for more information					

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

The plant installed a new heat exchanger with the necessary equipment to recover the hot condensate. This installation of equipment was completed in calendar year 2000 and the condensate recovery immediately commenced. This reduction in BTU's lost at the heat exchanger directly reduced the amount of energy consumed in a plant boiler to produce steam. The Normalizing Factor is assumed to be 1.0 based upon the method of operation for the exchanger.

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

N/A

## 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).

The Rohm and Haas Kankakee Polymer Plant routinely utilizes its Community Advisory Panel (CAP) for public outreach efforts. As in prior years, the plant's environmental performance against objectives, annual emissions and waste generation levels, and pollution prevention results have been shared with the CAP. The CAP remains an important and visible method of communication to the public for the plant.

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

- Website (URL <http://www.rohmhaas.com/EHS>)
- Open House
- Meetings
- Press Releases
- Community Advisory Panel
- Other

## Section E

# Self-Certification of Continued Program Participation

On behalf of Rohm and Haas - Kankakee Polymer Plant,  
(name of my facility)

I certify that

- ◆ I have read and agree to the terms and conditions 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; and
- ◆ 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 Environmental 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./Mrs./Ms./Dr. Mr. Gary McFarlin

Title Plant Manager

Phone Number/E-mail Address 815-935-7719/gmcfarli@rohmmaas.com

Facility Name Rohm and Haas - Kankakee Polymer Plant

Facility Street Address 1400 Harvard Drive

Performance Track Identification Number A05-0035

### **Paperwork Reduction Act Notice**

The public reporting and recordkeeping burden for this collection of 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.