



# *National Environmental Achievement Track*

## *Application Form*

Ciba Specialty Chemicals, Newport Site

Name of facility

Ciba Specialty Chemicals

Name of parent company (if any)

205 South James St.

Street address

Street address (continued)

Newport, DE 19804

City/State/Zip code

Give us information about your contact person for the  
National Environmental Achievement Track Program.

Name Matthew D. Watson

Title Director, Environment, Health & Safety

Phone 302 992 5726

Fax 302 992 9371

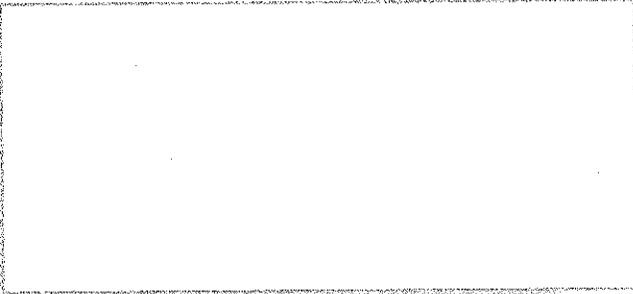
E-mail matthew.watson@cibasc.com

***Why do we need this information?***

EPA needs background information on your facility to evaluate your application.

***What do you need to do?***

- Provide background information on your facility.
- Identify your environmental requirements.



1 What do you do or make at your facility?

Ciba Newport manufactures high quality organic pigments for the paints, plastics and inks industries. We manufacture two types of pigments; Quinacridone (QA) and Diketo Pyrolo Pyrol (DPP).

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC  
2865

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

Yes       No

4 How many employees (full-time equivalents) currently work at your facility?

- Fewer than 50
- 50-99
- 100-499
- 500-1,000
- More than 1,000



5 Does your facility have an EPA ID number(s)?

Yes       No

If yes, list in the right-hand column.

DED980830400

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right *or* enclose a completed Checklist with your application.

Refer to attached checklist.

7 Check the appropriate box in the right-hand column.

I've listed the requirements above.

I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

The Newport Site is ISO 14001 registered for its environmental management program.

***Why do we need this information?***

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

***What do you need to do?***

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.



**1** Check **yes** if your EMS meets the requirements for each element below as defined in the instructions.

- a.* Environmental policy  Yes
- b.* Planning  Yes
- c.* Implementation and operation  Yes
- d.* Checking and corrective action  Yes
- e.* Management review  Yes

**2** Have you completed at least one EMS cycle (plan-do-check-act)?  Yes

**3** Did this cycle include both an EMS and a compliance audit?  Yes

**4** Have you completed an objective self-assessment or third-party assessment of your EMS?  Yes

If yes, what method of EMS assessment did you use?

- Self-assessment
  - GEMI  Other
  - CEMP
- Third-party assessment
  - ISO 14001 Certification
  - Other

**Why do we need this information?**

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

**What do you need to do?**

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

**Note to small facilities:** If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

**First aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Reduction of methanol to sewer system	5000	lbs/day	500	lbs/day
i. How is the current level an improvement over the previous level? Emissions of methanol have been reduced by an order-of-magnitude due to replacement of the existing QA synthesis process with a new, state-of-the-art manufacturing facility.				
ii. How did you achieve this improvement? Re-design of the existing process and construction of a new plant.				

**Second aspect you've selected**

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
By 2001, decrease raw materials utilization per pound of QA by 50%, using 1993 as the baseline.	18	lbs/lb product	10	lbs/lb product
<p>i. How is the current level an improvement over the previous level? Reduction YTD of ca. 55% raw materials.</p> <p>ii. How did you achieve this improvement? Through process review and material substitution. Recycling of solvents was also a large contributor. QA Mixed alcohols were previously incinerated as hazardous wastes. It was determined that these solvents could be beneficially reclaimed and brought back to the process. Now, 6.5 million pounds of solvents are recycled in the process.</p>				

2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

**Note to small facilities:** If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

**First aspect you've selected**

a. What is the aspect? Energy Use

b. Is this aspect identified as significant in your EMS?  Yes  No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

<input type="checkbox"/> Option A: Absolute value	(Quantity/Units)
<input checked="" type="checkbox"/> Option B: In terms of units of production or output	266,595 mmBTU/lb (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

- Option A:  
Absolute value (Quantity/Units)
- Option B:  
In terms of units of production or output 232,570 mmBTU/lb (Quantity/Units)

e. How will you achieve this improvement?

Ciba Newport is committed to reduction of ca. 13% over the next 3 years by optimization of our solvent recovery process, control of heating and cooling in buildings and improvement in utilities such as nitrogen and steam generation plants. We track our progress quarterly and provide input to site management via our management review process.

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### **Second aspect you've selected**

a. What is the aspect?

Air Emissions - emission of toxics

b. Is this aspect identified as significant in your EMS?

Yes  No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

Option A:  
Absolute value 81,820 lbs/yr (Quantity/Units)

Option B:  
In terms of units of production or output (Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

Option A:  
Absolute value 24,294 lbs/yr (Quantity/Units)

Option B:  
In terms of units of production or output (Quantity/Units)

e. How will you achieve this improvement?

The Newport Site has a thermal oxidation unit (TOU) that incinerates process off-gases. As improvements are made to the operations, more sources are being connected to the TOU. In addition, several sources of VOC emissions have been eliminated through introduction of our new Phenix QA process.

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**Third aspect you've selected**

- a. What is the aspect?
- b. Is this aspect identified as significant in your EMS?
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.
- e. How will you achieve this improvement?

**Air Emissions - NOx emissions reductions**

- Yes  No
- Option A:  
Absolute value 23,981 lbs/yr  
(Quantity/Units)
- Option B:  
In terms of  
units of production  
or output (Quantity/Units)
- Option A:  
Absolute value 10,980 lbs/yr  
(Quantity/Units)
- Option B:  
In terms of  
units of production  
or output (Quantity/Units)

This reduction is the result of several initiatives regarding NOx reduction. A capital project was completed to replace two steam generating boilers with low NOx burner technology, providing a reduction of 8,000 lbs/yr. In addition, a heating unit has been decommissioned, further reducing NOx emission by 3,000 lbs.

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**Fourth aspect you've selected**

- a. What is the aspect?
- b. Is this aspect identified as significant in your EMS?
- c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.
- d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

**Waste Hazardous waste generation**

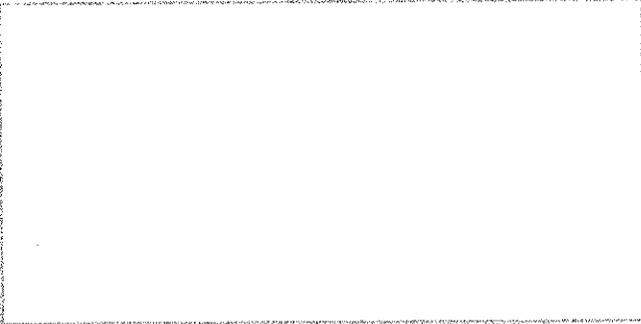
- Yes  No
- Option A:  
Absolute value 1,500,000 lbs/yr  
(Quantity/Units)
- Option B:  
In terms of  
units of production  
or output (Quantity/Units)
- Option A:  
Absolute value 600,000 lbs/yr  
(Quantity/Units)
- Option B:  
In terms of  
units of production  
or output (Quantity/Units)

e. How will you achieve this improvement?

Newport has already reduced hazardous waste generation via reclassification of QA mixed alcohols, resulting in a 6 million lb/yr decrease. The target now is to recycle back into the process DPP alcohols, which are currently incinerated as hazardous waste. This will allow the reduction of ca. 900,000 lbs of waste, which will be reclaimed. Long range targets include the reduction of 400,000 lbs of remaining wastes, to be burned as a comparable fuel.

***Why do we need this information?***

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.



***What do you need to do?***

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

**1** How do you identify and respond to community concerns?

Newport is an active member of the American Chemical Council (formerly CMA) and adheres to all the codes of Responsible Care. We have an active community action program, and we received the 1999 award for best industry for community outreach (article attached). The community is updated continuously of ongoing programs at the Site, and Ciba publishes an external communication (Community Palette) which focuses on current issues and performance. We have a community complaint system that requires any complaint be answered within 1 hour 24 hours/day. We also are involved with local activities such as the annual Christina River Cleanup and donations to local schools. Employees volunteer for mentoring programs as well.

**2** How do you inform community members of important matters that affect them?

**3** How will you make the Achievement Track Annual Performance Report available to the public?

- Website www.
- Newspaper
- Open Houses
- Other

4 Are there any ongoing citizen suits against your facility?  Yes  No

If yes, describe briefly in the right-hand column.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	Town of Newport	Mayor Don Mulrine	302 994 6403
<i>State/Local Regulator</i>	State of Delaware - Department of Natural Resources and Environmental Control	Nick DiPasquale, Secretary	302 739 4403
<i>Other community/local reference</i>	New Castle County	Jim Houston, Department Head	302 323 2611

On behalf of Ciba Specialty Chemicals, Newport Site  
[my facility],



I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, 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 assessment 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 Achievement 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 facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date  8.25.00

Printed Name/Title Philip King  
Vice President, US Business Operations

Facility Name Ciba Specialty Chemicals

Facility Street Address 205 South James St.

Facility ID Numbers NPDES 0000400  
DED9808300400

Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail  
ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center  
c/o Industrial Economics Incorporated  
2067 Massachusetts Avenue  
Cambridge, MA 02140

# National Environmental Achievement Track

## Environmental Requirements Checklist

The following *Checklist* is provided to assist facilities in answering *Section A, Tell us about your facility,* Question 6. The *Checklist* is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The *Checklist* is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility. .

If you use this *Checklist* and choose to submit it with your application, fill in your facility information below and enclose the completed *Checklist* with your application (see instructions).

Facility Name:

CIBA SPECIALTY CHEMICALS

Facility Location:

NEWPORT, DE.

Facility ID Number(s):

DED 980830400

(attach additional sheets if necessary)

### Air Pollution Regulations

Check All  
That Apply

- |     |  |                                     |
|-----|--|-------------------------------------|
| 1.  | National Emission Standards for Hazardous Air Pollutants (40 CFR 61) | <input checked="" type="checkbox"/> |
| 2.  | Permits and Registration of Air Pollution Sources                    | <input checked="" type="checkbox"/> |
| 3.  | General Emission Standards, Prohibitions and Restrictions            | <input checked="" type="checkbox"/> |
| 4.  | Control of Incinerators  | <input checked="" type="checkbox"/> |
| 5.  | Process Industry Emission Standards                                  | <input checked="" type="checkbox"/> |
| 6.  | Control of Fuel Burning Equipment                                    | <input checked="" type="checkbox"/> |
| 7.  | Control of VOCs  | <input checked="" type="checkbox"/> |
| 8.  | Sampling, Testing and Reporting                                      | <input checked="" type="checkbox"/> |
| 9.  | Visible Emissions Standards  | <input checked="" type="checkbox"/> |
| 10. | Control of Fugitive Dust   | <input checked="" type="checkbox"/> |
| 11. | Toxic Air Pollutants Control   | <input checked="" type="checkbox"/> |
| 12. | Vehicle Emissions Inspections and Testing                            | <input type="checkbox"/>            |

Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above (identify)

- |     |                |                                     |
|-----|----------------|-------------------------------------|
| 13. | <u>TITLE V</u> | <input checked="" type="checkbox"/> |
| 14. | _____          | <input type="checkbox"/>            |

**Hazardous Waste Management Regulations**

- 1. Identification and Listing of Hazardous Waste (40 CFR 261)
  - Characteristic Waste
  - Listed Waste
- 2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
  - Manifesting
  - Pre-transport requirements
  - Record keeping/reporting
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
  - Transfer facility requirements
  - Manifest system and record-keeping
  - Hazardous waste discharges
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
  - General facility standards
  - Preparedness and prevention
  - Contingency plan and emergency procedures
  - Manifest system, Record keeping and reporting
  - Groundwater protection
  - Financial requirements
  - Use and management of containers
  - Tanks
  - Waste piles
  - Land treatment
  - Incinerators
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265)
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267)
- 7. Administered Permit Program (Part B) (40 CFR 270)

**Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (*identify*)**

- 8. \_\_\_\_\_
- 9. \_\_\_\_\_

**Hazardous Materials Management**

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153)
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302)
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173)
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200)
- 5. Community Right-to-Know Regulations (40 CFR 350-372)

**Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)**

6. \_\_\_\_\_
7. \_\_\_\_\_

**Solid Waste Management**

1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257)
2. Permit Requirements for Solid Waste Disposal Facilities
3. Installation of Systems of Refuse Disposal
4. Solid Waste Storage and Removal Requirements
5. Disposal Requirements for Special Wastes

**Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)**

6. \_\_\_\_\_
7. \_\_\_\_\_

**Water Pollution Control Requirements**

1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112)
2. Designation of Hazardous Substances (40 CFR 116)
3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117)
4. NPDES Permit Requirements (40 CFR 122)
5. Toxic Pollutant Effluent Standards (40 CFR 129)
6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403)
7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414)
8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415)
9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416)
10. Water Quality Standards
11. Effluent Limitations for Direct Dischargers
12. Permit Monitoring/Reporting Requirements
13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants
14. Collection, Handling, Processing of Sewage Sludge
15. Oil Discharge Containment, Control and Cleanup
16. Standards Applicable to Indirect Discharges (Pretreatment)

**Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above** *(identify)*

- 17. \_\_\_\_\_
- 18. \_\_\_\_\_

**Drinking Water Regulations**

- 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146)
- 2. National Primary Drinking Water Standards (40 CFR 141)
- 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141)
- 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources
- 5. Underground Injection Control Requirements
- 6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems

**Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above** *(identify)*

- 7. \_\_\_\_\_
- 8. \_\_\_\_\_

**Toxic Substances**

- 1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704)
- 2. Import and Export of Chemicals (40 CFR 707)
- 3. Chemical Substances Inventory Reporting Requirements (40 CFR 710)
- 4. Chemical Information Rules (40 CFR 712)
- 5. Health and Safety Data Reporting (40 CFR 716)
- 6. Pre-Manufacture Notifications (40 CFR 720)
- 7. PCB Distribution Use, Storage and Disposal (40 CFR 761)
- 8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762)
- 9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775)

**Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above** *(identify)*

- 10. \_\_\_\_\_
- 11. \_\_\_\_\_

**Pesticide Regulations**

- 1. FIFRA Pesticide Use Classification (40 CFR 162)
- 2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165)
- 3. Certification of Pesticide Applications (40 CFR 171)
- 4. Pesticide Licensing Requirements
- 5. Labeling of Pesticides
- 6. Pesticide Sales, Permits, Records, Application and Disposal Requirements
- 7. Disposal of Pesticide Containers
- 8. Restricted Use and Prohibited Pesticides

**Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)**

- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

**Environmental Clean-Up, Restoration, Corrective Action**

- 1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify) \_\_\_\_\_
- \_\_\_\_\_
- 2. RCRA Corrective Action (identify) \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration, Corrective Action Regulations Not Listed Above (identify)**

- 3. \_\_\_\_\_
- 4. \_\_\_\_\_