



ENROLL US

We Want to Be a Partner in EPA's National Partnership for Environmental Priorities

IDENTIFYING INFORMATION

Name of Organization: Koppers, Inc.
Principal Contact: Mark Cilley
Authorizing Official: Nate Weinstein
Address: P.O. Box 665
Phone/Fax: (304) 527-5548 / (304) 527-5506
EPA RCRA ID Number: none listed

Facility Name: Follansbee, WV Plant
Title: SH & E Coordinator
Title: Plant Manager
City/State/Zip: Follansbee, WV 26037
Email: cilleyma@koppers.com
Date: May 21, 2008

PARTNER AGREEMENT

Our organization is choosing to become a partner in EPA's National Partnership for Environmental Priorities. Our goal is to reduce the quantity of one or more Priority Chemicals currently found in our products, processes, or releases using techniques such as source reduction, recycling, or other materials management practices. In this enrollment application, we identify one or more voluntary goals that we believe we can achieve as partners in this program. The voluntary goal(s) provided below is an initial estimate and may change over time. We may revise our goal(s) or withdraw from the program at any time. If/when we choose to revise our goals or withdraw from the program, we will notify EPA.

GOAL #1. Chemical Name: Polycyclic Aromatic Compounds (PAC) **CASRN:** N590 as defined by TRI

Narrative description of proposed project: The Follansbee Plant consists of a single pass distillation unit for production of hard carbon pitch, refined tars, specialty, and soft pitch (roofing pitch). Crude Coke Oven tar provides the feedstock and is distilled into many components used for end products. Coal tar pitch is the bottom from the distillation unit. The pencil pitch operation takes the liquid coal tar pitch and converts it to a solid form for ease in shipment and storage. The material is cooled and transferred to a water filled solidification tank. As the liquid coal tar pitch is extruded into the water, it solidifies and settles to the bottom of the solidification tank. A rubber belt conveyor running along the bottom of the solidification tank transfers the pencil pitch to a dryer conveyor. The dryer conveyor carries the pencil pitch through a series of three drying zones and a final cooling zone. The cooling zone uses ambient air to cool the pencil pitch before being conveyed to storage area (pitch pans). During the drying and conveying processes pencil pitch may accumulate on the pavement and between, in and around equipment which must be collected. This cleaning process could generate as much as 3-4 tons of material/ day. Koppers plans to reduce the volume of this material sent for disposal by performing enhanced maintenance in the area of the conveyor belt by replacing/ repairing belt transition section to reduce the amount of material reaching the ground. Additionally, the area around the penciling operation will be paved and containers (dumpsters) used to collect the pencils so that the pencil pitch will not contact gravel and may therefore be returned to the process.
How we will measure success: We will measure how much waste is disposed from this stream over a two year period versus how much waste was generated prior to the implementation of this project; we will determine the weight of the each chemical by taking its percentage of the waste.

1a. Our voluntary **source reduction** goal for Chemical #1 is to reduce the amount of this chemical generated/used from a baseline amount of 140,154 pounds in December, 2007 (month/year) to a reduced amount of 90,000 pounds generated/used by December, 2009 (month/year).

1b. To accomplish this goal, we will use the following source reduction options (check all that apply):

- | | |
|---|---|
| <input type="checkbox"/> Equipment or technology modifications. | <input type="checkbox"/> Process or procedure modifications. |
| <input type="checkbox"/> Reformulation or redesign of products. | <input type="checkbox"/> Substitution of less toxic raw materials. |
| <input type="checkbox"/> Improvements in inventory control. | <input checked="" type="checkbox"/> Improvements in maintenance/housekeeping practices. |
| <input type="checkbox"/> Other (describe): _____ | |

2a. In addition to, or in lieu of using source reduction methods, our voluntary **recycling or recovery** goal for Chemical #1 is to increase the recycled or recovered quantity of this chemical from a baseline amount of 6951 pounds in December, 2007 (month/year) to an increased quantity of 20000 pounds by December, 2009 (month/year).

2b. To accomplish this recycling or recovery goal, we will use the following options (check all that apply):

- Direct use/reuse in a process to make a product.
- Processing the waste to recover or regenerate a usable product.
- Using/reusing waste as a substitute for a commercial product.
- Other (describe): _____

3. We have a Quality Assurance/Quality Control Plan for data (check which applies). Yes No

SUPPLEMENTAL GOAL SHEET: NATIONAL PARTNERSHIP FOR ENVIRONMENTAL PRIORITIES

GOAL # 2 **Chemical Name:** Benzo(ghi)perylene **CASRN:** 191-24-2

Narrative description of proposed project: Same as above.

How we will measure success: Same as above.

1a. Our voluntary **source reduction** goal for Chemical # 2 is to reduce the amount of this chemical generated/used from a baseline amount of 14680 pounds in December, 2007 (month/year) to a reduced amount of 6000 pounds generated/used by December, 2009 (month/year).

1b. To accomplish this goal, we will use the following source reduction options (check all that apply):

- Equipment or technology modifications.
- Reformulation or redesign of products.
- Improvements in inventory control.
- Other (describe): _____
- Process or procedure modifications.
- Substitution of less toxic raw materials.
- Improvements in maintenance/housekeeping practices.

2a. In addition to, or in lieu of using source reduction methods, our voluntary **recycling or recovery** goal for Chemical # 2 is to increase the recycled or recovered quantity of this chemical from a baseline amount of 300 pounds in December, 2007 (month/year) to an increased quantity of 1300 pounds by December, 2009 (month/year).

2b. To accomplish this recycling or recovery goal, we will use the following options (check all that apply):

- Direct use/reuse in a process to make a product.
- Processing the waste to recover or regenerate a usable product.
- Using/reusing waste as a substitute for a commercial product.
- Other (describe): _____

3. We have a Quality Assurance/Quality Control Plan for data (check which applies). Yes No

GOAL # _____ **Chemical Name:** _____ **CASRN:** _____

Narrative description of proposed project: _____

How we will measure success: _____

1a. Our voluntary **source reduction** goal for Chemical # _____ is to reduce the amount of this chemical generated/used from a baseline amount of _____ pounds in _____ (month/year) to a reduced amount of _____ pounds generated/used by _____ (month/year).

1b. To accomplish this goal, we will use the following source reduction options (check all that apply):

- Equipment or technology modifications.
- Reformulation or redesign of products.
- Improvements in inventory control.
- Other (describe): _____
- Process or procedure modifications.
- Substitution of less toxic raw materials.
- Improvements in maintenance/housekeeping practices.

2a. In addition to, or in lieu of using source reduction methods, our voluntary **recycling or recovery** goal for Chemical # _____ is to increase the recycled or recovered quantity of this chemical from a baseline amount of _____ pounds in _____ (month/year) to an increased quantity of _____ pounds by _____ (month/year).

2b. To accomplish this recycling or recovery goal, we will use the following options (check all that apply):

- Direct use/reuse in a process to make a product.
- Processing the waste to recover or regenerate a usable product.
- Using/reusing waste as a substitute for a commercial product.
- Other (describe): _____

3. We have a Quality Assurance/Quality Control Plan for data (check which applies). Yes No