

ENROLL US!

We Want to Be a Member in EPA's Voluntary National Waste Minimization Partnership Program



GENERAL INFORMATION

Company Name: BP Products North America, Inc.
Facility Name: South Houston Integrated Site
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PARTNER AGREEMENT

Our organization/company is choosing to become a partner in EPA's National Waste Minimization Partnership Program. Our goal is to reduce the quantity of one or more Waste Minimization Priority Chemicals currently found in our hazardous and/or nonhazardous wastes using source reduction and/or recycling practices, in lieu of waste treatment or land disposal practices. In this enrollment application, we identify one or more voluntary waste minimization goals that we believe we can achieve as Partners in this Program. The voluntary goals provided below are initial estimates, and may change over time. We may revise our goals or withdraw from the program at any time. If/when choose to revise our goals or withdraw from the program, we will notify EPA.

GOAL #1: Chemical Name: PAH Group **CASRN:** _____

Narrative description of proposed project (and the mechanism you will use to measure success): Crude and clarified slurry oil (CSO) tank bottoms are listed hazardous waste when disposed. PAHs and benzene are contained in these tank bottoms. Historically, this waste stream has been difficult to recover due to its viscosity. Using a patented penetrant manufactured by Continuum Chemical Company, BP is recovering >90% of crude tank bottoms (K169) and 70% of CSO tank bottoms (K170) containing PAHs and benzene. Recovered oils are directly reinserted into the refining process. We continue to work with Continuum to achieve even greater oil recovery results.

This is a source reduction project - the waste is never generated because almost all of the materials that would have been waste are captured in the oil recovery stage before the tank is prepared for entry. The penetrant "worms" into and dissolves the tank bottoms on contact. This then allows the hydrocarbons to be recovered and returned to the refining process.

This tank cleaning technique demonstrates responsible treatment of natural resources through source reduction, waste minimization and pollution prevention. Oil is recovered fo re-use, supporting resource conservation and sustainable development Land disposal residuals is reduced. Less material is transported offsite for treatment and disposal, minimizing exposure to the community. Air emissions from onsite hazardous waste management and off-site treatment are avoided, reducing exposure to the community, the environment and our employees.

BP's goal is to reduce the amount of PAHs generated by 32,000 lbs, benzene by 70,000 lbs, and K169/K170 tank bottoms by 24,000,000 lbs between 1/2002 and 12/2004.

- Our voluntary source reduction goal for Chemical #1 is to reduce the amount of this chemical generated in hazardous waste from a baseline amount of: _____ in 01/2002, to a reduced amount of _____ by 12/2004
(x pounds generated/year) (month/year) (x pounds generated/ year) (month/year)
- To accomplish this goal, we will explore 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 checked="" type="checkbox"/> Improvements in inventory control	<input type="checkbox"/> Improvements in maintenance/housekeeping practices
<input checked="" type="checkbox"/> Other (explain): <u>Improvements in product recovery efforts prior to maintenance activities.</u>	

3. Our (optional) voluntary recycling goal for Chemical #1 is to increase the amount of waste Chemical #1 recycled from a baseline amount of _____ in _____, to an increased recycled quantity of _____ by _____.
(x lbs/year) (month/year) (x lbs/year) (month/year)

4. To accomplish this recycling goal, we will explore: (check all that apply)
_____ Direct use/reuse in a process to make a product _____ Process the waste to recover or regenerate a usable product
_____ Use/reuse as a substitute for a commercial product _____ Other (explain): _____

Authorizing Official: Don Parus, Director, South Houston Site **Date:** July 23, 2002
Project Contact (if different from Company Official): _____ **Phone:** _____

NOTE TO PROSPECTIVE PARTNERS: Use supplemental sheets to set goals for additional short term and/or long term goals.
Page 2 of 2