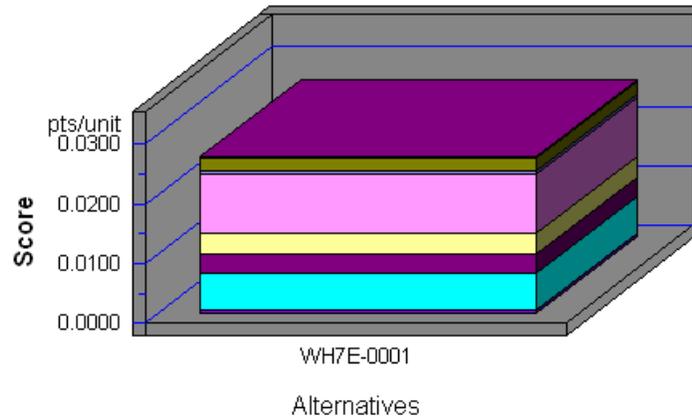


## BEES Results: Ink Removers and Cleaners

Functional Unit: 1 gallon of ink remover/cleaner

### Environmental Performance

Acidification
Crit. Air Pollutants
Ecological Toxicity
Eutrophication
Fossil Fuel Depletion
Global Warming
Habitat Alteration
Human Health
Indoor Air
Ozone Depletion
Smog
Water Intake



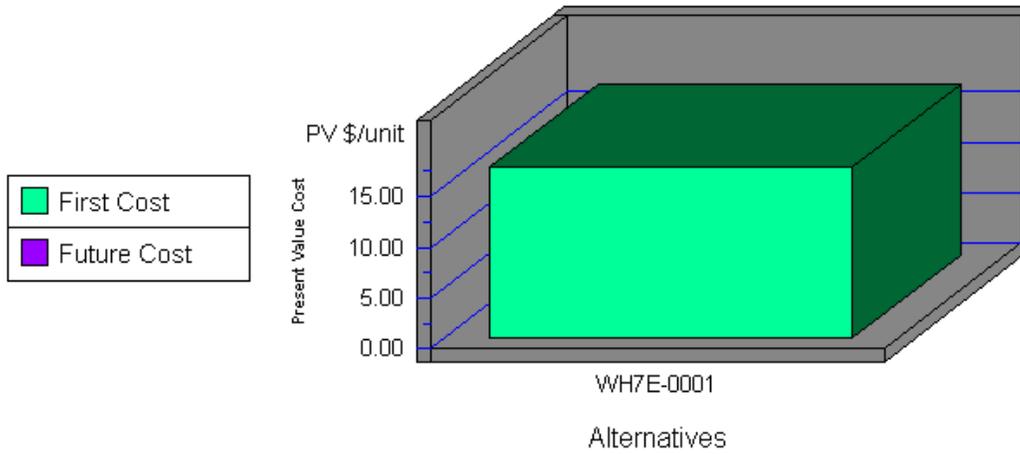
**Note: Lower values are better**

Category	WH7E-0001
Acidification--5%	0.0000
Crit. Air Pollutants--6%	0.0002
Ecolog. Toxicity--11%	0.0021
Eutrophication--5%	0.0006
Fossil Fuel Depl.--5%	0.0100
Global Warming--16%	0.0034
Habitat Alteration--16%	0.0000
Human Health--11%	0.0032
Indoor Air--11%	0.0000
Ozone Depletion--5%	0.0000
Smog--6%	0.0062
Water Intake--3%	0.0007
<b>Sum</b>	<b>0.0264</b>

## BEES Results: Ink Removers and Cleaners

Functional Unit: 1 gallon of ink remover/cleaner

### Economic Performance



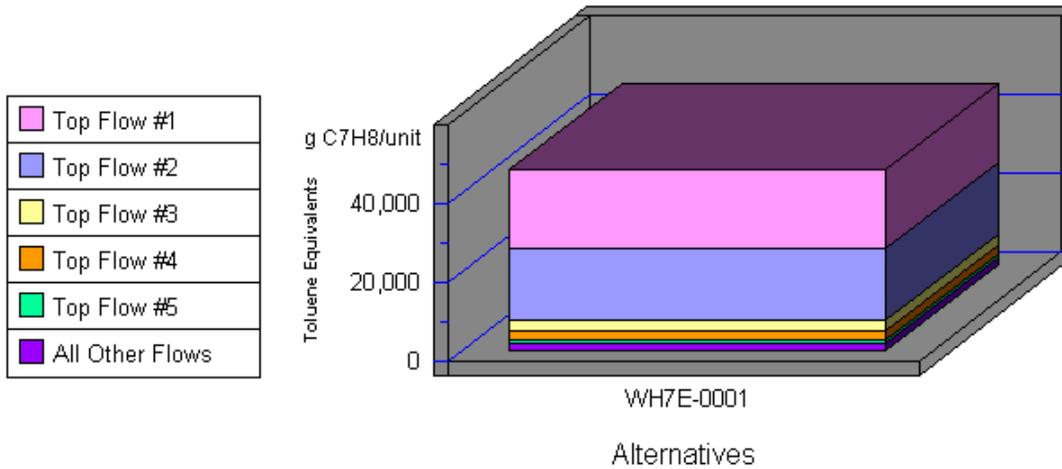
Category	WH7E-0001
First Cost	16.90
Future Cost-- 3.9%	0.00
<b>Sum</b>	<b>16.90</b>

\*No significant/quantifiable durability differences are expected among competing alternatives. Therefore, future costs were not calculated.

## BEES Results: Ink Removers and Cleaners

Functional Unit: 1 gallon of ink remover/cleaner

### Human Health by Sorted Flows\*



**Note: Lower values are better**

Category	WH7E-0001
Cancer--(w) Arsenic (As3+, As5+	20,013.87
Cancer--(w) Phenol (C6H5OH)	18,052.68
Cancer--(a) Dioxins (unspecifie	2,776.79
Cancer--(a) Arsenic (As)	2,125.32
Cancer--(a) Benzene (C6H6)	1,351.39
All Others	1,814.34
<b>Sum</b>	<b>46,134.39</b>

\*Sorted by five topmost flows for worst-scoring product

## BEES Results: Ink Removers and Cleaners

Functional Unit: 1 gallon of ink remover/cleaner

<b>Ink Removers and Cleaners</b>		
Impacts	Units	WH7E-0001
Acidification	millimoles H <sup>+</sup> equivalents	2.01E+03
Criteria Air Pollutants	microDALYs	4.97E-01
Ecological Toxicity	g 2,4-D equivalents	1.56E+01
Eutrophication	g N equivalents	2.26E+00
Fossil Fuel Depletion	MJ surplus energy	7.07E+01
Global Warming	g CO <sub>2</sub> equivalents	5.50E+03
Habitat Alteration	T&E count	0.00E+00
Human Health	g C <sub>7</sub> H <sub>8</sub> equivalents	4.61E+04
Indoor Air Quality	g TVOCs	0.00E+00
Ozone Depletion	g CFC-11 equivalents	2.98E-07
Smog	g NO <sub>x</sub> equivalents	1.56E+02
Water Intake	liters of water	1.23E+02

1 Following are more complete descriptions of units: Acidification: millimoles of hydrogen ion equivalents; Criteria Air Pollutants: micro Disability-Adjusted Life Years; Ecological Toxicity: grams of 2,4-dichlorophenoxy-acetic acid equivalents; Eutrophication: grams of nitrogen equivalents; Fossil Fuel Depletion: megajoules of surplus energy; Global Warming: grams of carbon dioxide equivalents; Habitat Alteration: threatened and endangered species count; Human Health: grams of toluene equivalents; Indoor Air Quality: grams of Total Volatile Organic Compounds; Ozone Depletion: grams of chloroflourocarbon-11 equivalents; Smog: grams of nitrogen oxide equivalents; and Water Intake: liters of water.