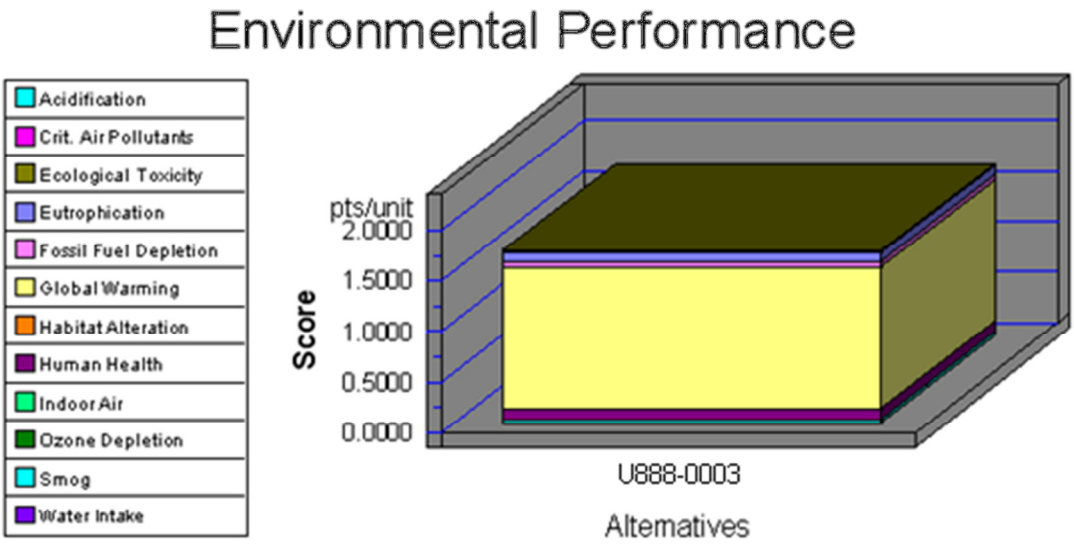
BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 1



Note: Lower values are better

Category	U888-0003
Acidification--3%	0.0001
Crit. Air Pollutants--8%	0.0058
Ecolog. Toxicity--7%	0.0203
Eutrophication--6%	0.0769
Fossil Fuel Depl.--10%	0.0700
Global Warming--29%	1.3843
Habitat Alteration--6%	0.0000
Human Health--13%	0.1071
Indoor Air--3%	0.0000
Ozone Depletion--2%	0.0000
Smog--4%	0.0441
Water Intake--6%	0.0008
Sum	1.7112

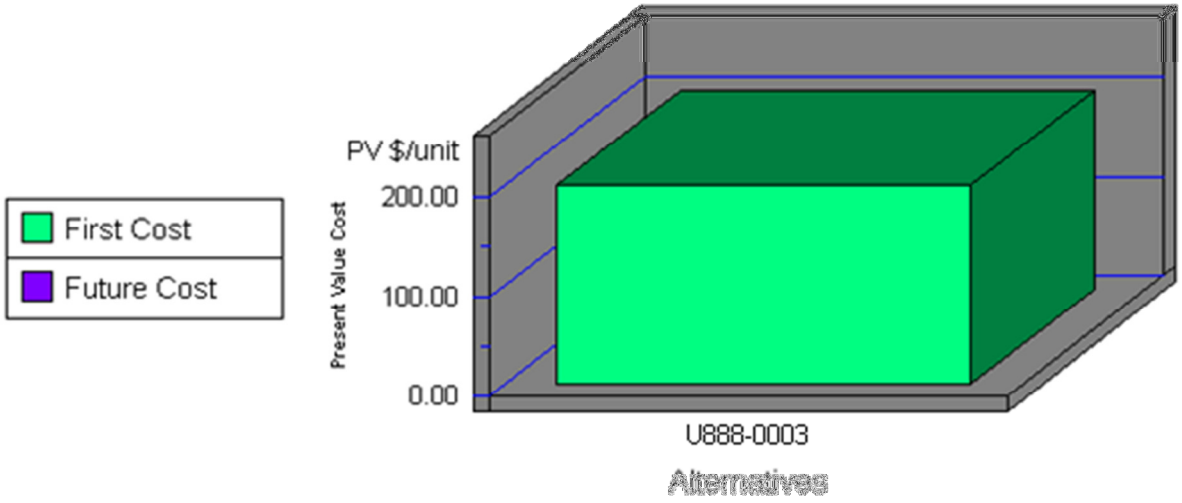
BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 1		
Impacts	Units	U888-0003
Acidification	millimoles H^+ equivalents	2.72E+05
Criteria Air Pollutants	microDALYs	1.24E+01
Ecotoxicity	g 2,4-D equivalents	2.37E+02
Eutrophication	g N equivalents	2.53E+02
Fossil Fuel Depletion	MJ surplus energy	2.47E+02
Global Warming	g CO_2 equivalents	1.22E+06
Habitat Alteration	T&E count	0.00E+00
Human Health--Cancer	g C_6H_6 equivalents	6.89E+01
Human Health--NonCancer	g C_7H_8 equivalents	5.17E+04
Indoor Air Quality	g TVOCs	0.00E+00
Ozone Depletion	g CFC-11 equivalents	5.89E-06
Smog	g NO_x equivalents	1.67E+03
Water Intake	liters of water	4.20E+01
Functional Unit	----------	100 linear ft. of control

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-Cancer: grams of benzene equivalents; Human Health-NonCancer: 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.

Erosion Control Materials Part 1

Economic Performance

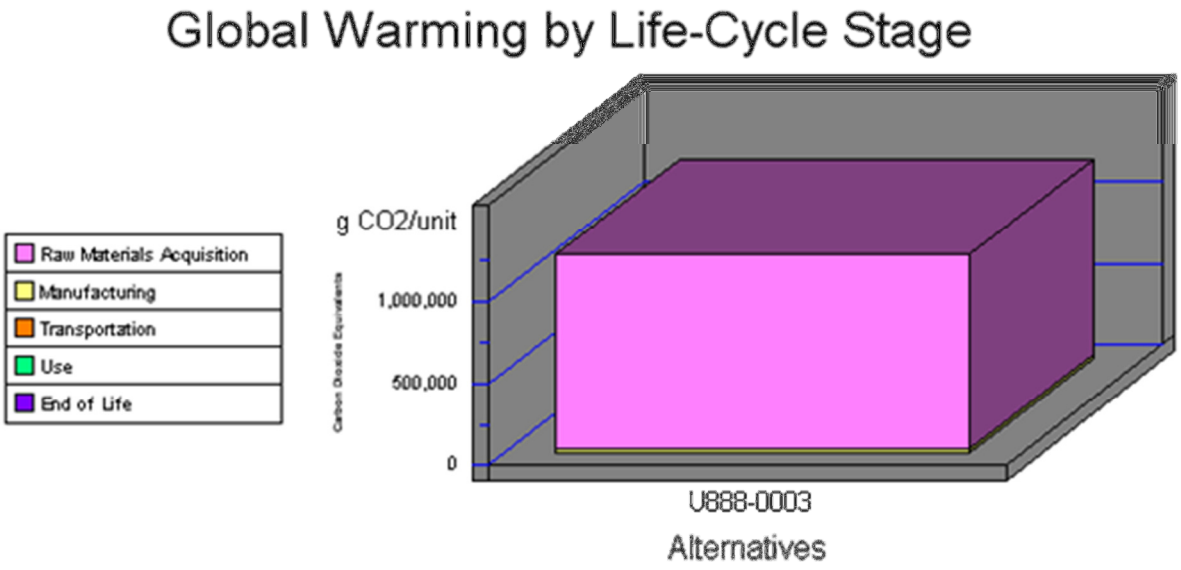


Category	U888-0003
First Cost	200.00
Future Cost - 3.0%	0.00
Sum	200.00

*This is a consumable product. Therefore, future costs are not calculated.

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 1



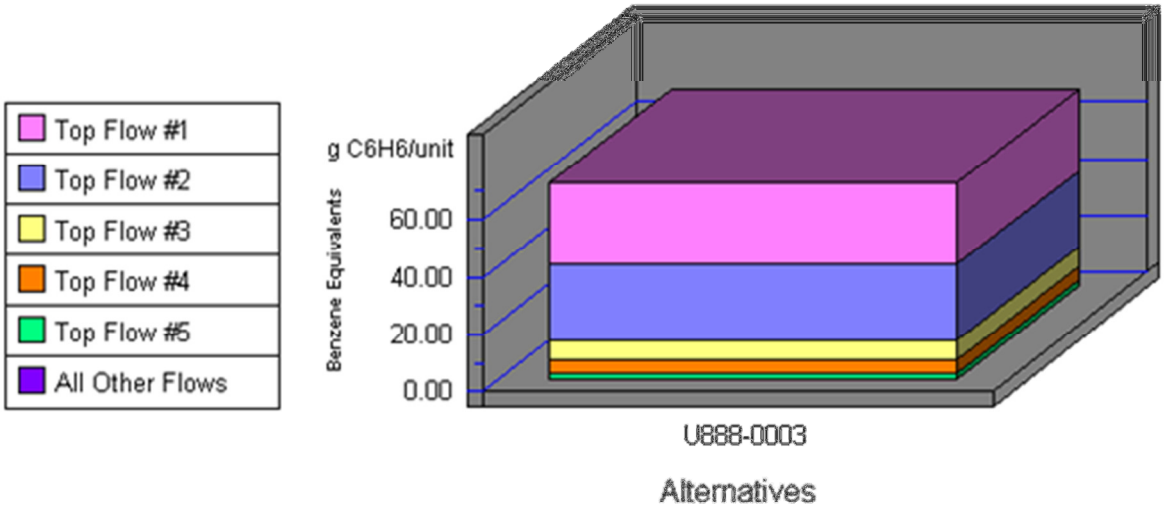
Note: Lower values are better

Category	U888-0003
1. Raw Materials	1196521
2. Manufacturing	24777
3. Transportation	9856
4. Use	0
5. End of Life	0
Sum	1221153

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 1

Human Health Cancer by Sorted Flows*



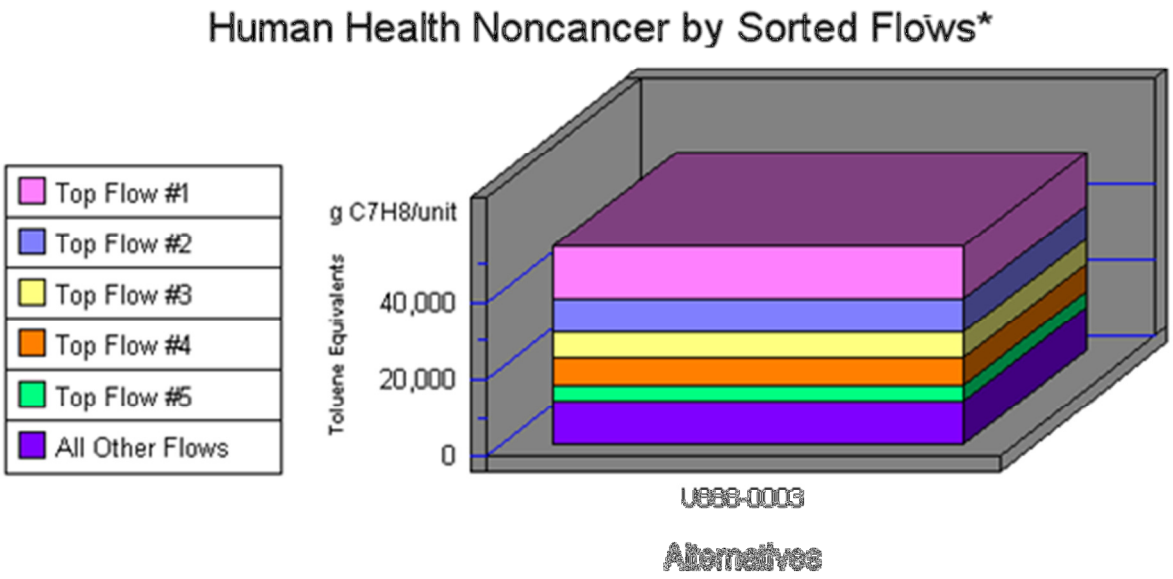
Note: Lower values are better

Category	U888-0003
Cancer--(w) Arsenic (As3+, As5+	28.72
Cancer--(w) Phenol (C6H5OH)	26.11
Cancer--(s) Dioxins (unspecific	5.91
Cancer--(a) Arsenic (As)	5.01
Cancer--(a) Benzene (C6H6)	1.46
All Others	0.67
Sum	68.88

*Sorted by five topmost flows for worst-scoring product

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 1



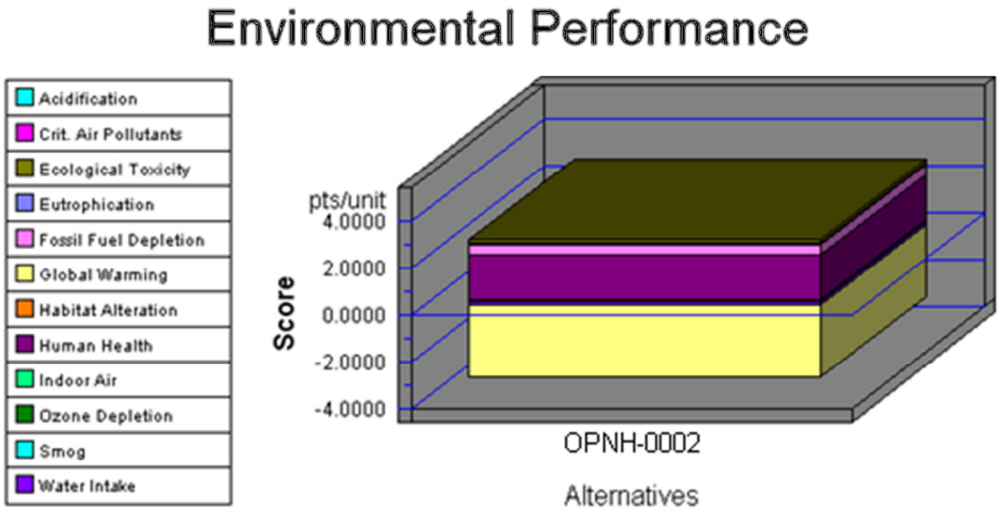
Note: Lower values are better

Category	U888-0003
Noncancer--(w) Barium (Ba++)	13,649.90
Noncancer--(a) Dioxins (unspecif	9,701.89
Noncancer--(w) Lead (Pb++, Pb4+	7,000.86
Noncancer--(a) Mercury (Hg)	5,728.02
Noncancer--(a) Ammonia (NH3)	4,222.85
All Others	11,418.81
Sum	51,721.13

*Sorted by five topmost flows for worst-scoring product

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 2

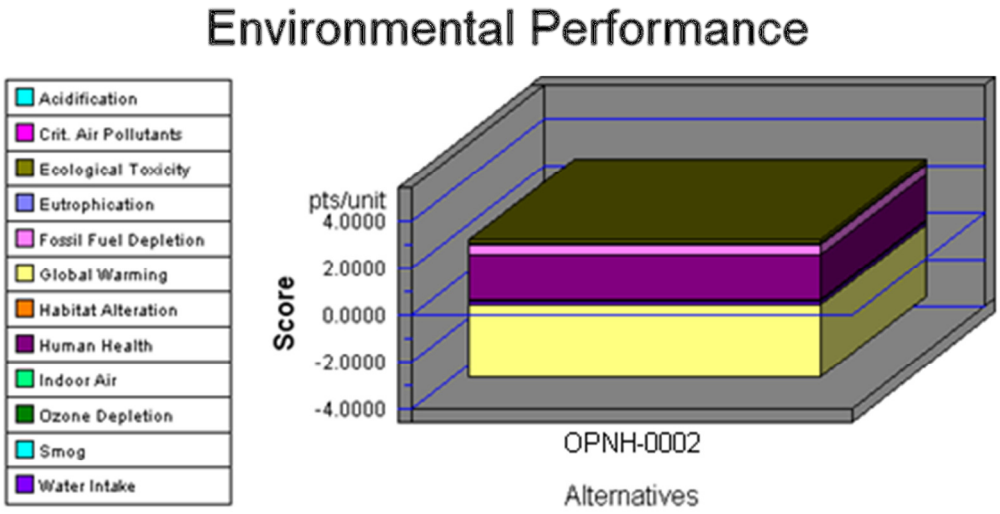


Note: Lower values are better

Category	OPNH-0002
Acidification--3%	0.0001
Crit. Air Pollutants--8%	0.0285
Ecolog. Toxicity--7%	0.1190
Eutrophication--6%	0.0742
Fossil Fuel Depl.--10%	0.4370
Global Warming--29%	-3.0421
Habitat Alteration--6%	0.0000
Human Health--13%	1.9399
Indoor Air--3%	0.0000
Ozone Depletion--2%	0.0000
Smog--4%	0.0371
Water Intake--8%	0.1816
Sum	-0.1657

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 2



Note: Lower values are better

Category	OPNH-0002
Acidification--3%	0.0001
Crit. Air Pollutants--8%	0.0285
Ecolog. Toxicity--7%	0.1190
Eutrophication--6%	0.0742
Fossil Fuel Depl.--10%	0.4370
Global Warming--29%	-3.0421
Habitat Alteration--6%	0.0000
Human Health--13%	1.9399
Indoor Air--3%	0.0000
Ozone Depletion--2%	0.0000
Smog--4%	0.0371
Water Intake--8%	0.1816
Sum	-0.1657

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

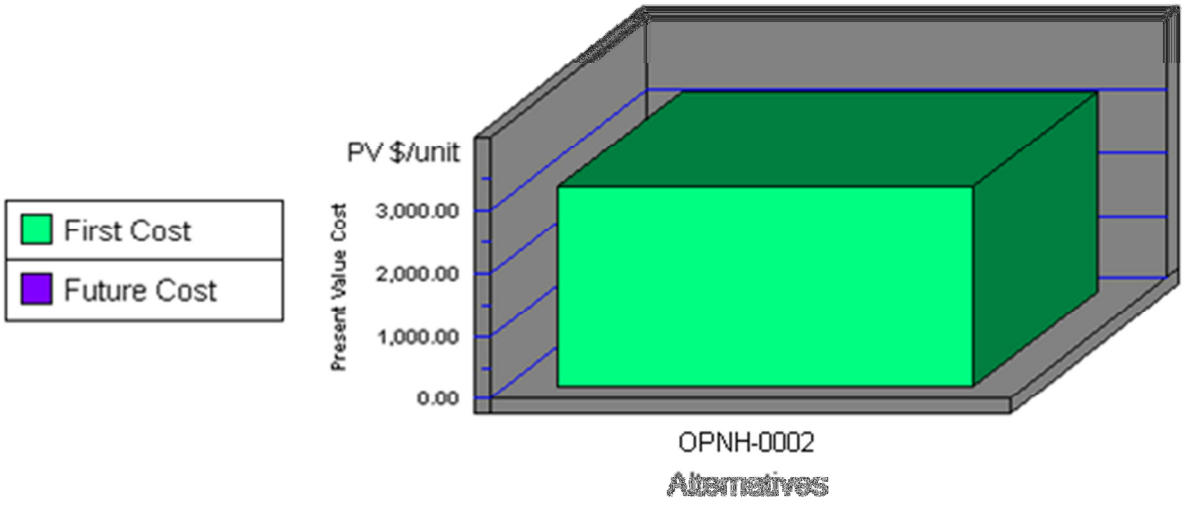
Erosion Control Materials – Part 2		
Impacts	Units	OPNH-0002
Acidification	millimoles H^+ equivalents	2.32E+05
Criteria Air Polutants	microDALYs	5.64E+01
Ecotoxicity	g 2,4-D equivalents	1.39E+03
Eutrophication	g N equivalents	2.38E+02
Fossil Fuel Depletion	MJ surplus energy	1.54E+03
Global Warming	g CO_2 equivalents	-2.68E+06
Habitat Alteration	T&E count	0.00E+00
Human Health--Cancer	g C_6H_6 equivalents	1.16E+03
Human Health--NonCancer	g C_7H_8 equivalents	5.31E+06
Indoor Air Quality	g TVOCs	0.00E+00
Ozone Depletion	g CFC-11 equivalents	4.13E-03
Smog	g NO_x equivalents	3.68E+03
Water Intake	liters of water	1.07E+04
Functional Unit	----------	1 acre of control

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-Cancer: grams of benzene equivalents; Human Health-NonCancer: 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.

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 2

Economic Performance



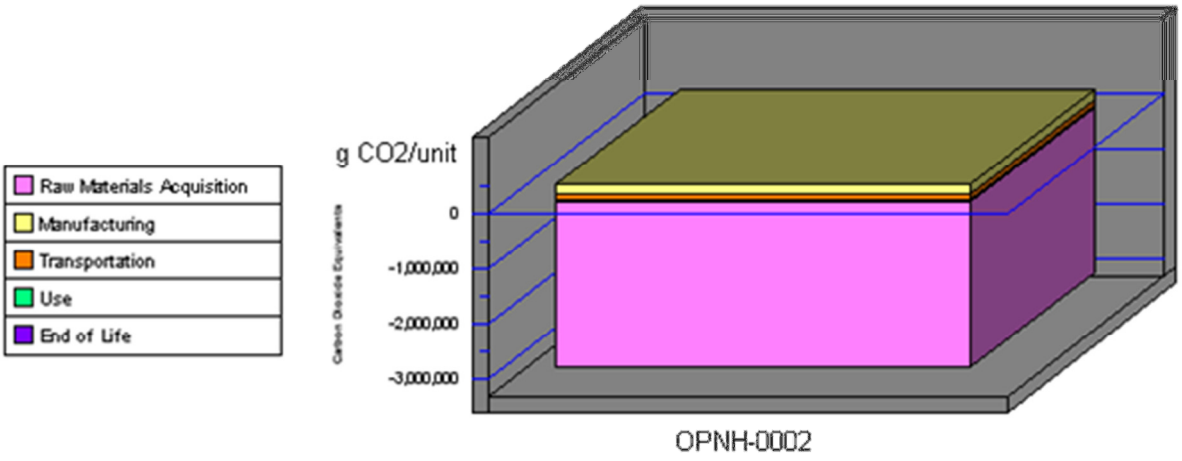
Category	OPNH-0002
First Cost	3200.00
Future Cost-- 3.0%	0.00
Sum	3200.00

*This is a consumable product. Therefore, future costs are not calculated.

BEES Results: Erosion Control Materials Part 1 & 2 **Units:** 100 linear feet of control
BioPreferred ID# U888-0003

Erosion Control Materials Part 2

Global Warming by Life-Cycle Stage

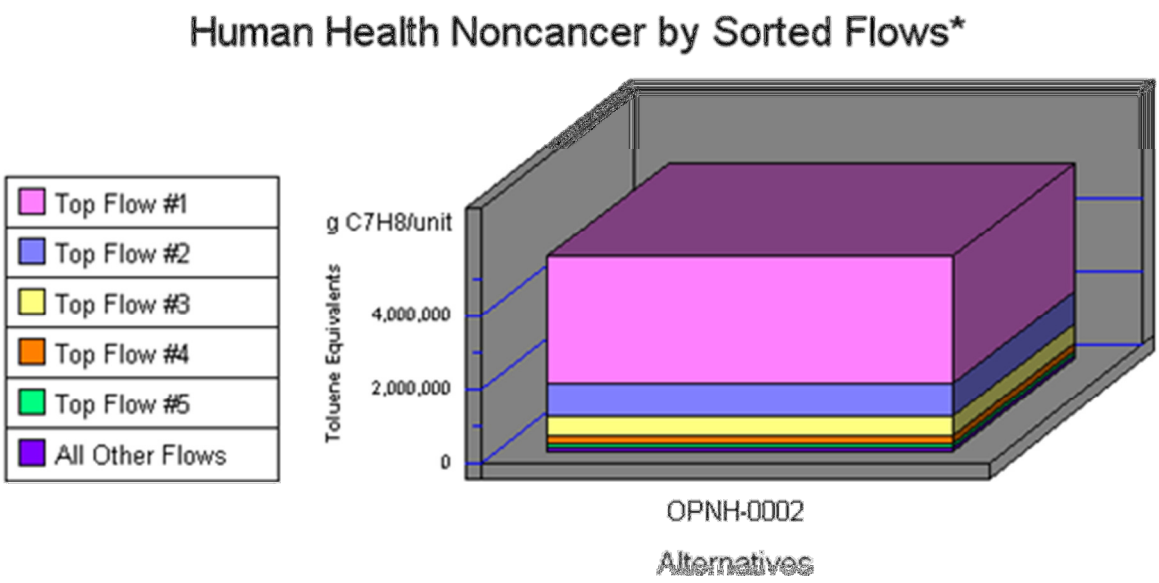


Alternatives

Note: Lower values are better

Category	OPNH-0002
1. Raw Materials	-3000713
2. Manufacturing	177816
3. Transportation	121179
4. Use	18067
5. End of Life	0
Sum	-2683651

Erosion Control Materials Part 2



Note: Lower values are better

Category	OPNH-0002
Noncancer-(a) Lead (Pb)	3,485,409.45
Noncancer-(a) Dioxins (unspeci	660,296.82
Noncancer-(a) Aluminum (Al)	503,858.48
Noncancer-(a) Cadmium (Cd)	197,451.59
Noncancer-(a) Mercury (Hg)	112,050.04
All Others	149,802.88
Sum	5,312,469.25

*Sorted by five topmost flows for worst-scoring product