

Table D-9B

WEIGHING ASSIGNMENTS AND CALCULATIONS FOR HARMS AND BENEFITS WEIGHTING

	Harm	Frequency	Duration	Reach	Intensity	Sensitivity	Potential	Result
Environmental	litter	2	4	1	0.2	0.2	0.5	0.16
	dust	2	4	1	0.2	0.2	0.5	0.16
	LFG	2	4	2	0.2	0.2	0.5	0.32
	diminished streamflow	3	5	1	0.2	0.2	1	0.6
	habitat loss	3	4	1	0.4	0.4	1	1.92
Environmental Harms - Subtotal								3.16
Social	local road use	2	2	4	0.4	0.2	0.5	0.64
	noise	2	4	1	0.2	0.2	0.5	0.16
	odors	2	4	2	0.2	0.2	0.5	0.32
	vectors	2	4	1	0.2	0.2	0.5	0.16
	aesthetics/visibility	5	5	3	0.2	0.4	1	6
Social Harms - Subtotal								7.28
<b>TOTAL</b>								<b>10.44</b>

Weighting Key			
Value	Frequency	Duration	Reach
1	once	<3 months	1 mile radius
2	25% of the time	1-5 years	2 mile radius
3	50% of the time	5-10 years	3 mile radius
4	75% of the time	facility life	township
5	continuous	forever	county/state

Value	Environmental and Social Intensity	Economic Intensity	Sensitivity
0.2	barely detectable	Monetary Benefits of \$10,000 to \$100,000	no particular target and/or insensitive
0.4	minimal; occasional effect on quality of life	Monetary Benefits of \$100,000 to \$1,000,000	
0.6	moderate; some effect on quality of life	Monetary Benefits of \$1,000,000 to \$10,000,000	targets some portion of the population
0.8	strong; affects daily life	Monetary Benefits of \$10,000,000 to \$100,000,000	
1	severe; dramatically affects daily quality of life	Monetary Benefits greater than \$100,000,000	particular target/high sensitivity

Value	Potential
0.5	possible
1	guaranteed; definite

Scoring calculations: Frequency (F) x Duration (D) x Reach (R) x Intensity (I) x Sensitivity (S) X Potential (P) = Result (R)

[Example: R = 2(F) x 4(D) x 1(R) x 0.2(I) x 0.2(S) x 0.5(P) = 0.16 (R-Result)]

	Benefit	Frequency	Duration	Reach	Intensity	Sensitivity	Potential	Result
Environmental	Recycling	3	4	4	0.6	0.2	1	5.76
	MCWC Partnership	5	5	5	0.6	0.2	1	15
	Abandoned Mine Reclamation	5	5	1	0.4	0.2	1	2
	Increased Wetand F&V, Riparian Enhancement	3	5	1	0.2	0.2	1	0.6
	Environmental Benefits - Subtotal							
Social	Employment	5	4	5	1	1	1	100
	Education	2	4	5	0.4	0.2	1	3.2
	Fulfillment of Comp. Plan	3	5	5	0.8	1	1	60
	Fire Company Donation	2	4	4	0.6	1	1	19.2
Social Benefits - Subtotal								182.4
Economic	Host Fee	5	4	4	1	1	1	80
	Free Waste Disposal	5	4	4	0.6	1	1	48
	Bulky Waste Disposal	2	4	4	0.2	1	1	6.4
	MCWC Contribution	2	4	5	0.6	1	1	24
	Earned Income (wages)	5	4	4	0.8	0.6	1	38.4
	Local Real Estate Tax	5	4	4	0.8	0.2	1	12.8
	Local Wage Tax	5	4	4	0.4	0.2	1	6.4
	County Real Estate Tax	5	4	5	0.6	0.2	1	12
	County Wage Tax	5	4	5	0.4	0.2	1	8
	Facility Construction Costs	4	4	5	0.8	0.2	1	12.8
	Equipment, Goods, and Services and Operating Costs	4	4	5	1	1	1	80
	Act 101 Recycling Fee	5	4	5	0.8	0.2	1	16
	Growing Greener Fee	5	4	5	1	0.2	1	20
	Environmental Stewardship Fee	5	4	5	0.8	0.2	1	16
Economic Benefits - Subtotal								380.8
<b>TOTAL</b>								<b>587</b>
Factor by which Benefits Outweigh Harms								56.2