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6-709.13

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**RECYCLING HOMEWORK AND COMMENTS FROM MEMBERS OF FRESH BA  
TO GARY STEGNER IN RELATION TO THE RECYCLING WORKSHOP HELD  
IN DECEMBER, 1996**

12/02/96

FRESH      DOE-FEMP  
23  
RESPONSE

To: Gary Stegner  
648-3073

From: Vicky Dastillung  
896-6088

6 pages + Cover

Here's the recycling homework & some comments.

- ① GI might go higher if I was convinced the steel would not jeopardize the OSDF's long-term integrity.
- ② I didn't feel I had enough info to rate economic impacts, so I put a neutral 3 across the board.
- ③ I'm very unsure about whether free-release is a good idea or not, so I put ?'s in.
- ④ I'll be very interested to see the sensitivity analysis. It could cause me to want to change the weightings.

NAME/ORGANIZATION: Vicky Destilling

DATE: 12/2/96

**HOMEWORK 1A: Ranking the Disposition Alternatives for "Scenario A" (150 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table A, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2A: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5%
Total Undiscounted Cost	10%
Schedule Impacts	5
Local Economic Impacts	5
Institutional Preference	5
Local Social Preference	15%
Protectiveness of the Environment	25%
Public Health Impacts	20%
Worker Safety Impacts	10%
Total:	<u>100 %</u>

Return completed Homework assignments by Dec. 1, 1996 to:

Mr. Gary Stegner  
Public Information Director  
DOE Fernald Area Office  
P.O. Box 538705  
Cincinnati, Ohio 45253-8705  
phone: (513) 648-3153  
fax: (513) 648-3073

Name/Organization: Dastillberg 1

**TABLE A - HOMEWORK**  
Disposition Summary Matrix  
150 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF	A. NET Present Value		B. Total Undiscounted Cost		C. Schedule Impacts		D. Local Economic Impacts	E. Institutional Preference	F. Local Social Preference	G. Protectiveness of the Environment	
								LC	LC	LC	LC	Total	Accel. Scenario					Total
	159M	159M	159M	159M	159M	159M	159M	190 M	191 M	190 M	191 M	190 M	191 M	191 M	191 M			
	\$6000	\$232,000	\$58,000	\$82,000	\$330,000	\$362,000	\$170,000	\$15/bcf	\$378/bcf	\$94/bcf	\$134/bcf	\$538/bcf	\$590/bcf	\$276/bcf				
	< 1wk	2wks	2wks	10 wks	16 wks	5 wks	16 wks	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral				
	3	3	3	3	5	3	3	3	3	3	3	3	3	3				
	5	1	1	3	3	3	3	3	3	3	3	3	3	3				
	2	3	3	?	?	4	?	?	?	?	?	?	?	?				
	1	5	5	?	?	5	?	?	?	?	?	?	?	?				

NAME/ORGANIZATION: Vicky Dastellung

DATE: 12/2/96

HOMEWORK 1X: Ranking the Disposition Alternatives for "Plant X" (1,500 tons)

*This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of "1" in each empty box of the "Plant X" Matrix Table, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.*

HOMEWORK 2X: Assigning Weight Factors to Performance Measures

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5
Total Undiscounted Cost	10
Schedule Impacts	5
Local Economic Impacts	5
Institutional Preference	5
Local Social Preference	1.5
Protectiveness of the Environment	2.5
Public Health Impacts	2.0
Worker Safety Impacts	10
Total:	<u>100 %</u>

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TABLE "X" - HOMEWORK  
Disposition Summary Matrix  
1,500 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATEZED FEMP MRF	A. NET Present Value	
								LC	LC
B. Total Undiscounted Cost	LC	Incremental	Unit	Total	Accel. Scenario	LC	Incremental	Unit	Total
D. Local Economic Impacts	3	3	3	3	3	3	3	3	3
E. Institutional Preferences	5	2	2	4	4	4	4	4	4
F. Local Social Preference	1	2	2	2	2	4	2	2	2
G. Protectiveness of the Environment	1	5	5	?	?	5	?	5	?

NAME/ORGANIZATION: Vicky Dastillung

DATE: 12/2/96

HOMEWORK 1B: Ranking the Disposition Alternatives for "Scenario B" (15,200 tons)

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table B, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

HOMEWORK 2B: Assigning Weight Factors to Performance Measures

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5
Total Undiscounted Cost	10
Schedule Impacts	5
Local Economic Impacts	5
Institutional Preference	5
Local Social Preference	15
Protectiveness of the Environment	2.0
Public Health Impacts	10
Worker Safety Impacts	
Total:	<u>100 %</u>

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TABLE B - HOMEWORK  
Disposition Summary Matrix  
15,200 Tons Scenario

ALTERNATIVES	1	2	3	4	5	
	OSDF	NTS	ENVIROCARE	FEMP MRF	VENDOR MRF	
A. NET Present Value	159M	177M	161M	164M	186M	
B. Total Undiscounted Cost	LC	190 M	212 M	193M	222 M	
	Incre mental	\$600.0 00	22M	3M	7M	32M
	Unit	\$15/ bcf	\$368 bcf	\$65/bcf	\$132/bcf	\$535/bcf
C. Schedule Impacts	Total	1 wk	6yrs (availability)	6yrs (availability)	21 yrs	15 yrs
	Accel. Scenario	Neutral	-3mos	-3mos	+12 yrs	+6 yrs
D. Local Economic Impacts	3	3	3	3	3	
E. Institutional Preferences	5	2	2	5	5	
F. Local Social Preference	1	2	2	?	?	
G. Protectiveness of the Environment	1	5	5	?	?	

6	7
FEMP MRF	172M
189M	206 M
225 M	16M
35M	\$275/bcf
586/bcf	15 yrs
(based on ability)	+ 6 yrs
3mos	W
M	G
L	V
G	2

NAME/ORGANIZATION: Carol Schron

DATE: 12/1/96 506

**HOMEWORK 1B: Ranking the Disposition Alternatives for "Scenario B" (15,200 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table B, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2B: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5%
Total Undiscounted Cost	5%
Schedule Impacts	10%
Local Economic Impacts	10%
Institutional Preference	5%
Local Social Preference	10%
Protectiveness of the Environment	20%
Public Health Impacts	20%
Worker Safety Impacts	15%
	<hr/>
Total:	100 %

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Name/Organization: Carol Schrey

**TABLE B - HOMEWORK**  
Disposition Summary Matrix  
15,200 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present Value	159M	177M	161M	164M	186M	189M	172M
B. Total LC Undiscounted Cost	190 M	212 M	193M	197 M	222 M	225 M	206 M
Incremental	\$600,000	22M	3M	7M	32M	35M	16M
Unit	\$15/bcf	\$368/bcf	\$65/bcf	\$132/bcf	\$535/bcf	\$586/bcf	\$275/bcf
C. Schedule Impacts	1wk	6yrs (availability)	6yrs (availability)	21 yrs	15 yrs	6yrs (based on availability)	15 yrs
Accel. Scenario	Neutral	-3mos	-3mos	+12 yrs	+6 yrs	-3mos	+6 yrs
D. Local Economic Impacts	1	5	4	5	5	4	4
E. Institutional Preferences	1	2	5	4	3	5	4
F. Local Social Preference	1	5	5	5	5	5	4
G. Protectiveness of the Environment	1	5	5	5	5	5	4

NAME/ORGANIZATION: Eduwa Yacum

DATE: 12/1/96 506

**HOMEWORK 1A: Ranking the Disposition Alternatives for "Scenario A" (150 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table A, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2A: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5%
Total Undiscounted Cost	5%
Schedule Impacts	10%
Local Economic Impacts	5%
Institutional Preference	10%
Local Social Preference	
Protectiveness of the Environment	20%
Public Health Impacts	20%
Worker Safety Impacts	20%
Total:	<u>100%</u>

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**000011**

Name/Organization: Edula yacum

15/01/07

**TABLE A - HOMEWORK**  
Disposition Summary Matrix  
150 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present LC Value	159M	159M	159M	159M	159M	159M	159M
B. Total LC Undiscounted Cost	190 M	191 M	190 M	190 M	191 M	191 M	191 M
Incremental	\$6000	\$232.00	\$58,000	\$82,000	\$330,000	\$362,000	\$170,000
Unit	\$15/bcf	\$378/bcf	\$94/bcf	\$134/bcf	\$538/bcf	\$590/bcf	\$276/bcf
C. Schedule Total Impacts	< 1wk	2wks	2wks	10 wks	16 wks	5 wks	16 wks
Accel. Scenario	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preference	5	4	5	1	1	1	1
F. Local Social Preference	1	5	5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5

NAME/ORGANIZATION: J. Crawford

DATE: 12/1/96

**HOMEWORK 1A: Ranking the Disposition Alternatives for "Scenario A" (150 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table A, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2A: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5%
Total Undiscounted Cost	5%
Schedule Impacts	10%
Local Economic Impacts	5%
Institutional Preference	5%
Local Social Preference	10%
Protectiveness of the Environment	20%
Public Health Impacts	20%
Worker Safety Impacts	
	<u>100%</u>
Total:	100 %

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fax: (513) 648-3073

Name/Organization: S. Crawford 1/24/1996

45055

**TABLE A - HOMEWORK**  
Disposition Summary Matrix  
150 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present LC Value	159M	159M	159M	159M	159M	159M	159M
B. Total LC Undiscounted Cost	190 M	191 M	190 M	190 M	191 M	191 M	191 M
Incremental	\$6000	\$232,000	\$58,000	\$82,000	\$330,000	\$362,000	\$170,000
Unit	\$15/bcf	\$378/bcf	\$94/bcf	\$134/bcf	\$538/bcf	\$590/bcf	\$276/bcf
C. Schedule Total Impacts	<1wk	2wks	2wks	10 wks	16 wks	5 wks	16 wks
Accel. Scenario	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preference	5	4	5	1	1	1	1
F. Local Social Preference	1	5	5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5

NAME/ORGANIZATION: Joni Crawford

DATE: 12/1/96

**HOMEWORK 1X: Ranking the Disposition Alternatives for "Plant X" (1,500 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of the "Plant X" Matrix Table, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2X: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	5%
Total Undiscounted Cost	5%
Schedule Impacts	10%
Local Economic Impacts	5%
Institutional Preference	5%
Local Social Preference	10%
Protectiveness of the Environment	20%
Public Health Impacts	20%
Worker Safety Impacts	20%
	<u>100%</u>
Total:	100 %

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**000015**

**TABLE "X" - HOMEWORK**  
Disposition Summary Matrix  
1,500 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present LC Value	*	*	*	*	*	*	*
B. Total LC	*	*	*	*	*	*	*
Incremental Cost	\$60K	\$2.2M	\$460K	\$800K	\$3.3M	\$3.6M	\$1.7M
Unit	\$15/bcf	\$372/bcf	\$75/bcf	\$133/bcf	\$537/bcf	\$588/bcf	\$275/bcf
C. Schedule Impacts	1wk	20 wks	20 wks	2 yrs	1.5 yrs	1 yr	1.5 yrs
Accel. Scenario	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preferences	5	4	5	1	1	1	1
F. Local Social Preference	1	5	5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5

NAME/ORGANIZATION: J. CrawfordDATE: 12/9/96**HOMEWORK 1B: Ranking the Disposition Alternatives for "Scenario B" (15,200 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table B, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2B: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	50%
Total Undiscounted Cost	50%
Schedule Impacts	10%
Local Economic Impacts	50%
Institutional Preference	50%
Local Social Preference	10%
Protectiveness of the Environment	20%
Public Health Impacts	20%
Worker Safety Impacts	20%
	<u>100%</u>
Total:	100 %

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Name/Organization: L. Crawford 1/21/94

**TABLE B - HOMEWORK**  
Disposition Summary Matrix  
15,200 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present Value	159M	177M	161M	164M	186M	189M	172M
B. Total LC Undiscounted Cost	190 M	212 M	193M	197 M	222 M	225 M	206 M
Incre mental Unit	\$600,000	22M	3M	7M	32M	35M	16M
C. Schedule Impacts	\$15/bcf	\$368 bcf	\$65/bcf	\$132/bcf	\$535/bcf	\$586/bcf	\$275/bcf
Total Impacts	1wk	6yrs (availa bility)	6yrs (availability)	21 yrs	15 yrs	6yrs (based on availability)	15 yrs
Accel. Scenario	Neutral	-3mos	-3mos	+12 yrs	+6 yrs	-3mos	+6 yrs
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preferences	5	4	5	1	1	1	1
F. Local Social Preference	1	5	5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5

NAME/ORGANIZATION: Edwa Yocum

DATE: 12/1/96

**HOMEWORK 1X: Ranking the Disposition Alternatives for "Plant X" (1,500 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of the "Plant X" Matrix Table, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2X: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	50%
Total Undiscounted Cost	50%
Schedule Impacts	100%
Local Economic Impacts	50%
Institutional Preference	50%
Local Social Preference	100%
Protectiveness of the Environment	200%
Public Health Impacts	200%
Worker Safety Impacts	200%
Total:	<u>100%</u>

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**TABLE "X" - HOMEWORK**  
Disposition Summary Matrix  
1,500 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIROCARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present Value	*	*	*	*	*	*	*
B. Total LC							
Incremental	\$60K	\$2.2M	\$460K	\$800K	\$3.3M	\$3.6M	\$1.7M
Unit	\$15/bcf	\$372/bcf	\$75/bcf	\$133/bcf	\$537/bcf	\$588/bcf	\$275/bcf
C. Schedule Impacts	1wk	20 wks	20 wks	2 yrs	1.5 yrs	1 yr	1.5 yrs
Accel. Scenario	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral	Neutral
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preferences	5	4	5	1	1	1	1
F. Local Social Preference	1		5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5

NAME/ORGANIZATION: Eduwa Yacum

DATE: 12/1/96

506

**HOMEWORK 1B: Ranking the Disposition Alternatives for "Scenario B" (15,200 tons)**

This exercise is intended for you to express your relative preference for each of the seven disposition alternatives based on the four subjective (qualitative) performance measures. Place a value of 1, 2, 3, 4, or 5 in each empty box of Matrix Table B, with a value of "1" indicating your lowest preference or least benefit and a value of "5" indicating your highest preference or most benefit.

**HOMEWORK 2B: Assigning Weight Factors to Performance Measures**

This exercise is intended to gauge the importance of the different performance measures to you. For example, if you think cost is a very important factor in determining how to disposition structural steel, you should assign a high weight factor to cost. However, if you think cost should have little to do with the decision-making process, you should assign a low weight factor. Once you have finished filling in a weight percent for each performance measure, make sure that the weight percent column adds up to 100%.

<u>Performance Measures</u>	<u>Weight Percent</u>
Net Present Value	590
Total Undiscounted Cost	590
Schedule Impacts	1090
Local Economic Impacts	590
Institutional Preference	
Local Social Preference	1090
Protectiveness of the Environment	2090
Public Health Impacts	2090
Worker Safety Impacts	2090
Total:	<hr/> 100 %

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**TABLE B - HOMEWORK**  
Disposition Summary Matrix  
15,200 Tons Scenario

ALTERNATIVES	1 OSDF	2 NTS	3 ENVIRO CARE	4 FEMP MRF	5 VENDOR MRF	6 RECYCLE 2000	7 PRIVATIZED FEMP MRF
A. NET Present LC Value	159M	177M	161M	164M	186M	189M	172M
B. Total LC Undiscounted Cost	190 M	212 M	193M	197 M	222 M	225 M	206 M
Incremental	\$600,000	22M	3M	7M	32M	35M	16M
Unit	\$15/bcf	\$368/bcf	\$65/bcf	\$132/bcf	\$535/bcf	\$586/bcf	\$275/bcf
C. Schedule Impacts	1wk	6yrs (availability)	6yrs (availability)	21 yrs	15 yrs	6yrs (based on availability)	15 yrs
Accel. Scenario	Neutral	-3mos	-3mos	+12 yrs	+6 yrs	-3mos	+6 yrs
D. Local Economic Impacts	1	1	1	1	1	1	1
E. Institutional Preferences	5	4	5	1	1	1	1
F. Local Social Preference	1	5	5	1	3	3	1
G. Protectiveness of the Environment	5	5	5	5	5	5	5