APPENDIX C

REGION 1 SCREENING CALCULATIONS

RPM First Name: Melissa
RPM Last Name: Taylor
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RPM fax: 617-918-1291
RPM email: Taylor.MelissaG@epa.gov

Date of implementation: January 1, 2002

Name of Site: Baird & McGuire Superfund Site
Site City: Holbrook
Site State: MA
Site Region: 1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$3,500,000	
Expected duration	yrs	21.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$45,191,087***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	7	0.0%	5 to 9 wells
Pumping rate	gpm	150	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	80	5.0%	75 or more
Expected system duration	yrs	21.3	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	E	-2.5%	moderate difficulty for minor changes, severe for major changes
		Summation (%) ->	27.5%	
	Estimated potential savings (%) ->		**27.5%**	(must be between 5% and 40%)

Summary

Baseline present value:	**$45,191,087**	
Estimated potential savings (%):	- **27.5%**	
Subtotal	**$12,427,549**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$12,402,549	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name: Elaine
RPM Last Name: Stanley
RPM phone: 617-918-1332
RPM fax: 617-918-1291
RPM email: stanley.elainet@epa.gov

Date of implementation: January 1, 2002

Name of Site: Charles George Landfill Superfund Site
Site City: Tyngsboro
Site State: MA
Site Region: 1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$450,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$6,552,022***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	9	0.0%	5 to 9 wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	E	-2.5%	moderate difficulty for minor changes, severe for major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$6,552,022**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$1,146,604**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,121,604	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name: Edward
RPM Last Name: Hathaway
RPM phone: 617-918-1372
RPM fax: 617-918-1291
RPM email: hathaway.ed@epa.gov

Date of implementation: January 1, 2002

Name of Site: Eastern Surplus Company Superfund Site
Site City: Meddybemps
Site State: ME
Site Region: 1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$200,000	
Expected duration	yrs	5.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$966,468***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	12	2.5%	10 or more wells
Pumping rate	gpm	20	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	60	2.5%	50.00 to 74.99
Expected system duration	yrs	5.7	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	28.0%	
	Estimated potential savings (%) ->		**28.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$966,468**	
Estimated potential savings (%):	-	**28.0%**	
Subtotal		**$270,611**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$245,611	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name: Derrick
RPM Last Name: Golden
RPM phone: 617-918-1448
RPM fax: 617-918-1291
RPM email: golden.derrick@epa.gov

Date of implementation: January 1, 2002

Name of Site: Groveland Wells Superfund Site
Site City: Groveland
Site State: MA
Site Region: 1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	29.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$7,601,834***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	10	2.5%	10 or more wells
Pumping rate	gpm	140	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	21	-2.5%	<25
Expected system duration	yrs	29.3	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	27.5%	
	Estimated potential savings (%) ->		**27.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$7,601,834**	
Estimated potential savings (%):	-	**27.5%**	
Subtotal		**$2,090,504**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$2,065,504	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name:	Dick	**Date of implementation:**	January 1, 2002
RPM Last Name:	Goehlert		
RPM phone:	617-918-1335		
RPM fax:	617-918-1291		
RPM email:	goehlert.dick@epa.gov		

Name of Site:	Kearsarge Metallurgical Corp.
Site City:	Conway
Site State:	NH
Site Region:	1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$250,000	
Expected duration	yrs	3.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$819,414***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	14	2.5%	10 or more wells
Pumping rate	gpm	42	-2.5%	10 to 99.99 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	60	2.5%	50.00 to 74.99
Expected system duration	yrs	3.7	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	D	0.0%	moderate difficulty for minor changes or major changes
		Summation (%) ->	10.0%	
	Estimated potential savings (%) ->		**10.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$819,414**	
Estimated potential savings (%):	-	**10.0%**	
Subtotal		**$81,941**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$56,941	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name:	Cheryl	**Date of implementation:**	January 1, 2002
RPM Last Name:	Sprague		
RPM phone:	617 918-1244		
RPM fax:	617 918-1291		
RPM email:	Sprague.cheryl@epa.gov		

Name of Site:	Keefe Environmental Systems
Site City:	Epping
Site State:	NH
Site Region:	1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$200,000	
Expected duration	yrs	1.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$312,230***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	4	-2.5%	3 to 4 wells
Pumping rate	gpm	20	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	82	5.0%	75 or more
Expected system duration	yrs	1.7	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	7.5%	
	Estimated potential savings (%) ->		**7.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$312,230**	
Estimated potential savings (%):	-	**7.5%**	
Subtotal		**$23,417**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$1,583	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name:	RICHARD	**Date of implementation:**	January 1, 2002
RPM Last Name:	GOEHLERT		
RPM phone:	617-918-1335		
RPM fax:	617-918-1291		
RPM email:	GOEHLERT.DICK@EPA.GOV		

Name of Site:	Savage Well Municipal Water System
Site City:	Milford
Site State:	NH
Site Region:	1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	7.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,950,900***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	4	-2.5%	3 to 4 wells
Pumping rate	gpm	100	0.0%	100 to 500 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	114	5.0%	75 or more
Expected system duration	yrs	7.2	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
	Estimated potential savings (%) ->		**32.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$2,950,900**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$959,042**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$934,042	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

RPM First Name:	Chester	**Date of implementation:**	January 1, 2002
RPM Last Name:	Janowski		
RPM phone:	617-918-1324		
RPM fax:	617-918-1291		
RPM email:	janowski.chet@epa.gov		

Name of Site:	Silresim Chemical Corp.
Site City:	Lowell
Site State:	MA
Site Region:	1

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,400,000	
Expected duration	yrs	15.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$15,126,499***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	31	2.5%	10 or more wells
Pumping rate	gpm	25	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	94	5.0%	75 or more
Expected system duration	yrs	15.9	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	40.0%	
	Estimated potential savings (%) ->		**40.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$15,126,499**	
Estimated potential savings (%):	-	**40.0%**	
Subtotal		**$6,050,600**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$6,025,600	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 2 SCREENING CALCULATIONS

1

RPM First Name:	Christos	**Date of implementation:**	January 1, 2002
RPM Last Name:	Tsiamis		
RPM phone:	212-637-4257		
RPM fax:	212-637-3966		
RPM email:	tsiamis.christos@epa.gov		

Name of Site:	American Thermostat
Site City:	South Cairo
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,175,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$17,108,057***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	14	2.5%	10 or more wells
Pumping rate	gpm	70	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	228	5.0%	75 or more
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	29.5%	
	Estimated potential savings (%) ->		**29.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$17,108,057**	
Estimated potential savings (%):	-	**29.5%**	
Subtotal		**$5,046,877**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$5,021,877	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Edward	**Date of implementation:**	January 1, 2002
RPM Last Name:	Finnerty		
RPM phone:	212 637 4367		
RPM fax:	212-637-4393		
RPM email:	Finnerty.Ed@EPA.GOV		

Name of Site:	Bog Creek Farm LTRA
Site City:	Howell
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$460,000	
Expected duration	yrs	22.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$6,194,718***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	33	2.5%	10 or more wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	9	-2.5%	<25
Expected system duration	yrs	22.9	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	30.0%	
	Estimated potential savings (%) ->		**30.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$6,194,718**	
Estimated potential savings (%):	- **30.0%**	
Subtotal	**$1,858,415**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$1,833,415	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Lisa	**Date of implementation:**	January 1, 2002
RPM Last Name:	Wong		
RPM phone:	212-637-4267		
RPM fax:	212-637-3966		
RPM email:	wong.lisa@epa.gov		

Name of Site:	Brewster Wellfield
Site City:	Brewster
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$400,000	
Expected duration	yrs	5.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,957,217***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	4	-2.5%	3 to 4 wells
Pumping rate	gpm	50	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	64	2.5%	50.00 to 74.99
Expected system duration	yrs	5.8	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary			
		0	
Baseline present value:		**$1,957,217**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$342,513**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$317,513	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Sharon	**Date of implementation:**	January 1, 2002
RPM Last Name:	Trocher		
RPM phone:	212-637-3965		
RPM fax:	212-637-3966		
RPM email:	trocher.sharon@epa.gov		

Name of Site:	Circuitron
Site City:	East Farmingdale
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$480,000	
Expected duration	yrs	1.4	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$639,836***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	80	-2.5%	10 to 99.99 gpm
Down time per year	wks	6	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	76	5.0%	75 or more
Expected system duration	yrs	1.4	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	8.0%	
	Estimated potential savings (%) ->		**8.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$639,836**	
Estimated potential savings (%):	-	**8.0%**	
Subtotal		**$51,187**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$26,187	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Maria	**Date of implementation:**	January 1, 2002
RPM Last Name:	Jon		
RPM phone:	212-637-3967		
RPM fax:	212-637-4284		
RPM email:	Jon.Maria@epamail.epa.gov		

Name of Site:	Claremont Polychemical
Site City:	Town of Oyster Bay
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$740,000	
Expected duration	yrs	18.1	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$8,678,999***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	420	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	56	2.5%	50.00 to 74.99
Expected system duration	yrs	18.1	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	30.0%	
	Estimated potential savings (%) ->		**30.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$8,678,999**	
Estimated potential savings (%):	- **30.0%**	
Subtotal	**$2,603,700**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$2,578,700	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

6

RPM First Name:	Pamela J.	**Date of implementation:**	January 1, 2002
RPM Last Name:	Baxter		
RPM phone:	212-637-4416		
RPM fax:	212-637-4393		
RPM email:	baxter.pam@epamail.gov		

Name of Site:	Combe Fill South Landfill
Site City:	Chester Township
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$920,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$13,395,245***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	19	2.5%	10 or more wells
Pumping rate	gpm	121	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	72	2.5%	50.00 to 74.99
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	38.0%	
	Estimated potential savings (%) ->		**38.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$13,395,245**	
Estimated potential savings (%):	- **38.0%**	
Subtotal	**$5,090,193**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$5,065,193	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

7

RPM First Name:	Diego	**Date of implementation:**	January 1, 2002
RPM Last Name:	Garcia		
RPM phone:	212-637-4947		
RPM fax:			
RPM email:	garcia.diego@epa.gov		

Name of Site:	Dover Municipal Well 4
Site City:	Dover
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	0.0	#N/A	#N/A
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	0	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	#N/A	
	Estimated potential savings (%) ->		**#N/A**	(must be between 5% and 40%)

Summary	0	
Baseline present value:	**$0**	
Estimated potential savings (%):	- **#N/A**	
Subtotal	**#N/A**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	#N/A	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

8

RPM First Name:	Brian	**Date of implementation:**	January 1, 2002
RPM Last Name:	Quinn		
RPM phone:	212-637-4381		
RPM fax:	212-637-4393		
RPM email:	quinn.brian@epa.gov		

Name of Site:	Garden State Cleaners/South Jersey Clothing Company
Site City:	Minotola
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	27.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$7,409,547***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	15	2.5%	10 or more wells
Pumping rate	gpm	300	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	54	2.5%	50.00 to 74.99
Expected system duration	yrs	27.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
	Estimated potential savings (%) ->		**32.5%**	(must be between 5% and 40%)

Summary		0	
Baseline present value:		**$7,409,547**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$2,408,103**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$2,383,103	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

9

RPM First Name:	Pamela J.	**Date of implementation:**	January 1, 2002
RPM Last Name:	Baxter		
RPM phone:	212-637-4416		
RPM fax:	212-637-4393		
RPM email:	baxter.pam@epamail.gov		

Name of Site:	Higgins Farm
Site City:	Franklin Township
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,000,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$14,560,049***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	20	2.5%	10 or more wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	102	5.0%	75 or more
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	40.5%	
	Estimated potential savings (%) ->		**40.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$14,560,049**	
Estimated potential savings (%):	-	**40.0%**	
Subtotal		**$5,824,020**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$5,799,020	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

10

RPM First Name:	Mark	**Date of implementation:**	January 1, 2002
RPM Last Name:	Dannenberg		
RPM phone:	212-637-4251		
RPM fax:	212-637-3966		
RPM email:	dannenberg.mark@epa.gov		

Name of Site:	Islip Municipal Landfill
Site City:	Islip
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$225,000	
Expected duration	yrs	1.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$214,286***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	300	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	96	5.0%	75 or more
Expected system duration	yrs	1.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	7.5%	
	Estimated potential savings (%) ->		**7.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$214,286**	
Estimated potential savings (%):	- **7.5%**	
Subtotal	**$16,071**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$8,929	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

11

RPM First Name:	Lawrence	**Date of implementation:**	January 1, 2002
RPM Last Name:	Granite		
RPM phone:	212-637-4423		
RPM fax:	212-637-4393		
RPM email:	granite.larry@epamail.epa.gov		

Name of Site:	Lang Property
Site City:	Pemberton Township, NJ
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$700,000	
Expected duration	yrs	3.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,907,890***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	32	0.0%	25.00 to 49.99
Expected system duration	yrs	3.0	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	2.5%	
	Estimated potential savings (%) ->		**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$1,907,890**	
Estimated potential savings (%):	-	**5.0%**	
Subtotal		**$95,395**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$70,395	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

12

RPM First Name:	Ferdinand	**Date of implementation:**	January 1, 2002
RPM Last Name:	Cataneo		
RPM phone:	212-637-4428		
RPM fax:	212-637-4393		
RPM email:	cataneo.fred@epa.gov		

Name of Site:	Lipari Landfill site
Site City:	Mantua Township
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$2,500,000	
Expected duration	yrs	2.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$6,634,566***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	25	2.5%	10 or more wells
Pumping rate	gpm	125	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	39	0.0%	25.00 to 49.99
Expected system duration	yrs	2.9	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$6,634,566**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$1,161,049**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,136,049	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

13

RPM First Name:	Edward	**Date of implementation:**	January 1, 2002
RPM Last Name:	Als		
RPM phone:	212-637-4272		
RPM fax:	212-637-3966		
RPM email:	als.ed@epa.gov		

Name of Site:	Mattiace Petrochemical
Site City:	Glen Cove, Nassau County
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$700,000	
Expected duration	yrs	27.6	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$10,358,307***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	9	0.0%	5 to 9 wells
Pumping rate	gpm	10	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	5	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	15	-2.5%	<25
Expected system duration	yrs	27.6	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	23.0%	
	Estimated potential savings (%) ->		**23.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$10,358,307**	
Estimated potential savings (%):	- **23.0%**	
Subtotal	**$2,382,411**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$2,357,411	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

14

RPM First Name:	Dan	**Date of implementation:**	January 1, 2002
RPM Last Name:	Weissman		
RPM phone:	212-637-4384		
RPM fax:	0.0%		
RPM email:	weissman.dan@epa.gov		

Name of Site:	Metal TEC/Aerosystems
Site City:	Franklin
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	0.0	#N/A	#N/A
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	0	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	0.0	#N/A	#N/A
		Summation (%) ->	#N/A	
	Estimated potential savings (%) ->		**#N/A**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$0**	
Estimated potential savings (%):	- **#N/A**	
Subtotal	**#N/A**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	#N/A	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

15

RPM First Name:	Patrick	**Date of implementation:**	January 1, 2002
RPM Last Name:	Hamblin		
RPM phone:	212-637-3314		
RPM fax:	212-637-3966		
RPM email:	hamblin.patrick@epa.gov		

Name of Site:	Mohonk Road Industrial Plant
Site City:	High Falls
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	29.5	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	40	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	34	0.0%	25.00 to 49.99
Expected system duration	yrs	29.5	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
	Estimated potential savings (%) ->		**25.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$0**	
Estimated potential savings (%):	- **25.5%**	
Subtotal	**$0**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

16

RPM First Name:	Monica	**Date of implementation:**	January 1, 2002
RPM Last Name:	Mahar		
RPM phone:	212-637-3942		
RPM fax:			
RPM email:	mahar.monica@epa.gov		

Name of Site:	Montgomery Township/Rocky Hill
Site City:	Montgomery Township
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$400,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$6,148,980***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	250	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	80	5.0%	75 or more
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	28.0%	
	Estimated potential savings (%) ->		**28.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$6,148,980**	
Estimated potential savings (%):	- **28.0%**	
Subtotal	**$1,721,715**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$1,696,715	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

17

RPM First Name:	Mark	**Date of implementation:**	January 1, 2002
RPM Last Name:	Dannenberg		
RPM phone:	212-637-4251		
RPM fax:	212-637-3966		
RPM email:	dannenberg.mark@epa.gov		

Name of Site:	SMS Instruments
Site City:	Deer Park
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$400,000	
Expected duration	yrs	2.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$801,729***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	2	-5.0%	1 to 2 wells
Pumping rate	gpm	100	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	72	2.5%	50.00 to 74.99
Expected system duration	yrs	2.2	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	7.5%	
	Estimated potential savings (%) ->		**7.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$801,729**	
Estimated potential savings (%):	- **7.5%**	
Subtotal	**$60,130**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$35,130	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

18

RPM First Name:	Damian	**Date of implementation:**	January 1, 2002
RPM Last Name:	Duda		
RPM phone:	212-637-4269		
RPM fax:	212-637-3966		
RPM email:	duda.damian@epa.gov		

Name of Site:	Stanton Cleaners Area Groundwater Contamination Site
Site City:	Great Neck
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$270,000	
Expected duration	yrs	19.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$3,332,717***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	90	-2.5%	10 to 99.99 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	5	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	120	5.0%	75 or more
Expected system duration	yrs	19.7	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	28.0%	
	Estimated potential savings (%) ->		**28.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$3,332,717**	
Estimated potential savings (%):	- **28.0%**	
Subtotal	**$933,161**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$908,161	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

19

RPM First Name:	Pamela J.	**Date of implementation:**	January 1, 2002
RPM Last Name:	Baxter		
RPM phone:	212-637-4416		
RPM fax:	212-637-4393		
RPM email:	baxter.pam@epamail.gov		

Name of Site:	Syncon Resins
Site City:	Kearny
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$350,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$5,096,017***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	20	-2.5%	10 to 99.99 gpm
Down time per year	wks	3	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	6	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	28.0%	
	Estimated potential savings (%) ->		**28.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$5,096,017**	
Estimated potential savings (%):	- **28.0%**	
Subtotal	**$1,426,885**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$1,401,885	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

20

RPM First Name:	Sharon	**Date of implementation:**	January 1, 2002
RPM Last Name:	Trocher		
RPM phone:	212-637-3965		
RPM fax:	212-637-3966		
RPM email:	trocher.sharon@epa.gov		

Name of Site:	Vestal Water Supply Well 1-1
Site City:	Vestal
Site State:	NY
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$180,000	
Expected duration	yrs	13.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,706,600***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	450	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	12	-2.5%	<25
Expected system duration	yrs	13.2	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	10.0%	
	Estimated potential savings (%) ->		**10.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$1,706,600**	
Estimated potential savings (%):	- **10.0%**	
Subtotal	**$170,660**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$145,660	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

21

RPM First Name:	Matthew	**Date of implementation:**	January 1, 2002
RPM Last Name:	Westgate		
RPM phone:	212 637-4422		
RPM fax:	212 637-4429		
RPM email:	westgate.matthew@epamail.epa.gov		

Name of Site:	Vineland Chemical Co. Groundwater Treatment
Site City:	Vineland
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$4,000,000	
Expected duration	yrs	29.4	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$60,970,474***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	13	2.5%	10 or more wells
Pumping rate	gpm	1400	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	2080	5.0%	75 or more
Expected system duration	yrs	29.4	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	E	-2.5%	moderate difficulty for minor changes, severe for major changes
		Summation (%) ->	30.0%	
		Estimated potential savings (%) ->	**30.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$60,970,474**
Estimated potential savings (%):	-	**30.0%**
Subtotal		**$18,291,142**
Estimated RSE cost (Tier 3):	-	**$25,000**
		$18,266,142 ***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

22

RPM First Name:	Ferdinand	**Date of implementation:**	January 1, 2002
RPM Last Name:	Cataneo		
RPM phone:	212-637-4428		
RPM fax:	212-637-4393		
RPM email:	cataneo.fred@epa.gov		

Name of Site:	Williams Property
Site City:	Swainton, Middle Township
Site State:	NJ
Site Region:	2

Cost Item	Units	Value	
Annual O&M cost	$/yr	$350,000	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	2	-5.0%	1 to 2 wells
Pumping rate	gpm	80	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	36	0.0%	25.00 to 49.99
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	0.0%	
		Estimated potential savings (%) ->	**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$0**	
Estimated potential savings (%):	-	**5.0%**	
Subtotal		**$0**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 3 SCREENING CALCULATIONS

1

RPM First Name:	Charlie	**Date of implementation:**	January 1, 2002
RPM Last Name:	Root		
RPM phone:	215-814-3193		
RPM fax:	215-814-3002		
RPM email:	root.charlie@epa.gov		

Name of Site:	AIW Frank/Mid-County Mustang Site, OU#1
Site City:	Exton
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$180,000	
Expected duration	yrs	29.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,754,138***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	118	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	60	2.5%	50.00 to 74.99
Expected system duration	yrs	29.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	28.0%	
	Estimated potential savings (%) ->		**28.0%**	(must be between 5% and 40%)

Summary

Baseline present value:	**$2,754,138**	
Estimated potential savings (%):	- **28.0%**	
Subtotal	**$771,159**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$746,159	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Bruce	**Date of implementation:**	January 1, 2002
RPM Last Name:	Rundell		
RPM phone:	215-814-3317		
RPM fax:	215-814-3015		
RPM email:	rundell.bruce@epa.gov		

Name of Site:	Berks Sand Pit
Site City:	Huffs Church
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$150,000	
Expected duration	yrs	1.1	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$154,672***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	90	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	48	0.0%	25.00 to 49.99
Expected system duration	yrs	1.1	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	-7.5%	
		Estimated potential savings (%) ->	**5.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$154,672**	
Estimated potential savings (%):	-	**5.0%**	
Subtotal		**$7,734**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$17,266	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Rom	**Date of implementation:**	January 1, 2002
RPM Last Name:	Roman		
RPM phone:	215-814-3212		
RPM fax:	215-814-3015		
RPM email:	roman.romuald@epa.gov		

Name of Site:	Butz Landfill
Site City:	Monroe Township
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$250,000	
Expected duration	yrs	29.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$3,800,917***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	90	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	68	2.5%	50.00 to 74.99
Expected system duration	yrs	29.3	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	25.0%	
	Estimated potential savings (%) ->		**25.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$3,800,917**	
Estimated potential savings (%):	-	**25.0%**	
Subtotal		**$950,229**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$925,229	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Cesar	**Date of implementation:**	January 1, 2002
RPM Last Name:	Lee		
RPM phone:	215-814-3205		
RPM fax:	215-814-3205		
RPM email:	lee.cesar@epa.gov		

Name of Site:	Croydon TCE
Site City:	Bristol Township
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$200,000	
Expected duration	yrs	23.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,708,981***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	25	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	28	0.0%	25.00 to 49.99
Expected system duration	yrs	23.2	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	20.0%	
	Estimated potential savings (%) ->		**20.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$2,708,981**	
Estimated potential savings (%):	-	**20.0%**	
Subtotal		**$541,796**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$516,796	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Joseph	**Date of implementation:**	January 1, 2002
RPM Last Name:	McDowell		
RPM phone:	215-814-3192		
RPM fax:	215-814-3002		
RPM email:	mcdowell.joseph@epa.gov		

Name of Site:	CryoChem
Site City:	Earl Township
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$125,000	
Expected duration	yrs	8.4	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$842,157***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	9	0.0%	5 to 9 wells
Pumping rate	gpm	60	-2.5%	10 to 99.99 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	4	-2.5%	<25
Expected system duration	yrs	8.4	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	8.0%	
	Estimated potential savings (%) ->		**8.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$842,157**	
Estimated potential savings (%):	-	**8.0%**	
Subtotal		**$67,373**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$42,373	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

6

RPM First Name:	Philip	**Date of implementation:**	January 1, 2002
RPM Last Name:	Rotstein		
RPM phone:	215-814-3232		
RPM fax:	215-814-3002		
RPM email:	rotstein.phil@epa.gov		

Name of Site:	Greenwood Chemical Site
Site City:	Greenwood
Site State:	VA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$400,000	
Expected duration	yrs	18.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$4,810,341***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	45	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	5	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	136	5.0%	75 or more
Expected system duration	yrs	18.8	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
	Estimated potential savings (%) ->		**32.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$4,810,341**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$1,563,361**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,538,361	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

7

RPM First Name:	Gregory	**Date of implementation:**	January 1, 2002
RPM Last Name:	Ham		
RPM phone:	215-814-3194		
RPM fax:	215-814-3002		
RPM email:	ham.greg@epa.gov		

Name of Site:	Havertown PCP OU2
Site City:	Havertown
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,000,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$15,372,451***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	4	-2.5%	3 to 4 wells
Pumping rate	gpm	45	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	30	0.0%	25.00 to 49.99
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
	Estimated potential savings (%) ->		**25.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$15,372,451**	
Estimated potential savings (%):	-	**25.5%**	
Subtotal		**$3,919,975**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$3,894,975	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

8

RPM First Name:	Cesar	**Date of implementation:**	January 1, 2002
RPM Last Name:	Lee		
RPM phone:	215-814-3205		
RPM fax:	215-814-3205		
RPM email:	lee.cesar@epa.gov		

Name of Site:	Hellertown Manufacturing
Site City:	Bethlehem
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$350,000	
Expected duration	yrs	24.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$4,900,578***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	50	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	48	0.0%	25.00 to 49.99
Expected system duration	yrs	24.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	20.5%	
	Estimated potential savings (%) ->		**20.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$4,900,578**	
Estimated potential savings (%):	-	**20.5%**	
Subtotal		**$1,004,619**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$979,619	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

9

RPM First Name:	Maria de los A.	**Date of implementation:**	January 1, 2002
RPM Last Name:	Garcia		
RPM phone:	215-814-3199		
RPM fax:	215-814-3002		
RPM email:	garcia.maria@epa.gov		

Name of Site:	North Penn Area 1
Site City:	Souderton, Montgomery County
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$100,000	
Expected duration	yrs	16.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,113,534***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	2	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	8	-2.5%	<25
Expected system duration	yrs	16.7	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	10.0%	
	Estimated potential savings (%) ->		**10.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$1,113,534**	
Estimated potential savings (%):	-	**10.0%**	
Subtotal		**$111,353**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$86,353	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

10

RPM First Name:	Gregory	**Date of implementation:**	January 1, 2002
RPM Last Name:	Ham		
RPM phone:	215-814-3194		
RPM fax:	215-814-3002		
RPM email:	ham.greg@epa.gov		

Name of Site:	North Penn Area 6
Site City:	Lansdale
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$592,900	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$9,114,326***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	10	2.5%	10 or more wells
Pumping rate	gpm	300	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	120	5.0%	75 or more
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	35.5%	
	Estimated potential savings (%) ->		**35.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$9,114,326**	
Estimated potential savings (%):	-	**35.5%**	
Subtotal		**$3,235,586**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$3,210,586	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

11

RPM First Name:	Deanna	**Date of implementation:**	January 1, 2002
RPM Last Name:	Moultrie		
RPM phone:	215-814-5125		
RPM fax:	215-814-3002		
RPM email:	moultrie.deanna@epa.gov		

Name of Site:	Raymark
Site City:	Hatboro
Site State:	PA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$155,711	
Expected duration	yrs	12.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,380,802***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	2	-5.0%	1 to 2 wells
Pumping rate	gpm	62	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	12.0	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$1,380,802**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$241,640**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$216,640	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

12

RPM First Name:	Andrew	**Date of implementation:**	January 1, 2002
RPM Last Name:	Palestini		
RPM phone:	215-814-3233		
RPM fax:	215-814-3002		
RPM email:	palestini.andy@epa.gov		

Name of Site:	Saunders Supply Company
Site City:	Chuckatuck
Site State:	VA
Site Region:	3

Cost Item	Units	Value	
Annual O&M cost	$/yr	$80,000	
Expected duration	yrs	6.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$420,648***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	4	-2.5%	3 to 4 wells
Pumping rate	gpm	2	-5.0%	<10 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	6.3	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	17.0%	
	Estimated potential savings (%) ->		**17.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$420,648**	
Estimated potential savings (%):	-	**17.0%**	
Subtotal		**$71,510**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$46,510	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 4 SCREENING CALCULATIONS

1

RPM First Name:	Luis	**Date of implementation:**	January 1, 2002
RPM Last Name:	Flores		
RPM phone:	404-562-8807		
RPM fax:			
RPM email:	flores.luis@epa.gov		

Name of Site:	ABC Cleaners
Site City:	Jacksonville
Site State:	NC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	0.0	#N/A	#N/A
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	0.0	#N/A	#N/A
		Summation (%) ->	#N/A	
	Estimated potential savings (%) ->		**#N/A**	(must be between 5% and 40%)

Summary

Baseline present value:	**$0**	
Estimated potential savings (%):	- **#N/A**	
Subtotal	**#N/A**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	#N/A	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Mark	**Date of implementation:**	January 1, 2002
RPM Last Name:	Fite		
RPM phone:	404-562-8927		
RPM fax:			
RPM email:	fite.mark@epa.gov		

Name of Site:	American Creosote Works (DNAPL)
Site City:	Pensacola
Site State:	FL
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	1.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$376,644***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	8	0.0%	5 to 9 wells
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	8	-2.5%	<25
Expected system duration	yrs	1.3	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	7.5%	
	Estimated potential savings (%) ->		**7.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$376,644**	
Estimated potential savings (%):	-	**7.5%**	
Subtotal		**$28,248**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$3,248	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Mark	**Date of implementation:**	January 1, 2002
RPM Last Name:	Fite		
RPM phone:	404-562-8927		
RPM fax:	0.0%		
RPM email:	fite.mark@epa.gov		

Name of Site:	American Creosote Works (solute)
Site City:	Pensacola
Site State:	FL
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$452,000	
Expected duration	yrs	7.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,822,434***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	105	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	20	-2.5%	<25
Expected system duration	yrs	7.7	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$2,822,434**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$493,926**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$468,926	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Jon	**Date of implementation:**	January 1, 2002
RPM Last Name:	Bornholm		
RPM phone:	404-562-8820		
RPM fax:	0.0%		
RPM email:	bornholm.jon@epa.gov		

Name of Site:	Benfield Industries
Site City:	Hazelwood
Site State:	NC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$30,000	
Expected duration	yrs	19.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$366,494***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	2	-5.0%	1 to 2 wells
Pumping rate	gpm	16	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	32	0.0%	25.00 to 49.99
Expected system duration	yrs	19.3	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	15.0%	
	Estimated potential savings (%) ->		**15.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$366,494**	
Estimated potential savings (%):	-	**15.0%**	
Subtotal		**$54,974**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$29,974	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Jon	**Date of implementation:**	January 1, 2002
RPM Last Name:	Bornholm		
RPM phone:	404-562-8820		
RPM fax:	404-562-8788		
RPM email:	bornholm.jon@epa.gov		

Name of Site:	Cape Fear Wood Preserving
Site City:	Fayetteville
Site State:	NC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$40,000	
Expected duration	yrs	7.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$256,425***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	7	0.0%	5 to 9 wells
Pumping rate	gpm	43	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	100	5.0%	75 or more
Expected system duration	yrs	7.9	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	22.5%	
	Estimated potential savings (%) ->		**22.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$256,425**	
Estimated potential savings (%):	-	**22.5%**	
Subtotal		**$57,696**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$32,696	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

6

RPM First Name:	Randall	**Date of implementation:**	January 1, 2002
RPM Last Name:	Chaffins		
RPM phone:	404-562-8929		
RPM fax:	0.0%		
RPM email:	chaffins.randall@epa.gov		

Name of Site:	Coleman Evans Wood Preserving
Site City:	Whitehouse
Site State:	FL
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	0.0	#N/A	#N/A
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	0	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	0.0	#N/A	#N/A
		Summation (%) ->	#N/A	
	Estimated potential savings (%) ->		**#N/A**	(must be between 5% and 40%)

Summary

Baseline present value:	**$0**	
Estimated potential savings (%):	- **#N/A**	
Subtotal	**#N/A**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	#N/A	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

7

RPM First Name:	Ralph	**Date of implementation:**	January 1, 2002
RPM Last Name:	Howard		
RPM phone:	404-562-8829		
RPM fax:	0.0%		
RPM email:	howard.ralph@epa.gov		

Name of Site:	Elmore Waste Disposal
Site City:	Greer
Site State:	SC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$180,000	
Expected duration	yrs	16.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,004,361***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	9	0.0%	5 to 9 wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	68	2.5%	50.00 to 74.99
Expected system duration	yrs	16.7	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	20.0%	
		Estimated potential savings (%) ->	**20.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$2,004,361**	
Estimated potential savings (%):	-	**20.0%**	
Subtotal		**$400,872**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$375,872	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

8

RPM First Name:	Ken	**Date of implementation:**	January 1, 2002
RPM Last Name:	Mallory		
RPM phone:	404-562-8802		
RPM fax:	0.0%		
RPM email:	mallory.ken@epa.gov		

Name of Site:	FCX Statesville
Site City:	Statesville
Site State:	NC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$150,000	
Expected duration	yrs	6.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$797,565***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	10	2.5%	10 or more wells
Pumping rate	gpm	20	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	72	2.5%	50.00 to 74.99
Expected system duration	yrs	6.3	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	20.0%	
	Estimated potential savings (%) ->		**20.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$797,565**	
Estimated potential savings (%):	-	**20.0%**	
Subtotal		**$159,513**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$134,513	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

9

RPM First Name: Jim
RPM Last Name: McGuire
RPM phone: 404-562-8911
RPM fax: 0.0%
RPM email: mcguire.jim@epa.gov

Date of implementation: January 1, 2002

Name of Site: Miami Drum
Site City: Hialeah
Site State: FL
Site Region: 4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,000,000	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	0.0	#N/A	#N/A
Number of pumping wells	#	40	2.5%	10 or more wells
Pumping rate	gpm	104000	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	0.0	#N/A	#N/A
		Summation (%) ->	#N/A	
		Estimated potential savings (%) ->	**#N/A**	(must be between 5% and 40%)

Summary

Baseline present value:	**$0**	
Estimated potential savings (%):	- **#N/A**	
Subtotal	**#N/A**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	#N/A	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

10

RPM First Name:	Al	**Date of implementation:**	January 1, 2002
RPM Last Name:	Cherry		
RPM phone:	404-562-8807		
RPM fax:	0.0%		
RPM email:	cherry.al@epa.gov		

Name of Site:	Palmetto Wood
Site City:	Lexington
Site State:	SC
Site Region:	4

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	6.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,595,131***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	10	2.5%	10 or more wells
Pumping rate	gpm	130	0.0%	100 to 500 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	16	-2.5%	<25
Expected system duration	yrs	6.3	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	18.0%	
	Estimated potential savings (%) ->		**18.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$1,595,131**	
Estimated potential savings (%):	-	**18.0%**	
Subtotal		**$287,124**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$262,124	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 5 SCREENING CALCULATIONS

1

RPM First Name:	Darryl	**Date of implementation:**	January 1, 2002
RPM Last Name:	Owens		
RPM phone:	312-886-7089		
RPM fax:	0.0%		
RPM email:	owens.darryl@epa.gov		

Name of Site:	Arrowhead Refinery
Site City:	Hermantown
Site State:	MN
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$70,000	
Expected duration	yrs	2.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$145,512***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	25	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	36	0.0%	25.00 to 49.99
Expected system duration	yrs	2.2	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	0.5%	
	Estimated potential savings (%) ->		**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$145,512**	
Estimated potential savings (%):	- **5.0%**	
Subtotal	**$7,276**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$17,724	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name: John
RPM Last Name: Peterson
RPM phone: 312-353-1264
RPM fax: 0.0%
RPM email: peterson.john@epa.gov

Date of implementation: January 1, 2002

Name of Site: Better Brite Plating Co. Chrome and Zinc Shops
Site City: Depere
Site State: WI
Site Region: 5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$36,000	
Expected duration	yrs	28.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$538,699***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	28	0.0%	25.00 to 49.99
Expected system duration	yrs	28.3	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	12.0%	
	Estimated potential savings (%) ->		**12.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$538,699**	
Estimated potential savings (%):	- **12.0%**	
Subtotal	**$64,644**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$39,644	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Dion	**Date of implementation:**	January 1, 2002
RPM Last Name:	Novak		
RPM phone:	312-886-4737		
RPM fax:	0.0%		
RPM email:	Novak.Dion@epa.gov		

Name of Site:	Douglass Road
Site City:	Mishawaka
Site State:	IN
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$120,000	
Expected duration	yrs	28.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,810,266***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	1000	2.5%	>500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	72	2.5%	50.00 to 74.99
Expected system duration	yrs	28.8	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
		Estimated potential savings (%) ->	**32.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$1,810,266**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$588,336**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$563,336	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Kyle	**Date of implementation:**	January 1, 2002
RPM Last Name:	Rogers		
RPM phone:	312-886-1995		
RPM fax:	0.0%		
RPM email:	rogers.kyle@epa.gov		

Name of Site:	Duell and Gardner
Site City:	Dalton Township
Site State:	MI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	5.5	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	2	-5.0%	1 to 2 wells
Pumping rate	gpm	80	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	50	2.5%	50.00 to 74.99
Expected system duration	yrs	5.5	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	15.0%	
	Estimated potential savings (%) ->		**15.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$0**	
Estimated potential savings (%):	- **15.0%**	
Subtotal	**$0**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Sheri	**Date of implementation:**	January 1, 2002
RPM Last Name:	Bianchin		
RPM phone:	312-886-4745		
RPM fax:	0.0%		
RPM email:	bianchin.sheri@epa.gov		

Name of Site:	Eau Claire Municipal Well Field
Site City:	Eau Claire
Site State:	WI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$175,000	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	14	2.5%	10 or more wells
Pumping rate	gpm	4500	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	F	-5.0%	severe difficulty for minor changes or major changes
		Summation (%) ->	-7.5%	
	Estimated potential savings (%) ->		**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$0**	
Estimated potential savings (%):	- **5.0%**	
Subtotal	**$0**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

6

RPM First Name:	Steve	**Date of implementation:**	January 1, 2002
RPM Last Name:	Padovani		
RPM phone:	312-353-6755		
RPM fax:	0.0%		
RPM email:	padovani.steven@epa.gov		

Name of Site:	La Salle Electrical Utilities
Site City:	La Salle
Site State:	IL
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$230,000	
Expected duration	yrs	3.2	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$658,089***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	20	-2.5%	10 to 99.99 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	100	5.0%	75 or more
Expected system duration	yrs	3.2	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	12.5%	
	Estimated potential savings (%) ->		**12.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$658,089**	
Estimated potential savings (%):	-	**12.5%**	
Subtotal		**$82,261**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$57,261	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

7

RPM First Name:	Sheila	**Date of implementation:**	January 1, 2002
RPM Last Name:	Sullivan		
RPM phone:	312-886-5251		
RPM fax:	0.0%		
RPM email:	sullivan.sheila@epa.gov		

Name of Site:	Long Prairie
Site City:	Long Prairie
Site State:	MN
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	13.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,933,325***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	9	0.0%	5 to 9 wells
Pumping rate	gpm	227	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	22	-2.5%	<25
Expected system duration	yrs	13.8	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	15.5%	
	Estimated potential savings (%) ->		**15.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$2,933,325**	
Estimated potential savings (%):	- **15.5%**	
Subtotal	**$454,665**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$429,665	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

8

RPM First Name: Darryl
RPM Last Name: Owens
RPM phone: 312-886-7089
RPM fax: 0.0%
RPM email: owens.darryl@epa.gov

Date of implementation: January 1, 2002

Name of Site: MacGillis and Gibbs/Bell Lumber & Pole
Site City: New Brighton
Site State: MN
Site Region: 5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	27.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$4,451,949***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	14	2.5%	10 or more wells
Pumping rate	gpm	60	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	60	2.5%	50.00 to 74.99
Expected system duration	yrs	27.8	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	32.0%	
	Estimated potential savings (%) ->		**32.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$4,451,949**	
Estimated potential savings (%):	- **32.0%**	
Subtotal	**$1,424,624**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$1,399,624	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

9

RPM First Name:	Steve	**Date of implementation:**	January 1, 2002
RPM Last Name:	Padovani		
RPM phone:	312-353-6755		
RPM fax:	0.0%		
RPM email:	padovani.steven@epa.gov		

Name of Site:	Oconomowoc Electroplating
Site City:	Ashippun
Site State:	WI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$471,000	
Expected duration	yrs	24.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$6,594,778***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	30	-2.5%	10 to 99.99 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	24.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	24.5%	
	Estimated potential savings (%) ->		**24.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$6,594,778**	
Estimated potential savings (%):	-	**24.5%**	
Subtotal		**$1,615,721**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,590,721	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

10

RPM First Name:	Timothy	**Date of implementation:**	January 1, 2002
RPM Last Name:	Prendiville		
RPM phone:	312-886-5122		
RPM fax:	0.0%		
RPM email:	prendiville.timothy@epa.gov		

Name of Site:	Onalaska Municipal Landfill
Site City:	Onalaska
Site State:	WI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$200,000	
Expected duration	yrs	0.5	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$95,617***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	560	2.5%	>500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	20	-2.5%	<25
Expected system duration	yrs	0.5	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	2.5%	
		Estimated potential savings (%) ->	**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$95,617**	
Estimated potential savings (%):	-	**5.0%**	
Subtotal		**$4,781**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$20,219	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

11

RPM First Name:	John	**Date of implementation:**	January 1, 2002
RPM Last Name:	Fagiolo		
RPM phone:	312-886-0800		
RPM fax:	0.0%		
RPM email:	fagiolo.john@epa.gov		

Name of Site:	Ott/Story/Cordova Chem Co.
Site City:	Dalton Township
Site State:	MI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$2,400,000	
Expected duration	yrs	28.6	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$36,108,756***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	10	2.5%	10 or more wells
Pumping rate	gpm	700	2.5%	>500 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	120	5.0%	75 or more
Expected system duration	yrs	28.6	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	45.0%	
	Estimated potential savings (%) ->		**40.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$36,108,756**	
Estimated potential savings (%):	-	**40.0%**	
Subtotal		**$14,443,502**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$14,418,502	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

12

RPM First Name: Mike
RPM Last Name: Ribordy
RPM phone: 312-886-4592
RPM fax: 0.0%
RPM email: ribordy.mike@epa.gov

Date of implementation: January 1, 2002

Name of Site: Peerless Plating
Site City: Muskegon Township
Site State: MI
Site Region: 5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$400,000	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	165	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	24	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	2.5%	
		Estimated potential savings (%) ->	**5.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$0**
Estimated potential savings (%):	-	**5.0%**
Subtotal		**$0**
Estimated RSE cost (Tier 3):	-	**$25,000**
		-$25,000 ***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

13

RPM First Name:	Ken	**Date of implementation:**	January 1, 2002
RPM Last Name:	Glatz		
RPM phone:	312-886-1434		
RPM fax:	0.0%		
RPM email:	glatz.ken@epa.gov		

Name of Site:	U.S. Aviex
Site City:	Howard Township
Site State:	MI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	1.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$468,345***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	170	0.0%	100 to 500 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	120	5.0%	75 or more
Expected system duration	yrs	1.7	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	5.0%	
	Estimated potential savings (%) ->		**5.0%**	(must be between 5% and 40%)

Summary		
	0	
Baseline present value:	**$468,345**	
Estimated potential savings (%):	- **5.0%**	
Subtotal	**$23,417**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	-$1,583	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

14

RPM First Name:	Richard	**Date of implementation:**	January 1, 2002
RPM Last Name:	Boice		
RPM phone:	312-886-4740		
RPM fax:	0.0%		
RPM email:	boice.richard@epa.gov		

Name of Site:	Verona Well Field
Site City:	Battle Creek
Site State:	MI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$225,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$3,458,801***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	250	0.0%	100 to 500 gpm
Down time per year	wks	2	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	10	-2.5%	<25
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
Estimated potential savings (%) ->			**25.5%**	(must be between 5% and 40%)

Summary 0

Baseline present value:		**$3,458,801**
Estimated potential savings (%):	-	**25.5%**
Subtotal		**$881,994**
Estimated RSE cost (Tier 3):	-	**$25,000**
		$856,994 ***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

15

RPM First Name:	Russell	**Date of implementation:**	January 1, 2002
RPM Last Name:	Hart		
RPM phone:	312-886-4844		
RPM fax:	0.0%		
RPM email:	hart.russell@epa.gov		

Name of Site:	Wash King Laundry
Site City:	Pleasant Plains Township
Site State:	MI
Site Region:	5

Cost Item	Units	Value	
Annual O&M cost	$/yr	$75,000	
Expected duration	yrs	19.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$913,889***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	250	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	46	0.0%	25.00 to 49.99
Expected system duration	yrs	19.3	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	23.0%	
		Estimated potential savings (%) ->	**23.0%**	(must be between 5% and 40%)

Summary 0

Baseline present value:	**$913,889**	
Estimated potential savings (%):	- **23.0%**	
Subtotal	**$210,195**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$185,195	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 6 SCREENING CALCULATIONS

1

RPM First Name:	Stacey	**Date of implementation:**	January 1, 2002
RPM Last Name:	Bennett		
RPM phone:	214-665-6729		
RPM fax:	214-665-6660		
RPM email:	bennett.stacey@epa.gov		

Name of Site:	American Creosote Works
Site City:	Winnfield
Site State:	LA
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$360,000	
Expected duration	yrs	25.1	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$5,084,310***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	18	2.5%	10 or more wells
Pumping rate	gpm	5.0	-5.0%	<10 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	72	2.5%	50.00 to 74.99
Expected system duration	yrs	25.1	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	22.0%	
	Estimated potential savings (%) ->		**22.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$5,084,310**	
Estimated potential savings (%):	-	**22.0%**	
Subtotal		**$1,118,548**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,093,548	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Katrina	**Date of implementation:**	January 1, 2002
RPM Last Name:	Coltrain		
RPM phone:	214-665-8143		
RPM fax:	214-665-6660		
RPM email:	coltrain.katrina@epa.gov		

Name of Site:	Bayou Bonfouca
Site City:	Slidell
Site State:	LA
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$402,000	
Expected duration	yrs	19.5	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$4,936,430***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	44	2.5%	10 or more wells
Pumping rate	gpm	22.5	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	132	5.0%	75 or more
Expected system duration	yrs	19.5	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
	Estimated potential savings (%) ->		**25.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$4,936,430**	
Estimated potential savings (%):	-	**25.5%**	
Subtotal		**$1,258,790**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,233,790	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Petra	**Date of implementation:**	January 1, 2002
RPM Last Name:	Sanchez		
RPM phone:	214-665-6686		
RPM fax:	214-665-6660		
RPM email:	sanchez.petra@epa.gov		

Name of Site:	Cimarron Mining
Site City:	Carizozo
Site State:	NM
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,000,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$15,372,451***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	1.0	-5.0%	<10 gpm
Down time per year	wks	4	5.0%	4 wks or more
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	12	-2.5%	<25
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	E	-2.5%	moderate difficulty for minor changes, severe for major changes
		Summation (%) ->	15.0%	
	Estimated potential savings (%) ->		**15.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$15,372,451**	
Estimated potential savings (%):	-	**15.0%**	
Subtotal		**$2,305,868**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$2,280,868	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Vincent	**Date of implementation:**	January 1, 2002
RPM Last Name:	Malott		
RPM phone:	214-665-8313		
RPM fax:	214-665-6660		
RPM email:	malott.vincent@epa.gov		

Name of Site:	City of Perryton Well #2
Site City:	Perryton
Site State:	TX
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$37,000	
Expected duration	yrs	21.6	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$481,977***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	150.0	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	20	-2.5%	<25
Expected system duration	yrs	21.6	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
Estimated potential savings (%) ->			**17.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$481,977**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$84,346**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$59,346	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Ruben	**Date of implementation:**	January 1, 2002
RPM Last Name:	Moya		
RPM phone:	214-665-2755		
RPM fax:	214-665-6660		
RPM email:	moya.ruben@epa.gov		

Name of Site:	Geneva Industries
Site City:	Houston
Site State:	TX
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$240,000	
Expected duration	yrs	2.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$446,259***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	13	2.5%	10 or more wells
Pumping rate	gpm	5.0	-5.0%	<10 gpm
Down time per year	wks	52	5.0%	4 wks or more
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	26	0.0%	25.00 to 49.99
Expected system duration	yrs	2.0	-15.0%	2.00 - 4.99yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	8.0%	
	Estimated potential savings (%) ->		**8.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$446,259**	
Estimated potential savings (%):	-	**8.0%**	
Subtotal		**$35,701**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$10,701	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

6

RPM First Name:	Carlos	**Date of implementation:**	January 1, 2002
RPM Last Name:	Sanchez		
RPM phone:	214-665-8507		
RPM fax:	214-665-6660		
RPM email:	sanchez.carlos@epa.gov		

Name of Site:	Midland Products
Site City:	Ola
Site State:	AR
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$180,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,767,041***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	8	0.0%	5 to 9 wells
Pumping rate	gpm	3.0	-5.0%	<10 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	20.0%	
	Estimated potential savings (%) ->		**20.0%**	(must be between 5% and 40%)

Summary

Baseline present value:	**$2,767,041**	
Estimated potential savings (%):	- **20.0%**	
Subtotal	**$553,408**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$528,408	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

7

RPM First Name:	Camille	**Date of implementation:**	January 1, 2002
RPM Last Name:	Hueni		
RPM phone:	214-665-2231		
RPM fax:	214-665-6660		
RPM email:	hueni.camille@epa.gov		

Name of Site:	North Cavalcade Superfund Site
Site City:	Houston
Site State:	TX
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	8.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	19	2.5%	10 or more wells
Pumping rate	gpm	19.0	-2.5%	10 to 99.99 gpm
Down time per year	wks	52	5.0%	4 wks or more
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	8.9	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	27.5%	
	Estimated potential savings (%) ->		**27.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$0**	
Estimated potential savings (%):	-	**27.5%**	
Subtotal		**$0**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

8

RPM First Name:	Ernest	**Date of implementation:**	January 1, 2002
RPM Last Name:	Franke		
RPM phone:	214-665-8521		
RPM fax:	214-665-6660		
RPM email:	franke,ernest@epamail.epa.gov		

Name of Site:	Odessa Chromium #1
Site City:	Odessa
Site State:	TX
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	0.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	60.0	-2.5%	10 to 99.99 gpm
Down time per year	wks	15	5.0%	4 wks or more
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	14	-2.5%	<25
Expected system duration	yrs	0.0	-20.0%	<2 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	0.0%	
		Estimated potential savings (%) ->	**5.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$0**	
Estimated potential savings (%):	-	**5.0%**	
Subtotal		**$0**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

9

RPM First Name:	Vincent	**Date of implementation:**	January 1, 2002
RPM Last Name:	Malott		
RPM phone:	214-665-8313		
RPM fax:	214-665-6660		
RPM email:	malott.vincent@epa.gov		

Name of Site:	Sprague Road Ground Water Plume
Site City:	Odessa
Site State:	TX
Site Region:	6

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,200,000	
Expected duration	yrs	26.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$17,472,059***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	22	2.5%	10 or more wells
Pumping rate	gpm	200.0	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	200	5.0%	75 or more
Expected system duration	yrs	26.7	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
	Estimated potential savings (%) ->		**32.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$17,472,059**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$5,678,419**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$5,653,419	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 7 SCREENING CALCULATIONS

1

RPM First Name:	Bob	**Date of implementation:**	January 1, 2002
RPM Last Name:	Stewart		
RPM phone:	913-551-7654		
RPM fax:	913-551-9654		
RPM email:	stewart.robert@epa.gov		

Name of Site:	Ace Services
Site City:	Colby
Site State:	KS
Site Region:	7

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	13.7	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$4,868,337***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	12	2.5%	10 or more wells
Pumping rate	gpm	800	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	124	5.0%	75 or more
Expected system duration	yrs	13.7	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	32.5%	
	Estimated potential savings (%) ->		**32.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$4,868,337**	
Estimated potential savings (%):	-	**32.5%**	
Subtotal		**$1,582,210**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,557,210	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Mary	**Date of implementation:**	January 1, 2002
RPM Last Name:	Peterson		
RPM phone:	913-551-7882		
RPM fax:	913-551-7063		
RPM email:	peterson.mary@epa.gov		

Name of Site:	Cleburn Street Well Site/OU2
Site City:	Grand Island
Site State:	NE
Site Region:	7

Cost Item	Units	Value	
Annual O&M cost	$/yr	$100,000	
Expected duration	yrs	17.9	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,165,954***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	3	-2.5%	3 to 4 wells
Pumping rate	gpm	90	-2.5%	10 to 99.99 gpm
Down time per year	wks	1	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	32	0.0%	25.00 to 49.99
Expected system duration	yrs	17.9	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	17.5%	
	Estimated potential savings (%) ->		**17.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$1,165,954**	
Estimated potential savings (%):	-	**17.5%**	
Subtotal		**$204,042**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$179,042	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Steve	**Date of implementation:**	January 1, 2002
RPM Last Name:	Auchterlonie		
RPM phone:	913-551-7778		
RPM fax:	913-551-7437		
RPM email:	auchterlonie.steve@epa.gov		

Name of Site:	Valley Park TCE Site - OU2
Site City:	Valley Park
Site State:	MO
Site Region:	7

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	14.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	0	-2.5%	<25
Expected system duration	yrs	14.0	-2.5%	10.00 - 19.99 yrs
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	15.0%	
	Estimated potential savings (%) ->		**15.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$0**	
Estimated potential savings (%):	-	**15.0%**	
Subtotal		**$0**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 9 SCREENING CALCULATIONS

1

RPM First Name:	David	**Date of implementation:**	January 1, 2002
RPM Last Name:	Seter		
RPM phone:	415-744-2212		
RPM fax:	111-111-1111		
RPM email:	seter.david@epa.gov		

Name of Site:	Modesto Superfund Site
Site City:	Modesto
Site State:	CA
Site Region:	9

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	20.3	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$3,776,134***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	1	-5.0%	1 to 2 wells
Pumping rate	gpm	50	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	2	0.0%	2 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	20.3	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	20.0%	
	Estimated potential savings (%) ->		**20.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$3,776,134**	
Estimated potential savings (%):	-	**20.0%**	
Subtotal		**$755,227**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$730,227	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Kim	**Date of implementation:**	January 1, 2002
RPM Last Name:	Hoang		
RPM phone:	415-744-2370		
RPM fax:	999-999-9999		
RPM email:	hoang.kim@epa.gov		

Name of Site:	Muscoy
Site City:	San Bernadino
Site State:	CA
Site Region:	9

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,100,000	
Expected duration	yrs	22.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$14,754,617***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	9000	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	60	2.5%	50.00 to 74.99
Expected system duration	yrs	22.8	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	27.0%	
	Estimated potential savings (%) ->		**27.0%**	(must be between 5% and 40%)

Summary

Baseline present value:	**$14,754,617**	
Estimated potential savings (%):	- **27.0%**	
Subtotal	**$3,983,747**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$3,958,747	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Kim	**Date of implementation:**	January 1, 2002
RPM Last Name:	Hoang		
RPM phone:	415-744-2370		
RPM fax:	999-999-9999		
RPM email:	hoang.kim@epa.gov		

Name of Site:	Newmark
Site City:	San Bernadino
Site State:	CA
Site Region:	9

Cost Item	Units	Value	
Annual O&M cost	$/yr	$900,000	
Expected duration	yrs	26.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$13,123,638***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	8	0.0%	5 to 9 wells
Pumping rate	gpm	12000	2.5%	>500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	30	0.0%	25.00 to 49.99
Expected system duration	yrs	26.8	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
	Estimated potential savings (%) ->		**25.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$13,123,638**	
Estimated potential savings (%):	-	**25.5%**	
Subtotal		**$3,346,528**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$3,321,528	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Michelle	**Date of implementation:**	January 1, 2002
RPM Last Name:	Lau		
RPM phone:	415-744-2227		
RPM fax:	415-744-2180		
RPM email:	lau.michelle@epa.gov		

Name of Site:	Selma Treating Co.
Site City:	Selma
Site State:	CA
Site Region:	9

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	6.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$1,684,303***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	150	0.0%	100 to 500 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	80	5.0%	75 or more
Expected system duration	yrs	6.8	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	C	2.0%	little difficulty for minor changes, severe for major changes
		Summation (%) ->	17.0%	
	Estimated potential savings (%) ->		**17.0%**	(must be between 5% and 40%)

Summary

Baseline present value:	**$1,684,303**	
Estimated potential savings (%):	- **17.0%**	
Subtotal	**$286,332**	
Estimated RSE cost (Tier 3):	- **$25,000**	
	$261,332	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

REGION 10 SCREENING CALCULATIONS

1

RPM First Name:	Debra	**Date of implementation:**	January 1, 2002
RPM Last Name:	Yamamoto		
RPM phone:	206-553-7216		
RPM fax:	206-553-0124		
RPM email:	yamamoto.debbie@epa.gov		

Name of Site:	Boomsnub/Airco / Site-Wide Ground Water OU
Site City:	Hazel Dell
Site State:	WA
Site Region:	10

Cost Item	Units	Value	
Annual O&M cost	$/yr	$1,000,000	
Expected duration	yrs	28.8	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$15,085,551***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	22	2.5%	10 or more wells
Pumping rate	gpm	135	0.0%	100 to 500 gpm
Down time per year	wks	3	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	160	5.0%	75 or more
Expected system duration	yrs	28.8	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	E	-2.5%	moderate difficulty for minor changes, severe for major changes
		Summation (%) ->	27.5%	
	Estimated potential savings (%) ->		**27.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$15,085,551**	
Estimated potential savings (%):	-	**27.5%**	
Subtotal		**$4,148,527**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$4,123,527	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

2

RPM First Name:	Carmella	**Date of implementation:**	January 1, 2002
RPM Last Name:	Grandinetti		
RPM phone:	206-553-8696		
RPM fax:	206-553-0124		
RPM email:	grandinetti.cami@epa.gov		

Name of Site:	Bunker Hill Superfund Site
Site City:	Kellogg
Site State:	ID
Site Region:	10

Cost Item	Units	Value	
Annual O&M cost	$/yr	$0	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$0***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	A	2.5%	Performance not evaluated
Number of pumping wells	#	0	0.0%	no wells (e.g., drains, etc.)
Pumping rate	gpm	0	-5.0%	<10 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	232	5.0%	75 or more
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	25.0%	
	Estimated potential savings (%) ->		**25.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$0**	
Estimated potential savings (%):	-	**25.0%**	
Subtotal		**$0**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		-$25,000	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

3

RPM First Name:	Kevin	**Date of implementation:**	January 1, 2002
RPM Last Name:	Rochlin		
RPM phone:	206-553-2106		
RPM fax:	206-553-0124		
RPM email:	rochlin.kevin@epa.gov		

Name of Site:	Commencement Bay, South Tacoma Channel, Well 12A
Site City:	Tacoma
Site State:	WA
Site Region:	10

Cost Item	Units	Value	
Annual O&M cost	$/yr	$300,000	
Expected duration	yrs	9.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$2,133,380***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	5	0.0%	5 to 9 wells
Pumping rate	gpm	150	0.0%	100 to 500 gpm
Down time per year	wks	3	2.5%	2.00 - 3.99 wks
# of above-ground water treatment processes	#	1	-2.5%	0 or 1 processes
GW monitoring (number wells * events-per-yr)	#	40	0.0%	25.00 to 49.99
Expected system duration	yrs	9.0	-5.0%	5.00 - 9.99 yrs
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	23.0%	
	Estimated potential savings (%) ->		**23.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$2,133,380**	
Estimated potential savings (%):	-	**23.0%**	
Subtotal		**$490,677**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$465,677	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

4

RPM First Name:	Alan	**Date of implementation:**	January 1, 2002
RPM Last Name:	Goodman		
RPM phone:	503-326-3685		
RPM fax:	503-326-3399		
RPM email:	goodman.al@epa.gov		

Name of Site:	McCormick & Baxter Creosoting Co.
Site City:	Portland
Site State:	OR
Site Region:	10

Cost Item	Units	Value	
Annual O&M cost	$/yr	$250,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$3,843,113***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	C	-2.5%	Performance evaluated and found sufficient
Number of pumping wells	#	6	0.0%	5 to 9 wells
Pumping rate	gpm	3	-5.0%	<10 gpm
Down time per year	wks	5	5.0%	4 wks or more
# of above-ground water treatment processes	#	4	5.0%	4 or more processes
GW monitoring (number wells * events-per-yr)	#	50	2.5%	50.00 to 74.99
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	A	5.0%	little difficulty for minor changes or major changes
		Summation (%) ->	30.0%	
	Estimated potential savings (%) ->		**30.0%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$3,843,113**	
Estimated potential savings (%):	-	**30.0%**	
Subtotal		**$1,152,934**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,127,934	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***

5

RPM First Name:	Hanh	**Date of implementation:**	January 1, 2002
RPM Last Name:	Gold		
RPM phone:	206-553-0171		
RPM fax:	206-553-0124		
RPM email:	gold.hanh@epa.gov		

Name of Site:	Wyckoff/Eagle Harbor Superfund Site
Site City:	Bainbridge Island
Site State:	WA
Site Region:	10

Cost Item	Units	Value	
Annual O&M cost	$/yr	$500,000	
Expected duration	yrs	30.0	<-max of 30 yrs
Discount rate	%	5.00%	
Baseline present value ->	$	***$7,686,226***	

Optimization Factor	Units	Answer	Potential Savings (%)	Range in Lookup Table
Potential savings (initial estimate)	%		20.0%	
Performance evaluation?	A-C	B	5.0%	Performance evaluated and found insufficient
Number of pumping wells	#	8	0.0%	5 to 9 wells
Pumping rate	gpm	80	-2.5%	10 to 99.99 gpm
Down time per year	wks	0	0.0%	<2 wks
# of above-ground water treatment processes	#	3	2.5%	3 processes
GW monitoring (number wells * events-per-yr)	#	20	-2.5%	<25
Expected system duration	yrs	30.0	0.0%	20 yrs or more
Political/Social factors (minor changes)	A-F	B	3.0%	little difficulty for minor changes, moderate for major changes
		Summation (%) ->	25.5%	
	Estimated potential savings (%) ->		**25.5%**	(must be between 5% and 40%)

Summary

Baseline present value:		**$7,686,226**	
Estimated potential savings (%):	-	**25.5%**	
Subtotal		**$1,959,988**	
Estimated RSE cost (Tier 3):	-	**$25,000**	
		$1,934,988	***<------ Estimated potential savings ($)***

*****Note:Estimated potential savings do not include costs associated with implementing actual system modifications***