

DOCKET REPORT

**SUPPORTING DOCUMENTS FOR THE REGULATORY ANALYSIS
OF THE PART 264 LAND DISPOSAL REGULATIONS**

Volume III

August 24, 1982

**U.S. Environmental Protection Agency
401 M Street, S.W.
Washington, D.C. 20460**

DOCKET REPORT
SUPPORTING DOCUMENTS FOR THE REGULATORY ANALYSIS
OF THE PART 264 LAND DISPOSAL REGULATIONS

TABLE OF CONTENTS

Volume I

- Chapter I -- Introduction**
- Chapter II -- Profile of Land Disposal Units and Facilities Costed in the Analysis**
- Chapter III -- Assumptions/Costs Included in the Baseline**
- Chapter IV -- Summary of Part 264 Regulatory Requirements**
- Chapter V -- Ground-Water Protection and Corrective Action Costs**
- Chapter VI -- Assumptions and Methodology Used to Calculate Annual Revenue Requirements**
- Chapter VII -- Results of Cost Analysis**
- Chapter VIII -- Impacts of the Regulations on Selected Industries**

Volume II

- Appendix A -- Regulatory Analysis (Section IX. of the Preamble to the Part 264 Regulations)**
- Appendix B -- Unit Costs Used to Develop Baselines**
- Appendix C -- Part 264 Engineering Costs for Landfills, Surface Impoundments, Waste Piles, and Land Treatment areas**
- Appendix D -- Cost Estimates for Containment of Contaminated Ground-Water Plumes**

Volume III

- Appendix E -- Printouts of Annual Revenue Requirements and First Year Cash Requirements for Landfills, Surface Impoundments, Waste Piles, and Land Treatment areas by Size.**

A P P E N D I X E

APPENDIX E

ANNUAL REVENUE REQUIREMENTS AND FIRST YEAR CASH REQUIREMENTS

This appendix contains printouts of the annual revenue requirements and first year cash requirements estimated for landfills, surface impoundments, land treatment areas, and waste piles. Total annual revenue and first year cash requirements for all size categories for each land disposal process are broken down in the printouts into the following cost components:

- o Basic compliance cost: an estimate of the basic D&O costs for the ISS baseline and the incremental Part 264 requirements.
- o Counterpumping using Strategy 1: an estimate of the incremental costs of corrective action under Strategy 1 conditions. Strategy 1 assumes simple ground-water flow conditions. Estimates are provided for:
 - corrective action starting in year 0 and continuing for 20 years.
 - corrective action starting in year 49 and continuing for 20 years.
 - corrective action starting in year 0 and continuing for 150 years (approximately equivalent to counterpumping indefinitely).
- o Counterpumping using Strategy 2: an estimate of the incremental costs of corrective action under Strategy 2 conditions. Strategy 2 assumes complex ground-water flow conditions. Estimates are provided for:
 - corrective action starting in year 0 and continuing for 20 years.
 - corrective action starting in year 49 and continuing for 20 years.
 - corrective action starting in year 0 and continuing for 150 years. (approximately equivalent to counterpumping indefinitely).
- o Post Closure Costs: an estimate of the incremental costs of post closure requirements under ISS. It is listed separately to show how big these costs are in relation to ISS D&O. Incremental Part 264 post closure costs occur only in those cases where an existing surface impoundment is closed to construct a new one in compliance with Part 264. There are no incremental Part 264 post closure costs for landfills, land treatment areas, waste piles, or for other surface impoundment compliance scenarios.
- o Financial Assurance Costs for Closure: an estimate of what it costs firms to guarantee that they will have sufficient funds available to close their facilities according to the requirements specified in the regulations. The mix of financial instruments used to estimate these costs was: 50% financial test, 14% letter of credit, 18% trust fund, and 18% insurance. These costs are listed separately in the printouts to show how big they are in relation to ISS and incremental Part 264 D&O costs.

- o Financial Assurance Costs for Post Closure: an estimate of what it costs firms to guarantee that they will have sufficient funds available to cover all capital and annual O&M costs expected to be incurred during the 30 year post closure period. Post closure cost components are listed in Appendix B and summarized in Chapter III. The mix of financial instruments used to estimate total post closure financial assurance costs was: 50% financial test, 14% letter of credit, 18% trust fund, and 18% insurance. These costs are listed separately in the printouts to show how big they are in relation to ISS and incremental Part 264 D&O costs.
- o Total Costs: total of all cost components, assuming either Strategy 1 or Strategy 2 counterpumping.

The remainder of this appendix consists of the printouts of cost estimates for each type of process. The printouts are organized as follows:

Landfill Printouts

I. Annual Revenue Requirements

- A. Single synthetic liner for Part 264 D&O for all landfills.
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category
- B. Double liner (synthetic/clay) for Part 264 D&O for all landfills.
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category
- C. Double synthetic liner for Part 264 D&O for all landfills (exempt from ground-water monitoring).
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category

II. First Year Cash Requirements

- A. Single synthetic liner for Part 264 D&O for all landfills.
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category
- B. Double liner (synthetic/clay) for Part 264 D&O for all landfills.
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category
- C. Double synthetic liner for Part 264 D&O for all landfills (exempt from ground-water monitoring).
 - 1. offsite landfills by size category
 - 2. onsite landfills by size category

Surface Impoundment Printouts

I. Annual Revenue Requirements

- A. Single synthetic liner for Part 264 D&O for all surface impoundment sizes.
- B. Double liner (synthetic/clay) for Part 264 D&O for all surface impoundment sizes.
- C. Double synthetic liner for Part 264 D&O for all surface impoundment sizes (exempt from ground-water monitoring).

II. First Year Cash Requirements

- A. Single synthetic liner for Part 264 D&O for all surface impoundment sizes.
- B. Double liner (synthetic/clay) for Part 264 D&O for all surface impoundment sizes.
- C. Double synthetic liner for Part 264 D&O for all surface impoundment sizes (exempt from ground-water monitoring).

Land Treatment Printouts

I. Annual Revenue Requirements for all area sizes.

II. First Year Cash Requirements for all area sizes.

Waste File Printouts

I. Annual Revenue Requirements

- A. Sturdy Impermeable Base + Annual Inspection for Part 264 D&O for all waste pile sizes (exempt from ground-water monitoring).
- B. Sturdy Impermeable Base + Ground-Water Monitoring for Part 264 D&O for all waste pile impoundment sizes.
- C. Double liner/Leachate Collection System for Part 264 D&O for all waste pile sizes (exempt from groundwater monitoring).

II. First Year Cash Requirements

- A. Sturdy Impermeable Base + Annual Inspection for Part 264 D&O for all waste pile sizes (exempt from ground-water monitoring).
- B. Sturdy Impermeable Base + Ground-Water Monitoring for Part 264 D&O for all waste pile impoundment sizes.
- C. Double liner/Leachate Collection System for Part 264 D&O for all waste pile sizes (exempt from groundwater monitoring).

L A N D F I L L P R I N T O U T S

I. Annual Revenue Requirements

A. Single Synthetic Liner for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	159	32	32	32	32
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	75	19	160
Strategy 2	0	0	105	26	220
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	175	32	107	51	
<u>Total Cost (Strategy 2)</u>	175	32	137	58	252

Facility Type: Offsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	195	50	50	50	50
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	81	20	171
Strategy 2	0	0	119	29	247
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	213	50	131	70	221
<u>Total Cost (Strategy 2)</u>	213	50	169	79	297

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	248	81	81	81	81
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	92	23	194
Strategy 2	0	0	138	33	289
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	268	81	173	104	275
<u>Total Cost (Strategy 2)</u>	268	81	219	114	370

Facility Type: Offsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	281	100	100	100	100
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	95	23	200
Strategy 2	0	0	142	34	297
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	303	100	195	123	300
<u>Total Cost (Strategy 2)</u>	303	100	242	134	397

Facility Type: Offsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	396	151	151	151	151
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	103	26	216
Strategy 2	0	0	158	38	330
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	423	151	254	177	367
<u>Total Cost (Strategy 2)</u>	423	151	309	189	481

Facility Type: Offsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	732	279	279	279	279
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	114	28	238
Strategy 2	0	0	184	44	383
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	771	279	393	307	517
<u>Total Cost (Strategy 2)</u>	771	279	463	323	662

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	1069	382	382	382	382
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	123	30	254
Strategy 2	0	0	200	48	413
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1119	382	505	412	636
<u>Total Cost (Strategy 2)</u>	1119	382	582	430	795

Facility Type: Offsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1815	565	565	565	565
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	133	32	274
Strategy 2	0	0	216	52	444
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1883	565	698	597	839
<u>Total Cost (Strategy 2)</u>	1883	565	781	617	1009

Facility Type: Onsite Landfill
Size: 500 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	168	31	31	31	31
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	65	17	138
Strategy 2	0	0	95	24	198
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	184	31	96	48	169
<u>Total Cost (Strategy 2)</u>	184	31	126	55	229

Facility Type: Onsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	211	49	49	49	49
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	71	18	149
Strategy 2	0	0	109	27	225
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	229	49	120	67	198
<u>Total Cost (Strategy 2)</u>	229	49	158	76	274

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	278	79	79	79	79
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	82	21	172
Strategy 2	0	0	128	31	267
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	298	79	161	100	251
<u>Total Cost (Strategy 2)</u>	298	79	207	110	346

Facility Type: Onsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	320	98	98	98	98
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	85	21	178
Strategy 2	0	0	132	32	275
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	98	183	119	276
<u>Total Cost (Strategy 2)</u>	342	98	230	130	373

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	460	149	149	149	149
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	93	24	194
Strategy 2	0	0	148	36	308
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	487	149	242	173	343
<u>Total Cost (Strategy 2)</u>	487	149	297	185	457

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	859	277	277	277	277
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	104	26	216
Strategy 2	0	0	174	42	361
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	898	277	381	303	493
<u>Total Cost (Strategy 2)</u>	898	277	451	319	638

Facility Type: Onsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1247	379	379	379	379
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	113	28	232
Strategy 2	0	0	190	46	391
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1297	379	492	407	611
<u>Total Cost (Strategy 2)</u>	1297	379	569	425	770

Facility Type: Onsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	2081	566	566	566	566
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	123	30	252
Strategy 2	0	0	206	50	422
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	2149	566	689	596	818
<u>Total Cost (Strategy 2)</u>	2149	566	772	616	988

L A N D F I L L P R I N T O U T S

I. Annual Revenue Requirements

B. Double Liner (Synthetic/Clay) for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	159	44	44	44	44
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	75	19	160
Strategy 2	0	0	105	26	220
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	175	44	119	63	204
<u>Total Cost (Strategy 2)</u>	175	44	149	70	264

Facility Type: Offsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	195	74	74	74	74
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	81	20	171
Strategy 2	0	0	119	29	247
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	213	74	155	94	245
<u>Total Cost (Strategy 2)</u>	213	74	193	103	321

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	248	124	124	124	124
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	92	23	194
Strategy 2	0	0	138	33	289
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	268	124	216	147	318
<u>Total Cost (Strategy 2)</u>	268	124	262	157	413

Facility Type: Offsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	281	155	155	155	155
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	95	23	200
Strategy 2	0	0	142	34	297
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	303	155	250	178	355
<u>Total Cost (Strategy 2)</u>	303	155	297	189	452

Facility Type: Offsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	396	239	239	239	239
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	103	26	216
Strategy 2	0	0	158	38	330
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	423	239	342	265	455
<u>Total Cost (Strategy 2)</u>	423	239	397	277	569

Facility Type: Offsite Landfill
 Size: 35,000 Metric Tons/Year
 Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	732	451	451	451	451
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	114	28	238
Strategy 2	0	0	184	44	383
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	771	451	565	479	689
<u>Total Cost (Strategy 2)</u>	771	451	635	495	834

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			Continues for 20 Yrs	Continues for 20 Yrs	Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1069	624	624	624	624
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	123	30	254
Strategy 2	0	0	200	48	413
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1119	624	747	654	878
<u>Total Cost (Strategy 2)</u>	1119	624	824	672	1037

Facility Type: Offsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1815	933	933	933	933
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	133	32	274
Strategy 2	0	0	216	52	444
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1883	933	1066	965	1207
<u>Total Cost (Strategy 2)</u>	1883	933	1149	985	1377

Facility Type: Onsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	168	52	52	52	52
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	65	17	138
Strategy 2	0	0	95	24	198
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	184	52	117	69	190
<u>Total Cost (Strategy 2)</u>	184	52	147	76	250

Facility Type: Onsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	211	94	94	94	94
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	71	18	149
Strategy 2	0	0	109	27	225
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	229	94	165	112	243
<u>Total Cost (Strategy 2)</u>	229	94	203	121	319

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	278	164	164	164	164
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	82	21	172
Strategy 2	0	0	128	31	267
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	298	164	246	185	336
<u>Total Cost (Strategy 2)</u>	298	164	292	195	431

Facility Type: Onsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	320	207	207	207	207
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	85	21	178
Strategy 2	0	0	132	32	275
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	207	292	228	385
<u>Total Cost (Strategy 2)</u>	342	207	339	239	482

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	460	323	323	323	323
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	93	24	194
Strategy 2	0	0	148	36	308
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	487	323	416	347	517
<u>Total Cost (Strategy 2)</u>	487	323	471	359	631

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	ISS Baseline	No Corrective Action Necessary	Incremental Costs of Complying with Part 264 Regulations		
			Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	859	622	622	622	622
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	104	26	216
Strategy 2	0	0	174	42	361
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	898	622	726	648	838
<u>Total Cost (Strategy 2)</u>	898	622	796	664	983

Facility Type: Onsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1247	862	862	862	862
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	113	28	232
Strategy 2	0	0	190	46	391
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1297	862	975	890	1094
<u>Total Cost (Strategy 2)</u>	1297	862	1152	908	1253

Facility Type: Onsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	2081	1306	1306	1306	1306
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	123	30	252
Strategy 2	0	0	206	50	422
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	2149	1306	1429	1336	1558
<u>Total Cost (Strategy 2)</u>	2149	1306	1512	1356	1728

L A N D F I L L P R I N T O U T S

I. Annual Revenue Requirements

C. Double Synthetic Liner for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	159	45	45	45	45
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	80	19	167
Strategy 2	0	0	110	26	227
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	175	45	125	64	212
<u>Total Cost (Strategy 2)</u>	175	45	155	71	272

Facility Type: Offsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	195	83	83	83	83
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	86	20	178
Strategy 2	0	0	124	29	254
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	213	83	169	103	261
<u>Total Cost (Strategy 2)</u>	213	83	207	112	337

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	248	146	146	146	146
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	97	23	201
Strategy 2	0	0	143	33	296
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	268	146	243	169	347
<u>Total Cost (Strategy 2)</u>	268	146	289	179	442

Facility Type: Offsite Landfill
 Size: 7,000 Metric Tons/Year
 Liner System: Double Synthetic

I. Annual Revenue Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	281	186	186	186	186
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	100	23	207
Strategy 2	0	0	147	34	304
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	303	186	286	209	393
<u>Total Cost (Strategy 2)</u>	303	186	333	220	490

Facility Type: Offsite Landfill
 Size: 15,000 Metric Tons/Year
 Liner System: Double Synthetic

I. Annual Revenue Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	396	292	292	292	292
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	108	26	223
Strategy 2	0	0	163	38	337
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	423	292	400	318	515
<u>Total Cost (Strategy 2)</u>	423	292	455	331	629

Facility Type: Offsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	732	563	563	563	563
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	119	28	245
Strategy 2	0	0	189	44	390
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	771	563	682	591	808
<u>Total Cost (Strategy 2)</u>	771	563	752	607	953

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1069	782	782	782	782
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	128	30	261
Strategy 2	0	0	205	48	420
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1119	782	910	812	1043
<u>Total Cost (Strategy 2)</u>	1119	782	988	830	1202

Facility Type: Offsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1815	1179	1179	1179	1179
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	138	32	281
Strategy 2	0	0	221	52	451
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1883	1179	1317	1211	1460
<u>Total Cost (Strategy 2)</u>	1883	1179	1400	1231	1630

Facility Type: Onsite Landfill
 Size: 500 Metric Tons/Year
 Liner System: Double Synthetic

I. Annual Revenue Requirements
 (\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	168	43	43	43	43
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	70	17	147
Strategy 2	0	0	100	24	207
<u>Post Closure Cost</u>	7	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	9	0	0	0	0
<u>Total Cost (Strategy 1)</u>	184	43	113	60	190
<u>Total Cost (Strategy 2)</u>	184	43	143	67	250

Facility Type: Onsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	211	82	82	82	82
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	76	18	158
Strategy 2	0	0	114	27	234
<u>Post Closure Cost</u>	8	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	229	82	158	100	240
<u>Total Cost (Strategy 2)</u>	229	82	196	109	316

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	278	145	145	145	145
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	87	21	181
Strategy 2	0	0	133	31	276
<u>Post Closure Cost</u>	9	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	11	0	0	0	0
<u>Total Cost (Strategy 1)</u>	298	145	232	166	326
<u>Total Cost (Strategy 2)</u>	298	145	278	176	421

Facility Type: Onsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	320	184	184	184	184
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	90	21	187
Strategy 2	0	0	137	32	284
<u>Post Closure Cost</u>	10	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	184	274	205	371
<u>Total Cost (Strategy 2)</u>	342	184	321	216	468

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	460	290	290	290	290
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	98	24	203
Strategy 2	0	0	153	36	317
<u>Post Closure Cost</u>	12	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	15	0	0	0	0
<u>Total Cost (Strategy 1)</u>	487	290	388	314	493
<u>Total Cost (Strategy 2)</u>	487	290	443	326	607

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	859	561	561	561	561
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	110	26	225
Strategy 2	0	0	179	42	370
<u>Post Closure Cost</u>	18	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	21	0	0	0	0
<u>Total Cost (Strategy 1)</u>	898	561	671	587	786
<u>Total Cost (Strategy 2)</u>	898	561	740	603	931

Facility Type: Onsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1247	779	779	779	779
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	118	28	241
Strategy 2	0	0	195	46	400
<u>Post Closure Cost</u>	23	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	27	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1297	779	897	807	1020
<u>Total Cost (Strategy 2)</u>	1297	779	974	825	1179

Facility Type: Onsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	2081	1180	1180	1180	1180
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	128	30	261
Strategy 2	0	0	211	50	431
<u>Post Closure Cost</u>	31	0	0	0	0
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	37	0	0	0	0
<u>Total Cost (Strategy 1)</u>	2149	1180	1308	1210	1441
<u>Total Cost (Strategy 2)</u>	2149	1180	1391	1230	1611

L A N D F I L L P R I N T O U T S

II. First Year Cash Requirements

A. Single Synthetic Liner for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 <u>Continues for 20 Yrs</u>	Starts In Yr 49 <u>Continues for 20 Yrs</u>	Starts In Yr 0 <u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	206	31	31	31	31
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	211	31	216	31	216
<u>Total Cost (Strategy 2)</u>	211	31	326	31	326

Facility Type: Offsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	250	48	48	48	48
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	256	48	253	48	253
<u>Total Cost (Strategy 2)</u>	256	48	413	48	413

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	303	76	76	76	76
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	310	76	331	76	331
<u>Total Cost (Strategy 2)</u>	310	76	481	76	481

Facility Type: Offsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	334	92	92	92	92
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	92	357	92	357
<u>Total Cost (Strategy 2)</u>	342	92	507	92	507

Facility Type: Offsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	425	138	138	138	138
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	435	138	453	138	453
<u>Total Cost (Strategy 2)</u>	435	138	603	138	603

Facility Type: Offsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	613	253	253	253	253
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	627	253	628	253	628
<u>Total Cost (Strategy 2)</u>	627	253	838	253	838

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	885	346	346	346	346
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	903	346	771	346	771
<u>Total Cost (Strategy 2)</u>	903	346	1031	346	1031

Facility Type: Offsite Landfill
 Size: 123,000 Metric Tons/Year
 Liner System: Single Synthetic

II. First Year Cash Requirements
 (\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 <u>Continues for 20 Yrs</u>	Starts In Yr 49 <u>Continues for 20 Yrs</u>	Starts In Yr 0 <u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	1499	514	514	514	514
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1524	514	989	514	989
<u>Total Cost (Strategy 2)</u>	1524	514	1309	514	1309

Facility Type: Onsite Landfill
Size: 500 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	202	31	31	31	31
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	207	31	216	31	216
<u>Total Cost (Strategy 2)</u>	207	31	326	31	326

Facility Type: Onsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	246	48	48	48	48
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	252	48	253	48	253
<u>Total Cost (Strategy 2)</u>	252	48	413	48	413

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	299	76	76	76	76
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	306	76	331	76	331
<u>Total Cost (Strategy 2)</u>	306	76	481	76	481

Facility Type: Onsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	331	93	93	93	93
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	339	93	358	93	358
<u>Total Cost (Strategy 2)</u>	339	93	508	93	508

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	421	139	139	139	139
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	431	139	454	139	454
<u>Total Cost (Strategy 2)</u>	431	139	604	139	604

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	608	254	254	254	254
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	622	254	629	254	629
<u>Total Cost (Strategy 2)</u>	622	254	839	254	839

Facility Type: Onsite Landfill
 Size: 60,000 Metric Tons/Year
 Liner System: Single Synthetic

II. First Year Cash Requirements
 (\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	882	346	346	346	346
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	900	346	771	346	771
<u>Total Cost (Strategy 2)</u>	900	346	1031	346	1031

Facility Type: Onsite Landfill
 Size: 123,000 Metric Tons/Year
 Liner System: Single Synthetic

II. First Year Cash Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1495	514	514	514	514
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1520	514	989	514	989
<u>Total Cost (Strategy 2)</u>	1520	514	1309	514	1309

L A N D F I L L P R I N T O U T S

II. First Year Cash Requirements

B. Double Liner (Synthetic/Clay) for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	206	41	41	41	41
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	211	41	226	41	226
<u>Total Cost (Strategy 2)</u>	211	41	336	41	336

Facility Type: Offsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	250	69	69	69	69
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	256	69	274	69	274
<u>Total Cost (Strategy 2)</u>	256	69	434	69	434

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			Continues for 20 Yrs	Continues for 20 Yrs	Continues for 150 Yrs
<u>Basic Compliance Cost</u>	303	116	116	116	116
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	310	116	371	116	371
<u>Total Cost (Strategy 2)</u>	310	116	521	116	521

Facility Type: Offsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	334	143	143	143	143
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	143	408	143	408
<u>Total Cost (Strategy 2)</u>	342	143	558	143	558

Facility Type: Offsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	425	220	220	220	220
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	435	220	535	220	535
<u>Total Cost (Strategy 2)</u>	435	220	685	220	685

Facility Type: Offsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	613	417	417	417	417
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	627	417	792	417	792
<u>Total Cost (Strategy 2)</u>	627	417	1002	417	1002

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	885	575	575	575	575
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	903	575	1000	575	1000
<u>Total Cost (Strategy 2)</u>	903	575	1260	575	1260

Facility Type: Offsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1499	865	865	865	865
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1524	865	1340	865	1340
<u>Total Cost (Strategy 2)</u>	1524	865	1660	865	1660

Facility Type: Onsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	202	50	50	50	50
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	207	50	235	50	235
<u>Total Cost (Strategy 2)</u>	207	50	345	50	345

Facility Type: Onsite Landfill
Size: 2,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	246	91	91	91	91
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	252	91	296	91	296
<u>Total Cost (Strategy 2)</u>	252	91	456	91	456

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	299	156	156	156	156
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	306	156	411	156	411
<u>Total Cost (Strategy 2)</u>	306	156	561	156	561

Facility Type: Onsite Landfill
 Size: 7,000 Metric Tons/Year
 Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
 (\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	331	196	196	196	196
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	339	196	461	196	461
<u>Total Cost (Strategy 2)</u>	339	196	611	196	611

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	421	305	305	305	305
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	431	305	620	305	620
<u>Total Cost (Strategy 2)</u>	431	305	770	305	770

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	608	584	584	584	584
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	622	584	959	584	959
<u>Total Cost (Strategy 2)</u>	622	584	1169	584	1169

Facility Type: Onsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	882	810	810	810	810
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	900	810	1235	810	1235
<u>Total Cost (Strategy 2)</u>	900	810	1495	810	1495

Facility Type: Onsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1495	1226	1226	1226	1226
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1520	1226	1701	1226	1701
<u>Total Cost (Strategy 2)</u>	1520	1226	2021	1226	2021

L A N D F I L L P R I N T O U T S

II. First Year Cash Requirements

C. Double Synthetic Liner for Part 264 D&O

- 1. Offsite Landfills**
- 2. Onsite Landfills**

Facility Type: Offsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	206	38	38	38	38
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	211	38	223	38	223
<u>Total Cost (Strategy 2)</u>	211	38	333	38	333

Facility Type: Offsite Landfill
 Size: 2,000 Metric Tons/Year
 Liner System: Double Synthetic

II. First Year Cash Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	250	75	75	75	75
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	256	75	280	75	280
<u>Total Cost (Strategy 2)</u>	256	75	440	75	440

Facility Type: Offsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	303	133	133	133	133
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	310	133	388	133	388
<u>Total Cost (Strategy 2)</u>	310	133	538	133	538

Facility Type: Offsite Landfill
 Size: 7,000 Metric Tons/Year
 Liner System: Double Synthetic

II. First Year Cash Requirements
 (\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	334	170	170	170	170
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	342	170	435	170	435
<u>Total Cost (Strategy 2)</u>	342	170	585	170	585

Facility Type: Offsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	425	269	269	269	269
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	435	269	584	269	584
<u>Total Cost (Strategy 2)</u>	435	269	734	269	734

Facility Type: Offsite Landfill
 Size: 35,000 Metric Tons/Year
 Liner System: Double Synthetic

II. First Year Cash Requirements
 (\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	613	522	522	522	522
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	627	522	897	522	897
<u>Total Cost (Strategy 2)</u>	627	522	1107	522	1107

Facility Type: Offsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	885	727	727	727	727
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	903	727	1152	727	1152
<u>Total Cost (Strategy 2)</u>	903	727	1412	727	1412

Facility Type: Offsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1499	1102	1102	1102	1102
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1524	1102	1577	1102	1577
<u>Total Cost (Strategy 2)</u>	1524	1102	1897	1102	1897

Facility Type: Onsite Landfill
Size: 500 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	202	37	37	37	37
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	185	0	185
Strategy 2	0	0	295	0	295
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	5	0	0	0	0
<u>Total Cost (Strategy 1)</u>	207	37	222	37	222
<u>Total Cost (Strategy 2)</u>	207	37	332	37	332

Facility Type: Onsite Landfill
 Size: 2,000 Metric Tons/Year
 Liner System: Double Synthetic

II. First Year Cash Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	246	74	74	74	74
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	205	0	205
Strategy 2	0	0	365	0	365
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	6	0	0	0	0
<u>Total Cost (Strategy 1)</u>	252	74	279	74	279
<u>Total Cost (Strategy 2)</u>	252	74	439	74	439

Facility Type: Onsite Landfill
Size: 5,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	299	134	134	134	134
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	255	0	255
Strategy 2	0	0	405	0	405
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	7	0	0	0	0
<u>Total Cost (Strategy 1)</u>	306	134	389	134	389
<u>Total Cost (Strategy 2)</u>	306	134	539	134	539

Facility Type: Onsite Landfill
Size: 7,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	ISS Baseline	No Corrective Action Necessary	Incremental Costs of Complying with Part 264 Regulations		
			Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	331	170	170	170	170
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	265	0	265
Strategy 2	0	0	415	0	415
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	8	0	0	0	0
<u>Total Cost (Strategy 1)</u>	339	170	435	170	435
<u>Total Cost (Strategy 2)</u>	339	170	585	170	585

Facility Type: Onsite Landfill
Size: 15,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	421	269	269	269	269
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	315	0	315
Strategy 2	0	0	465	0	465
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	10	0	0	0	0
<u>Total Cost (Strategy 1)</u>	431	269	584	269	584
<u>Total Cost (Strategy 2)</u>	431	269	734	269	734

Facility Type: Onsite Landfill
Size: 35,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	608	523	523	523	523
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	375	0	375
Strategy 2	0	0	585	0	585
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	14	0	0	0	0
<u>Total Cost (Strategy 1)</u>	622	523	898	523	898
<u>Total Cost (Strategy 2)</u>	622	523	1108	523	1108

Facility Type: Onsite Landfill
Size: 60,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	882	726	726	726	726
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	425	0	425
Strategy 2	0	0	685	0	685
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	18	0	0	0	0
<u>Total Cost (Strategy 1)</u>	900	726	1152	726	1152
<u>Total Cost (Strategy 2)</u>	900	726	1412	726	1412

Facility Type: Onsite Landfill
Size: 123,000 Metric Tons/Year
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	1495	1102	1102	1102	1102
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	475	0	475
Strategy 2	0	0	795	0	795
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	25	0	0	0	0
<u>Total Cost (Strategy 1)</u>	1520	1102	1577	1102	1577
<u>Total Cost (Strategy 2)</u>	1520	1102	1897	1102	1897

S U R F A C E I M P O U N D M E N T P R I N T O U T S

I. Annual Revenue Requirements

A. Single Synthetic Liner for Part 264 D&O

Facility Type: Surface Impoundment
Size: .25 Acre
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u> No <u>Corrective</u> <u>Action</u> <u>Necessary</u>	<u>Corrective Action Necessary</u>			<u>Facility</u> <u>Retrofit</u> <u>Existing</u> <u>Facility</u>	<u>Alteration</u> Close <u>Existing and</u> <u>Construct</u> <u>New Facility</u>
	<u>ISS</u> <u>Baseline</u>		<u>Starts in Yr 0</u> <u>Continues for</u> <u>20 Yrs</u>	<u>Starts In Yr 49</u> <u>Continues for</u> <u>20 Yrs</u>	<u>Starts In Yr 0</u> <u>Continues for</u> <u>150 Yrs</u>		
<u>Basic Compliance Cost</u>	32	3	3	3	3	9	8
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	58	15	122	0	0
Strategy 2	0	0	77	19	163	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	5	0	0	0	0	0	4
<u>Total Cost (Strategy 1)</u>	42	4	61	18	125	9	19
<u>Total Cost (Strategy 2)</u>	42	4	80	22	166	9	19

Facility Type: Surface Impoundment

Size: ,5 Acre

Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Construct
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	New Facility
<u>Basic Compliance Cost</u>	40	5	5	5	5	14	13
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	58	15	122	0	0
Strategy 2	0	0	77	19	163	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	50	6	64	21	128	15	26
<u>Total Cost (Strategy 2)</u>	50	6	83	25	169	15	26

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	<u>ISS Baseline</u>	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		<u>No Corrective Action Necessary</u>	<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>	<u>Retrofit Existing Facility</u>	<u>Close Existing and Construct New Facility</u>
<u>Basic Compliance Cost</u>	54	9	9	9	9	23	22
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	61	16	128	0	0
Strategy 2	0	0	86	22	180	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	3	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	66	10	71	26	138	25	35
<u>Total Cost (Strategy 2)</u>	66	10	96	132	190	25	35

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility</u>	<u>Alteration</u>
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
							New Facility
<u>Basic Compliance Cost</u>	78	14	14	14	14	46	44
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	65	17	138	0	0
Strategy 2	0	0	95	24	198	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	8
<u>Financial Assurance Costs</u>							
Closure	5	2	2	2	2	2	2
Post Closure	6	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	93	16	81	133	154	48	59
<u>Total Cost (Strategy 2)</u>	93	16	111	40	214	48	59

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Construct
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	New Facility
<u>Basic Compliance Cost</u>	200	43	43	43	43	87	86
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	71	18	149	0	0
Strategy 2	0	0	109	27	225	0	0
<u>Post Closure Cost</u>	5	0	0	0	0	0	9
<u>Financial Assurance Costs</u>							
Closure	14	5	5	5	5	5	5
Post Closure	6	0	0	0	0	0	6
<u>Total Cost (Strategy 1)</u>	225	48	119	66	197	92	106
<u>Total Cost (Strategy 2)</u>	225	48	157	75	273	92	106

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Single Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Construct
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	New Facility
<u>Basic Compliance Cost</u>	378	85	85	85	85	218	225
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	81	20	169	0	0
Strategy 2	0	0	125	31	270	0	0
<u>Post Closure Cost</u>	7	0	0	0	0	0	10
<u>Financial Assurance Costs</u>							
Closure	31	10	10	10	10	10	10
Post Closure	8	0	0	0	0	0	7
<u>Total Cost (Strategy 1)</u>	424	95	176	115	264	228	252
<u>Total Cost (Strategy 2)</u>	424	95	220	126	365	228	252

S U R F A C E I M P O U N D M E N T P R I N T O U T S

I. Annual Revenue Requirements

B. Double Liner (Synthetic/Clay) for Part 264 D&O

Facility Type: Surface Impoundment
Size: .25 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility</u>	<u>Alteration</u>
		No					
		Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
		Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
	<u>ISS</u>						<u>New Facility</u>
	<u>Baseline</u>						
<u>Basic Compliance Cost</u>	32	4	4	4	4	13	11
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	58	15	122	0	0
Strategy 2	0	0	77	19	163	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	5	0	0	0	0	0	4
<u>Total Cost (Strategy 1)</u>	42	5	62	19	126	13	23
<u>Total Cost (Strategy 2)</u>	42	5	81	23	167	13	23

Facility Type: Surface Impoundment
Size: .5 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
							New Facility
<u>Basic Compliance Cost</u>	40	7	7	7	7	21	19
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	58	15	122	0	0
Strategy 2	0	0	77	19	163	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	50	8	65	23	130	22	31
<u>Total Cost (Strategy 2)</u>	50	8	85	27	171	22	31

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	54	12	12	12	12	36	32
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	61	16	128	0	0
Strategy 2	0	0	86	22	180	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	3	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	66	13	74	29	141	37	45
<u>Total Cost (Strategy 2)</u>	66	13	99	35	193	37	45

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
						New Facility	
<u>Basic Compliance Cost</u>	78	20	20	20	20	69	63
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	65	17	138	0	0
Strategy 2	0	0	95	24	198	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	8
<u>Financial Assurance Costs</u>							
Closure	5	2	2	2	2	2	2
Post Closure	6	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	93	21	87	39	160	71	78
<u>Total Cost (Strategy 2)</u>	93	21	117	46	220	71	78

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	200	63	63	63	63	143	133
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	71	18	149	0	0
Strategy 2	0	0	109	27	225	0	0
<u>Post Closure Cost</u>	5	0	0	0	0	0	9
<u>Financial Assurance Costs</u>							
Closure	14	5	5	5	5	5	5
Post Closure	6	0	0	0	0	0	6
<u>Total Cost (Strategy 1)</u>	225	68	139	86	217	148	153
<u>Total Cost (Strategy 2)</u>	225	68	177	95	293	148	153

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Double Liner (Synthetic/Clay)

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	<u>Baseline</u>	Action	Continues for	Continues for	Continues for	Existing	Construct
		<u>Necessary</u>	<u>20 Yrs</u>	<u>20 Yrs</u>	<u>150 Yrs</u>	<u>Facility</u>	<u>New Facility</u>
<u>Basic Compliance Cost</u>	378	122	122	122	122	338	327
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	81	20	169	0	0
Strategy 2	0	0	125	31	270	0	0
<u>Post Closure Cost</u>	7	0	0	0	0	0	10
<u>Financial Assurance Costs</u>							
Closure	31	10	10	10	10	10	10
Post Closure	8	0	0	0	0	0	7
<u>Total Cost (Strategy 1)</u>	424	132	213	152	301	348	354
<u>Total Cost (Strategy 2)</u>	424	132	257	163	402	348	354

S U R F A C E I M P O U N D M E N T P R I N T O U T S

I. Annual Revenue Requirements

C. Double Synthetic Liner for Part 264 D&O

Facility Type: Surface Impoundment
Size .25 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Construct
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	New Facility
<u>Basic Compliance Cost</u>	32	5	5	5	5	8	6
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	63	15	131	0	0
Strategy 2	0	0	82	19	172	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	5	0	0	0	0	0	4
<u>Total Cost (Strategy 1)</u>	42	6	68	20	136	9	18
<u>Total Cost (Strategy 2)</u>	42	6	87	24	177	9	18

Facility Type: Surface Impoundment
Size .5 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		Basic Cost No Corrective Action Necessary	Corrective Action Necessary			Facility Alteration	
	ISS Baseline		Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	40	8	8	8	8	18	14
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	63	15	131	0	0
Strategy 2	0	0	82	19	172	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	50	9	72	24	140	18	27
<u>Total Cost (Strategy 2)</u>	50	9	91	28	181	18	27

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations							
		Basic Cost	Corrective Action Necessary			Facility	Alteration
		No					
		Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
		Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
	ISS						New Facility
	Baseline						
<u>Basic Compliance Cost</u>	54	15	15	15	15	33	28
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	66	16	137	0	0
Strategy 2	0	0	91	22	189	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	7
<u>Financial Assurance Costs</u>							
Closure	3	1	1	1	1	1	1
Post Closure	5	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	66	16	82	32	153	34	42
<u>Total Cost (Strategy 2)</u>	66	16	107	38	205	34	42

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility</u>	<u>Alteration</u>
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
							New Facility
<u>Basic Compliance Cost</u>	78	23	23	23	23	69	61
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	70	17	147	0	0
Strategy 2	0	0	100	24	207	0	0
<u>Post Closure Cost</u>	4	0	0	0	0	0	8
<u>Financial Assurance Costs</u>							
Closure	5	2	2	2	2	2	2
Post Closure	6	0	0	0	0	0	5
<u>Total Cost (Strategy 1)</u>	93	25	95	42	172	71	76
<u>Total Cost (Strategy 2)</u>	93	25	125	49	232	71	76

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	200	76	76	76	76	153	137
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	76	18	158	0	0
Strategy 2	0	0	114	27	234	0	0
<u>Post Closure Cost</u>	5	0	0	0	0	0	9
<u>Financial Assurance Costs</u>							
Closure	14	5	5	5	5	5	5
Post Closure	6	0	0	0	0	0	6
<u>Total Cost (Strategy 1)</u>	225	81	157	99	239	157	156
<u>Total Cost (Strategy 2)</u>	225	81	195	108	315	157	156

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Double Synthetic

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost No Corrective Action Necessary	Corrective Action Necessary			Facility Alteration	
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	378	147	147	147	147	364	340
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	86	20	178	0	0
Strategy 2	0	0	130	31	270	0	0
<u>Post Closure Cost</u>	7	0	0	0	0	0	10
<u>Financial Assurance Costs</u>							
Closure	31	10	10	10	10	10	10
Post Closure	8	0	0	0	0	0	7
<u>Total Cost (Strategy 1)</u>	424	157	243	177	335	374	367
<u>Total Cost (Strategy 2)</u>	424	157	287	188	427	374	367

S U R F A C E I M P O U N D M E N T P R I N T O U T S

II. First Year Cash Requirements

A. Single Synthetic Liner for Part 264 D&O

Facility Type: Surface Impoundment
Size: .25 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	112	0	0	0	0	92	68
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	3	0	0	0	0	0	56
<u>Total Cost (Strategy 1)</u>	116	0	134	0	134	93	124
<u>Total Cost (Strategy 2)</u>	116	0	184	0	184	93	124

Facility Type: Surface Impoundment
Size: .5 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	129	0	0	0	0	160	120
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	3	0	0	0	0	0	57
<u>Total Cost (Strategy 1)</u>	133	1	134	1	134	160	178
<u>Total Cost (Strategy 2)</u>	133	1	184	1	184	160	178

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	146	0	0	0	0	307	242
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	144	0	144	0	0
Strategy 2	0	0	229	0	229	0	0
<u>Financial Assurance Costs</u>							
Closure	3	2	2	2	2	2	2
Post Closure	3	0	0	0	0	0	59
<u>Total Cost (Strategy 1)</u>	152	2	145	2	145	309	303
<u>Total Cost (Strategy 2)</u>	152	2	230	2	230	309	303

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	193	0	0	0	0	594	479
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	164	0	164	0	0
Strategy 2	0	0	274	0	274	0	0
<u>Financial Assurance Costs</u>							
Closure	6	3	3	3	3	3	3
Post Closure	4	0	0	0	0	0	62
<u>Total Cost (Strategy 1)</u>	203	3	167	3	167	598	544
<u>Total Cost (Strategy 2)</u>	203	3	277	3	277	598	544

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		<u>No Corrective Action Necessary</u>	<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>	<u>Retrofit Existing Facility</u>	<u>Close Existing and Construct New Facility</u>
<u>Basic Compliance Cost</u>	342	0	0	0	0	1479	1253
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	184	0	184	0	0
Strategy 2	0	0	344	0	344	0	0
<u>Financial Assurance Costs</u>							
Closure	16	8	8	8	8	8	8
Post Closure	4	0	0	0	0	0	72
<u>Total Cost (Strategy 1)</u>	362	8	192	8	192	1487	1333
<u>Total Cost (Strategy 2)</u>	362	8	352	8	352	1487	1333

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Single Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
							New Facility
<u>Basic Compliance Cost</u>	613	0	0	0	0	3192	2821
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	229	0	229	0	0
Strategy 2	0	0	374	0	374	0	0
<u>Financial Assurance Costs</u>							
Closure	37	18	18	18	18	18	18
Post Closure	5	0	0	0	0	0	97
<u>Total Cost (Strategy 1)</u>	655	18	247	18	247	3210	2936
<u>Total Cost (Strategy 2)</u>	655	18	392	18	392	3210	2936

S U R F A C E I M P O U N D M E N T P R I N T O U T S

II. First Year Cash Requirements

B. Double Liner (Synthetic/Clay) for Part 264 D&O

Facility Type: Surface Impoundment
Size: .25 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Existing and
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Construct
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	New Facility
<u>Basic Compliance Cost</u>	112	0	0	0	0	126	94
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	3	0	0	0	0	0	56
<u>Total Cost (Strategy 1)</u>	116	0	134	0	134	126	150
<u>Total Cost (Strategy 2)</u>	116	0	184	0	184	126	150

Facility Type: Surface Impoundment
Size: .5 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations							
		Basic Cost	Corrective Action Necessary			Facility Alteration	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
						New Facility	
<u>Basic Compliance Cost</u>	129	0	0	0	0	223	169
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	3	0	0	0	0	0	57
<u>Total Cost (Strategy 1)</u>	133	1	134	1	134	224	227
<u>Total Cost (Strategy 2)</u>	133	1	184	1	184	224	227

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No				Close	
	<u>ISS</u>	<u>Corrective</u>	<u>Starts in Yr 0</u>	<u>Starts In Yr 49</u>	<u>Starts In Yr 0</u>	<u>Retrofit</u>	<u>Existing and</u>
	<u>Baseline</u>	<u>Action</u>	<u>Continues for</u>	<u>Continues for</u>	<u>Continues for</u>	<u>Existing</u>	<u>Construct</u>
		<u>Necessary</u>	<u>20 Yrs</u>	<u>20 Yrs</u>	<u>150 Yrs</u>	<u>Facility</u>	<u>New Facility</u>
<u>Basic Compliance Cost</u>	146	0	0	0	0	426	333
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	144	0	144	0	0
Strategy 2	0	0	229	0	229	0	0
<u>Financial Assurance Costs</u>							
Closure	3	2	2	2	2	2	2
Post Closure	3	0	0	0	0	0	59
<u>Total Cost (Strategy 1)</u>	152	2	145	2	145	427	394
<u>Total Cost (Strategy 2)</u>	152	2	230	2	230	427	394

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	193	0	0	0	0	824	654
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	164	0	164	0	0
Strategy 2	0	0	274	0	274	0	0
<u>Financial Assurance Costs</u>							
Closure	6	3	3	3	3	3	3
Post Closure	4	0	0	0	0	0	62
<u>Total Cost (Strategy 1)</u>	203	3	167	3	167	827	719
<u>Total Cost (Strategy 2)</u>	203	3	277	3	277	827	719

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	342	0	0	0	0	2036	1677
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	184	0	184	0	0
Strategy 2	0	0	344	0	344	0	0
<u>Financial Assurance Costs</u>							
Closure	16	8	8	8	8	8	8
Post Closure	4	0	0	0	0	0	72
<u>Total Cost (Strategy 1)</u>	362	8	192	8	192	2044	1757
<u>Total Cost (Strategy 2)</u>	362	8	352	8	352	2044	1757

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Double Liner (Synthetic/Clay)

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
						New Facility	
<u>Basic Compliance Cost</u>	613	0	0	0	0	4389	3730
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	229	0	229	0	0
Strategy 2	0	0	374	0	374	0	0
<u>Financial Assurance Costs</u>							
Closure	37	18	18	18	18	18	18
Post Closure	5	0	0	0	0	0	97
<u>Total Cost (Strategy 1)</u>	655	18	247	18	247	4407	3845
<u>Total Cost (Strategy 2)</u>	655	18	392	18	392	4407	3845

S U R F A C E I M P O U N D M E N T P R I N T O U T S

II. First Year Cash Requirements

C. Double Synthetic Liner for Part 264 D&O

Facility Type: Surface Impoundment
Size: .25 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	112	0	0	0	0	123	86
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	0	0	0	0	0	0
Post Closure	3	0	0	0	0	0	56
<u>Total Cost (Strategy 1)</u>	116	0	134	0	134	123	142
<u>Total Cost (Strategy 2)</u>	116	0	184	0	184	123	142

Facility Type: Surface Impoundment
Size: .5 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	129	0	0	0	0	225	162
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	134	0	134	0	0
Strategy 2	0	0	184	0	184	0	0
<u>Financial Assurance Costs</u>							
Closure	1	1	1	1	1	1	1
Post Closure	3	0	0	0	0	0	57
<u>Total Cost (Strategy 1)</u>	133	1	134	1	134	226	220
<u>Total Cost (Strategy 2)</u>	133	1	184	1	184	226	220

Facility Type: Surface Impoundment
Size: 1 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	Basic Cost	Corrective Action Necessary			Facility Alteration	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	146	0	0	0	0	440	329
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	144	0	144	0	0
Strategy 2	0	0	229	0	229	0	0
<u>Financial Assurance Costs</u>							
Closure	3	2	2	2	2	2	2
Post Closure	3	0	0	0	0	0	59
<u>Total Cost (Strategy 1)</u>	152	2	145	2	145	442	390
<u>Total Cost (Strategy 2)</u>	152	2	230	2	230	442	390

Facility Type: Surface Impoundment
Size: 2 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
	<u>ISS Baseline</u>						
<u>Basic Compliance Cost</u>	193	0	0	0	0	859	653
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	164	0	164	0	0
Strategy 2	0	0	274	0	274	0	0
<u>Financial Assurance Costs</u>							
Closure	6	3	3	3	3	3	3
Post Closure	4	0	0	0	0	0	62
<u>Total Cost (Strategy 1)</u>	203	3	167	3	167	862	718
<u>Total Cost (Strategy 2)</u>	203	3	277	3	277	862	718

Facility Type: Surface Impoundment
Size: 5 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

<u>Incremental Costs of Complying with Part 264 Regulations</u>							
	ISS Baseline	<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No Corrective Action Necessary	Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs	Retrofit Existing Facility	Close Existing and Construct New Facility
<u>Basic Compliance Cost</u>	342	0	0	0	0	2133	1685
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	184	0	184	0	0
Strategy 2	0	0	344	0	344	0	0
<u>Financial Assurance Costs</u>							
Closure	16	8	8	8	8	8	8
Post Closure	4	0	0	0	0	0	72
<u>Total Cost (Strategy 1)</u>	362	8	192	8	192	2141	1765
<u>Total Cost (Strategy 2)</u>	362	8	352	8	352	2141	1765

Facility Type: Surface Impoundment
Size: 11 Acre
Liner System: Double Synthetic

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

		<u>Basic Cost</u>	<u>Corrective Action Necessary</u>			<u>Facility Alteration</u>	
		No					
	ISS	Corrective	Starts in Yr 0	Starts In Yr 49	Starts In Yr 0	Retrofit	Close
	Baseline	Action	Continues for	Continues for	Continues for	Existing	Existing and
		Necessary	20 Yrs	20 Yrs	150 Yrs	Facility	Construct
							New Facility
<u>Basic Compliance Cost</u>	613	0	0	0	0	4604	3753
<u>Counterpumping Cost Using:</u>							
Strategy 1	0	0	229	0	229	0	0
Strategy 2	0	0	374	0	374	0	0
<u>Financial Assurance Costs</u>							
Closure	37	18	18	18	18	18	18
Post Closure	5	0	0	0	0	0	97
<u>Total Cost (Strategy 1)</u>	655	18	247	18	247	4622	3868
<u>Total Cost (Strategy 2)</u>	655	18	392	18	392	4622	3868

L A N D T R E A T M E N T P R I N T O U T S

I. Annual Revenue Requirements

Facility Type: Land Treatment
Size: 1.7 Acres

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	68	6	6	6	6
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	63	16	134
Strategy 2	0	0	89	22	187
<u>Post Closure Cost</u>	15	5	5	5	5
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	19	6	6	6	6
<u>Total Cost (Strategy 1)</u>	102	17	77	31	143
<u>Total Cost (Strategy 2)</u>	102	17	103	38	196

Facility Type: Land Treatment
Size: 6.5 Acres

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	70	7	7	7	7
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	73	19	154
Strategy 2	0	0	114	28	236
<u>Post Closure Cost</u>	15	5	5	5	5
<u>Financial Assurance Costs</u>					
Closure	1	0	0	0	0
Post Closure	19	6	6	6	6
<u>Total Cost (Strategy 1)</u>	104	19	91	37	172
<u>Total Cost (Strategy 2)</u>	104	19	132	46	254

Facility Type: Land Treatment
Size: 20.1 Acres

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	75	34	34	34	34
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	85	21	178
Strategy 2	0	0	133	33	276
<u>Post Closure Cost</u>	33	4	4	4	4
<u>Financial Assurance Costs</u>					
Closure	1	0	0	0	0
Post Closure	41	6	6	6	6
<u>Total Cost (Strategy 1)</u>	151	45	129	65	222
<u>Total Cost (Strategy 2)</u>	151	45	177	77	320

Facility Type: Land Treatment
Size: 74.3 Acres

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	86	111	111	111	111
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	109	27	225
Strategy 2	0	0	180	44	371
<u>Post Closure Cost</u>	81	4	4	4	4
<u>Financial Assurance Costs</u>					
Closure	4	0	0	0	0
Post Closure	102	6	6	6	6
<u>Total Cost (Strategy 1)</u>	273	122	230	148	346
<u>Total Cost (Strategy 2)</u>	273	122	301	165	492

Facility Type: Land Treatment
Size: 247.1 Acres

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	111	353	353	353	353
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	140	34	285
Strategy 2	0	0	234	56	472
<u>Post Closure Cost</u>	237	2	2	2	2
<u>Financial Assurance Costs</u>					.
Closure	12	0	0	0	0
Post Closure	297	5	5	5	5
<u>Total Cost (Strategy 1)</u>	657	361	500	394	645
<u>Total Cost (Strategy 2)</u>	657	361	594	416	832

LAND TREATMENT PRINTOUTS

II. First Year Cash Requirements

Facility Type: Land Treatment
Size: 1.7 Acres

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts in Yr 49	Starts in Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	103	72	72	72	72
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	154	0	154
Strategy 2	0	0	244	0	244
<u>Financial Assurance Costs</u>					
Closure	0	0	0	0	0
Post Closure	12	4	4	4	4
<u>Total Cost (Strategy 1)</u>	116	76	230	76	230
<u>Total Cost (Strategy 2)</u>	116	76	320	76	320

Facility Type: Land Treatment
Size: 6.5 Acres

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	116	77	77	77	77
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	184	0	184
Strategy 2	0	0	344	0	344
<u>Financial Assurance Costs</u>					
Closure	1	0	0	0	0
Post Closure	12	4	4	4	4
<u>Total Cost (Strategy 1)</u>	129	81	265	81	265
<u>Total Cost (Strategy 2)</u>	129	81	425	81	425

Facility Type: Land Treatment
Size: 20.1 Acres

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	137	99	99	99	99
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	244	0	244
Strategy 2	0	0	404	0	404
<u>Financial Assurance Costs</u>					
Closure	1	0	0	0	0
Post Closure	27	4	4	4	4
<u>Total Cost (Strategy 1)</u>	166	103	347	103	347
<u>Total Cost (Strategy 2)</u>	166	103	507	103	507

Facility Type: Land Treatment
Size: 74.3 Acres

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	184	134	134	134	134
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	374	0	374
Strategy 2	0	0	604	0	604
<u>Financial Assurance Costs</u>					
Closure	4	0	0	0	0
Post Closure	68	4	4	4	4
<u>Total Cost (Strategy 1)</u>	256	138	512	138	512
<u>Total Cost (Strategy 2)</u>	256	138	742	138	742

Facility Type: Land Treatment

Size: 247.1 Acres

II. First Year Cash Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	263	223	223	223	223
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	544	0	544
Strategy 2	0	0	1004	0	1004
<u>Financial Assurance Costs</u>					
Closure	14	0	0	0	0
Post Closure	197	3	3	3	3
<u>Total Cost (Strategy 1)</u>	474	226	769	226	769
<u>Total Cost (Strategy 2)</u>	474	226	1229	226	1229

W A S T E P I L E P R I N T O U T S

I. Annual Revenue Requirements

A. Sturdy Impermeable Base + Annual Inspection for Part 264 D&O

Facility Type: Wastepile
Size: 2,000 Cubic Feet
Compliance Option: Inspect Base

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	14	1	1	1	1
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	14	7	69	21	138
<u>Total Cost (Strategy 2)</u>	14	7	91	27	183

Facility Type: Wastepile
Size: 10,000 Cubic Feet
Compliance Option: Inspect Base

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	19	3	3	3	3
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	19	9	71	23	140
<u>Total Cost (Strategy 2)</u>	19	9	93	29	185

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Inspect Base

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	28	7	7	7	7
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	28	13	75	27	144
<u>Total Cost (Strategy 2)</u>	28	13	97	33	189

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Inspect Base

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	43	14	14	14	14
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	43	20	82	35	151
<u>Total Cost (Strategy 2)</u>	43	20	104	40	197

Facility Type: Wastepile
 Size: 500,000 Cubic Feet
 Compliance Option: Inspect Base

I. Annual Revenue Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	50	17	17	17	17
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	66	16	137
Strategy 2	0	0	88	21	183
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	50	23	89	39	160
<u>Total Cost (Strategy 2)</u>	50	23	111	44	206

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Inspect Base

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations					
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	57	21	21	21	21
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	67	16	140
Strategy 2	0	0	93	22	194
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	57	27	94	43	167
<u>Total Cost (Strategy 2)</u>	57	27	120	49	221

W A S T E P I L E P R I N T O U T S

I. Annual Revenue Requirements

B. Sturdy Impermeable Base + Ground-Water Monitoring for Part 264 D&O

Facility Type: Wastepile
Size: 2,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			Continues for 20 Yrs	Continues for 20 Yrs	Continues for 150 Yrs
<u>Basic Compliance Cost</u>	14	9	9	9	9
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	14	15	77	29	145
<u>Total Cost (Strategy 2)</u>	14	15	99	34	191

Facility Type: Wastepile
Size: 10,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	19	11	11	11	11
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	19	17	79	31	148
<u>Total Cost (Strategy 2)</u>	19	17	101	37	193

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	28	15	15	15	15
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	28	21	83	35	152
<u>Total Cost (Strategy 2)</u>	28	21	105	41	197

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	43	22	22	22	22
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	43	27	89	42	158
<u>Total Cost (Strategy 2)</u>	43	27	112	47	204

Facility Type: Wastepile
Size: 500,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	50	21	21	21	21
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	61	16	128
Strategy 2	0	0	83	21	174
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	50	27	88	43	155
<u>Total Cost (Strategy 2)</u>	50	27	110	48	201

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	57	21	21	21	21
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	16	131
Strategy 2	0	0	88	22	185
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	57	26	89	37	158
<u>Total Cost (Strategy 2)</u>	57	26	115	49	212

W A S T E P I L E P R I N T O U T S

I. Annual Revenue Requirements

C. Double Liner/Leachate Collection System for Part 264 D&O

Facility Type: Wastepile
 Size: 2,000 Cubic Feet
 Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	14	1	1	1	1
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	14	7	69	22	138
<u>Total Cost (Strategy 2)</u>	14	7	91	27	183

Facility Type: Wastepile
Size: 10,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	19	3	3	3	3
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	19	9	71	24	140
<u>Total Cost (Strategy 2)</u>	19	9	93	29	186

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0</u>	<u>Starts In Yr 49</u>	<u>Starts In Yr 0</u>
			<u>Continues for 20 Yrs</u>	<u>Continues for 20 Yrs</u>	<u>Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	28	7	7	7	7
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	28	13	75	27	144
<u>Total Cost (Strategy 2)</u>	28	13	97	33	189

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
(\$ 000)

	<u>Incremental Costs of Complying with Part 264 Regulations</u>				
	<u>ISS Baseline</u>	<u>No Corrective Action Necessary</u>	<u>Corrective Action Necessary</u>		
			<u>Starts in Yr 0 Continues for 20 Yrs</u>	<u>Starts In Yr 49 Continues for 20 Yrs</u>	<u>Starts In Yr 0 Continues for 150 Yrs</u>
<u>Basic Compliance Cost</u>	43	13	13	13	13
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	62	15	131
Strategy 2	0	0	84	20	176
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	43	19	81	34	150
<u>Total Cost (Strategy 2)</u>	43	19	103	39	195

Facility Type: Wastepile
Size: 500,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	50	11	11	11	11
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	66	16	137
Strategy 2	0	0	88	21	183
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	50	17	79	32	148
<u>Total Cost (Strategy 2)</u>	50	17	101	37	198

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

I. Annual Revenue Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	57	9	9	9	9
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	63	15	134
Strategy 2	0	0	89	21	187
<u>Financial Assurance Costs</u>					
Post Closure	0	6	6	6	6
<u>Total Cost (Strategy 1)</u>	57	15	79	30	149
<u>Total Cost (Strategy 2)</u>	57	15	105	36	202

W A S T E P I L E P R I N T O U T S

II. First Year Cash Requirements

A. Sturdy Impermeable Base + Annual Inspection for Part 264 D&O

Facility Type: Wastepile
Size: 2,000 Cubic Feet
Compliance Option: Inspect Base

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0	Starts In Yr 49	Starts In Yr 0
			Continues for 20 Yrs	Continues for 20 Yrs	Continues for 150 Yrs
<u>Basic Compliance Cost</u>	53	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	53	4	147	4	147
<u>Total Cost (Strategy 2)</u>	53	4	219	4	219

Facility Type: Wastepile
Size: 10,000 Cubic Feet
Compliance Option: Inspect Base

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	61	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	61	4	147	4	147
<u>Total Cost (Strategy 2)</u>	61	4	219	4	219

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Inspect Base

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	71	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	71	4	147	4	147
<u>Total Cost (Strategy 2)</u>	71	4	219	4	219

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Inspect Base

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	99	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	99	4	147	4	147
<u>Total Cost (Strategy 2)</u>	99	4	219	4	219

Facility Type: Wastepile
 •Size: 500,000 Cubic Feet
 Compliance Option: Inspect Base

II. First Year Cash Requirements
 (\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	185	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	185	4	147	4	147
<u>Total Cost (Strategy 2)</u>	185	4	219	4	219

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Inspect Base

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	258	0	0	0	0
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	149	0	149
Strategy 2	0	0	244	0	244
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	258	4	152	4	152
<u>Total Cost (Strategy 2)</u>	258	4	247	4	247

W A S T E P I L E P R I N T O U T S

II. First Year Cash Requirements

B. Sturdy Impermeable Base + Ground-Water Monitoring for Part 264 D&O

Facility Type: Wastepile
Size: 2,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	53	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	53	44	187	44	187
<u>Total Cost (Strategy 2)</u>	53	44	259	44	259

Facility Type: Wastepile
Size: 10,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	61	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	61	44	187	44	187
<u>Total Cost (Strategy 2)</u>	61	44	259	44	259

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	71	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	71	44	187	44	187
<u>Total Cost (Strategy 2)</u>	71	44	259	44	258

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	99	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	99	44	187	44	187
<u>Total Cost (Strategy 2)</u>	99	44	259	44	259

Facility Type: Wastepile
Size: 500,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	185	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	185	44	187	44	187
<u>Total Cost (Strategy 2)</u>	185	44	259	44	259

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Ground-Water Monitoring

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	258	40	40	40	40
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	149	0	149
Strategy 2	0	0	244	0	244
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	258	44	192	44	192
<u>Total Cost (Strategy 2)</u>	258	44	287	44	287

W A S T E P I L E P R I N T O U T S

II. First Year Cash Requirements

C. Double Liner/Leachate Collection System for Part 264 D&O

Facility Type: Wastepile
Size: 2,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	53	8	8	8	8
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	53	12	155	12	155
<u>Total Cost (Strategy 2)</u>	53	12	227	12	227

Facility Type: Wastepile
 Size: 10,000 Cubic Feet
 Compliance Option: Double Liner/Leachate Collection System

II. First Year Cash Requirements
 (\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	61	8	8	8	8
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	61	12	155	12	155
<u>Total Cost (Strategy 2)</u>	61	12	227	12	227

Facility Type: Wastepile
Size: 25,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	71	8	8	8	8
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	71	12	155	12	155
<u>Total Cost (Strategy 2)</u>	71	12	227	12	227

Facility Type: Wastepile
Size: 100,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	99	8	8	8	8
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	99	12	155	12	155
<u>Total Cost (Strategy 2)</u>	99	12	227	12	227

Facility Type: Wastepile
Size: 500,000 Cubic Feet
Compliance Option: Double Liner Leachate/Collection System

II. First Year Cash Requirements
(\$ 000)

Incremental Costs of Complying with Part 264 Regulations

	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	185	10	10	10	10
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	144	0	144
Strategy 2	0	0	216	0	216
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	185	14	158	14	158
<u>Total Cost (Strategy 2)</u>	185	14	230	14	230

Facility Type: Wastepile
Size: 1,000,000 Cubic Feet
Compliance Option: Double Liner/Leachate Collection System

II. First Year Cash Requirements
(\$ 000)

	Incremental Costs of Complying with Part 264 Regulations				
	ISS Baseline	No Corrective Action Necessary	Corrective Action Necessary		
			Starts in Yr 0 Continues for 20 Yrs	Starts In Yr 49 Continues for 20 Yrs	Starts In Yr 0 Continues for 150 Yrs
<u>Basic Compliance Cost</u>	258	13	13	13	13
<u>Counterpumping Cost Using:</u>					
Strategy 1	0	0	149	0	149
Strategy 2	0	0	244	0	244
<u>Financial Assurance Costs</u>					
Post Closure	0	4	4	4	4
<u>Total Cost (Strategy 1)</u>	258	17	165	17	165
<u>Total Cost (Strategy 2)</u>	258	17	260	17	260