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#9802

Rose Hill
3.6

#9082

REMEDIAL INVESTIGATION FINAL REPORT

Volume V Appendices D-G

Rose Hill Regional Landfill Superfund Site
South Kingstown, Rhode Island

May 1994

Prepared by:

M&E Metcalf & Eddy
An Air & Water Technologies Company

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D-1 M&E 3 PARAMETER WETLAND DELINEATION

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill			Project Location: Kingston, RI			
Sample Location: Wetland at Flag M&E A29			Date: May 30, 1991			
VEGETATION						
DOMINANTS BY STRATUM			Dominance Ratio	Percent Dominance	NWI Status	
Trees:						
<i>Acer rubrum</i>			30/50	60	FAC	
Lianas:						
<i>Smilax rotundifolia</i>			20/20	100	FAC	
Saplings:						
<i>Prunus serotina</i>			14/20	70	FACU	
Shrubs:						
<i>Viburnum dentatum</i>			12/30	40	FAC	
<i>Clethra alnifolia</i>			9/30	30	FAC	
<i>Vaccinium corymbosum</i>			6/30	20	FACW	
Seedlings and Herbs:						
<i>Symplocarpus foetidus</i>			12/60	20	OBL	
<i>Impatiens capensis</i>			12/60	20	FACW	
<i>Osmunda cinnamomea</i>			12/60	20	FACW	
<i>Carex stricta</i>			12/60	20	OBL	
<i>Thelypteris thelypteroides</i>			12/60	20	FACW	
Mosses and Liverworts:						
Tally:	OBL 2	FACW 4	FAC 4	FACU 1	UPL	SUM 11
{OBL+FACW+FAC}			X 100 =			Area Disturbed? Yes X N
SUM			10/11 = 91%			Describe:

Wetland at Flag M&E A29 cont'd

SOIL				
Depth		Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0	inch	10 YR 2/2 Matrix		
0-6	inch	10 YR 5/5 Mottles	Sandy loam	
6-12	inch	10 YR 2/1 Matrix	Sandy loam	
18	inch	10 YR 3/1 Matrix	Sandy loam	Groundwater at 17"
Soil Pedigree:		aeric Haplaquepts		
		Permeability: <6.0 in/hr		
Series and Phase:		Raypol Silt Loam		
		Drainage Class: Poorly Drained		
☒	NTCHS List	☐ Organic Soil	☐ High Organic Content in Surface Horizon	
☐	Histic Epipedon	☐ Sulfidic Material	☐ Aquic Moisture Regime	
☐	Peraquic Moisture Regime	☐ Reducing Condition	☒	Iron Concretions
☐	Manganese Concretions	☐ Gleyed	☐	Wet Spodosols
☐	Dark Vertical Streaking of Subsurface Horizons		☐	OBL Plants
☒	OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY				
☐ Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season				
Source:		Dated:		
☐	Inundation (Depth _____)	☒	Saturation (Depth 17")	
☐	Water Marks	☐ Oxidized Rhizosphere	☒	Drift Lines
☒	Sediment Deposits	☒	Water Stained Leaves	☐ Drainage Patterns
☐	Surface Scoured Areas	☐ Pneumatophores	☐	Buttressed Trees
☒	Stooling	☐ Adventitious Roots	☐	Shallow Root Systems
☐	Floating Stems	☐ Polymorphic Leaves	☐	Hypertrophied Lenticels
☐	Inflated Leaves, Stems, Roots	☐ Aerenchyma	☒	Hydric Soils
CONCLUSIONS				
☐ Yes	Hydrophytes Prevalent	☐ Yes	Hydric Soils	
☐ Yes	Wetland Hydrology	☐ Yes	Wetland?	
Wetlands Technician(s): <i>Robert M. Nelson</i>				
Wetlands Scientist(s): <i>John E. Jensen</i>				
Wetlands Technical Specialist: <i>David M. Kent, Ph.D.</i>				

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill			Project Location: Kingston, RI			
Sample Location: Upland at Flag M&E A29			Date: May 30, 1991			
VEGETATION						
DOMINANTS BY STRATUM			Dominance Ratio	Percent Dominance	NWI Status	
Trees:						
<i>Quercus alba</i>			20/50	50	FACU	
<i>Acer rubrum</i>			20/50	40	FAC	
Lianas:						
Saplings:						
<i>Quercus alba</i>			6/20	30	FACU	
Shrubs:						
<i>Vaccinium corymbosum (dead)</i>			6/30	20	FACW	
<i>Viburnum dentatum</i>			6/30	20	FAC	
Seedlings and Herbs:						
<i>Maianthemum canadense</i>			16/40	40	FAC	
<i>Lycopodium obscurum</i>			12/40	30	FACU	
<i>Phleum pratense</i>			12/40	30	FACU	
Mosses and Liverworts:						
Tally:	OBL	FACW 1	FAC 3	FACU 4	UPL	SUM 8
{OBL+FACW+FAC}			X 100 =			Area Disturbed? Yes X N
SUM			4/8 = 50%			Describe:

Upland at Flag M&E A29 cont'd

SOIL				
Depth		Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0	inch			
20	inch	10 YR 6/4 Matrix	Loamy sand	No groundwater to 20"
	inch			
	inch			
Soil Pedigree: Typic Dystrochrepts		Permeability: <20.0 in/hr		
Series and Phase: Agawam fine sandy loam		Drainage Class: Well Drained		
NTCHS List		Organic Soil	High Organic Content in Surface Horizon	
Histic Epipedon		Sulfidic Material	Aquic Moisture Regime	
Peraquic Moisture Regime		Reducing Condition	Iron Concretions	
Manganese Concretions		Gleyed	Wet Spodosols	
Dark Vertical Streaking of Subsurface Horizons		OBL Plants		
OBL and FACW Plants and Wetland/Upland Boundary Abrupt				
HYDROLOGY				
Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season				
Source:		Dated:		
Inundation (Depth _____)		Saturation (Depth >20")		
Water Marks		Oxidized Rhizosphere	Drift Lines	
Sediment Deposits		Water Stained Leaves	Drainage Patterns	
Surface Scoured Areas		Pneumatophores	Buttressed Trees	
Stooling		Adventitious Roots	Shallow Root Systems	
Floating Stems		Polymorphic Leaves	Hypertrophied Lenticels	
Inflated Leaves, Stems, Roots		Aerenchyma	Hydric Soils	
CONCLUSIONS				
No	Hydrophytes Prevalent	No	Hydric Soils	
No	Wetland Hydrology	No	Wetland?	
Wetlands Technician(s): <i>Debra M. Melanson</i>				
Wetlands Scientist(s): <i>Carol E. Tamm</i>				
Wetlands Technical Specialist: <i>James M. Kent PhD</i>				

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill		Project Location: Kingston, RI	
Sample Location: Wetland at Flag M&E A97		Date: May 30, 1991	
VEGETATION			
DOMINANTS BY STRATUM	Dominance Ratio	Percent Dominance	NWI Status
Trees:			
<i>Quercus bicolor</i>	21/70	30	FACW
<i>Acer rubrum</i>	28/70	40	FAC
Lianas:			
Saplings:			
<i>Acer rubrum</i>	5/10	50	FAC
<i>Quercus bicolor</i>	2/10	20	FACW
Shrubs:			
Seedlings and Herbs:			
<i>Impatiens capensis</i>	30/60	50	FACW
<i>Osmunda cinnamomea</i>	24/60	40	FACW
<i>Onoclea sensibilis</i>	12/60	20	FACW
Mosses and Liverworts:			
Tally:	OBL	FACW 5	FAC 2
	FACU	UPL	SUM 7
$\frac{\{OBL+FACW+FAC\}}{SUM} \times 100 =$ $\frac{7/7}{7/7} = 100\%$		Area Disturbed? <u>Yes</u> <u>X</u> <u>N</u> Describe:	

Wetland at Flag M&E A97 cont'd

SOIL				
Depth		Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0	inch	10 YR 2/2 Matrix		
10	inch	10 YR 6/8 Mottles	Sandy loam	
20	inch	10 YR 2/1 Matrix	Sandy loam	Groundwater at 16"
	inch			
Soil Pedigree:		Aeric Haplaquepts		Permeability: <6.0 in/hr
Series and Phase:		Walpole Sandy Loam		Drainage Class: Poorly Drained
☒	NTCHS List		☐ Organic Soil	☐ High Organic Content in Surface Horizon
☐	Histic Epipedon		☐ Sulfidic Material	☒ Aquic Moisture Regime
☐	Peraquic Moisture Regime		☐ Reducing Condition	☒ Iron Concretions
☐	Manganese Concretions		☐ Gleyed	☐ Wet Spodosols
☐	Dark Vertical Streaking of Subsurface Horizons			☐ OBL Plants
☐	OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY				
Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season				
Source:		Dated:		
☐	Inundation (Depth _____)	☒	Saturation (Depth 16")	
☐	Water Marks	☐	Oxidized Rhizosphere	☐ Drift Lines
☐	Sediment Deposits	☒	Water Stained Leaves	☐ Drainage Patterns
☐	Surface Scoured Areas	☐	Pneumatophores	☒ Buttressed Trees
☐	Stooling	☐	Adventitious Roots	☐ Shallow Root Systems
☐	Floating Stems	☐	Polymorphic Leaves	☐ Hypertrophied Lenticels
☐	Inflated Leaves, Stems, Roots	☐	Aerenchyma	☒ Hydric Soils
CONCLUSIONS				
☐ Yes	Hydrophytes Prevalent	☐ Yes	Hydric Soils	
☐ Yes	Wetland Hydrology	☐ Yes	Wetland?	
Wetlands Technician(s): <i>Debra M. Melton</i>				
Wetlands Scientist(s): <i>Carl E. Tamm</i>				
Wetlands Technical Specialist: <i>James M. Kent, Ph.D.</i>				

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill			Project Location: Kingston, RI			
Sample Location: Upland at Flag M&E A97			Date: May 31, 1991			
VEGETATION						
DOMINANTS BY STRATUM			Dominance Ratio	Percent Dominance	NWI Status	
Trees:						
<i>Acer rubrum</i>			25/50	50	FAC	
Lianas:						
<i>Smilax rotundifolia</i>			5/5	100	FAC	
Saplings:						
Shrubs:						
<i>Kalmia latifolia</i>			25/50	50	FACU	
Seedlings and Herbs:						
<i>Lycopodium obscurum</i>			25/50	50	FACU	
<i>Parthenocissus quinquefolia</i>			15/50	30	FACU	
<i>Onoclea sensibilis</i>			10/50	20	FACW	
Mosses and Liverworts:						
Tally:	OBL	FACW 1	FAC 2	FACU 3	UPL	SUM 6
{OBL+FACW+FAC} X 100 =			Area Disturbed? Yes ☒ No ☐			
SUM			Describe:			
3/6 = 50%						

Upland at Flag M&E A97 cont'd

SOIL			
Depth	Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0 inch			
0-10 inch	7.5 YR 3/2	Sandy loam	
10-20 inch	10 YR 3/3	Sandy loam	No groundwater to 20"
inch			
Soil Pedigree: Typic Fragiodrepts		Permeability: 0.6 - 2.0 in/hr	
Series and Phase: Rainbow Silt Loam		Drainage Class: Moderately Well Drained	
☐ NTCHS List	☐ Organic Soil	☐ High Organic Content in Surface Horizon	
☐ Histic Epipedon	☐ Sulfidic Material	☐ Aquic Moisture Regime	
☐ Peraquic Moisture Regime	☐ Reducing Condition	☐ Iron Concretions	
☐ Manganese Concretions	☐ Gleyed	☐ Wet Spodosols	
☐ Dark Vertical Streaking of Subsurface Horizons		☐ OBL Plants	
☐ OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY			
☐ Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season			
Source:		Dated:	
☐ Inundation (Depth _____)	☐ Saturation (Depth >20")		
☐ Water Marks	☐ Oxidized Rhizosphere	☐ Drift Lines	
☐ Sediment Deposits	☐ Water Stained Leaves	☐ Drainage Patterns	
☐ Surface Scoured Areas	☐ Pneumatophores	☐ Buttressed Trees	
☐ Stooling	☐ Adventitious Roots	☐ Shallow Root Systems	
☐ Floating Stems	☐ Polymorphic Leaves	☐ Hypertrophied Lenticels	
☐ Inflated Leaves, Stems, Roots	☐ Aerenchyma	☐ Hydric Soils	
CONCLUSIONS			
☐ No	Hydrophytes Prevalent	☐ No	Hydric Soils
☐ No	Wetland Hydrology	☐ No	Wetland?
Wetlands Technician(s): <i>Debra M. Adams</i>			
Wetlands Scientist(s): <i>Carl E. Lamm</i>			
Wetlands Technical Specialist: <i>Donald M. Kury, Ph.D.</i>			

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill			Project Location: Kingston, RI			
Sample Location: Wetland at Flag M&E B2			Date: May 30, 1991			
VEGETATION						
DOMINANTS BY STRATUM			Dominance Ratio	Percent Dominance	NWI Status	
Trees:						
<i>Salix nigra</i>			10/10	100	FACW	
Lianas:						
Saplings:						
Shrubs:						
Seedlings and Herbs:						
<i>Phragmites australis</i>			54/90	60	FACW	
<i>Typha latifolia</i>			18/90	20	OBL	
<i>Carex stricta</i>			18/90	20	OBL	
Mosses and Liverworts:						
Tally:	OBL 2	FACW 2	FAC	FACU	UPL	SUM 4
{OBL+FACW+FAC}			Area Disturbed? X Yes No			
SUM			Describe:			
100%			Landfill cover			

Wetland at Flag M&E B2 cont'd

SOIL			
Depth	Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0	inch		On landfill
	inch		No borings taken
	inch		
	inch		
Soil Pedigree: _____ Permeability: _____			
Series and Phase: _____		Drainage Class: _____	
_____ NTCHS List	_____ Organic Soil	_____ High Organic Content in Surface Horizon	
_____ Histic Epipedon	_____ Sulfidic Material	_____ Aquic Moisture Regime	
_____ Peraquic Moisture Regime	_____ Reducing Condition	_____ Iron Concretions	
_____ Manganese Concretions	_____ Gleyed	_____ Wet Spodosols	
_____ Dark Vertical Streaking of Subsurface Horizons		_____ OBL Plants	
_____ OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY			
_____ Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season			
Source: _____		Dated: _____	
_____ Inundation (Depth _____)	_____ Saturation (Depth _____)		
X Water Marks	_____ Oxidized Rhizosphere	_____ Drift Lines	
_____ Sediment Deposits	_____ Water Stained Leaves	_____ Drainage Patterns	
X Surface Scoured Areas	_____ Pneumatophores	_____ Buttressed Trees	
X Stooling	_____ Adventitious Roots	_____ Shallow Root Systems	
_____ Floating Stems	_____ Polymorphic Leaves	_____ Hypertrophied Lenticels	
_____ Inflated Leaves, Stems, Roots	X Aerenchyma	_____ Hydric Soils	
CONCLUSIONS			
Yes	Hydrophytes Prevalent	-	Hydric Soils
Yes	Wetland Hydrology	Yes	Wetland?
Wetlands Technician(s): <i>Regina Nelson</i>			
Wetlands Scientist(s): <i>Carl E. Lamm</i>			
Wetlands Technical Specialist: <i>David M. Kent, Ph.D.</i>			

M&E 3 PARAMETER WETLAND DELINEATION SUMMARY SHEET

Project Title: Rose Hill Landfill				Project Location: Kingston, RI			
Sample Location: Upland at Flag M&E B2				Date: May 30, 1991			
VEGETATION							
DOMINANTS BY STRATUM				Dominance Ratio	Percent Dominance	NWI Status	
Trees:							
Lianas:							
Saplings:							
Shrubs:							
Seedlings and Herbs:							
<i>Rubus occidentalis</i>				24/80	30	UPL	
<i>Daucus carota</i>				16/80	20	UPL	
Graminae				24/80	30	UPL	
Mosses and Liverworts:							
Tally:	OBL	FACW	FAC	FACU	UPL 3	SUM 3	
{OBL+FACW+FAC}			X 100 =		Area Disturbed?		
SUM			0%		Describe: Landfill cover		
					X	Yes	No

Upland at Flag M&E B2 cont'd

SOIL			
Depth	Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0 inch			On landfill
inch			No borings taken
inch			
inch			
Soil Pedigree:		Permeability:	
Series and Phase:		Drainage Class:	
NTCHS List	Organic Soil	High Organic Content in Surface Horizon	
Histic Epipedon	Sulfidic Material	Aquic Moisture Regime	
Peraquic Moisture Regime	Reducing Condition	Iron Concretions	
Manganese Concretions	Gleyed	Wet Spodosols	
Dark Vertical Streaking of Subsurface Horizons		OBL Plants	
OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY			
Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season			
Source:		Dated:	
Inundation (Depth _____)	Saturation (Depth _____)		
Water Marks	Oxidized Rhizosphere	Drift Lines	
Sediment Deposits	Water Stained Leaves	Drainage Patterns	
Surface Scoured Areas	Pneumatophores	Buttressed Trees	
Stooling	Adventitious Roots	Shallow Root Systems	
Floating Stems	Polymorphic Leaves	Hypertrophied Lenticels	
Inflated Leaves, Stems, Roots	Aerenchyma	Hydric Soils	
CONCLUSIONS			
No	Hydrophytes Prevalent	-	Hydric Soils
No	Wetland Hydrology	No	Wetland?
Wetlands Technician(s): <i>Debra M. Kent</i>			
Wetlands Scientist(s): <i>Debra M. Kent</i>			
Wetlands Technical Specialist: <i>Debra M. Kent, Ph.D.</i>			

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill			Project Location: Kingston, RI			
Sample Location: Wetland at Flag M&E C1			Date: May 31, 1991			
VEGETATION						
DOMINANTS BY STRATUM			Dominance Ratio	Percent Dominance	NWI Status	
Trees:						
<i>Acer rubrum</i>			10/10	100	FAC	
Lianas:						
Saplings:						
Shrubs:						
Seedlings and Herbs:						
<i>Onoclea sensibilis</i>			20/40	50	FACW	
Mosses and Liverworts:						
Tally:	OBL	FACW 1	FAC 1	FACU	UPL	SUM 2
{OBL+FACW+FAC}			X 100 =			Area Disturbed? Yes X N
SUM			100%			Describe:

Wetland at Flag M&E C1 cont'd

SOIL			
Depth	Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0 inch			
0-4 inch	10 YR 2/1	Sandy loam	Groundwater at surface
4-20 inch	7.5 YR 2/0	Organic	
inch			
Soil Pedigree: Aerice Haplaquepts Permeability: <6.0 in/hr			
Series and Phase: Walpole Fine Sandy Loam Drainage Class: Poorly Drained			
☒ NTCHS List	☒ Organic Soil	☐ High Organic Content in Surface Horizon	
☐ Histic Epipedon	☐ Sulfidic Material	☐ Aquic Moisture Regime	
☒ Peraquic Moisture Regime	☐ Reducing Condition	☐ Iron Concretions	
☐ Manganese Concretions	☐ Gleyed	☐ Wet Spodosols	
☐ Dark Vertical Streaking of Subsurface Horizons		☐ OBL Plants	
☐ OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY			
☐ Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season			
Source:		Dated:	
☒ Inundation (Depth 5")	☐ Saturation (Depth _____)		
☒ Water Marks	☐ Oxidized Rhizosphere	☒ Drift Lines	
☐ Sediment Deposits	☒ Water Stained Leaves	☒ Drainage Patterns	
☐ Surface Scoured Areas	☐ Pneumatophores	☒ Buttressed Trees	
☐ Stooling	☐ Adventitious Roots	☐ Shallow Root Systems	
☐ Floating Stems	☐ Polymorphic Leaves	☐ Hypertrophied Lenticels	
☐ Inflated Leaves, Stems, Roots	☐ Aerenchyma	☒ Hydric Soils	
CONCLUSIONS			
☐ Yes Hydrophytes Prevalent	☐ Yes Hydric Soils		
☐ Yes Wetland Hydrology	☐ Yes Wetland?		
Wetlands Technician(s): <i>Debra Nelson</i>			
Wetlands Scientist(s): <i>Carol E. Tanner</i>			
Wetlands Technical Specialist: <i>Michael de Kort, Ph.D.</i>			

**M&E 3 PARAMETER WETLAND DELINEATION
SUMMARY SHEET**

Project Title: Rose Hill Landfill				Project Location: Kingston, RI		
Sample Location: Upland at Flag M&E C1				Date: May 31, 1991		
VEGETATION						
DOMINANTS BY STRATUM				Dominance Ratio	Percent Dominance	NWI Status
Trees:						
<i>Acer rubrum</i>				53/70	75	FAC
Lianas:						
<i>Smilax rotundifolia</i>				5/5	100	FAC
Saplings:						
Shrubs:						
Seedlings and Herbs:						
<i>Onoclea sensibilis</i>				20/50	40	FACW
<i>Lycopodium obscurum</i>				15/50	30	FACU
<i>Maianthemum canadense</i>				10/50	20	FAC
Mosses and Liverworts:						
Tally:	OBL	FACW 1	FAC 3	FACU 1	UPL	SUM 5
{OBL+FACW+FAC}			X 100 =			
SUM			4/5 = 80%			
			Area Disturbed? Yes X N			
			Describe:			

Upland at Flag M&E C1 cont'd

SOIL			
Depth	Munsell Color (Wet) Matrix/Mottle	USDA Texture (Wet)	Remarks
0 inch			
0-5 inch	10 YR 2/2	Sandy loam	No groundwater to 20"
5-20 inch	10 YR 3/2	Sandy loam	
inch			
Soil Pedigree: Typic Fragiochrepts		Permeability: 0.6 - 2.0 in/hr	
Series and Phase: Rainbow silt loam		Drainage Class: Moderately Well Drained	
☐ NTCHS List	☐ Organic Soil	☐ High Organic Content in Surface Horizon	
☐ Histic Epipedon	☐ Sulfidic Material	☐ Aquic Moisture Regime	
☐ Peraquic Moisture Regime	☐ Reducing Condition	☐ Iron Concretions	
☐ Manganese Concretions	☐ Gleyed	☐ Wet Spodosols	
☐ Dark Vertical Streaking of Subsurface Horizons		☐ OBL Plants	
☐ OBL and FACW Plants and Wetland/Upland Boundary Abrupt			
HYDROLOGY			
☐ Recorded Data Indicating Inundation or Saturation for Extended Period During the Growing Season			
Source:		Dated:	
☐ Inundation (Depth _____)	☒ X	☐ Saturation (Depth >20")	
☐ Water Marks	☐ Oxidized Rhizosphere	☐ Drift Lines	
☐ Sediment Deposits	☐ Water Stained Leaves	☐ Drainage Patterns	
☐ Surface Scoured Areas	☐ Pneumatophores	☐ Buttressed Trees	
☐ Stooling	☐ Adventitious Roots	☐ Shallow Root Systems	
☐ Floating Stems	☐ Polymorphic Leaves	☐ Hypertrophied Lenticels	
☐ Inflated Leaves, Stems, Roots	☐ Aerenchyma	☐ Hydric Soils	
CONCLUSIONS			
☐ Yes	Hydrophytes Prevalent	☐ No	Hydric Soils
☐ No	Wetland Hydrology	☐ No	Wetland?
Wetlands Technician(s): <i>Debra M. Miller</i>			
Wetlands Scientist(s): <i>Carl S. Lauer</i>			
Wetlands Technical Specialist: <i>Donald M. Kent, Ph.D.</i>			

D-2 SUMMARY OF EVALUATION RESULTS FOR "ROSE1"

Summary of Evaluation Results for "rose1"

	Social Significance	Effectiveness	Opportunity
Ground Water Recharge	M	U	*
Ground Water Discharge	M	L	*
Floodflow Alteration	L	M	M
Sediment Stabilization	L	H	*
Sediment/Toxicant Retention	H	L	H
Nutrient Removal/Transformation	M	L	H
Production Export	*	M	*
Wildlife Diversity/Abundance	H	*	*
Wildlife D/A Breeding	*	H	*
Wildlife D/A Migration	*	H	*
Wildlife D/A Wintering	*	H	*
Aquatic Diversity/Abundance	L	L	*
Uniqueness/Heritage	L	*	*
Recreation	L	*	*

Note: "H" = High, "M" = Moderate, "L" = Low, "U" = Uncertain, and
"*"s identify conditions where functions and values are not evaluated

WET Answer Dataset for "rosel"

s1	-	n	6.2	-	n	12Be(w)	-	i	13Ba(d)	-	i
s2	-	n	7	-	i	12Be(d)	-	i	13Bb(x)	-	n
s3	-	n	8.1	-	y	12C(x)	-	n	13Bb(w)	-	i
s4	-	n	8.2	-	n	12C(w)	-	i	13Bb(d)	-	i
s5	-	n	8.3	-	y	12C(d)	-	i	13Bc(x)	-	n
s6	-	n	8.4	-	n	12Ca(x)	-	n	13Bc(w)	-	i
s7	-	n	9.1	-	n	12Ca(w)	-	i	13Bc(d)	-	i
s8	-	y	9.2	-	n	12Ca(d)	-	i	13Bd(x)	-	n
s9	-	y	9.3	-	n	12Cb(x)	-	n	13Bd(w)	-	i
s10	-	y	10A	-	n	12Cb(w)	-	i	13Bd(d)	-	i
s11	-	n	10B	-	y	12Cb(d)	-	i	13Be(x)	-	y
s12	-	n	10C	-	n	12Cc(x)	-	n	13Be(w)	-	i
s13	-	n	10D	-	n	12Cc(w)	-	i	13Be(d)	-	i
s14	-	n	10E	-	n	12Cc(d)	-	i	13C(x)	-	n
s15	-	n	10F	-	n	12Cd(x)	-	n	13C(w)	-	i
s16	-	n	11(x)	-	y	12Cd(w)	-	i	13C(d)	-	i
s17	-	n	11(w)	-	i	12Cd(d)	-	i	13Ca(x)	-	n
s18	-	n	11(d)	-	i	12D(x)	-	n	13Ca(w)	-	i
s19	-	n	12A(x)	-	y	12D(w)	-	i	13Ca(d)	-	i
s20	-	n	12A(w)	-	i	12D(d)	-	i	13Cb(x)	-	n
s21	-	n	12A(d)	-	i	12Da(x)	-	n	13Cb(w)	-	i
s22	-	y	12Aa(x)	-	n	12Da(w)	-	i	13Cb(d)	-	i
s23	-	n	12Aa(w)	-	i	12Da(d)	-	i	13Cc(x)	-	n
s24	-	n	12Aa(d)	-	i	12Db(x)	-	n	13Cc(w)	-	
s25	-	n	12Ab(x)	-	n	12Db(w)	-	i	13Cc(d)	-	
s26	-	n	12Ab(w)	-	i	12Db(d)	-	i	13Cd(x)	-	n
s27	-	n	12Ab(d)	-	i	12E(x)	-	n	13Cd(w)	-	i
s28	-	n	12Ac(x)	-	n	12E(w)	-	i	13Cd(d)	-	i
s29	-	n	12Ac(w)	-	i	12E(d)	-	i	13D(x)	-	y
s30	-	n	12Ac(d)	-	i	13A(x)	-	y	13D(w)	-	i
s31	-	y	12Ad(x)	-	n	13A(w)	-	i	13D(d)	-	i
1.1	-	n	12Ad(w)	-	i	13A(d)	-	i	13Da(x)	-	n
1.2	-	n	12Ad(d)	-	i	13Aa(x)	-	n	13Da(w)	-	i
1.3	-	n	12Ae(x)	-	y	13Aa(w)	-	i	13Da(d)	-	i
2.1.1	-	n	12Ae(w)	-	i	13Aa(d)	-	i	13Db(x)	-	y
2.1.2	-	n	12Ae(d)	-	i	13Ab(x)	-	n	13Db(w)	-	i
2.1.3	-	n	12B(x)	-	y	13Ab(w)	-	i	13Db(d)	-	i
2.2.1	-	n	12B(w)	-	i	13Ab(d)	-	i	13E(x)	-	n
2.2.2	-	n	12B(d)	-	i	13Ac(x)	-	n	13E(w)	-	i
3.1	-	y	12Ba(x)	-	n	13Ac(w)	-	i	13E(d)	-	i
3.2	-	n	12Ba(w)	-	i	13Ac(d)	-	i	14.1(x)	-	n
3.3	-	y	12Ba(d)	-	i	13Ad(x)	-	n	14.1(w)	-	i
4.1	-	n	12Bb(x)	-	n	13Ad(w)	-	i	14.1(d)	-	i
4.2A	-	y	12Bb(w)	-	i	13Ad(d)	-	i	14.2(x)	-	n
4.2B	-	n	12Bb(d)	-	i	13Ae(x)	-	y	14.2(w)	-	i
4.2C	-	n	12Bc(x)	-	n	13Ae(w)	-	i	14.2(d)	-	i
4.2D	-	n	12Bc(w)	-	i	13Ae(d)	-	i	15.1A	-	y
5.1.1	-	y	12Bc(d)	-	i	13B(x)	-	y	15.1B	-	n
5.1.2	-	n	12Bd(x)	-	n	13B(w)	-	i	15.1C	-	r
5.2	-	n	12Bd(w)	-	i	13B(d)	-	i	15.2	-	
blank	-	u	12Bd(d)	-	i	13Ba(x)	-	n	16A(x)	-	y
6.1	-	n	12Be(x)	-	y	13Ba(w)	-	i	16A(w)	-	i

WET Answer Dataset for "rosel"

16A(d) - i	31.3(x) - n	36.1.1(x) - y	43B(d) - i
16B(x) - n	31.3(w) - i	36.1.1(w) - i	43C(x) - n
16B(w) - i	31.3(d) - i	36.1.1(d) - i	43C(w) - i
16B(d) - i	31.4(x) - i	36.1.2(x) - n	43C(d) - i
16C(x) - n	31.4(w) - i	36.1.2(w) - i	43D(x) - y
16C(w) - i	31.4(d) - i	36.1.2(d) - i	43D(w) - i
16C(d) - i	31.5(x) - y	36.2.1(x) - y	43D(d) - i
17 - y	31.5(w) - i	36.2.1(w) - i	43E(x) - n
18 - n	31.5(d) - i	36.2.1(d) - i	43E(w) - i
19.1A - y	31.6A(x) - n	36.2.2(x) - n	43E(d) - i
19.1B - i	31.6A(w) - i	36.2.2(w) - i	43F(x) - n
19.2 - n	31.6A(d) - i	36.2.2(d) - i	43F(w) - i
19.3 - n	31.6B(x) - y	36.2.3(x) - n	43F(d) - i
20.1 - y	31.6B(w) - i	36.2.3(w) - i	43G(x) - n
20.2 - n	31.6B(d) - i	36.2.3(d) - i	43G(w) - i
21A - y	31.6C(x) - n	37 - y	43G(d) - i
21B - n	31.6C(w) - i	38.1 - y	43H(x) - n
21C - n	31.6C(d) - i	38.2 - n	43H(w) - i
21D - n	31.6D(x) - n	38.3 - n	43H(d) - i
21E - n	31.6D(w) - i	38.4 - n	43I(x) - n
22.1.1 - y	31.6D(d) - i	38.5 - n	43I(w) - i
22.1.2 - y	31.6E(x) - n	38.6 - n	43I(d) - i
22.2 - n	31.6E(w) - i	38.7 - y	44A(x) - n
22.3 - n	31.6E(d) - i	38.8 - i	44A(w) - i
23 - n	32A - n	39 - y	44A(d) - i
24.1 - i	32B - n	40.1 - y	44B(x) - y
24.2 - y	32C - y	40.2 - n	44B(w) - i
24.3 - n	32D - n	41.1 - n	44B(d) - i
24.4 - n	32E - n	41.2 - y	44C(x) - y
24.5 - n	32F - n	42.1.1(x) - y	44C(w) - i
25.1 - y	32G - n	42.1.1(w) - i	44C(d) - i
25.2A - n	32H - n	42.1.1(d) - i	44D(x) - y
25.2B - y	32I - n	42.1.2(x) - y	44D(w) - i
25.3 - n	32J - n	42.1.2(w) - i	44D(d) - i
26.1 - y	32K - n	42.1.2(d) - i	44E(x) - y
26.2 - n	33A - n	42.1.3(x) - n	44E(w) - i
26.3 - y	33B - n	42.1.3(w) - i	44E(d) - i
27.1 - y	33C - y	42.1.3(d) - i	44F(x) - y
27.2 - y	33D - n	42.2.1(x) - y	44F(w) - i
27.3 - n	33E - n	42.2.1(w) - i	44F(d) - i
28 - n	33F - n	42.2.1(d) - i	44G(x) - n
29.1 - y	33G - n	42.2.2(x) - y	44G(w) - i
29.2 - y	33H - n	42.2.2(w) - i	44G(d) - i
30(x) - n	33I - n	42.2.2(d) - i	44H(x) - n
30(w) - i	33J - n	42.2.3(x) - n	44H(w) - i
30(d) - i	33K - n	42.2.3(w) - i	44H(d) - i
31.1(x) - n	34.1 - n	42.2.3(d) - i	44I(x) - n
31.1(w) - i	34.2 - n	43A(x) - n	44I(w) - i
31.1(d) - i	34.3.1 - n	43A(w) - i	44I(d) - i
31.2(x) - n	34.3.2 - i	43A(d) - i	45A - n
31.2(w) - i	35.1 - n	43B(x) - n	45B - n
31.2(d) - i	35.2 - y	43B(w) - i	45C - n

WET Answer Dataset for "rosel"

45D - y	48B(w) - i	49.2(x) - y	55.3 - u
45E - n	48B(d) - i	49.2(w) - i	55.4 - u
45F - n	48C(x) - n	49.2(d) - i	56.1 - u
45G - n	48C(w) - i	49.3(x) - n	56.2 - u
46A(x) - n	48C(d) - i	49.3(w) - i	57.1 - u
46A(w) - i	48D(x) - n	49.3(d) - i	57.2 - u
46A(d) - i	48D(w) - i	50(x) - n	58 - u
46B(x) - y	48D(d) - i	50(w) - i	59.1 - u
46B(w) - i	48E(x) - n	50(d) - i	59.2 - u
46B(d) - i	48E(w) - i	51.1 - u	60 - u
46C(x) - n	48E(d) - i	51.2 - u	61 - u
46C(w) - i	48F(x) - n	52.1 - u	62 - u
46C(d) - i	48F(w) - i	52.2 - u	63.1 - u
47A - n	48F(d) - i	53.1 - u	63.2 - u
47B - y	49.1.1(x) - y	53.2 - u	64 - u
47C - n	49.1.1(w) - i	54(x) - u	CR - 1
48A(x) - y	49.1.1(d) - i	54(w) - u	1 - n
48A(w) - i	49.1.2(x) - y	54(d) - u	2 - n
48A(d) - i	49.1.2(w) - i	55.1 - u	3 - n
48B(x) - n	49.1.2(d) - i	55.2 - u	4 - n

**D-3 FIELD DATA, WELL SAMPLING WORKSHEETS
(METCALF & EDDY)**

- JUNE 1991
- SEPTEMBER/OCTOBER 1991
- JANUARY/FEBRUARY 1992
- APRIL 1992
- SEPTEMBER 1993

WELL SAMPLING WORKSHEETS - JUNE 1991

WELL SAMPLING WORKSHEET

Job Name Rose Hill RT/FS Job No. WA#18 Samplers D.H. Berler / S. Cbricri

Well ID MW-04 Date Sampled 6/26/91 Time: Start 14:10 End _____

Casing Diameter _____ inches + 12 = _____ (d)ft. Well secured upon arrival? (Y/N)

Depth of well from T.O.C. 19.30 ft.

Standing water (gal.) = .52

Depth of water from T.O.C. 13.66 ft.

x _____ well volumes

Feet of standing water 5.64 (h)ft.

= _____ gallons to purge

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{_____ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.0

Purging method Water Pump Purge: Time Start 14:17 End 14:34

	1 well volume =	2 well volume =	3 well volume =	Final volume =	gal.	pH	Conductivity	Temperature, (C)	Notes
	.75	.65	.6	.6	6.45	180	18.7	probe pH meter	
					6.63	190	18.7		brown, fine sand
					6.80	210	18.7	13°C	very lt. grey
					6.82	195	18.7	12°C	sandy

Sample Collection: Time Start 14:35 End _____ Bailer ID# _____

Final Aliquot

Sample Characteristics (Circle all applicable)

1620 210 14°C Temp probe on pH meter is broken. Thermometer

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red light grey

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae _____

Organic Layer? No Length? _____ Samples preserved? _____

Comments _____

CSe + line + screen do not exceed 4psi

WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 004609-0018-00-003 Samplers S.C. + S.O.

Well ID 1.5" MW5 Date Sampled 6/27/91 Time: Start 9:00 End 10:30

Casing Diameter _____ inches + 12 = _____ (d)ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. 28.85 ft. Standing water (gal.) = 63

Depth of water from T.O.C. 21.99 ft. x 3 well volumes

Feet of standing water 6.86 (h)ft. = 1.9 gallons to purge

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (6.86) \text{ ft} \times 7.48 \text{ gal/ft}^3 = 1092 \times 6.86 \end{aligned}$$

PID Readings (ppm)

Breathing _____

Well _____

Purging method Water Pump Purge: Time Start _____ End _____

	pH	Conductivity	Temperature, (C)
1 well volume = <u>0.65</u> gal.	<u>6.69</u>	<u>340</u>	<u>14</u>
2 well volume = <u>0.65</u> gal.	<u>6.55</u>	<u>4839</u>	<u>13.5</u>
3 well volume = <u>0.65</u> gal.	<u>6.53</u>	<u>38</u>	<u>13.5</u>
Final volume = _____ gal.	<u>7.11</u>	<u>140</u>	

Sample Collection: Time Start 0945 End 1030 Bailer ID# _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae _____

Organic Layer? _____ Length? _____ Samples preserved? _____

Comments clear w/ occasional volumes of turb slightly cloudy water

WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 001609-0018-010-003 Samplers SC + SC
 Well ID OW-27 Date Sampled 6/27/91 Time: Start 12:00 End 1:10
 Casing Diameter 1.5 inches + 12 = (d)ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. 17.60 ft. Standing water (gal.) = 0.1
 Depth of water from T.O.C. 16.46 ft. x 3 well volumes
 Feet of standing water 1.14 (h)ft. = 0.183 gallons to purge

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (1.14) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals} \end{aligned}$$

Handwritten: 0.92 x 1.14

PID Readings (ppm)

Breathing

Well

Purging method Water Pump Purge: Time Start 12:10 End 12:30

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>0.3</u>	<u>6.16</u>	<u>640</u>	<u>14</u>	
2 well volume = <u>0.3</u>	<u>6.10</u>	<u>640</u>	<u>14</u>	
3 well volume = <u>0.3</u>	<u>6.27</u>	<u>520</u>	<u>13</u>	
Final volume = <u>0.3</u>	<u>6.25</u>	<u>640</u>	<u>13</u>	
Final Sample Collection: Time Start <u>12:30</u> End <u>13:05</u>	<u>6.58</u>	<u>1305</u>	<u>810</u>	

Bailer ID# 1514

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
 Describe color: colorless black brown orange red
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 2010-003 Samplers SC & SC
 Well ID 1.5" CW 30 Date Sampled 6/27/11 Time: Start 2:50 End 3:25

Casing Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. 16.0 ft. Standing water (gal.) = .86
 Depth of water from T.O.C. 6.7 ft. x 3 well volumes
 Feet of standing water 9.3 (h) ft. = 2.6 gallons to purge

Standing Water Volume = $\pi [(d)^2 + 4] (h)$.092 x 9.3
 = $3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ }$ gals

PID Readings (ppm)

Breathing

Well

Purging method Water Pump Purge: Time Start 3:00 End 1515

	pH	Conductivity	Temperature, (C)
1 well volume = <u>0.9</u> gal. <u>6.64</u>	<u>575</u>	<u>15°C</u>	
2 well volume = <u>0.9</u> gal. <u>6.41</u>	<u>595</u>	<u>14.5°C</u>	
3 well volume = <u>0.9</u> gal. <u>6.53</u>	<u>599</u>	<u>14°C</u>	
Final volume = <u> </u> gal. <u>6.80</u>	<u>750</u>	<u>15</u>	

Sample Collection: Time Start 1530 End 1600 Bailer ID#

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
 Describe color: colorless black brown orange red
 Describe appearance: turbid ~~clear~~ sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

WELL SAMPLING WORKSHEET

Job Name Rose Hill RI Job No. 004609 Samplers DH. Berler / R. Gwin

Well ID OW25 Date Sampled 11-27-91 Time: Start 11:00 End

Casing Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. 36.73 ft. Standing water (gal.) = .13

Depth of water from T.O.C. 34.68 ft. x well volumes

Feet of standing water ~~7.48~~ (h) ft. = gallons to purge

2.05

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 = $3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{gals.}$

PID Readings (ppm)

Breathing

Well

Purging method Water Pump Purge: Time Start End

1 well volume = 0.2 gal. pH 6.64 Conductivity 5600 Temperature, (C) 22.5

2 well volume = gal.

3 well volume = gal.

Final volume = gal.

Sample Collection: Time Start End Bailer ID#

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 004604-COT-010-003 Samplers SC + POG

Well ID MW 02 Date Sampled 6/20/71 Time: Start 12:20^{PM} End 2:45

Casing Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. 29.96 ft. Standing water (gal.) = 0.92

Depth of water from T.O.C. 20.00 ft. x 3 well volumes

Feet of standing water 9.96 (h) ft. = 2.75 gallons to purge

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{gals}$

$9.96 \times 0.92 = 0.92$

PID Readings (ppm)

Breathing 0.0

Well 0.0

Purging method Bailer ^{125-l} reflon Purge: Time Start 12:25^{PM} End 13:40

	pH	Conductivity	Temperature, (C)
1 well volume = <u>.7</u> gal.	<u>6.33</u>	<u>260</u>	<u>16</u>
2 well volume = <u>.7</u> gal.	<u>6.36</u>	<u>300</u>	<u>14</u>
3 well volume = <u>.7</u> gal.	<u>6.34</u>	<u>280</u>	<u>15</u>
Final volume = <u> </u> gal.	<u>6.30</u>	<u>260</u>	<u>14.5</u>

Sample Collection: Time Start 13:45 End 14:45 Bailer ID#

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red turned orange later

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae micro-silt

Organic Layer? No Length? Samples preserved?

Comments

WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 004605 ⁰⁰⁸⁰¹⁰⁰⁰ Samplers POG + SC

Well ID MW-01 Date Sampled 6/20/91 Time: Start 0840 End

Casing Diameter 1.50 inches + 12 = (d) ft. Well secured upon arrival? YES ^{not covered}

Depth of well from T.O.C. 26.65 ft. Standing water (gal.) = 1.5

Depth of water from T.O.C. 10.34 ft. x 3 well volumes

Feet of standing water 16.32 (h) ft. = 4.5 gallons to purge

PID Readings (ppm)

Breathing 0.0

Well 0.0

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d^2 + 4) (h)] \\ &= 3.14 [(1.5^2 + 4) (16.32 \text{ ft})] \times 7.48 \text{ gal/ft}^3 = 1.5 \text{ gal/purge} \end{aligned}$$

Purging method Bailer (12" gal) Purge: Time Start 0850 End

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>1.5</u>	<u>6.13</u>	<u>6.13</u>	<u>21</u>	<u>11.0</u>

2 well volume = <u>3.0</u>	<u>6.48</u>	<u>21</u>	<u>10.5</u>
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3 well volume = <u>4.5</u>	<u>6.14</u>	<u>20</u>	<u>10.8</u>
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Final volume = <u>after Sample</u>	<u>6.13</u>	<u>21</u>	<u>12.5</u>
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Sample Collection: Time Start 1000 End 10:45 Bailer ID# Dedicated

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved? yes

Comments First bailer full is clear, no apparent odor

THIS Well is BAILED + SAMPLED w/ Bailer from

WELL SAMPLING WORKSHEET

Job Name Rock Hill Job No. WA #18 Samplers Slogozinski / Gar

Well ID YMW 03 Date Sampled 6/26/91 Time: Start 9:15 End 12:05

Casing Diameter _____ inches + 12 = _____ (d) ft. Well secured upon arrival? ☒ Y ☐ N

Depth of well from T.O.C. 19.65 ft.

Standing water (gal.) = _____

Depth of water from T.O.C. 11.8 ft.

x 0.72 well volumes

Feet of standing water 7.85 (h) ft.

= 2.16 gallons to purge

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \underline{2.16} \text{ gals} \end{aligned}$$

PID Readings (ppm)

Breathing _____

Well _____

Purging method Water Pump Purge: Time Start 9:30 End 9:55

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>.75</u>	<u>6.54</u>	<u>40</u>	<u>13</u>	
2 well volume = <u>.75</u>	<u>7.48</u>	<u>22</u>	<u>12</u>	
3 well volume = <u>.75</u>	<u>7.44</u>	<u>30</u>	<u>13</u>	
Final volume = <u>.75</u>	<u>7.30</u>	<u>45</u>	<u>13</u>	
<u>.75</u>	<u>6.94</u>	<u>51</u>	<u>11</u>	

Sample Collection: Time Start 10:00 End 12:00 Bailer ID# 14

AFTER SAMPLING

Sample Characteristics (Circle all applicable)

Describe odor: ☒ none ☐ sulfide ☐ fishy ☐ musty ☐ petroleum _____

Describe color: ☐ colorless ☐ black ☒ brown ☐ orange ☐ red _____

Describe appearance: ☐ turbid ☒ silty ☐ sand ☐ clay ☐ floaters ☐ sheen
☐ clear ☐ multiphased ☐ foaming ☐ slimy ☐ algae _____

Organic Layer? No Length? _____ Samples preserved? _____

Comments _____

WELL SAMPLING WORKSHEETS - SEPTEMBER/OCTOBER 1991

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers Darb U.Y./Kris A./Jim F.
 Well ID MW-01-01 Date Sampled 10/1/91 Time: Start 0815 End
 Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? ON
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 5.6 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 19.7 ft.
 Feet of standing water 2.4 (h) ft. Standing water (gal.) = 142.4

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$$

PID Readings (ppm)

Breathing 0.2

Well 0.2

PURGE H₂O = 11'0"

Purging method BAILER Purge: Time Start 1040 End 11'0

		(5.93) pH	(145) Conductivity	Temperature, (C)
1 well volume =	<u>2.4</u> gal.	<u>5.47</u>	<u>180</u>	<u>25.0 NM</u>
2 well volume =	<u>4.8</u> gal.	<u>5.66</u>	<u>185</u>	<u>NM</u>
3 well volume =	<u>9.6</u> gal.	<u>5.91</u>	<u>185</u>	
Final =	<u>6.21</u>	<u>2.00</u>	<u>NM</u>	

Final water level = 5.9 (from T.O. PVC)

Sample Collection: Time Start 11:15 End 11:53

Sampling method BAIL Bailer Type Teflon

PURGE

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

brtwn

Organic Layer? No Length? Samples preserved? Y - HCL
 Comments Smp - d-met-COLORLESS for VOAS
Smp - other - Silty/bry

Refer to page of the corresponding field log book.

revised
9/16/91

N M - Not Measured

Job Name ROSE HILL Job No. 004609-0018 Samplers BARB WY/Kris A./Jim F.
 Well ID MW-01-02 Date Sampled 10/1/91 Time: Start 0815 End 0945
 Well Diameter 6 inches + 12 = 18 (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 6.0 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 81.0 ft.
 Feet of standing water 75 (h) ft. Standing water (gal.) = 3110

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{gals.}$$

PID Readings (ppm)

Breathing 0.0Well 0.0Background 10/2/91 - 2.0-2.5
Well - " "

Purging method Submersible Purge: Time Start 0908 End 1645
 Sampled 10/2/91

	Volume (gal.)	pH	Conductivity (µS)	Temperature (C)
1 well volume =	<u>110</u>	<u>7.76</u>	<u>160</u>	<u>12°C</u>
2 well volume =	<u>220</u>	<u>5.3</u>	<u>110</u>	<u>10°C</u>
3 well volume =	<u>330</u>	<u>7.1</u>	<u>110</u>	<u>10°C</u>

Final water level = ~21' / 6' on 10/2/91 (from T.O. PVC)
 Sample Collection: Time Start 710 End 750

Sampling method Bailer, Filter for meta's Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheenclear multiphased foaming slimy algaelt. brown to clearinitial silty, then clearOrganic Layer? NO Length? — Samples preserved? —Comments Background PID Readings 2.0-2.5 ppm 7" 10/2/91SULFIDE SAMPLE REQUIRED AT 0945 (MISSED THE 60725)Refer to page — of the corresponding field log book.revised
9/16/91

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arena + J. Fenstermecher

Well ID MW-03-01 Date Sampled 10/2/91 Time: Start 12:15 End 16:00

Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 2.8 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 14.6 (14.6) ft.

Feet of standing water 12.8 (h) ft. Standing water (gal.) = 221

$$\begin{aligned}\text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(14)^2 + 4] (12.8) \times 7.48 \text{ gal/ft}^3 = \text{_____ gals.}\end{aligned}$$

PID Readings (ppm)

Breathing 1.6 (1.26)

Well 14.6

Purging method BAILING Purge: Time Start 12:25 End 14:30

		(6.35) pH	(450) Conductivity	Temperature, (C)	Time
1 well volume =	<u>2.1</u> gal.	<u>5.98</u>	<u>340</u>	<u>13°</u>	<u>12:32</u>
2 well volume =	<u>4.2</u> gal.	<u>7.15</u>	<u>400</u>	<u>13°</u>	<u>14:35</u>
3 well volume =	<u>6.3</u> gal.	<u>7.29</u>	<u>540</u>	<u>13°</u>	<u>14:21</u>
Final =		<u>6.70</u>	<u>440</u>	<u>12°</u>	<u>16:10</u>

Final water level = 2.75 (from T.O. PVC)

Sample Collection: Time Start 12:25 15:30 End 16:00

Sampling method BAILER Bailer Type _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Organic Layer? X Length? X Samples preserved? ICE

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arenat J. Feathermather
Well ID MW-03-02 Date Sampled 10/2/91 Time: Start 12³⁰ End 1⁵³⁰
Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 1.8 ft.
Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 47.7 ft.
Feet of standing water 45.9 (h) ft. Standing water (gal.) = 7.3 (7.5)

Well _____

revised
9/16/91

$$n! \quad n! \quad n! \quad + \text{ Measured}$$

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arena J. Feustelman
 Well ID MW-03-03 Date Sampled 10/2/91 Time: Start 1140 End 1600
 Well Diameter 6 inches + 12 = 18 (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. N.M. ft. Depth of water from TOP OF CASING 2.0 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 143.4 ft.
 Feet of standing water 141.4 (h) ft. Standing water (gal.) = 207

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{---} ft)^2 + 4] (\text{---} ft) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}$

PID Readings (ppm) 10/3/91
 Breathing 0 Open
 Well 1.9 ppm

Purging method Submersible pump Purge: Time Start 11:22 End ---

		(6.95) pH	(150) Conductivity	Temperature, (C)
1 well volume =	<u>207</u> gal.	<u>6.34</u>	<u>140</u>	<u>N/M.</u>
2 well volume =	<u>414</u> gal.	<u>6.90</u>	<u>140</u>	<u>11°C</u>
3 well volume =	<u>621</u> gal.	<u>7.50</u>	<u>140</u>	<u>12°C</u>
	<u>A. Masoff</u> <u>10/3/91</u> Final =	<u>(9.14)</u>	<u>120</u>	<u>13.2</u>

Final water level = --- (from T.O. PVC) 730
 Sample Collection: Time Start 11:20 End 830

Sampling method Submersible pump Bailer Type ---

Sample Characteristics (Circle all applicable)

Describe odor: (none) sulfide fishy musty petroleum ---

Describe color: (colorless) black brown orange red ---

Describe appearance: turbid silty sand clay floaters sheen ---

(clear) multiphased foaming slimy algae ---

Organic Layer? NO Length? --- Samples preserved? ---

Comments Sample taken day after purging - 10/3/91
Duplicate sample collected here 730

Refer to page 35-39 of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arena + J. Fenstermaker

Well ID MW-04-01 Date Sampled 10/3/91 Time: Start _____ End _____

Well Diameter 2 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 4.39 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 15.05 ft.
(15.0)

Feet of standing water 10.61 (h) ft. Standing water (gal.) = 1.9

Standing Water
Volume = $\pi [(d)^2 + 4] (h)$
= $3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{_____} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.0

Purging method Bailing Purge: Time Start 11:36 End _____

	(6.44) pH (230)	Conductivity	Temperature, (C)
1 well volume = <u>1.9</u> gal.	<u>6.85</u>	<u>395</u>	<u>14.5</u>
2 well volume = <u>3.6</u> gal.	<u>6.58</u>	<u>300</u>	<u>15.2</u>
3 well volume = <u>5.4</u> gal.	<u>7.10</u>	<u>300</u>	<u>14.8</u>
Final = <u>6.90</u>	<u>290</u>	<u>15.2</u>	

Final water level = 4.50 (from T.O. PVC)

Sample Collection: Time Start 13:40 End 2 14:10

Sampling method Bailer Bailer Type _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Organic Layer? X Length? X Samples preserved? ICE

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

N. M. - NOT MEASURED

MONITORING WELL SAMPLING FORM

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arena J. Fenstermacher

II ID MW-04-02 Date Sampled 10/3/91 Time: Start _____ End _____

Well Diameter 2 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 4.28 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 31.98 ft. 171

Feet of standing water 27.70 (h) ft. Standing water (gal.) = 4.6

2" well

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{_____} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 1.9

Purging method Bailing Purge: Time Start 11:40 End 12:15

		(6.81) pH	(850) Conductivity	Temperature, (C)
1 well volume =	<u>4.6</u> gal.	<u>6.91</u>	<u>860</u>	<u>13.1</u>
2 well volume =	<u>9.2</u> gal.	<u>6.79</u>	<u>980</u>	<u>12.0</u>
3 well volume =	<u>13.8</u> gal.	<u>7.07</u>	<u>960</u>	<u>12.1</u>
	Final =	<u>2.22</u>	<u>1000</u>	<u>12.4</u>

Final water level = 4.35 (from T.O. PVC)

Sample Collection: Time Start 12:30 End 12:49

Sampling method Bailer Bailer Type _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae _____

Organic Layer? N/O Length? _____ Samples preserved? _____

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

N. M - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-0018 Samplers K. Arena / J. Fenstermaker
 Well ID MW-04-03 Date Sampled 10/7/91 Time: Start 11⁰² End 11³⁰
 Well Diameter 6 inches + 12 = 18 (d) ft. Well secured upon arrival? Y/N (89.9' on 10/7/91)
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 6.6 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 140 (140) ft.
 Feet of standing water 133.4 (h) ft. Standing water (gal.) = 195

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(18)^2 + 4] (133.4) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.0

Pump off: 11:44
 Pump on: 12:15

Purging method Submersible Purge Date 10/3/91 Purge: Time Start 11:09 End 12:15

	195 (did 179) gal.	(9.21) pH	(220) Conductivity	Temperature, (C)
1 well volume =				
2 well volume =	390 gal.			
3 well volume =	585 gal.			
10/7/91 before sampling	7.5 gal	7.05	370	12.4
Final =		7.55	340	11.4

Final water level = 95.12 (from T.O. PVC)

Sample Collection: Time Start 11⁰² End 11³⁰

Sampling method BAILER Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum NONE

Describe color: colorless black brown orange red gray

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae very slightly silty

Organic Layer? Length? Samples preserved?

Comments The Well did not recharge well - only volume of 179 gallons purged
purged another 5' of water (37.5 gallons) on 10/7/91

Refer to page 40-44 of the corresponding field log book.

revised
9/16/91

N.M. - Not Measured

Job Name ROSE HILL Job No. 004609-0018 Samplers H. Arena, J. FenstermakerWell ID MW-06-01 Date Sampled 10/4/91 Time: Start 10⁴⁵ End 11¹⁰Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? Y/NDepth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 4.8 ft.Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 20.3 ft.
(20.3)Feet of standing water 15.5 (h) ft. Standing water (gal.) = 2.5

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) \\ = 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$$

PID Readings (ppm)

Breathing 0.0Well 3.0Purging method Bailer Purge: Time Start 10²⁰ End 10⁴⁰

		(6.83) pH	(540) Conductivity	Temperature, (C)
1 well volume =	<u>2.5</u> gal.	<u>6.85</u>	<u>220</u>	<u>18.4</u>
2 well volume =	<u>5.0</u> gal.	<u>6.41</u>	<u>200</u>	<u>18.7</u>
3 well volume =	<u>7.5</u> gal.	<u>6.90</u>	<u>230</u>	<u>18.2</u>
Final =	<u>6.26</u>	<u>210</u>	<u>19.4</u>	

Final water level = 5.7 (from T.O. PVC)Sample Collection: Time Start 10⁴⁵ End 11¹⁰Sampling method Bailer Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

sulfide

Describe color: colorless black brown orange red

grayishDescribe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

vaguely siltyOrganic Layer? NO Length? Samples preserved?
 Comments

Refer to page of the corresponding field log book.revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSEHILL Job No. 004609-0018 Samplers K. Aron + J. Fenstermacher

Well ID MW-06-02 Date Sampled 10/4/91 Time: Start 2015 End 1140

Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 5.28 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 34.10 ft.
(34.1)

Feet of standing water ~~28.90~~ ^{KA} (h) ft. Standing water (gal.) = 4.7
28.92 or 29.0

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
= $3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.2

Purging method Bailer Purge: Time Start 1015 End 1120

		(7.22) pH	(610) Conductivity	Temperature, (C)
1 well volume =	<u>4.7</u> gal.	<u>7.0</u>	<u>1600</u>	<u>13.4</u>
2 well volume =	<u>9.7</u> gal.	<u>7.00</u>	<u>1600</u>	<u>13.9</u>
3 well volume =	<u>14.2</u> gal.	<u>6.94</u>	<u>1500</u>	<u>14.0</u>
Final =	<u>7.0</u>	<u>1600</u>		

Final water level = 5.6 (from T.O. PVC)

Sample Collection: Time Start 1130 End 1140

Sampling method Bailing Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

sulfide
light
gray

slightly
silty-turbid

Organic Layer? Length? Samples preserved?

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 001609-0018 Samplers J. Fenstermacher / K. Arc.
 Well ID MW-08-02 Date Sampled 10/7/91 Time: Start 14:15 End 15:45
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 7.66 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 27.9 ft.
 Feet of standing water 20.3 (h) ft. Standing water (gal.) = (27.8)

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(14)^2 + 4] (20.3) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 3.5 ppm

Purging method Ball Purge: Time Start 14:30 End 15:30

	(9.61) pH	(300) Conductivity	Temperature, (C)
1 well volume = <u>3.3</u> gal.	<u>10.35</u>	<u>510</u>	<u>17</u>
2 well volume = <u>9.8</u> gal.	<u>9.81</u>	<u>240</u>	<u>17</u>
3 well volume = <u>16.3</u> gal.	<u>9.16</u>	<u>230</u>	<u>17</u>
Final = <u>8.47</u>	<u>210</u>	<u>17</u>	

Final water level = 7.65 (from T.O. PVC)

Sample Collection: Time Start 15:30 End 15:45

Sampling method BAILER Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? X Length? X Samples preserved? ICE

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

N M - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 001609-0018 Samplers K. ARENA / J. FENSTERMAKER
 Well ID MW-CG-01 Date Sampled 10/7/91 Time: Start 14:15 End 15:30
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 5.66 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 15.26 ft.
 Feet of standing water 9.6 (h) ft. Standing water (gal.) = (25-3)

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(14 \text{ ft})^2 + 4] (9.6 \text{ ft}) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 15.2

Purging method BAIL Purge: Time Start 14:30 End 14:56

	(8.1) pH	(80) Conductivity	Temperature, (C)
1 well volume = <u>6.6</u> gal.	<u>6.56</u>	<u>160</u>	<u>17</u>
2 well volume = <u>4.9</u> gal.	<u>6.71</u>	<u>160</u>	<u>17</u>
3 well volume = <u>8.2</u> gal.	<u>7.10</u>	<u>170</u>	<u>16.5</u>
Final =	<u>7.10</u>	<u>170</u>	<u>16.0</u>

Final water level = 6.85 (from T.O. PVC)

Sample Collection: Time Start 14:56 End 15:20

Sampling method BAIL Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

① INITIAL
② FINAL

① INITIAL
② FINAL

Organic Layer? X Length? X Samples preserved? ICE

Comments Bailers started deep orange color. 3 well
volumes it then turned clear. Samples were
clear

Refer to page of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 00109-0018 Samplers K. Arena + J. Fenstermaker
 Well ID MW-12-01 Date Sampled 10/8/91 Time: Start 7⁵⁰ End _____
 Well Diameter 2 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 2.02 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 19.7 ft.
 Feet of standing water 17.68 (h) ft. Standing water (gal.) = 2.288 ^(19.7)

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.0

Purging method Bailer Purge: Time Start 7⁵⁰ End _____

		(6.01) pH	(320) Conductivity	Temperature, (C)
1 well volume =	<u>2.8</u> gal.	<u>7.2</u>	<u>120</u>	<u>11.5</u>
2 well volume =	<u>5.6</u> gal.	<u>6.08</u>	<u>130</u>	<u>10.5</u>
3 well volume =	<u>8.4</u> gal.	<u>5.96</u>	<u>120</u>	<u>11.2</u>
	Final =	<u>6.09</u>	<u>120</u>	<u>10.6</u>

Final water level = 2.88 (from T.O. PVC)

Sample Collection: Time Start 8¹⁵ End 8⁴²

Sampling method Bailer Bailer Type _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum sulfide

Describe color: colorless black brown orange red orange

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? _____ Length? _____ Samples preserved? YES

Comments Noted sheen (clumpy) on water surface after bucket was poured out on ground after purging

Refer to page 47 of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 00109-0018 Samplers K. Aronow + J. Fenstermacher
 Well ID MW-12-02 Date Sampled 10/8/91 Time: Start 850 End 920
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 2.78 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 45.2 ft.
 Feet of standing water 42.42 (h) ft. Standing water (gal.) = ~~42.42~~ 7.0

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(14)^2 + 4] (42.42) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0.0Well 0.0Purging method Bailer Purge: Time Start 750 End

		(6.4) pH	(140) Conductivity	Temperature, (C)
1 well volume =	<u>7.0</u> gal.	<u>6.06</u>	<u>380</u>	<u>12.2</u>
2 well volume =	<u>14.0</u> gal.	<u>5.8</u>	<u>400</u>	<u>11.8</u>
3 well volume =	<u>21.0</u> gal.	<u>5.85</u>	<u>440</u>	<u>11.7</u>
Final =	<u>6.54</u>	<u>420</u>	<u>13.0</u>	

Final water level = 2.02 (from T.O. PVC)Sample Collection: Time Start 850 End 920Sampling method Bailer Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum SulfideDescribe color: colorless black brown orange red GRAYDescribe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae SILTYOrganic Layer? Length? Samples preserved? YES - vials at siteComments Sample Duplicate taken from this well
MW-12-02 - FD-319-2Refer to page 47 of the corresponding field log book.revised
9/16/91

N.M. - NOT MEASURED

Jim

Standing
Water
Volume = $\pi [(d)^2 + 4] (h)$
= $3.14 [(\text{--- ft})^2 + 4] (\text{--- ft}) \times 7.48 \text{ gal/ft}^3 = \text{--- gals.}$

Well 7.4 ppm

revised
8/16/91

N M - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

SENW

Job Name ROSE HILL Job No. 00109-0018 Samplers K. Arena, J. Feastermacker, S. O'Brien
 Well ID MW-13-02 Date Sampled 10/8/91 Time: Start 12:00 End 12:30
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 9.17 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 29.9 ft.
 Feet of standing water 17.73 (h) ft. Standing water (gal.) = 17.73 (29.9) 2.9

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(14)^2 + 4] (17.73) \times 7.48 \text{ gal/ft}^3 = \text{_____ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0.0

Well 11.7

Purging method BAILER Purge: Time Start 11:25 End 12:00

	(6.36) pH	(295) Conductivity	Temperature, (C)
1 well volume = <u>2.9</u> gal.	<u>6.4</u>	<u>290</u>	<u>11.3</u>
2 well volume = <u>5.8</u> gal.	<u>6.82</u>	<u>340</u>	<u>11.1</u>
3 well volume = <u>8.7</u> gal.	<u>6.87</u>	<u>335</u>	<u>10.6</u>
Final =	<u>6.43</u>	<u>330</u>	<u>11.0</u>

Final water level = 9.20 (from T.O. PVC)

Sample Collection: Time Start 12:00 End 12:15

Sampling method BAILER Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum NONE

Describe color: colorless black brown orange red gray

Describe appearance: turbid silty sand clay floaters sheen turbid to silty
 clear multiphased foaming slimy algae

Organic Layer? X Length? X Samples preserved? _____

Comments _____

Refer to page 48 of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSEHILL Job No. 001109-0018 Samplers BA+JF

Well ID MW-14-01 Date Sampled 10/1/91 Time: Start 1530 End 1600

Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft.

Depth of water from T.O. PVC 27.7 ft.

Depth of water from T.O.C. N.M. ft.

Depth of well from T.O. PVC 34.8 ft.
(34.8)

Feet of standing water 7.0 (h) ft.

Standing water (gal.) = 1.1

$$\begin{aligned}\text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(2)^2 + 4] (7.0) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}\end{aligned}$$

PID Readings (ppm)

Breathing 0 ppm

Well 7.5 ppm

Purging method BAILER Purge: Time Start 1505 End 1530

	(7.3) pH	(1800) Conductivity	Temperature, (C)
1 well volume = <u>1.1</u> gal.	<u>5.9</u>	<u>2200</u>	<u>14.0</u>
2 well volume = <u>2.2</u> gal.	<u>6.1</u>	<u>2200</u>	<u>13.0</u>
3 well volume = <u>3.4</u> gal.	<u>6.1</u>	<u>2100</u>	<u>13.6</u>
Final = <u>6.3</u>	<u>2150</u>	<u>13.0</u>	

Final water level = (from T.O. PVC)

Sample Collection: Time Start 1530 End 1600

Sampling method Bailer Bailer Type TEFLON

Sample Characteristics (Circle all applicable)

Describe odor: (none) sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: (turbid) (silty) sand clay floaters sheen

clear multiphased foaming slimy algae

Garbage-landfill
Grey/GREEN TIL

Organic Layer? NO Length? Samples preserved?

Comments UPON FILTRATION UNDER N₂ - SMP
FOAMS UP.

Refer to page 34 of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 004609-0018 Samplers LB, SP & SC

Well ID MW-02-01 Date Sampled 10/8/11 Time: Start 1122hrs End 1305hr

Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? ☒ YN

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 23.9 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 35.8 ft.
(35.6)

Feet of standing water 11.9 (h) ft. Standing water (gal.) =

Job Name ROSEHILL Job No. 004609-0018 Samplers LB, SP, & SC
 Well ID MW-02-02 Date Sampled 10/8/91 Time: Start 1122 hrs End 1240
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 23.55 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 71.2 ft.
 (70.27)
 Feet of standing water 47 65 5 (h) ft. Standing water (gal.) =

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(14)^2 + 4] (47.655) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$

PID Readings (ppm)

Breathing 0Well 0

Purging method 2" Bailers Purge: Time Start 1140 hrs End 1300 hrs

	Volume (gal.)	pH (160)	Conductivity (160)	Temperature (C)
1 well volume = <u>7.7</u>	<u>gal.</u>	<u>6.12</u>	<u>95</u>	<u>11°</u>
2 well volume = <u>15.4</u>	<u>gal.</u>	<u>8.45</u>	<u>120</u>	<u>10°</u>
3 well volume = <u>23.1</u>	<u>gal.</u>	<u>7.58</u>	<u>80</u>	<u>10°</u>
<u>20.8</u>	<u>gal.</u>	<u>7.26</u>	<u>80</u>	<u>10°</u>
Final water level = <u>23.6</u>	(from T.O. PVC)	<u>6.52</u>	<u>80</u>	<u>10°</u>

Sample Collection: Time Start 1310 hrs End 1325

Sampling method Bailers Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? None Length? — Samples preserved? ✓

Comments MWFLDQC-10-08-E-294-2

Use Bailers from Egbank 294

NMW-02-02-AIX-G-184-2

Refer to page of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 004609-0018 Samplers LB & SC
 Well ID MW-05-01 Date Sampled 10/7/91 Time: Start 12:35 End
 Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 6.45 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 17.95 ft.
 Feet of standing water 11.5 (h) ft. Standing water (gal.) = 1.9 ^(18.7)

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(2)^2 + 4] (11.5) \times 7.48 \text{ gal/ft}^3 = 1.9 \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Bailer - 2" Purge: Time Start 12:40 End 1301

	(6.11) pH	(65) Conductivity	Temperature, (C)
1 well volume = <u>2</u> gal.	<u>5.35</u>	<u>77</u>	<u>10</u> SC no readings taken
2 well volume = <u>2</u> gal.	<u>5.35</u>	<u>77</u>	<u>10</u>
3 well volume = <u>2</u> gal.	<u>5.95</u>	<u>74</u>	<u>10</u>
4 well vol = <u>2</u> gal.	<u>5.98</u>	<u>73</u>	<u>10</u>
Final = <u>6.20</u>	<u>72</u>	<u>10</u>	

Final water level = 6.5 (from T.O. PVC)

Sample Collection: Time Start 1305 End 13:24

Sampling method Bailer 2" Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black tan brown orange red tan

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved? Yes

Comments

20, 21 2 pictures

Refer to page of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-0018 Samplers LB + SC

Well ID MW-05-02 Date Sampled 10-7-91 Time: Start 1150 hrs End 1430

Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 6.75 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 28.25 ft.
(29.2)

Feet of standing water 22.1 (h) ft. Standing water (gal.) = 3.6

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(14)^2 + 4] (22.1) \times 7.48 \text{ gal/ft}^3 = 3.6 \text{ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

LEL = 2 Background in Well

1331 hrs

Purging method Bailer Purge: Time Start 1331 hrs End 1348 hrs

	(3.6)	(6.3)	pH (75)	Conductivity	Temperature, (C)
1 well volume =	<u>3.6</u> gal.	<u>10.61</u>		<u>84</u>	<u>11°</u>
2 well volume =	<u>7.2</u> gal.	<u>6.50</u>		<u>81</u>	<u>10°</u>
3 well volume =	<u>10.8</u> gal.	<u>6.10</u>		<u>82</u>	<u>9°</u>
Final =	<u>6.25</u>			<u>84</u>	<u>11°</u>

Final water level = 6.75 (from T.O. PVC)

Sample Collection: Time Start 1350 hrs End 1420 hrs

Sampling method Bailer Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red tan

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? NONE Length? — Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

N M - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004109-0018 Samplers LB + SC
 Well ID MW-07-01 Date Sampled 10/4/91 Time: Start 1340 hrs End 1450 hrs
 Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 20.1 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 33.15 ft.
 Feet of standing water 13.05 (h) ft. Standing water (gal.) =
 (34.3)

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ } \text{ft} \text{ })^2 + 4] (\text{ } \text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method 2" Bailers Purge: Time Start 1350 hrs End 1611 hrs

	(600) pH	(850) Conductivity	Temperature, (C)
1 well volume = <u>2</u> gal.	<u>7.50</u>	<u>640</u>	<u>14°</u>
2 well volume = <u>4</u> gal.	<u>6.35</u>	<u>625</u>	<u>13°</u>
3 well volume = <u>6</u> gal.	<u>6.32</u>	<u>595</u>	<u>13°</u>
Final =	<u>6.35</u>	<u>590</u>	<u>13°</u>

Final water level = 20.0 (from T.O. PVC)

Sample Collection: Time Start 1415 hrs End 1430 hrs

Sampling method Bailers Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black-grey brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved? ✓

Comments

Refer to page of the corresponding field log book.

revised
8/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. CG-1109-0018 Samplers LB + SC

Well ID MW-07-02 Date Sampled 10/4/91 Time: Start 1300 hrs End _____

Well Diameter 4 inches + 12 = _____ (d) ft. Well secured upon arrival? (Y)N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 22.1 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 72.35 ft.
(73.0)

Feet of standing water 50.25 (h) ft. Standing water (gal.) = _____

$$\begin{aligned}\text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}\end{aligned}$$

PID Readings (ppm)

Breathing 0

Well initially 31.0 ppm

steady @ 5 ppm

LEL = 0

Purging method Brainard- Purge: Time Start 1515 hrs End _____

Kilman Pump

1 well volume = 32.6 33 gal. (12.1) pH (8200) Conductivity 3600 Temperature, (C) 12°

2 well volume = _____ gal. _____

3 well volume = _____ gal. _____

Final = _____

Final water level = _____ (from T.O. PVC)

Sample Collection: Time Start _____ End _____

Sampling method _____ Bailer Type _____

1/2 into next well volume, well ran dry.
Stopped Effort
→ see 10/7 NMW-07 sheet

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Organic Layer? _____ Length? _____ Samples preserved? _____

Comments _____

Refer to page (very last of this book) of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 00109-0018 Samplers LB+KA

Well ID MW-09-01 Date Sampled 10/9/91 Time: Start 0730 End 0930

Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC ~~18.1~~ 17.5 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 35.3 ft.
(35.3)

Feet of standing water 17.8 (h) ft. Standing water (gal.) =

$$\begin{aligned}\text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gal.}\end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Bailer Purge: Time Start 0755 hrs End 0812 hrs

		(8.1) pH	(80) Conductivity	Temperature, (C)	
1 well volume =	<u>3</u> gal.	<u>8.10</u>	<u>280</u>	<u>8°</u>	Low Bat
2 well volume =	<u>6</u> gal.	<u>7.17</u>	<u>130</u>	<u>8.5°</u>	
3 well volume =	<u>0</u> gal.	<u>6.65</u>	<u>120</u>	<u>8.5°</u>	
Final =	<u>6.16</u>	<u>90</u>	<u>9°</u>		

Final water level = 17.5 (from T.O. PVC)

Sample Collection: Time Start 0815 hrs End 0920 hrs

Sampling method Bailer Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red tan

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved? ✓

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. CG1109-0018 Samplers LB SC & SP
 Well ID MW-10-01 Date Sampled 10/8/91 Time: Start 1430 End 1545
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 8.5 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 37.5 ft.
 Feet of standing water 29 (h) ft. Standing water (gal.) = (37.6)

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(14)^2 + 4] (29) \times 7.48 \text{ gal/ft}^3 = \text{gals.}$$

PID Readings (ppm) 0 CG1=0
 Breathing 0

Well 300 = max
 was properly calibrated
 100 - 107
 low battery signal on

Purging method Bailes Purge: Time Start 1500 End 1520

	1 well volume =	2 well volume =	3 well volume =	Final =	(6.24) pH	(75) Conductivity	Temperature, (C)
	<u>4.7</u> gal.	<u>9.4</u> gal.	<u>14.1</u> gal.	<u>7.95</u>	<u>8.80</u>	<u>115</u>	<u>10°</u>
			<u>18.8</u>	<u>6.6</u>	<u>8.38</u>	<u>150</u>	<u>10°</u>
					<u>8.06</u>	<u>50</u>	<u>11°</u>
						<u>50</u>	<u>10°</u>
						<u>50</u>	<u>10°</u>

Final water level = 8.55 (from T.O. PVC)

Sample Collection: Time Start 1530 End 1545

Sampling method Bailes Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? None Length? — Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
 9/16/91

N M. - NOT MEASURED

Standing
Water
Volume = $\pi [(d)^2 + 4] (h)$
= $3.14 [(\text{--- } ft)^2 + 4] (\text{--- } ft) \times 7.48 \text{ gal/ft}^3 = \text{--- } \text{gals.}$

Well 0

		(6.47) pH	(6.68) Conductivity	Temperature, (C)
1 well volume =	2.3 gal.	6.50	110	—
2 well volume =	4.6 gal.	6.44	105	—
3 well volume =	6.9 gal.	6.37	100	—
	Final =	6.60	100	—

Sampling method bailes Bailer Type 2"

Describe odor: none sulfide fishy musty petroleum is

Describe color: colorless black brown orange red

Describe appearance: turbid ^{very fine} silty sand clay floaters sheen

clear multiphased foaming slimy algae

Comments _____

revised
8/16/91

N.M. - NOT MEASURED

Job Name ROSE HILL Job No. 00109-0018 Samplers LB & SC
 Well ID MW-11-02 Date Sampled 10/15/91 Time: Start 0855 hrs End 0955 hrs
 Well Diameter 2 inches $\div 12 =$ 0.17 ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 7.1 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 44.7 ft.
 Feet of standing water 37.6 (n) ft. Standing water (gal.) = (45.17)

$$\text{Standing Water Volume} = \pi [(d)^2 \div 4] (h) = 3.14 [(0.17)^2 \div 4] (37.6) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$$

PID Readings (ppm)
 Breathing 0
 Well 0

Purging method 2" bailer Purge: Time Start 0915 hrs End 0948 hrs

	Volume	pH	Conductivity	Temperature, (C)
1 well volume =	<u>6 gals</u>	<u>6.97</u>	<u>1250</u>	<u>11°</u>
2 well volume =	<u>12.0</u>	<u>6.69</u>	<u>1200</u>	<u>11°</u>
3 well volume =	<u>18.0</u>	<u>6.71</u>	<u>1200</u>	<u>11°</u>
Final =	<u>6.75</u>	<u>1150</u>	<u>11°</u>	

Final water level = 7.15 (from T.O. PVC)
 Sample Collection: Time Start 0950 hrs End 1005 hrs
 Sampling method Bailer Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty faint petroleum
 Describe color: colorless black brown orange red grey
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? _____ Length? _____ Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/16/91

N.M. - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004409-DD18 Samplers LB + SC

Well ID MW-01-00 (MW-I) Date Sampled 10-01-91 Time: Start 1300 hrs End 1600

Well Diameter 1.5 inches + 12 = _____ (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 11.2 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 26.7 ft.
(26.4)

Feet of standing water 15.5 (h) ft. Standing water (gal.) = _____

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (15.5) \times 7.48 \text{ gal/ft}^3 = \text{_____ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Wattera Purge: Time Start 1500 hrs End 1530 hrs

	(6.13) pH	(21) Conductivity	Temperature, (C)
1 well volume = <u>1.5</u> gal.	<u>8.08</u>	<u>185</u>	<u>14°</u>
2 well volume = <u>3.0</u> gal.	<u>7.36</u>	<u>25</u>	<u>13.5°</u>
3 well volume = <u>4.5</u> gal.	<u>7.99</u>	<u>110</u>	<u>12.5</u>
<u>6.0</u>	<u>8.09</u>	<u>130</u>	<u>13°</u>
Final = <u>8.25</u>	<u>120</u>		

Final water level = 11.2' (from T.O. PVC)

Sample Collection: Time Start 1531 hrs End 1550 hrs

Sampling method bailey/wattera Bailer Type 1 1/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red appears tan/grey due to silt

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? _____ Length? _____ Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-D018 Samplers LB+SC
 Well ID MW-02-00(MW-II) Date Sampled 10/01/91 Time: Start 0735 hrs End 0834h
 Well Diameter 1.5 inches + 12 = _____ (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 21.3 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 28.45 ft.
 Feet of standing water 7.15 (h) ft. Standing water (gal.) = 10 1/2 x 7.15 (29.9)

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(1.5)^2 + 4] (7.15) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$

PID Readings (ppm)
 Breathing 0
 Well 0

Purging method Wattersa Purge: Time Start 0755 hrs End 0805 hrs

	1 well volume =	2 well volume =	3 well volume =	Final =	(6.50) pH (260) Conductivity	Temperature, (C)
	<u>0.6</u> gal.	<u>1.2</u> gal.	<u>1.8</u> gal.	<u>6.75</u>	<u>415</u>	<u>12°</u>
				<u>6.53</u>	<u>290</u>	<u>12°</u>
				<u>6.50</u>	<u>270</u>	<u>12°</u>
				<u>6.48</u>	<u>230</u>	<u>12°</u>

 Final water level = 21.3 (from T.O. PVC)
 Sample Collection: Time Start 0815 hrs End 0834 hrs
 Sampling method Bailer / Wattersa Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum matches
 Describe color: colorless black brown orange red grey
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? none Length? _____ Samples preserved? ✓
 Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004629-D018 Samplers LB-SC

Well ID MW-D3-00 (MW-III) Date Sampled 10/2/91 Time: Start 0900 End 1000 hr

Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 11.25 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 19.4 ft.
(19.6)

Feet of standing water 8.25 (h) ft. Standing water (gal.) =

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ } \text{ft} \text{ })^2 + 4] (\text{ } \text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Watera Purge: Time Start 0910 hrs End 0918 hrs

		(7.25) pH	(72) Conductivity	Temperature, (C)
1 well volume =	<u>0.7</u> gal.	<u>7.79</u>	<u>32</u>	<u>13.5</u>
2 well volume =	<u>1.4</u> gal.	<u>7.51</u>	<u>27</u>	<u>13</u>
well volume =	<u>2.1</u> gal.	<u>7.24</u>	<u>20</u>	<u>13</u>
Final =	<u>3.6.80</u>	<u>26</u>	<u>13</u>	

Final water level = 11.25 (from T.O. PVC)

Sample Collection: Time Start 0920 hrs End 0945 hrs

Sampling method WATERRA/BAILER Bailer Type Teflon 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? NO Length? Samples preserved? ✓

Comments

Refer to page of the corresponding field log book.

revised
8/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-DD18 Samplers LB+SC

Well ID MW-04-00(MW-IV) Date Sampled 10/2/91 Time: Start 1020hrs End 1050 1130

Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? (Y)

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 14.55 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 19.8 ft.
(19.3)

Feet of standing water 4.25 (n) ft. Standing water (gal.) =

Standing
Water
Volume

$$= \pi [(d)^2 + 4] (h)$$
$$= 3.14 [(\text{---} \text{ft})^2 + 4] (\text{---} \text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}$$

PID Readings (ppm)

Breathing

Well low O₂ 19.6 for 5 sec.

Purging method Watterson Purge: Time Start 1025 hrs End 1045 hrs

		(6.2) pH	(210) Conductivity	Temperature, (C)
1 well volume =	<u>0.5</u> gal.	<u>6.84</u>	<u>300</u>	<u>12.5°</u>
2 well volume =	<u>0.5 1.0</u> gal.	<u>6.62</u>	<u>240</u>	<u>13°</u>
3 well volume =	<u>1.5</u> gal.	<u>6.54</u>	<u>245</u>	<u>13°</u>
	Final =	<u>6.65</u>	<u>260</u>	<u>13°</u>

Final water level = 14.55 (from T.O. PVC)

Sample Collection: Time Start 1050 hrs End 1115 hrs

Sampling method Bailes / Watters Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multphased foaming slimy algae

Organic Layer? — Length? Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/16/91

Nm - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-DD18 Samplers LB+SC

Well ID MW-05-00 (MW-V) Date Sampled 10-2-91 Time: Start 1315 hrs End 1430

Well Diameter 1.5 inches + 12 = _____ (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 23 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 29.2 ft.

Feet of standing water 6.2 (h) ft. Standing water (gal.) = _____

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (6.2) \times 7.48 \text{ gal/ft}^3 = \text{_____ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Wattara Purge: Time Start 1320 hrs End 1340 hrs

1 well volume = 0.6 gal. (7.1) pH (140) Conductivity 735 200 Temperature, (C) 14°

2 well volume = 1.2 gal. 7.67 50 14°

3 well volume = 1.8 gal. 7.15 56 14° - replaced 1 battery

Final = 5.85 40 14°

Final water level = 23 (from T.O. PVC)

Sample Collection: Time Start 1355 hrs End 1415 hrs

Sampling method Bailer / Wattara Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red light grey

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? _____ Length? _____ Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004409-D018 Samplers LB+SC

Well ID DW-27 Date Sampled 10-02-91 Time: Start 1450hrs End 1555

Well Diameter 1.5 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 15.9 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 17.55 ft.

Feet of standing water 1.55 (h) ft. Standing water (gal.) = (17.6)

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (1.55) \times 7.48 \text{ gal/ft}^3 = \text{_____ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 1.4 ppm

Purging method Wattara Purge: Time Start 1500 hrs End 1507hrs

	(6.58) pH	(810) Conductivity	Temperature, (C)
1 well volume = <u>0.1</u> gal.	<u>6.11</u>	<u>380</u>	<u>17°</u>
2 well volume = <u>0.2</u> gal.	<u>6.14</u>	<u>470</u>	<u>14°</u>
3 well volume = <u>0.3</u> gal.	<u>6.17</u>	<u>460</u>	<u>14°</u>
Final = <u>6.39</u>	<u>420</u>	<u>14°</u>	

Final water level = 15.9 (from T.O. PVC)

Sample Collection: Time Start 1513 hrs End 1530 hrs

Sampling method Bailer / Wattara Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Organic Layer? _____ Length? _____ Samples preserved? ✓

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-D018 Samplers LB + SC
 Well ID OW-30 Date Sampled 10/03/91 Time: Start 0730 End 0830 hrs
 Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 6.05 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 15.9 ft.
 Feet of standing water 9.85 (n) ft. Standing water (gal.) =

Standing Water Volume = $\pi [(d)^2 + 4] (n)$
 $= 3.14 [(1.5)^2 + 4] (9.85) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$

PID Readings (ppm)

Breathing 0
 Well 0

Purging method Water Purge: Time Start 0740 hrs End 0757 hrs

	(6.8) pH	(750) Conductivity	Temperature, (C)
1 well volume = <u>1.0</u> gal.	<u>6.32</u>	<u>745</u>	<u>15°</u>
2 well volume = <u>2.0</u> gal.	<u>6.40</u>	<u>810</u>	<u>15°</u>
3 well volume = <u>3.0</u> gal.	<u>6.47</u>	<u>820</u>	<u>15°</u>
Final = <u>6.62</u>	<u>860</u>	<u>15.5°</u>	

Final water level = 6.25 ' (from T.O. PVC)

Sample Collection: Time Start 0800 hrs End 0825 hrs

Sampling method Bailer/Water Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
 Describe color: colorless black brown orange red grey
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

NM - NOT MEASURED

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-0018 Samplers LB + SC
 Well ID NMW-07-02 Date Sampled 10-7-91 Time: Start 1000 hrs End 1020^{10/8} hrs
 Well Diameter 4 inches + 12 = _____ (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 22.3 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 72.3 ft.
 Feet of standing water 50 (h) ft. Standing water (gal.) = _____

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}$

PID Readings (ppm) PID
 Breathing LEL 0-1, 0
 Well LEL 1, PID 0

Purging method B-K Purge: Time Start 1030 hrs End _____

			pH	Conductivity	Temperature, (C)	Depth to H ₂ O
1 well volume = <u>1110 hrs</u> <u>10/7</u>	<u>33</u> gal.	<u>12.70</u>	<u>2300</u>	<u>10.5</u>	<u>52.3</u>	
2 well volume = <u>10/8</u>	<u>20</u> gal.	<u>11.36</u>	<u>1130</u>	<u>10.0</u>		
3 well volume = _____	gal.	<u>12.54</u>	<u>1200</u>	<u>10.0</u>		
Final = _____						

Final water level = 55.25 (from T.O. PVC)

Sample Collection: Time Start 0950 hrs 10/8 End 1012 hrs

Sampling method aerier Bailer Type 2"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae _____

Organic Layer? None Length? _____ Samples preserved? ☒

Comments _____

1451 Depth to H₂O 44.8' 4.9 gallons / 220 minutes = .022 gpm
1649 Depth to H₂O 41.6' 2 gallons / 2 hrs = .017 gpm

Refer to page _____ of the corresponding field log book.

revised
9/16/91

WELL SAMPLING WORKSHEETS - JANUARY/FEBRUARY 1992

MONITORING WELL SAMPLING WORKSHEET

Name Rosehill Job No. 004609-0018 Samplers L. Spencer / S. Page
 Well ID MW-01-01 Date Sampled 2/4/92 Time: Start 11:00 End 12:00 hrs
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 2.7 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC (19.7) ft.
 Feet of standing water 17.5 (n) ft. Standing water (gal.) = 2.8

PID Readings (ppm)

Breathing 0.0

Well 1.5

B/B

Standing Water Volume = $\pi [(d)^2 + 4] (n)$
 $= 3.14 [(2)^2 + 4] (17.5) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gal.}$

Purging method bailer Purge: Time Start 11:00 End 11:30 hrs

	(5.93) pH	(145) Conductivity	Temperature, (C)
1 well volume = <u>2.8</u> gal.	<u>6.32</u>	<u>83</u>	<u>3°C</u>
2 well volume = <u>5.6</u> gal.	<u>5.67</u>	<u>71</u>	<u>2.5°C</u>
3 well volume = <u>8.4</u> gal.	<u>5.82</u>	<u>68</u>	<u>3°C</u>
Final = <u>6.25</u>	<u>68</u>	<u>2.5°C</u>	

Final water level = 2.7 ft. (from T.O. PVC)
 Sample Collection: Time Start 11:30 hrs End 11:50 hrs

Sampling method bailer Bailer Type 13/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? no Length? — Samples preserved? yes

Comments —
—
—

Refer to page — of the corresponding field log book.

N.M. - not measured

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers L. Spence S. Rupp
 Well ID MW-03-01 Date Sampled 2/4/92 Time: Start 1300 End 1335
 Well Diameter 2 inches + 12 = 14 ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 2.2 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC (14.6) ft.
 Feet of standing water 12.4 ft. Standing water (gal.) = (14.6)

B/R

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(2)^2 + 4] (12.4) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gal.}$$

PID Readings (ppm)
 Breathing 0.0
 Well 8.2

Purging method bailer Purge: Time Start 1315 End 1330
 (6.35) pH (480) Conductivity Temperature, (C)
 1 well volume = 2.0 gal. 5.62 100 7°C
 2 well volume = 4.0 gal. 5.24 150 8°C
 3 well volume = 6.0 gal. 5.34 190 7.5°C
 Final = 6.2 350
 Final water level = 2.35 (from T.O. PVC)
 Sample Collection: Time Start 1330 End 1350
 Sampling method bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
 Describe color: colorless black brown orange red
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? no Length? — Samples preserved? yes

Comments Due to silty nature of sample
in-line bailer was clogging. Allowed
sample to settle for ~45 minutes
then filtered using same bailer and
in-line setup.

Refer to page — of the corresponding field log book.

revised
 9/16/91

MONITORING

Job Name ROSEHILL Job No. 004609-0018 Samplers L. Sance/S. P. ...
 Well ID MW-03-02 Date Sampled 2/4/92 Time: Start 1400 End 1420
 Well Diameter 2 inches + 12 = (4) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC (47.7) ft.
 Feet of standing water ft. Standing water (gal.) =

B/B

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(2)^2 + 4] (47.7) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gal.}$$

PID Readings (ppm)

Breathing 0.0

Well 4.2

Purging method Bailer Purge: Time Start End

(9.45) pH (280) Conductivity Temperature, (C)

1 well volume = gal.

2 well volume = gal.

3 well volume = gal.

Final =

Final water level = (from T.O. PVC)

Sample Collection: Time Start End

Sampling method Bailer Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

FROZEN about 8" below the outside casing. Frozen H₂O between PVC and outside casing. Used SOLID bailer to try to break ice

Refer to page of the corresponding field log book.

revised 2/16/91

No luck.

MONITORING WELL

004609-

Job Name ROSEHILL Job No. 0018 Samplers SL

Well ID MW-03-03 Date Sampled 2/5/92 Time: Start 10⁴⁵ End 15²⁵

Well Diameter 6 inches + 12 = (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC .5 ft.

Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 143.4 ft.

Feet of standing water 143 ft. Standing water (gal.) = 210

S/B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(6)^2 + 4] (143) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gal.}$

PID Readings (ppm)

Breathing

Well

Purging method Submersible Purge: Time Start 11¹⁵ End 14³⁵

	(6.95) pH (150)	Conductivity	Temperature, (C)
1 well volume = <u>~210</u> gal.	<u>7.39</u>	<u>130</u>	<u>12</u>
2 well volume = <u>~210</u> gal.	<u>7.13</u>	<u>130</u>	<u>11</u>
3 well volume = <u>~210</u> gal.	<u>7.29</u>	<u>130</u>	<u>10.5</u>
Final = <u>6.98</u>	<u>130</u>	<u>9</u>	

Final water level = 1.9' (from T.O. PVC)

Sample Collection: Time Start 15⁰⁰ End 15²⁵

Sampling method Bailer Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen rust particles
 clear multiphased foaming slimy algae

Organic Layer? Yes Length? too small Samples preserved? yes

Comments while purging @ 120' - water became clear
sampled ~60'

Refer to page of the corresponding field log book.

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers LS/SP
 Well ID MW-04-Q3 Date Sampled 7/5/92 Time: Start 7:30 End
 Well Diameter 6 inches + 12 = (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC (140) ft.
 Feet of standing water (h) ft. Standing water (gal.) =

S/B

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(6)^2 + 4] (140) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gal.}$$

PID Readings (ppm)

Breathing

Well

Purging method Submersible Purge: Time Start 7:41 End 9:2
 (9.21) pH (220) Conductivity Temperature, (C)

1 well volume = gal.
 2 well volume = gal.
 3 well volume = gal.
 Final = 10.2 225 25

Final water level = (from T.O. PVC)
 Sample Collection: Time Start 9:30 End 10:15

Sampling method Trailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
 Describe color: colorless black brown orange red
 Describe appearance: turbid silty sometimes sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? no Length? Samples preserved? yes

Comments See logbook purged with submersible

Refer to page of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 0018 Samplers Sean C / Peter B
 Well ID MW-07-02 Date Sampled 1/31/92 Time: Start 1357 End 1439
 Well Diameter 4 inches + 12 = 16 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 20.55 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 72.40 ft.
 Feet of standing water 51.85 (h) ft. Standing water (gal.) = 51.85

BK/B

Standing Water
 Volume = $\pi [(d)^2 + 4] (h)$

= 3.14 $\times$ 16² + 4 $\times$ 51.85 gal/ft = 4188 gal

PID Readings (ppm)

Breathing 0

Well 1.4

Purging method Barrel K. Iron Purge: Time Start 1425 End 1439

@ 50.5 depth to water (12.1) pH (8200) Conductivity Temperature, (C)
 1 well volume = 11.90 gal. 2000 10

2 well volume = gal.

3 well volume = gal.

Final =

Final water level = (from T.O. PVC)

Sample Collection: Time Start End

Sampling method Bailer Type

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments

Refer to page of the corresponding field log book.

* See other book of well sheets

91691

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers SL, RM, PB
 Well ID MW-11-01 Date Sampled 1/31/92 Time: Start 8:00 End _____
 Well Diameter 2 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 7.6 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 22.3 ft.
 Feet of standing water 14.7 (h) ft. Standing water (gal.) = 2.4
 (23.9)

B/B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(2)^2 + 4] (14.7) \times 7.48 \text{ gal/ft}^3 = \text{_____ gal.}$

PID Readings (ppm)

Breathing 0

Well 1.2

Purging method Bailer Purge: Time Start 10:16 End 10:36

	(6.1) pH	(6.65) Conductivity	Temperature, (C)
1 well volume = <u>2.5</u> gal.	<u>6.4</u>	<u>1300</u>	<u>10</u>
2 well volume = <u>2.5</u> gal.	<u>6.3</u>	<u>1300</u>	<u>9</u>
3 well volume = <u>2.5</u> gal.	<u>6.3</u>	<u>1300</u>	<u>10</u>
Final = <u>6.0</u>	<u>1300</u>	<u>10</u>	

Final water level = 7.75 (from T.O. PVC)

Sample Collection: Time Start 10:40 End 11:04

Sampling method Bailer Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? No Length? — Samples preserved? yes

Comments Sample had natural bubbles - was
will probably have bubbles

Refer to page 44 of the corresponding field log book. (Book 29)

revised
2/15/91

Job Name ROSEHILL Job No. 004609-0018 Samplers SC, RM, PS
Well ID MW-11-02 Date Sampled 1/31/92 Time: Start 8:00 End 1005
Well Diameter 2 inches + 12 = 14 ft. Well secured upon arrival? YN
Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 6.45 ft.
Depth of well from T.O.C. NM ft. Depth of well from T.O. PVC 44.7 ft.
Standing water (gal.) = 6.2
Feet of standing water 35.25 ft.

B/B

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(2)^2 + 4] (35.25) \times 7.48 \text{ gal/ft}^3 = 6.2 \text{ gal}$$

PID Readings (ppm)
Breathing 0
Well 0

Purging method Bailer Purge: Time Start 0902 End 0936
1 well volume = 6.2 gal. 6.56 pH (1380) Conductivity 1800 microhm/cm Temperature (C) 9.0
2 well volume = 12.4 gal. 6.45 u. 1750 8.6
3 well volume = 18.6 gal. 6.5 1775 8.9
Final = 6.4 1800 8.9
Final water level = 6.45 (from T.O. PVC)
Sample Collection: Time Start 0940 End 1000
Sampling method Bailer/In-line Filter Bailer Type 1.3/1"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum
Describe color: colorless black brown orange red gray
Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? no Length? — Samples preserved? VOAs-YES
Comments Foam in Sample
Foam on water surface when final
water level taken

Refer to page 42 of the corresponding field log book. (Book 29)

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers SC, RM, PB
 Well ID MW-11-03 Date Sampled 1/31/92 Time: Start 8:00 End 12:40
 Well Diameter 4 inches + 12 = (4) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 4.4 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 78.2 ft.
 Feet of standing water 73.8 (ft) Standing water (gal.) = 45.3

BK/B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(4)^2 + 4] (73.8) \times 7.48 \text{ gal/ft}^3 = \text{gal.}$

PID Readings (ppm)

Breathing 0
 Well 0

Purging method Benard/Kilham Purge: Time Start 8:45 End 11:46

	1 well volume =	2 well volume =	3 well volume =	Final =	(9.4) pH (6%)	Conductivity	Temperature, (C)	Depth,
	<u>49</u> gal.	<u>49</u> gal.	<u>49</u> gal.	<u>8.0</u>	<u>10.5</u>	<u>600</u> micro mhos/cm	<u>9</u> C	<u>50.5</u>
					<u>8.6</u>	<u>550</u>	<u>10</u>	<u>52.8</u>
					<u>7.9</u>	<u>510</u>	<u>10</u>	
						<u>550</u>	<u>9.5</u>	

Final water level = 19.8 (from T.O. PVC)

Sample Collection: Time Start 12:10 End 12:40

Sampling method Bailer Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? NO Length? _____ Samples preserved? YES

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers LS / SP
 Well ID MW-14-01 Date Sampled 2/4/92 Time: Start 350 End 1010
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? ☒ Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 27.00 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC (34.8) ft.
 Feet of standing water 7.8 (h) ft. Standing water (gal.) = 1.2

B/B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(2)^2 + 4] (7.8) \times 7.48 \text{ gal/ft}^3 = \text{gal.}$

PID Readings (ppm)

Breathing 0

Well A

2 min. the readings on PID

Purging method Bailer Purge: Time Start 20 End 1010

	1 well volume =	2 well volume =	3 well volume =	Final =	pH (7.3)	Conductivity (1600)	Temperature, (C) (12)
	<u>1.2</u> gal.	<u>3.4</u> gal.	<u>4.3</u> gal.	<u>6.7</u>	<u>6.9</u>	<u>1600</u>	<u>12</u>
					<u>6.5</u>	<u>1600</u>	<u>10</u>
					<u>6.6</u>	<u>1600</u>	<u>10</u>

Final water level = 31.90 (from T.O. PVC)

Sample Collection: Time Start 1000 End 1010

Sampling method Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? no Length? - Samples preserved? yes

Comments

Refer to page _____ of the corresponding field log book.

revised 8/16/91

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 0018 Samplers SC+SP 004609-

Well ID CG Date Sampled - 7/3/92 Time: Start 8:10 End 13:50

Resident's Name C. Griswold

Water Collected from: outside spigot
(spigot) (i.e. spigot hole)

Purging method spigot
(spigot)

Purge Flow Rate: 3 (gpm)

Purge: Time Start 13:10 End 13:25

collected
ms/msd

	Time	(7.93) pH	(120) Conductivity	Temperature, (C)
1 volume =	<u>5 minutes</u>	<u>NO READING</u>	<u>175</u>	<u>9°</u>
2 volume =	<u>10 minutes</u>	<u>RE-ENTERED</u>	<u>175</u>	<u>9°</u>
3 volume =	<u>15 minutes</u>	<u>LOW</u>	<u>175</u>	<u>9</u>
Final =	<u>L</u>		<u>175</u>	<u>8</u>

Sample Collection: Time Start 13:25 End 13:40

Sampling Method Spigot

Sample Collection Flow Rate 3 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: clear turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? no Length? — Samples preserved? yes

Collection Area Description: Spigot near horses. Outside of fence.
(water pump spigot away from house, by dog house)

Comments

Refer to page _____ of the corresponding field log book.

revised
8/13/91

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 0018 Samplers SP / SC
 Well ID DC Date Sampled - 2/3/92 Time: Start 1350 End 1430

Resident's Name D. Cox

Water Collected from: Spigot
 (spigot) (i.e. spigot/hose)

Purging method Spigot
 (spigot)

Purge Flow Rate: 3 (gpm)
 (3)

Purge: Time Start 1400 End 1410

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>1400</u>	<u>5.6</u>	<u>160</u>	<u>7</u>
2 volume =	<u>1405</u>	<u>5.4</u>	<u>155</u>	<u>7</u>
3 volume =	<u>1410</u>	<u>6.3</u>	<u>155</u>	<u>7</u>
		<u>10.1</u>	<u>1105</u>	<u>80</u>
	Final =			

Sample Collection: Time Start 1415 End 1425

Sampling Method Spigot

Sample Collection Flow Rate 2 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? no Length? — Samples preserved? 165 Filtered

Collection Area Description: (spigot on the right side of the house)

Comments

Refer to page — of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers SP/SC

Well ID W Date Sampled - 2/3/92 Time: Start 1430 End 1505

Resident's Name Webster

Water Collected from: Spigot by garden - to left of driveway & house when facing S.
(i.e. spigot/hose)

Purging method Spigot
(spigot)

Purge Flow Rate: 3 (gpm)
(3)

Purge: Time Start 1430 End 1445

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>1435</u>	<u>7.9</u>	<u>720</u>	<u>6</u>
2 volume =	<u>1440</u>	<u>8.1</u>	<u>720</u>	<u>7</u>
3 volume =	<u>1445</u>	<u>8.2</u>	<u>720</u>	<u>7</u>
Final =		<u>8.3</u>	<u>770</u>	<u>8</u>

Sample Collection: Time Start 1450 End 1500

Sampling Method Spigot

Sample Collection Flow Rate _____

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Organic Layer? no Length? — Samples preserved? yes

Collection Area Description: _____

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/13/91

MONITORING WELL SAMPLING WORKSHEET

Job Name Rosehill Job No. 004609-0018 Samplers SC
 Well ID MW-01-02 Date Sampled 2/4/12 Time: Start 13:04 End 7:10
 Well Diameter 6 inches + 12 = 18 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 3 ft.
 Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 51.1 ft.
 Feet of standing water 78 (h) ft. Standing water (gal.) = (81.2) - 70 = 114

3/B

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(6)^2 + 4] (78) \times 7.48 \text{ gal/ft}^3 = \underline{\quad\quad\quad} \text{ gals.}$$

PID Readings (ppm)

Breathing

Well

Purging method Submers. Purge: Time Start 13:30 End 17:18

	(9.6) pH	(150) Conductivity	Temperature, (C)
1 well volume = <u>~114</u> gal.	<u>7.82</u>	<u>220</u>	<u>6</u>
2 well volume = <u>~114</u> gal.	<u>7.94</u>	<u>230</u>	<u>7</u>
3 well volume = <u>~114</u> gal.	<u>7.80</u>	<u>190</u>	<u>6</u>
Final = <u>7.00</u>	<u>150</u>	<u>3.5</u>	

Final water level = (from T.O. PVC)

Sample Collection: Time Start 1200 End 1240

Sampling method Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved? yes

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Name ROSEHILL Job No. 004609-0018 Samplers SP/KA Duplicate collected here

Well ID MW-02-01 Date Sampled 1/30/92 Time: Start 9:45 End 10:10

Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N

Depth of well from T.O.C. N.M. ft. Depth of water from T.O. PVC 23.4 ft.

Depth of water from T.O.C. N.M. ft. Depth of well from T.O. PVC 35.6 ft.

Feet of standing water 12.2 (n) ft. Standing water (gal.) = 12.2 ft.

B/B

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (n) \\ &= 3.14 [(2)^2 + 4] (12.2) \times 7.48 \text{ gal/ft}^3 = \underline{210} \text{ gal} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

O₂ = 21.0 LEL = 13 dropped to 0

Purging method Bailer Purge: Time Start 9:45 End 10:10

	(6.11) pH	(200) Conductivity	Temperature, (C)
1 well volume = <u>3.0</u> gal.	<u>6.3</u>	<u>200</u>	<u>12.0</u>
2 well volume = <u>4.0</u> gal.	<u>5.4</u>	<u>240</u>	<u>12.0</u>
3 well volume = <u>6.0</u> gal.	<u>5.5</u>	<u>250</u>	<u>11.4</u>
Final = <u>6.3</u>	<u>280</u>	<u>11.4</u>	

Final water level = 23.4 (from T.O. PVC)

Sample Collection: Time Start 10:10 End 10:10

Sampling method Bailer Bailer Type Shovel

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black (brown) (orange) red

Describe appearance: (turbid) silty sand clay floaters sheen
clear multiphased (foaming) slimy algae

Organic Layer? No Length? — Samples preserved? Yes - PID

Comments Initial pH = 8.0 Duplicate collected here
Cond = 200
Temp = 11.8

Refer to page — of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 0018 Samplers K4/SC/LS
 Well ID MW-04-01 Date Sampled 1/29/92 Time: Start 10¹⁰ End 11¹⁰
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 15.05 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 3.25 (15.0) ft.
 Feet of standing water 2.0 (h) ft. Standing water (gal.) = 2.0

B/B NMW-04-01-NX-6-S11-3

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(2)^2 + 4] (2.0) \times 7.48 \text{ gal/ft}^3 = \underline{\quad\quad\quad} \text{ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing 0.1

Well 9.0

Purging method bailer Purge: Time Start 10¹⁰ End 10²⁵

	(6.44) pH (230)	Conductivity	Temperature, (C)
1 well volume = <u>2.0</u> gal.	<u>6.15</u>	<u>1050</u>	<u>15.3</u>
2 well volume = <u>4.0</u> gal.	<u>6.36</u>	<u>900</u>	<u>15.4</u>
3 well volume = <u>6.0</u> gal.	<u>6.55</u>	<u>900</u>	<u>15.5</u>
Final = <u>6.77</u>	<u>780</u>	<u>15.3</u>	

Final water level = 3.25 (from T.O. PVC)

Sample Collection: Time Start 10³⁰ End 11¹⁰

Sampling method bailer Bailer Type 1 3/4" teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? NO Length? — Samples preserved? Yes

Comments _____

Refer to page _____ of the corresponding field log book.

revised
9/16/91

B/B NMW-04-02-NX-6-512-3

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.}$

PID Readings (ppm)

Breathing 0.0

Well 0.1

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen _____

clear multiphased foaming slimy algae _____

Comments _____

revised
8/16/91

MONITORING WELL CHART

Job Name ROSEHILL Job No. 004609-0018 Samplers ICM/SP

Well ID MW-07-01 Date Sampled 1/31/92 Time: Start 945 End 1100

Well Diameter 2 inches + 12 = 14 ft. Well secured upon arrival? Y/N

Depth of water from T.O.C. NM ft. Depth of water from T.O. PVC 18.2 ft.

Depth of well from T.O.C. NM ft. Depth of well from T.O. PVC 33.6 ft.

Feet of standing water 15.4 (m) ft. Standing water (gal.) = 2.4 (31.3)

B / B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 = $3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals}$

PID Readings (ppm)

Breathing

Well 16

Purging method Bailer Purge Time Start 10:00 End 10:30

	(6.06) pH (850)	Conductivity	Temperature, (C)
Initial well volume = <u>2.4</u> gal.	<u>6.8</u>	<u>620</u>	<u>18.5</u>
2 well volume = <u>2.4</u> gal.	<u>6.5</u>	<u>590</u>	<u>12.0</u>
3 well volume = <u>4.0</u> gal.	<u>6.4</u>	<u>620</u>	<u>12</u>
Final = <u>7.2</u> gal.	<u>6.3</u>	<u>580</u>	<u>12</u>
Final water level = <u>8.2'</u> (from T.O. PVC)			
Sample Collection: Time Start <u>10:00</u> End <u>11:00</u>			
Sampling method <u>Bailer</u> Bailer Type <u>Teflon</u>			

Sample Characteristics (Circle all applicable)

Describe odor:

none sulfide fishy musty petroleum

Describe color:

colorless black brown orange red

Describe appearance:

turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Landfill leachate
odor, petroleum

grown N

silty

Organic Layer? no Length? — Samples preserved? YES

Comments

Refer to page _____ of the corresponding field log book.

revis.
07697

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers KH/SP
 Well ID MW-07-02 Date Sampled 1/31/92 Time: Start 745 End 10⁰⁰
 Well Diameter 4 inches + 12 = 16 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 31.00 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 75.0 (73.0) ft.
 Feet of standing water 44.0 (h) ft. Standing water (gal.) = 151 = 9.8 gal

BK/B

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 = 3.14 [(4)² + 4] (44) x 7.48 gal/ft³ = 5000 gal

PID Readings (ppm)

Breathing

Well

0.8

Purging method BK/B Purge: Time Start 1/30/92 End 1/31/92 745 End 1000

(12.1) pH (8200) Conductivity Temperature, (C)

1 well volume = 11.8 gal. 2000 20
 2 well volume = 11.2 gal. 1500 25
 3 well volume = Before sampling 11.8 2000 20
 Final = 11.2 1500 25

Final water level = 100 (from T.O. PVC)

Sample Collection: Time Start 1000 End 1000

Sampling method Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

SATY

Organic Layer? NO Length? 10 Samples preserved? YES

Comments BK'd by SL/PB on 1/30/92
Bailed out last 15 ft on 1/31/92
then sampled
MS/MSD collected here

Refer to page 1 of the corresponding field log book.

* See other book of well sheets

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers KA/SP
 Well ID MW-10-01 Date Sampled 1/30/92 Time: Start 1330 End 1430
 Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 7.00 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 38.48 ft.
 Feet of standing water ~31 (h) ft. Standing water (gal.) = 5.1^(37.6)

B/R

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(2)^2 + 4] (31) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gal.} \end{aligned}$$

PID Readings (ppm)

Breathing

Well 3.2

Purging method Teflon Bailer Purge: Time Start 1330 End 1430

	(6.24) pH	(75) Conductivity	Temperature, (C)
1 well volume = <u>5.1</u> gal.	<u>6.6</u>	<u>120</u>	<u>7.0</u>
2 well volume = <u>10.2</u> gal.	<u>6.2</u>	<u>120</u>	<u>7.1</u>
3 well volume = <u>12.3</u> gal.	<u>6.1</u>	<u>120</u>	<u>7.0</u>
Final = <u>6.6</u>	<u>125</u>	<u>7.2</u>	

Final water level = 7.1 (from T.O. PVC)
 Sample Collection: Time Start 1400 End 1415

Sampling method Teflon Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum NCNE
 Describe color: colorless black brown orange red lt. brown
 Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? NO Length? Samples preserved? yes

Comments initial pH 7.8
COND 160
Temp 75

Refer to page of the corresponding field log book.

Job Name ROSEHILL Job No. 004609-0018 Samplers KA + ST
 Well ID MW-13-02 Date Sampled 1/30/92 Time: Start 1050 End 1150
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 7.64 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 29.9 (29.9) ft.
 Feet of standing water 22.3 (h) ft. Standing water (gal.) = 3.6

B/B

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(2)^2 + 4] (22.3) \times 7.48 \text{ gal/ft}^3 = 3.6 \text{ gal} \end{aligned}$$

PID Readings (ppm)

Breathing 0.0

Well 15

Purging method Bailer Purge: Time Start 1100 End 1125

	(6.36) pH	(295) Conductivity	Temperature, (C)
1 well volume = <u>3.6</u> gal.	<u>6.4</u>	<u>650</u>	<u>12.4</u>
2 well volume = <u>7.2</u> gal.	<u>6.6</u>	<u>550</u>	<u>10.4</u>
3 well volume = <u>10.8</u> gal.	<u>6.4</u>	<u>550</u>	<u>10.0</u>
Final = <u>6.7</u>	<u>550</u>	<u>10.2</u>	

Final water level = (from T.O. PVC)
 Sample Collection: Time Start 1125 End 1150
 Sampling method Bailer Bailer Type Tifton

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum organic

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters, sheen
 clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved? Yes, HCl, Tifton

Comments Tifton pH 6.29
Cond 600
Temp 10.3

Refer to page of the corresponding field log book.

revised
9/16/91

Job Name ROSEHILL Job No. 004609-0013 Samplers SP/KR
 Well ID OW-27 Date Sampled 1/31/92 Time: Start 1305 End 1340
 Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 14.5 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 17.5 ft.
 Feet of standing water 3 (h) ft. Standing water (gal.) = 0.3 (17.6)

W/WB

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
 $= 3.14 [(1.5)^2 + 4] (3) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gal.}$

PID Readings (ppm)

Breathing 0.0Well 2.3

Purging method Watters Purge: Time Start 1305 End 1315

	(L.5g)	pH (810)	Conductivity	Temperature, (C)	PID
1 well volume = <u>0.3</u> gal.	<u>6.1</u>	<u>900</u>	<u>14</u>	<u>2.3</u>	
2 well volume = <u>0.6</u> gal.	<u>6.1</u>	<u>800</u>	<u>14.5</u>		
3 well volume = <u>0.9</u> gal.	<u>6.1</u>	<u>720</u>	<u>14.5</u>		
Final = <u>6.4</u>	<u>700</u>	<u>14.5</u>			

Final water level = 14.6 (from T.O. PVC)Sample Collection: Time Start 1305 End 1330Sampling method Watters/Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Fish/leachate

Describe color: colorless black brown orange red

black

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algaesilty
foamingOrganic Layer? NO Length? Samples preserved? YES

Comments Initial pH = 6.1
cond = 600
Temp = 14

Refer to page of the corresponding field log book.

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSEHILL Job No. 004609-0018 Samplers KA/SP
 Well ID OW-30 Date Sampled 1/31/92 Time: Start 1230 End 1300
 Well Diameter 1.5 inches + 12 = 13.5 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. NM ft. Depth of water from T.O. PVC 4.5 ft.
 Depth of water from T.O.C. NM ft. Depth of well from T.O. PVC 15.5 ft.
 Feet of standing water 11.0 (h) ft. Standing water (gal.) = 1.0 (rw)

W/WB

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(1.5)^2 + 4] (11.0) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gal.}$$

PID Readings (ppm)
 Breathing SP
 Well 2.7

Purging method Waterwa Purge: Time Start 1230 End 1240

	(6.2) pH	(750) Conductivity	Temperature, (C)
1 well volume = <u>1</u> gal.	<u>7.0</u>	<u>150</u>	<u>9.5</u>
2 well volume = <u>2</u> gal.	<u>6.9</u>	<u>170</u>	<u>10</u>
3 well volume = <u>3</u> gal.	<u>6.9</u>	<u>180</u>	<u>10</u>
Final = <u>6.9</u>	<u>175</u>	<u>10</u>	

Final water level = 4.5 (from T.O. PVC)

Sample Collection: Time Start 1240 End 1255

Sampling method Waterwa/Bailer Bailer Type Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum musty/boonies
 Describe color: colorless black brown orange red red
 Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? — Length? — Samples preserved? yes

Comments Initial pH 7.5 Sample taken with equipment
Cond 140 blank bailer
Temp 7.5

Refer to page — of the corresponding field log book.

revised
8/16/91

WELL SAMPLING WORKSHEETS - APRIL 1992

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 46091-18 Samplers SC + JB
 Well ID NMW-01-01 Date Sampled 4/8/92 Time: Start 8:45 End 11:15
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. 19.4 ft. Depth of water from T.O. PVC 2.8 ft.
 Depth of water from T.O.C. 2.7 ft. Depth of well from T.O. PVC 16.7 ft.
 Feet of standing water 16.7 (h) ft. Standing water (gal.) = 2.8 gal

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ })^2 + 4] (\text{ }) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 1.9-2.5 = 1.4

Purging method Bailer Purge: Time Start 9:20 End 9:45

	Volume	pH	Conductivity	Temperature, (C)
1 well volume =	<u>2.8</u> gal.	<u>7.60</u>	<u>100</u>	<u>8.6</u>
2 well volume =	<u>2.8</u> gal.	<u>6.90</u>	<u>99</u>	<u>7.9</u>
3 well volume =	<u>2.8</u> gal.	<u>6.69</u>	<u>103</u>	<u>8.0</u>
4th vol =	<u>2.8</u> gal.	<u>6.56</u>	<u>100</u>	<u>8.0</u>
Final =	<u>7.70</u>	<u>100</u>	<u>8.0</u>	<u>8.0 sec 9.2</u>

Final water level = (from T.O. PVC)

Sample Collection: Time Start End

Sampling method Bailer Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved?

Comments Sample time different along with final temp due
to having to wait for nitrogen for filtered metals.
Only 2 filtered metals bottles collected

Refer to page of the corresponding field log book.

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers SC+JJB
 Well ID NMW-01-02 Date Sampled 4/8/92 Time: Start 8:45 End 4:35
 Well Diameter 6 inches + 12 = 18 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. 81 ft. Depth of water from T.O. PVC ft.
 Depth of water from T.O.C. 2.94 ft. Depth of well from T.O. PVC ft.
 Feet of standing water 78 (h) ft. Standing water (gal.) = 114 gal

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(18)^2 + 4] (78) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)
 Breathing 0
 Well 1.2 - 0.5 = 0.7

Purging method Submersible Pump Purge: Time Start 9:05 → 12:05 End 12:05

	See logbook	pH	Conductivity	Temperature, (C)
1 well volume =	<u>115</u> gal.	<u>7.69</u>	<u>165</u>	<u>10.8</u>
2 well volume =	<u>"</u> gal.	<u>8.10</u>	<u>150</u>	<u>16.3</u>
3 well volume =	<u>"</u> gal.	<u>7.85</u>	<u>150</u>	<u>14.6</u>
Final =	<u>8.35</u>	<u>150</u>	<u>10.3</u>	

Final water level = 30.7 (from T.O. PVC)

Sample Collection: Time Start 4:15 End 4:35

Sampling method Bailer Bailer Type 2" Teflon

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved?

Comments Length of hose in the sun altered the temperature
and possibly other readings

Refer to page of the corresponding field log book.

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JB+SC
 Well ID MW-05-01 Date Sampled 4/10/92 Time: Start 1:45 End 3:10
 Well Diameter 2" inches + 12 = 14 (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. ft. Depth of water from T.O. PVC 5.84 ft.
 Depth of water from T.O.C. ft. Depth of well from T.O. PVC 17.94 ft.
 Feet of standing water 12.10 (h) ft. Standing water (gal.) = 2

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(\text{ })^2 + 4] (\text{ }) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$$

PID Readings (ppm)

Breathing 0

Well 14.4

Purging method bailer Purge: Time Start 2:35 End 2:45

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>2</u>		<u>6.10</u>	<u>79</u>	<u>10.5</u>
2 well volume = <u>2</u>		<u>6.16</u>	<u>79</u>	<u>10.5</u>
3 well volume = <u>2</u>		<u>6.14</u>	<u>81</u>	<u>10.5</u>
Final = <u>5.87</u>			<u>78</u>	<u>10.5</u>

Final water level = 5.92 (from T.O. PVC)

Sample Collection: Time Start 2:50 End 3:05

Sampling method bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? N Length? Samples preserved? N

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JB + SC
 Well ID MW-05-02 Date Sampled 4/10/92 Time: Start 1:45 End 2:35
 Well Diameter 2" inches + 12 = (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. ft. Depth of water from T.O. PVC 5.96 ft.
 Depth of water from T.O.C. ft. Depth of well from T.O. PVC 28.84 ft.
 Feet of standing water 22.88 (h) ft. Standing water (gal.) = 3.8

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ })^2 + 4] (\text{ }) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 66, but not right

Purging method bailer Purge: Time Start 2:00 End 2:15

	Volume (gal.)	pH	Conductivity	Temperature, (C)
1 well volume =	<u>3.8</u>	<u>8.87</u>	<u>83</u>	<u>11.5</u>
2 well volume =	<u>3.8</u>	<u>8.25</u>	<u>83</u>	<u>11.0</u>
3 well volume =	<u>3.8</u>	<u>7.35</u>	<u>80</u>	<u>11.0</u>
Final =	<u>2.13</u>	<u>6.25</u>	<u>77</u>	<u>11.0</u>

Final water level = 6.13 (from T.O. PVC)

Sample Collection: Time Start 2:20 End 2:30

Sampling method bailer Bailer Type 1-3/4'

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? N Length? Samples preserved? N

Comments

Refer to page of the corresponding field log book.

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-17 Samplers SC+JB
 Well ID MW-07-01 Date Sampled 4/9/92 Time: Start 7:55 End 9:15
 Well Diameter 2 inches + 12 = _____ (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. 34.06 ft. Depth of water from T.O. PVC 33.19 ft.
 Depth of water from T.O.C. 19.35 ft. Depth of well from T.O. PVC 13.48 ft.
 Feet of standing water 14.71 (h) ft. Standing water (gal.) = 2.7

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{gal.}$$

PID Readings (ppm)

Breathing 0

Well 4.2

Purging method bailer Purge: Time Start 8:15 End 8:35

	1 well volume =	2 well volume =	3 well volume =	Final =	pH	Conductivity	Temperature, (C)
	<u>2.4</u> gal.	<u>2.4</u> gal.	<u>2.4</u> gal.	<u>6.45</u>	<u>6.02</u>	<u>625</u>	<u>10</u>
					<u>6.06</u>	<u>570</u>	<u>10</u>
					<u>6.06</u>	<u>590</u>	<u>10</u>
					<u>6.45</u>	<u>585</u>	<u>10.5</u>

Final water level = 18.48 (from T.O. PVC)

Sample Collection: Time Start 8:45 End 9:10

Sampling method bailer Bailer Type 13/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Comments Field Dup also

Refer to page _____ of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers SC+JB
 Well ID MW-07-02 Date Sampled 4/9/92 Time: Start 7:55 End 7:50
 Well Diameter 4" inches + 12 = 16 (d) ft. Well secured upon arrival? YIN
 Depth of well from T.O.C. 27.79 ft. ^{4/10} Depth of water from T.O. PVC 20.82 ft. ^{4/9}
 Depth of water from T.O.C. 72.43 ft. ⁽¹⁷³⁾ Depth of well from T.O. PVC 72.43 ft.
 Feet of standing water 7 (h) ft. Standing water (gal.) = 13

4/10 - rose 20 feet

Standing Water = $\pi [(d)^2 + 4] (h)$
 Volume = $3.14 [(16)^2 + 4] (7) \times 7.48 \text{ gal/ft}^3 = 13 \text{ gals.}$

PID Readings (ppm)

Breathing 0

Well 0

Purging method Brinard-Killman Purge: Time Start 9:30 End 9:50

Initial	1 well volume	2 well volume	3 well volume	Final	pH	Conductivity	Temperature, (C)
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11.69</u>	<u>1200</u>	<u>10.5</u>	
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11.80</u>	<u>1300</u>	<u>11</u>	
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11.32</u>	<u>1050</u>	<u>10</u>	
<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>11.93</u>	<u>1050</u>	<u>10</u>	

Final water level = 50.74 (from T.O. PVC)

Sample Collection: Time Start 7:35 End 7:50

Sampling method bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: clear turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? Samples preserved?

Comments

Refer to page of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name MW-08-01 Job No. 4609-18 Samplers SC+LB

Well ID Rose Hill Date Sampled 9/10/92 Time: Start 10:30 End 11:15

Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. ft. Depth of water from T.O. PVC 7.38 ft.

Depth of water from T.O.C. ft. Depth of well from T.O. PVC 14.70 ft.

Feet of standing water 7.32 (h) ft. Standing water (gal.) = (1.15) 1.2

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 0

Purging method bailer Purge: Time Start 10:40 End 10:53

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>1.25</u>	<u>gal.</u>	<u>8.34</u>	<u>110</u>	<u>8</u>
2 well volume = <u>1.25</u>	<u>gal.</u>	<u>8.21</u>	<u>120</u>	<u>8</u>
well volume = <u>1.25</u>	<u>gal.</u>	<u>7.90</u>	<u>120</u>	<u>7</u>
	<u>1.25</u>	<u>7.65</u>	<u>120</u>	<u>7</u>
Final = <u>6.74</u>			<u>120</u>	<u>7</u>

Final water level = 6.76 (from T.O. PVC)

Sample Collection: Time Start 10:55 End 11:10

Sampling method bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Comments Begin w/ Iron flock - flock left, but remained orange

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers SC + LB
 Well ID MW-08-02 Date Sampled 4/10/92 Time: Start 10³⁰ End 12¹⁰
 Well Diameter 2 inches + 12 = (d) ft. Well secured upon arrival? Y/N
 Depth of well from T.O.C. ft. Depth of water from T.O. PVC 7.48 ft.
 Depth of water from T.O.C. ft. Depth of well from T.O. PVC 27.62 ft.
 Feet of standing water 20.14 (h) ft. Standing water (gal.) = 3.3

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{ } \text{ft} \text{ })^2 + 4] (\text{ } \text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.} \end{aligned}$$

PID Readings (ppm)
 Breathing 0 CGF-0
 Well 0

Purging method bailer Purge: Time Start 11:20 End 11:45

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>3.5</u>	<u>3.5</u>	<u>8.60</u>	<u>210</u>	<u>8.5</u>
2 well volume = <u>3.5</u>	<u>3.5</u>	<u>8.61</u>	<u>200</u>	<u>9.0</u>
3 well volume = <u>3.5</u>	<u>3.5</u>	<u>7.97</u>	<u>200</u>	<u>9.0</u>
		<u>7.10</u>	<u>210</u>	<u>9.0</u>
Final =		<u>7.13</u>	<u>200</u>	<u>9.0</u>

Final water level = 7.48 (from T.O. PVC)

Sample Collection: Time Start 11:50 End 12:05

Sampling method bailer Bailer Type 1-3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae

Organic Layer? N Length? Samples preserved? N

Comments pulled up transducer @ 11:15
Started clear, got darker, got clear again

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JB+SC
 Well ID MW-12-01 Date Sampled 4/9/92 Time: Start 10:45 End 11:30
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? (Y/N)
 Depth of well from T.O.C. 18.14 ft. Depth of water from T.O. PVC 1.33 ft.
 Depth of water from T.O.C. 19.47 ft. Depth of well from T.O. PVC 19.47 ft.
 Feet of standing water 18.14 (h) ft. Standing water (gal.) = 3

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h) = 3.14 [(14)^2 + 4] (18.14) \times 7.48 \text{ gal/ft}^3 = \underline{\hspace{2cm}} \text{ gals.}$$

PID Readings (ppm)

Breathing 0

Well 5

Purging method bailer Purge: Time Start 11:00 End 11:15

	1 well volume =	2 well volume =	3 well volume =	Final =	pH	Conductivity	Temperature, (C)
	<u>3</u> gal.	<u>3</u> gal.	<u>3</u> gal.	<u>6.38</u>	<u>6.49</u>	<u>470</u>	<u>9</u>
					<u>6.22</u>	<u>440</u>	<u>9</u>
					<u>6.06</u>	<u>410</u>	<u>9</u>
					<u>6.38</u>	<u>400</u>	<u>9</u>

Final water level = 1.33 (from T.O. PVC)

Sample Collection: Time Start 11:15 End 11:30

Sampling method bailer Bailer Type 1-5/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red Orange tint

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? NO Length? Samples preserved?

Comments Removed data logger first

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JR+SC
 Well ID MW-12-02 Date Sampled 4/9/92 Time: Start 10:45 End 12:15
 Well Diameter 2 inches + 12 = 14 (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. 45.00 ft. Depth of water from T.O. PVC 1.33 ft.
 Depth of water from T.O.C. 43.67 ft. Depth of well from T.O. PVC 43.67 ft.
 Feet of standing water 42.16 (h) ft. Standing water (gal.) = 7

$$\text{Standing Water Volume} = \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{gal.}$$

PID Readings (ppm)

Breathing 0
 Well 0.8

Purging method bailer Purge: Time Start 11:30 End 11:55

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>7</u>	<u>7</u>	<u>6.33</u>	<u>120</u>	<u>10</u>
2 well volume = <u>7</u>	<u>7</u>	<u>6.55</u>	<u>110</u>	<u>10</u>
3 well volume = <u>7</u>	<u>7</u>	<u>6.48</u>	<u>120</u>	<u>10</u>
Final = <u>6.65</u>			<u>105</u>	<u>10</u>

Final water level = 1.91 (from T.O. PVC)

Sample Collection: Time Start 12:00 End 12:15

Sampling method bailer Bailer Type 1-3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red green

Describe appearance: turbid silty sand clay floaters sheen

clear by the end multiphased foaming slimy algae

Organic Layer? _____ Length? _____ Samples preserved? _____

Comments Began light green, got darker, cleared up to light green by second well volume

Refer to page _____ of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

29.58
19.62

Job Name Rese Hill Job No. 4609-18 Samplers JB+SC
Well ID MW-00-02 Date Sampled 4/9/92 Time: Start 2:30 End 3:10
Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? YN
Depth of well from T.O.C. ft. Depth of water from T.O. PVC 19.62 ft.
Depth of water from T.O.C. ft. Depth of well from T.O. PVC 29.58 ft.
Feet of standing water 9.96 (h) ft. Standing water (gal.) = (230) 27

Standing Water Volume = $\pi [(d)^2 + 4] (h)$
= $3.14 [(\text{ft})^2 + 4] (\text{ft}) \times 7.48 \text{ gal/ft}^3 = \text{ } \text{ gals.}$

PID Readings (ppm)

Breathing 0

Well 49

Purging method Water pump Purge: Time Start 2:40 End 2:45

	1 well volume =	2 well volume =	3 well volume =	Final =	pH	Conductivity	Temperature, (C)
	<u>1</u> gal.	<u>2</u> gal.	<u>1</u> gal.	<u>6.63</u>	<u>6.95</u>	<u>430</u>	<u>11.0</u>
					<u>6.80</u>	<u>450</u>	<u>11.0</u>
					<u>6.56</u>	<u>450</u>	<u>11.0</u>
					<u>6.63</u>	<u>460</u>	<u>11.0</u>

Final water level = 19.62 (from T.O. PVC)

Sample Collection: Time Start 2:45 End 3:10

Sampling method Water + bailer (VOAs + WSOs) Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? N Length? Samples preserved? N

Comments Sampled
RIDEM America

Refer to page of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JRS

Well ID DW-27 Date Sampled 4/10/92 Time: Start 8:45 End 9:45

Well Diameter 1.5 inches + 12 = (d) ft. Well secured upon arrival? (Y)N

Depth of well from T.O.C. ft. Depth of water from T.O. PVC 14.86 ft.

Depth of water from T.O.C. ft. 17.62 Depth of well from T.O. PVC 17.62 ft.

Feet of standing water 2.76 (h) ft. Standing water (gal.) = 0.25

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(1.5)^2 + 4] (2.76) \times 7.48 \text{ gal/ft}^3 = 0.25 \text{ gals.} \end{aligned}$$

PID Readings (ppm)

Breathing 0

Well 15.2 - 3.2 = 12

Purging method Waters Purge: Time Start 8:55 End 9:00

	1 well volume =	2 well volume =	3 well volume =	pH	Conductivity	Temperature, (C)
	<u>0.25</u> gal.	<u>.25</u> gal.	<u>.25</u> gal.	<u>6.60</u>	<u>1100</u>	<u>8.5</u>
				<u>6.54</u>	<u>960</u>	<u>8.5</u>
				<u>6.46</u>	<u>860</u>	<u>8.0</u>
				<u>6.38</u>	<u>880</u>	<u>8.8</u>
				<u>6.40</u>	<u>640</u>	<u>8.5</u>

Final water level = 14.93 (from T.O. PVC)

Sample Collection: Time Start 9:10 End 9:35

Sampling method Waters + bailer (WOP + WOP) Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? N Length? Samples preserved? N

Comments FDup on this well

MONITORING WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18 Samplers JB+SC

Well ID OW-30 Date Sampled 4/9/92 Time: Start 1:30 End 2:15

Well Diameter 1.5 inches + 12 = .12 (d) ft. Well secured upon arrival? YN

Depth of well from T.O.C. _____ ft. Depth of water from T.O. PVC 5.02 ft.

Depth of water from T.O.C. _____ ft. Depth of well from T.O. PVC 15.88 ft.

Feet of standing water 10.86 (h) ft. Standing water (gal.) = 0.75

Standing
Water
Volume

$$= \pi [(d)^2 + 4] (h)$$

$$= 3.14 [(.12 \text{ ft})^2 + 4] (\text{--- ft}) \times 7.48 \text{ gal/ft}^3 = \underline{0.75} \text{ gals.}$$

PID Readings (ppm)

Breathing 0

Well 12.8

Purging method Water Purge: Time Start 1:45 End 2:00

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>1</u>		<u>7.10</u>	<u>250</u>	<u>7</u>
2 well volume = <u>1</u>		<u>6.60</u>	<u>290</u>	<u>7.5</u>
well volume = <u>1</u>		<u>6.39</u>	<u>280</u>	<u>7.5</u>
Final = <u>5.07</u>		<u>6.64</u>	<u>295</u>	<u>7.5</u>

Final water level = 5.07 (from T.O. PVC)

Sample Collection: Time Start 2:00 End 2:15

Sampling method Water + bailer (VOA3 + WSA) Bailer Type 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red grey

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? N Length? _____ Samples preserved? N

Comments Equipment blank used at this well

Refer to page _____ of the corresponding field log book.

revised
9/16/91

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-18 Samplers LB+LS
 Well ID MW-06-01 Date Sampled 4/8/92 Time: Start 1010 hrs End 1045 hrs
 Well Diameter 2" inches + 12 = _____ (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. _____ ft. Depth of water from T.O. PVC 4.68 ft.
 Depth of water from T.O.C. _____ ft. Depth of well from T.O. PVC 20 ft.
 Feet of standing water ~15.5 (h) ft. Standing water (gal.) = _____

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.} \end{aligned}$$

PID Readings (ppm)
 Breathing 0.0
 Well 7.5

Purging method Bailer Purge: Time Start 1020 hrs End 1045 hrs

	Volume	pH	Conductivity	Temperature, (C)
1 well volume =	<u>2.6</u> gal.	<u>6.40</u>	<u>84</u>	<u>7°C</u>
2 well volume =	<u>5.2</u> gal.	<u>6.60</u>	<u>220</u>	<u>8°C</u>
3 well volume =	<u>7.8</u> gal.	<u>6.37*</u>	<u>2500*</u>	<u>8°C</u>

Final = _____
 Final water level = 4.80' (from T.O. PVC)

Sample Collection: Time Start 1020 hrs End 1045 hrs

Sampling method Bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____

Describe color: colorless black brown orange red _____

Describe appearance: turbid silty sand clay floaters sheen
 clear multiphased foaming slimy algae _____

Organic Layer? None Length? _____ Samples preserved? Yes

Comments * Visible Drift on Conductivity Meter
Low Bat. on pH Meter

MONITORING WELL SAMPLING WORKSHEET

Job Name ROSE HILL Job No. 004609-18 Samplers LB + LS
 Well ID MW-06-02 Date Sampled 4/8/92 Time: Start 0840 hrs End 1000 hrs
 Well Diameter 2" 2" inches + 12 = 2 (d) ft. Well secured upon arrival? YN
 Depth of well from T.O.C. 3 ft. Depth of water from T.O. PVC 33.65 4.75 ft.
 Depth of water from T.O.C. _____ ft. Depth of well from T.O. PVC 33.65 ft.
 Feet of standing water ~29 (h) ft. Standing water (gal.) = _____

$$\begin{aligned} \text{Standing Water Volume} &= \pi [(d)^2 + 4] (h) \\ &= 3.14 [(\text{---})^2 + 4] (\text{---}) \times 7.48 \text{ gal/ft}^3 = \text{---} \text{ gals.} \end{aligned}$$

PID Readings (ppm)
 Breathing 0
 Well 4 ppm

Purging method Bailer Purge: Time Start 0910 hrs End 0945 hrs

	gal.	pH	Conductivity	Temperature, (C)
1 well volume = <u>4.7</u>	<u>gal.</u>	<u>6.65</u>	<u>720</u>	<u>10°C</u>
2 well volume = <u>9.4</u>	<u>gal.</u>	<u>6.64</u>	<u>725</u>	<u>9°C</u>
3 well volume = <u>14.1</u>	<u>gal.</u>	<u>6.63</u>	<u>730</u>	<u>10°C</u>

* Low Bat. on pH meter
 Final = _____

Final water level = 4.75' (from T.O. PVC)

Sample Collection: Time Start 0950 hrs End 1000 hrs

Sampling method Bailer Bailer Type 1 3/4"

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum _____
 Describe color: colorless black brown orange red _____
 Describe appearance: turbid muddy silty sand clay floaters sheen _____
clear multiphased foaming slimy algae _____

Organic Layer? None Length? _____ Samples preserved? Yes

Comments Bailer was used for Equipment Blank
4/7/92

Refer to page _____ of the corresponding field log book.

WELL SAMPLING WORKSHEETS - SEPTEMBER 1993

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4601-18-10-3 Samplers S. Czarniecki + N. Ber.

Well ID RKJ Date Sampled 9/22/93 Time: Start 10⁰⁰ End

Resident's Name Kathleen Jones

Water Collected from: Front spigot
(i.e. spigot/hose)

Purging method spigot

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 10⁰² End 10³⁴

	Time	pH	Conductivity (µS)	Temperature (°C)
1 volume =	<u>10⁰⁷</u>	<u>6.05</u>	<u>92</u> 100	<u>56°F</u>
2 volume =	<u>10¹²</u>	<u>5.90</u>	<u>66</u>	<u>56°F</u>
3 volume =	<u>10¹⁷</u>	<u>—</u>	<u>66</u>	<u>56°F</u>
pH low battery →	<u>10²⁶</u>	<u>6.00</u>	<u>68</u>	<u>56°F</u>
	<u>10³¹</u>	<u>6.00</u>	<u>60</u>	<u>58°F</u>
	<u>11¹⁵</u>	Final =	<u>bead battery</u>	

Sample Collection: Time Start 10³⁵ End 11¹⁵

Sampling Method Spigot

Sample Collection Flow Rate ~.5 gpm for vac's ~1 gpm for the rest

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen
clear multiphased foaming slimy algae

Organic Layer? Length? Samples preserved?

Collection Area Description:

Comments

Refer to page of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18-10-3 Samplers S. Czarniecki + N. Bric

Well ID RDW Date Sampled 9/21/93 Time: Start 11¹⁰ End 11³⁵

Resident's Name Webster

Water Collected from: spigot in back yard
(i.e. spigot/hose)

Purging method spigot

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 11¹⁰ End 11²⁷

	Time	pH	Conductivity	Temperature, (°C)
1 volume =	<u>11¹⁵</u>	<u>8.20</u>	<u>150</u>	<u>55°F</u>
2 volume =	<u>11²⁰</u>	<u>8.09</u>	<u>150</u>	<u>55°F</u>
3 volume =	<u>11²⁵</u>	<u>8.16</u>	<u>160</u>	<u>54.5°F</u>
	<u>11³⁰</u> Final =	<u>8.14</u>	<u>150</u>	<u>54.0°F</u>

Sample Collection: Time Start 11²⁸ End 11³¹

Sampling Method spigot

Sample Collection Flow Rate ~3 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: Scenic yard

Comments _____

Refer to page _____ of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 460718-10-3 Samplers S. Czarniecki & N. Bergeron

Well ID RTX (Keefe) Date Sampled 9/21/93 Time: Start 10²⁵ End 10⁵¹

Resident's Name Thomas Keefe

Water Collected from: spigot under kitchen window
(i.e. spigot/hose)

Purging method hose from spigot

Purge Flow Rate: 3 (gpm)

Purge: Time Start 10²⁶ End 10⁴⁰

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>10³⁰</u>	<u>5.85</u>	<u>120</u>	<u>61.5°F</u>
2 volume =	<u>10³⁵</u>	<u>5.79</u>	<u>100</u>	<u>60.5°F</u>
3 volume =	<u>10⁴⁰</u>	<u>5.72</u>	<u>110</u>	<u>60.0°F</u>
	<u>10⁴⁶</u>	<u>5.70</u>	<u>100</u>	<u>60.0°F</u>
	Final =			

Sample Collection: Time Start 10⁴² End 10⁴⁵

Sampling Method spigot

Sample Collection Flow Rate 1 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: spigot ~ 8" above ground

Comments _____

Refer to page _____ of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4601-18-10-3 Samplers S. Czarniecki + N. Bracke

Well ID RET Date Sampled 9/21/93 Time: Start 13¹² End 13³⁰

Resident's Name Tompson

Water Collected from: spigot on South of House
(i.e. spigot/hose)

Purging method spigot

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 13¹² End 13³⁰

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>13¹⁷</u>	<u>5.87</u>	<u>100</u>	<u>62°F</u>
2 volume =	<u>13²²</u>	<u>5.76</u>	<u>90</u>	<u>60°F</u>
3 volume =	<u>13²⁷</u>	<u>5.74</u>	<u>90</u>	<u>60°F</u>
	<u>13³² Final =</u>	<u>5.73</u>	<u>90</u>	<u>60°F</u>

Sample Collection: Time Start 13³⁰ End 13³²

Sampling Method spigot

Sample Collection Flow Rate ~3 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: Spigot - plastic attachment ~ 2" long - since we are sampling for metals - no worry

Comments _____

Refer to page _____ of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rosehill Job No. 4609-18-10-3 Samplers S. Cerniecki & N. Burger

Well ID RSM Date Sampled 9-23-93 Time: Start 10⁵² End 11²⁰

Resident's Name Jeanne McDonald

Water Collected from: spigot back
(i.e. spigot/hose)

Purging method spigot + hose

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 10⁵² End 11⁰⁵

	Time	pH	Conductivity	Temperature, (°C)
1 volume =	<u>10⁵⁵</u>	<u>6.16</u>	<u>100</u>	<u>54°F</u>
2 volume =	<u>11⁰⁰</u>	<u>6.08</u>	<u>100</u>	<u>54°F</u>
3 volume =	<u>11⁰⁵</u>	<u>(same as previous)</u>	<u>(same as previous)</u>	<u>(same as previous)</u>
	<u>11¹⁸</u>	Final = <u>6.01</u>	<u>100</u>	<u>54°F</u>

Sample Collection: Time Start 11⁰⁰ End 11¹⁷

Sampling Method spigot

Sample Collection Flow Rate ~1 gpm (~1/2 gpm for VOC's)

Sample Characteristics (Circle all applicable)

Describe odor: (none) sulfide fishy musty petroleum

Describe color: (colorless) black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

(clear) multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: _____

Comments _____

Refer to page _____ of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

RJM-09 805

Job Name Rosehill Job No. 4609-18-10-3 Samplers S. Cearnicki & N. Ben

Well ID RJM Date Sampled 9-23-93 Time: Start 9:10⁰⁰ End 10³⁴

Resident's Name Jeanne McDonald

Water Collected from: Spigot front side left
(i.e. spigot/hose)

Purging method spigot + hose

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 10⁰⁰ End 10²⁰

	Time	pH	Conductivity	Temperature, (°C)
1 volume =	<u>10⁰⁵</u>	<u>6.37</u>	<u>120</u>	<u>53°F</u>
2 volume =	<u>10¹⁰</u>	<u>6.29</u>	<u>120</u>	<u>53°F</u>
3 volume =	<u>10¹⁵</u>	<u>6.08</u>	<u>120</u>	<u>53°F</u>
	<u>10²⁰</u>	<u>6.07</u>	<u>110</u>	<u>53°F</u>
	<u>10³⁴</u> Final =	<u>6.07</u>	<u>110</u>	<u>54°F</u>

Sample Collection: Time Start 10²¹ End 10³²

Sampling Method spigot

Sample Collection Flow Rate ~1 gpm (~1/2 gpm for vol)

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: _____

Comments _____

Refer to page _____ of the corresponding field log book.

revised
8/13/91

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4601-1810-3 Samplers S. Czarniecki + N. Bergman

Well ID RCG Date Sampled 9/23/93 Time: Start 9:15 End 9:50

Resident's Name Carolyn Griswald

Water Collected from: Spigot near Stk 66
(i.e. spigot/hose)

Purging method Spigot

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 9:15 End 9:40

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>9:20</u>		<u>180</u>	<u>56°F</u>
2 volume =	<u>9:25</u>	<u>8.55</u>	<u>170</u>	<u>55°F</u>
3 volume =	<u>9:30</u>	<u>8.62</u>	<u>160</u>	<u>54°F</u>
	<u>9:35</u>	<u>8.60</u>	<u>160</u>	<u>54°F</u>
Final	<u>9:45</u>	<u>8.24</u>	<u>150</u>	<u>55°F</u>

Sample Collection: Time Start 9:40 End 9:45

Sampling Method Spigot

Sample Collection Flow Rate ~1 gpm ~ 1/2 for voc's

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: _____

Comments _____

Refer to page _____ of the corresponding field log book.

RESIDENTIAL WELL SAMPLING WORKSHEET

Job Name Rose Hill Job No. 4609-18-10-3 Samplers S. Czarnecki & N. Berger
 Well ID RDC Date Sampled 9/22/93 Time: Start 16⁵⁸ End 16[~]

Resident's Name Cox

Water Collected from: Spigot
 (i.e. spigot/hose)

Purging method Spigot > hose

Purge Flow Rate: ~3 (gpm)

Purge: Time Start 16⁰⁰ End 16¹⁶

	Time	pH	Conductivity	Temperature, (C)
1 volume =	<u>16⁰⁵</u>	<u>6.80</u>	<u>100</u>	<u>55°F</u>
2 volume =	<u>16¹⁰</u>	<u>6.78</u>	<u>100</u>	<u>54°F</u>
3 volume =	<u>16¹⁵</u>	<u>6.76</u>	<u>100</u>	<u>54°F</u>
	<u>16²³</u>	Final = <u>6.65</u>	<u>100</u>	<u>54°F</u>

Sample Collection: Time Start 16¹⁶ End 16²²

Sampling Method Spigot

Sample Collection Flow Rate ~1 gpm

Sample Characteristics (Circle all applicable)

Describe odor: none sulfide fishy musty petroleum

Describe color: colorless black brown orange red

Describe appearance: turbid silty sand clay floaters sheen

clear multiphased foaming slimy algae

Organic Layer? No Length? _____ Samples preserved? _____

Collection Area Description: back of house - spigot

Comments _____

Refer to page _____ of the corresponding field log book.

D-4 DATA FLAG NOTES

NOTES FOR ROSE HILL ANALYTICAL DATA, REMEDIAL INVESTIGATION, NOVEMBER 1992

IDL - Instrument Detection Limit

CRQL - Contract Required Quantitation Limit

CRDL - Contract Required Detection Limit

QL - Quantitation Limit

U - Value reported is the sample detection limit

J - Quantitation is approximate due to limitations identified during laboratory analysis or in the quality control review

UJ - Sample detection limit is approximate due to limitations identified in the quality control review

R - Value is rejected

D-5 M&E SAMPLE IDs CROSS-REFERENCED TO CLP NUMBERS

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SURFACE SOILS			
SS-01-0.0-0.5-NX-S-239-2	SUBCONTRACT	2	
SS-01-0.0-0.5-NX-S-239-2	CLP-ORGANIC	2	AZ454
SS-01-0.0-0.5-NX-S-239-2	CLP-INORGTOT	2	MAX331
SS-02-0.0-0.5-NX-S-240-2	SUBCONTRACT	2	
SS-02-0.0-0.5-NX-S-240-2	CLP-ORGANIC	2	AZ455
SS-02-0.0-0.5-NX-S-240-2	CLP-INORGTOT	2	MAX332
SS-03-0.0-0.5-NX-S-241-2	SUBCONTRACT	2	
SS-03-0.0-0.5-NX-S-241-2	CLP-ORGANIC	2	AZ468
SS-03-0.0-0.5-NX-S-241-2	CLP-INORGTOT	2	MAX339
SS-04-0.0-0.5-NX-S-242-2	SUBCONTRACT	2	
SS-04-0.0-0.5-NX-S-242-2	CLP-ORGANIC	2	AZ466
SS-04-0.0-0.5-NX-S-242-2	CLP-INORGTOT	2	MAX337
SS-05-0.0-0.5-NX-S-243-2	SUBCONTRACT	2	
SS-05-0.0-0.5-NX-S-243-2	CLP-ORGANIC	2	AZ469
SS-05-0.0-0.5-NX-S-243-2	CLP-INORGTOT	2	MAX340
SS-06-0.0-0.5-NX-S-244-2	SUBCONTRACT	2	
SS-06-0.0-0.5-NX-S-244-2	CLP-ORGANIC	2	AZ470
SS-06-0.0-0.5-NX-S-244-2	CLP-INORGTOT	2	MAX341
SS-07-0.0-0.5-FD-S-326-2	SUBCONTRACT	2	
SS-07-0.0-0.5-FD-S-326-2	CLP-ORGANIC	2	AZ461
SS-07-0.0-0.5-FD-S-326-2	CLP-INORGTOT	2	MAX602
SS-07-0.0-0.5-NX-S-245-2	SUBCONTRACT	2	
SS-07-0.0-0.5-NX-S-245-2	CLP-ORGANIC	2	AZ459
SS-07-0.0-0.5-NX-S-245-2	CLP-INORGTOT	2	MAX600
SS-08-0.0-0.5-NX-S-246-2	SUBCONTRACT	2	
SS-08-0.0-0.5-NX-S-246-2	CLP-ORGANIC	2	AZ460
SS-08-0.0-0.5-NX-S-246-2	CLP-INORGTOT	2	MAX601
SS-09-0.0-0.5-FD-S-325-2	SUBCONTRACT	2	
SS-09-0.0-0.5-FD-S-325-2	CLP-ORGANIC	2	AZ474
SS-09-0.0-0.5-FD-S-325-2	CLP-INORGTOT	2	MAX345
SS-09-0.0-0.5-NX-S-247-2	SUBCONTRACT	2	
SS-09-0.0-0.5-NX-S-247-2	CLP-ORGANIC	2	AZ473
SS-09-0.0-0.5-NX-S-247-2	CLP-INORGTOT	2	MAX344
SS-10-0.0-0.5-NX-S-248-2	SUBCONTRACT	2	
SS-10-0.0-0.5-NX-S-248-2	CLP-ORGANIC	2	AZ465
SS-10-0.0-0.5-NX-S-248-2	CLP-INORGTOT	2	MAX606
SS-11-0.0-0.5-NX-S-249-2	SUBCONTRACT	2	
SS-11-0.0-0.5-NX-S-249-2	CLP-ORGANIC	2	AZ463
SS-11-0.0-0.5-NX-S-249-2	CLP-INORGTOT	2	MAX605
SS-12-0.0-0.5-NX-S-250-2	SUBCONTRACT	2	
SS-12-0.0-0.5-NX-S-250-2	CLP-ORGANIC	2	AZ464
SS-12-0.0-0.5-NX-S-250-2	CLP-INORGTOT	2	MAX604
SS-13-0.0-0.5-NX-S-338-2	SUBCONTRACT	2	
SS-13-0.0-0.5-NX-S-338-2	CLP-ORGANIC	2	AZ467
SS-13-0.0-0.5-NX-S-338-2	CLP-INORGTOT	2	MAX338
SS-14-0.0-1.0-NX-S-623-4	CLP-ORGANIC	4	ABJ47
SS-14-0.0-1.0-NX-S-623-4	CLP-ORGANIC	4	ABJ47RE
SS-14-0.0-1.0-NX-S-623-4	CLP-INORGTOT	4	MAAA75
SS-15-0.0-1.0-NX-S-624-4	CLP-ORGANIC	4	ABJ52
SS-15-0.0-1.0-NX-S-624-4	CLP-INORGTOT	4	MAAA80
SS-16-0.0-0.5-NX-S-625-4	CLP-ORGANIC	4	ABJ44
SS-16-0.0-0.5-NX-S-625-4	CLP-INORGTOT	4	MAAA73
SS-17-0.0-1.0-NX-S-626-4	CLP-ORGANIC	4	ABJ45
SS-17-0.0-1.0-NX-S-626-4	CLP-INORGTOT	4	MAAA74
SS-18-0.0-1.0-NX-S-627-4	CLP-ORGANIC	4	ABJ53
SS-18-0.0-1.0-NX-S-627-4	CLP-ORGANIC	4	ABJ53RE
SS-18-0.0-1.0-NX-S-627-4	CLP-INORGTOT	4	MAAA81

ROSE HILL ANALYTICAL DATA
M&E SAMPLE IDs CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SS-19-0.0-1.0-NX-S-628-4	CLP-ORGANIC	4	ABJ41
SS-19-0.0-1.0-NX-S-628-4	CLP-ORGANIC	4	ABJ41RE
SS-19-0.0-1.0-NX-S-628-4	CLP-INORGTOT	4	MAAA70
SS-20-0.0-1.0-NX-S-629-4	CLP-ORGANIC	4	ABJ42
SS-20-0.0-1.0-NX-S-629-4	CLP-ORGANIC	4	ABJ42RE
SS-20-0.0-1.0-NX-S-629-4	CLP-INORGTOT	4	MAAA71
SS-21-0.0-1.0-NX-S-630-4	CLP-ORGANIC	4	ABJ43
SS-21-0.0-1.0-NX-S-630-4	CLP-INORGTOT	4	MAAA72
SS-22-0.0-1.0-FD-S-673-4	CLP-ORGANIC	4	ABJ50
SS-22-0.0-1.0-FD-S-673-4	CLP-INORGTOT	4	MAAA78
SS-22-0.0-1.0-NX-S-631-4	CLP-ORGANIC	4	ABJ49
SS-22-0.0-1.0-NX-S-631-4	CLP-ORGANIC	4	ABJ49RE
SS-22-0.0-1.0-NX-S-631-4	CLP-INORGTOT	4	MAAA77
SS-23-0.0-0.5-NX-S-632-4	CLP-ORGANIC	4	ABJ48
SS-23-0.0-0.5-NX-S-632-4	CLP-ORGANIC	4	ABJ48RE
SS-23-0.0-0.5-NX-S-632-4	CLP-INORGTOT	4	MAAA76
SS-24-0.0-1.0-NX-S-677-4	CLP-ORGANIC	4	ABJ51
SS-24-0.0-1.0-NX-S-677-4	CLP-INORGTOT	4	MAAA79
SUBSURFACE SOILS			
BH-01-02-08-NX-B-125-2	SUBCONTRACT	2	
BH-01-02-08-NX-B-125-2	CLP-ORGANIC	2	AAJ30
BH-01-02-08-NX-B-125-2	CLP-INORGTOT	2	MAW572
BH-01-04-06-NX-B-125-2	CLP-ORGANIC	2	AAJ31
BH-01-04-12-NX-B-126-2	CLP-INORGTOT	2	MAW571
BH-01-8-12-NX-B-126-2	CLP-ORGANIC	2	AAJ29
BH-02-08-10-NX-B-127-2	CLP-ORGANIC	2	AAJ26
BH-02-08-10-NX-B-127-2	CLP-INORGTOT	2	MAW568
BH-02-16-18-FD-B-154-2	CLP-ORGANIC	2	AAJ28
BH-02-16-18-FD-B-154-2	CLP-INORGTOT	2	MAW570
BH-02-16-18-NX-B-128-2	CLP-ORGANIC	2	AAJ27
BH-02-16-18-NX-B-128-2	CLP-INORGTOT	2	MAW569
BH-03-02-04-NX-B-129-2	CLP-ORGANIC	2	AAJ32
BH-03-02-04-NX-B-129-2	CLP-INORGTOT	2	MAW573
BH-03-16-18-NX-B-130-2	CLP-INORGTOT	2	MAW574
BH-03-16-20-NX-B-130-2	SUBCONTRACT	2	
BH-03-16-20-NX-B-130-2	CLP-ORGANIC	2	AAJ34
BH-03-18-20-NX-B-130-2	CLP-ORGANIC	2	AAJ33
BH-04-04-06-NX-B-131-2	CLP-ORGANIC	2	AAJ37
BH-04-04-06-NX-B-131-2	CLP-INORGTOT	2	MAW577
BH-04-08-10-NX-B-132-2	CLP-ORGANIC	2	AAJ38
BH-04-08-10-NX-B-132-2	CLP-INORGTOT	2	MAW578
BH-05-00-02-NX-B-133-2	CLP-ORGANIC	2	AAJ39
BH-05-00-02-NX-B-133-2	CLP-ORGANIC	2	AAJ40
BH-05-00-04-NX-B-133-2	CLP-INORGTOT	2	MAW579
BH-05-10-16-FD-B-153-2	SUBCONTRACT	2	
BH-05-10-16-FD-B-153-2	CLP-ORGANIC	2	AAJ44
BH-05-10-16-FD-B-153-2	CLP-INORGTOT	2	MAW581
BH-05-10-16-NX-B-134-2	SUBCONTRACT	2	
BH-05-10-16-NX-B-134-2	CLP-ORGANIC	2	AAJ42
BH-05-10-16-NX-B-134-2	CLP-INORGTOT	2	MAW580
BH-05-12-14-FD-B-153-2	CLP-ORGANIC	2	AAJ43
BH-05-12-14-NX-B-134-2	CLP-ORGANIC	2	AAJ41
BH-06-02-04-NX-B-135-2	CLP-ORGANIC	2	AAJ46
BH-06-02-04-NX-B-135-2	CLP-INORGTOT	2	MAW582
BH-06-06-10-NX-B-136-2	SUBCONTRACT	2	
BH-06-06-10-NX-B-136-2	CLP-ORGANIC	2	AAJ48
BH-06-06-10-NX-B-136-2	CLP-INORGTOT	2	MAW583

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
BH-06-08-10-NX-B-136-2	CLP-ORGANIC	2	AAJ47
BH-07-04-06-NX-B-138-2	CLP-ORGANIC	2	AAK01
BH-07-04-08-NX-B-138-2	CLP-ORGANIC	2	AAK02
BH-07-04-08-NX-B-138-2	CLP-INORGTOT	2	MAW584
BH-07-04-14-NX-B-138-2	SUBCONTRACT	2	
BH-07-14-16-NX-B-137-2	CLP-ORGANIC	2	AAK03
BH-07-14-18-NX-B-137-2	CLP-ORGANIC	2	AAK04
BH-07-14-18-NX-B-137-2	CLP-INORGTOT	2	MAW585
BH-08-0-02-NX-B-139-2	SUBCONTRACT	2	
BH-08-0-04-NX-B-139-2	SUBCONTRACT	2	
BH-09-0-02-NX-B-141-2	SUBCONTRACT	2	
BH-09-0-04-NX-B-141-2	SUBCONTRACT	2	
BH-10-0-02-NX-B-143-2	SUBCONTRACT	2	
BH-10-0-04-NX-B-143-2	SUBCONTRACT	2	
BH-11-0-02-NX-B-155-2	SUBCONTRACT	2	
BH-11-0-04-NX-B-155-2	SUBCONTRACT	2	
BH-12-0-02-FD-B-144-2	SUBCONTRACT	2	
BH-12-0-02-NX-B-156-2	SUBCONTRACT	2	
BH-12-0-04-FD-B-144-2	SUBCONTRACT	2	
BH-12-0-04-NX-B-156-2	SUBCONTRACT	2	
LEACHATE			
LE-01-0.8-1.0-NX-06-24-L-075	SAS-BOD/TOC	1	6240A-018
LE-01-0.8-1.0-NX-06-24-L-075	CLP-ORGANIC	1	AY029
LE-01-0.8-1.0-NX-06-24-L-075	CLP-INORGTOT	1	MAW526
LE-01-0.8-1.0-NX-06-24-L-075	CLP-METALDIS	1	MAW527
LE-01-0.8-1.0-NX-06-28-L-75A	SAS-BOD/TOC	1	6240A-047
LE-02-0.8-1.0-NX-06-25-L-076	SAS-BOD/TOC	1	6240A-027
LE-02-0.8-1.0-NX-06-25-L-076	CLP-ORGANIC	1	AY043
LE-02-0.8-1.0-NX-06-25-L-076	CLP-INORGTOT	1	MAT036
LE-02-0.8-1.0-NX-06-25-L-076	CLP-METALDIS	1	MAT037
LE-03-0.8-1.0-NX-06-24-L-077	SAS-BOD/TOC	1	6240A-020
LE-03-0.8-1.0-NX-06-24-L-077	CLP-ORGANIC	1	AY032
LE-03-0.8-1.0-NX-06-24-L-077	CLP-INORGTOT	1	MAW531
LE-03-0.8-1.0-NX-06-24-L-077	CLP-METALDIS	1	MAW532
LE-03-0.8-1.0-NX-06-28-L-077	SAS-BOD/TOC	1	6240A-048
LE-04-0-0-FD-06-24-L-086	SAS-BOD/TOC	1	6240A-021
LE-04-0-0-FD-06-24-L-086	CLP-ORGANIC	1	AY034
LE-04-0-0-FD-06-24-L-086	CLP-INORGTOT	1	MAW533
LE-04-0-0-FD-06-24-L-086	CLP-METALDIS	1	MAW534
LE-04-0-0-NX-06-24-L-078	SAS-BOD/TOC	1	6240A-022
LE-04-0-0-NX-06-24-L-078	CLP-ORGANIC	1	AY035
LE-04-0-0-NX-06-24-L-078	CLP-INORGTOT	1	MAW535
LE-04-0-0-NX-06-24-L-078	CLP-METALDIS	1	MAW536
LE-04-0.3-0.8-FD-06-28-W-086	SAS-BOD/TOC	1	6240A-053
LE-04-0.8-1.0-NX-06-28-L-086	SAS-BOD/TOC	1	6240A-049
LE-05-0.0-0.3-FD-L-687-4	CLP-ORGANIC	4	ABJ31
LE-05-0.0-0.3-FD-L-687-4	CLP-INORGTOT	4	MAAA53
LE-05-0.0-0.3-FD-L-687-4	CLP-METALDIS	4	MAAA54
LE-05-0.0-0.3-FD-L-687-4	SAS-BOD/TOC	4	SA0430
LE-05-0.0-0.3-NX-L-685-4	CLP-ORGANIC	4	ABJ11
LE-05-0.0-0.3-NX-L-685-4	CLP-INORGTOT	4	MAAA17
LE-05-0.0-0.3-NX-L-685-4	CLP-METALDIS	4	MAAA18
LE-05-0.0-0.3-NX-L-685-4	SAS-BOD/TOC	4	SA0412
LE-05-0.0-0.3-NX-L-686-4	CLP-ORGANIC	4	ABJ32
LE-05-0.0-0.3-NX-L-686-4	CLP-INORGTOT	4	MAAA55
LE-05-0.0-0.3-NX-L-686-4	CLP-METALDIS	4	MAAA56
LE-05-0.0-0.3-NX-L-686-4	SAS-BOD/TOC	4	SA0431

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
LE-05-0.0-0.5-NX-L-684-4	CLP-ORGANIC	4	ABJ05
LE-05-0.0-0.5-NX-L-684-4	CLP-INORGTOT	4	MAAA07
LE-05-0.0-0.5-NX-L-684-4	CLP-METALDIS	4	MAAA08
LE-05-0.0-0.5-NX-L-684-4	SAS-BOD/TOC	4	SA0407
LE-05-0.8-1.0-NX-06-24-L-079	SAS-BOD/TOC	1	6240A-023
LE-05-0.8-1.0-NX-06-24-L-079	CLP-ORGANIC	1	AY036
LE-05-0.8-1.0-NX-06-24-L-079	CLP-INORGTOT	1	MAW537
LE-05-0.8-1.0-NX-06-24-L-079	CLP-METALDIS	1	MAW538
LE-05-0.8-1.0-NX-06-28-L-079	SAS-BOD/TOC	1	6240A-050
LE-06-0-0.5-NX-06-25-L-080	SAS-BOD/TOC	1	6240A-029
LE-06-0-0.5-NX-06-25-L-080	CLP-ORGANIC	1	AY046
LE-06-0-0.5-NX-06-25-L-080	CLP-ORGANIC	1	AY046RE
LE-06-0-0.5-NX-06-25-L-080	CLP-INORGTOT	1	MAT042
LE-06-0-0.5-NX-06-25-L-080	CLP-METALDIS	1	MAT0443
GROUNDWATER			
EMW-01-0-NX-06-20-G-004	SAS-SULFIDE	1	6206A-012
EMW-01-0-NX-06-20-G-004	SAS-BOD/TOC	1	6240A-009
EMW-01-0-NX-06-20-G-004	CLP-ORGANIC	1	AY013
EMW-01-0-NX-06-20-G-004	CLP-INORGTOT	1	MAW548
EMW-01-0-NX-06-20-G-004	CLP-METALDIS	1	MAW549
EMW-01-00-NX-G-176-2	SAS-BOD/TOC	2	6699A-021
EMW-01-00-NX-G-176-2	SAS-WSO	2	6746A-021
EMW-01-00-NX-G-176-2	CLP-ORGANIC	2	AZ487
EMW-01-00-NX-G-176-2	CLP-INORGTOT	2	MAX367
EMW-01-00-NX-G-176-2	CLP-METALDIS	2	MAX368
EMW-02-0-NX-06-20-G-005	SAS-SULFIDE	1	6206A-013
EMW-02-0-NX-06-20-G-005	SAS-BOD/TOC	1	6240A-010
EMW-02-0-NX-06-20-G-005	CLP-ORGANIC	1	AY014
EMW-02-0-NX-06-20-G-005	CLP-INORGTOT	1	MAT020
EMW-02-0-NX-06-20-G-005	CLP-METALDIS	1	MAT021
EMW-02-00-NX-G-177-2	SAS-BOD/TOC	2	6699A-022
EMW-02-00-NX-G-177-2	SAS-SULFIDE	2	6719A-027
EMW-02-00-NX-G-177-2	SAS-WSO	2	6746A-022
EMW-02-00-NX-G-177-2	CLP-ORGANIC	2	AZ489
EMW-02-00-NX-G-177-2	CLP-INORGTOT	2	MAX369
EMW-02-00-NX-G-177-2	CLP-METALDIS	2	MAX370
EMW-02-00-NX-G-604-4	CLP-ORGANIC	4	ABJ29
EMW-03-0-FD-06-26-G-018	SAS-SULFIDE	1	6206A-049
EMW-03-0-FD-06-26-G-018	SAS-BOD/TOC	1	6240A-039
EMW-03-0-FD-06-26-G-018	CLP-ORGANIC	1	AAJ13
EMW-03-0-FD-06-26-G-018	CLP-INORGTOT	1	MAT069
EMW-03-0-FD-06-26-G-018	CLP-METALDIS	1	MAW550
EMW-03-0-NX-06-26-G-006	SAS-SULFIDE	1	6206A-048
EMW-03-0-NX-06-26-G-006	SAS-BOD/TOC	1	6240A-038
EMW-03-0-NX-06-26-G-006	CLP-ORGANIC	1	AAJ12
EMW-03-0-NX-06-26-G-006	CLP-INORGTOT	1	MAT067
EMW-03-0-NX-06-26-G-006	CLP-METALDIS	1	MAT068
EMW-03-00-NX-G-178-2	SAS-BOD/TOC	2	6699A-024
EMW-03-00-NX-G-178-2	SAS-SULFIDE	2	6719A-029
EMW-03-00-NX-G-178-2	SAS-WSO	2	6746A-024
EMW-03-00-NX-G-178-2	CLP-ORGANIC	2	AZ491
EMW-03-00-NX-G-178-2	CLP-INORGTOT	2	MAX373
EMW-03-00-NX-G-178-2	CLP-METALDIS	2	MAX374
EMW-04-0-NX-06-26-G-007	SAS-SULFIDE	1	6206A-051
EMW-04-0-NX-06-26-G-007	SAS-BOD/TOC	1	6240A-041
EMW-04-0-NX-06-26-G-007	CLP-ORGANIC	1	AAJ15
EMW-04-0-NX-06-26-G-007	CLP-INORGTOT	1	MAW553

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
EMW-04-0-NX-06-26-G-007	CLP-METALDIS	1	MAW554
EMW-04-00-NX-G-179-2	SAS-BOD/TOC	2	6699A-025
EMW-04-00-NX-G-179-2	SAS-SULFIDE	2	6719A-030
EMW-04-00-NX-G-179-2	SAS-WSO	2	6746A-025
EMW-04-00-NX-G-179-2	CLP-ORGANIC	2	AZ492
EMW-04-00-NX-G-179-2	CLP-INORGTOT	2	MAX375
EMW-04-00-NX-G-179-2	CLP-METALDIS	2	MAX376
EMW-05-0-NX-06-27-G-008	SAS-SULFIDE	1	6206A-054
EMW-05-0-NX-06-27-G-008	SAS-BOD/TOC	1	6240A-044
EMW-05-0-NX-06-27-G-008	CLP-ORGANIC	1	AAJ19
EMW-05-0-NX-06-27-G-008	CLP-INORGTOT	1	MAW559
EMW-05-0-NX-06-27-G-008	CLP-METALDIS	1	MAW560
EMW-05-00-NX-G-180-2	SAS-BOD/TOC	2	6699A-030
EMW-05-00-NX-G-180-2	SAS-SULFIDE	2	6719A-038
EMW-05-00-NX-G-180-2	SAS-WSO	2	6746A-030
EMW-05-00-NX-G-180-2	CLP-ORGANIC	2	AAK50
EMW-05-00-NX-G-180-2	CLP-INORGTOT	2	MAX388
EMW-05-00-NX-G-180-2	CLP-METALDIS	2	MAX389
EMW-14-01-00-NX-G-176-2	SAS-SULFIDE	2	6719A-026
BOW-02-00-NX-G-604-4	CLP-INORGTOT	4	MAAA49
BOW-02-00-NX-G-604-4	CLP-METALDIS	4	MAAA50
BOW-02-00-NX-G-604-4	SAS-BOD/TOC	4	SA0428
BOW-25-0-NX-06-27-G-001	SAS-SULFIDE	1	6206A-057
BOW-25-0-NX-06-27-G-001	CLP-ORGANIC	1	AAJ23
BOW-25-0-NX-06-27-G-001	CLP-INORGTOT	1	MAW566
BOW-25-0-NX-06-27-G-001	CLP-METALDIS	1	MAW567
BOW-27-0-NX-06-27-G-002	SAS-SULFIDE	1	6206A-055
BOW-27-0-NX-06-27-G-002	SAS-BOD/TOC	1	6240A-045
BOW-27-0-NX-06-27-G-002	CLP-ORGANIC	1	AAJ21
BOW-27-0-NX-06-27-G-002	CLP-INORGTOT	1	MAW561
BOW-27-0-NX-06-27-G-002	CLP-METALDIS	1	MAW562
BOW-27-00-FD-G-667-4	CLP-ORGANIC	4	ABJ35
BOW-27-00-FD-G-667-4	CLP-INORGTOT	4	MAAA59
BOW-27-00-FD-G-667-4	CLP-METALDIS	4	MAAA60
BOW-27-00-FD-G-667-4	SAS-BOD/TOC	4	SA0433
BOW-27-00-NX-G-174-2	SAS-BOD/TOC	2	6699A-029
BOW-27-00-NX-G-174-2	SAS-SULFIDE	2	6719A-037
BOW-27-00-NX-G-174-2	SAS-WSO	2	6746A-029
BOW-27-00-NX-G-174-2	CLP-ORGANIC	2	AZ499
BOW-27-00-NX-G-174-2	CLP-INORGTOT	2	MAX386
BOW-27-00-NX-G-174-2	CLP-METALDIS	2	MAX387
BOW-27-00-NX-G-503-3	SAS-BOD/TOC	3	7012A-025
BOW-27-00-NX-G-503-3	CLP-ORGANIC	3	ABH70
BOW-27-00-NX-G-503-3	CLP-INORGTOT	3	MAZ054
BOW-27-00-NX-G-503-3	CLP-METALDIS	3	MAZ055
BOW-27-00-NX-G-600-4	CLP-ORGANIC	4	ABJ34
BOW-27-00-NX-G-600-4	CLP-INORGTOT	4	MAAA57
BOW-27-00-NX-G-600-4	CLP-METALDIS	4	MAAA58
BOW-27-00-NX-G-600-4	SAS-BOD/TOC	4	SA0432
BOW-30-0-NX-06-27-G-003	SAS-SULFIDE	1	6206A-056
BOW-30-0-NX-06-27-G-003	SAS-BOD/TOC	1	6240A-046
BOW-30-0-NX-06-27-G-003	CLP-ORGANIC	1	AAJ22
BOW-30-0-NX-06-27-G-003	CLP-INORGTOT	1	MAW563
BOW-30-0-NX-06-27-G-003	CLP-METALDIS	1	MAW564
BOW-30-00-FD-G-315-2	SAS-BOD/TOC	2	6699A-035
BOW-30-00-FD-G-315-2	SAS-SULFIDE	2	6719A-045
BOW-30-00-FD-G-315-2	SAS-WSO	2	6746A-035
BOW-30-00-FD-G-315-2	CLP-ORGANIC	2	AAK58
BOW-30-00-FD-G-315-2	CLP-INORGTOT	2	MAX607

ROSE HILL ANALYTICAL DATA
M&E SAMPLE IDs CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
BOW-30-00-FD-G-315-2	CLP-METALDIS	2	MAX608
BOW-30-00-NX-G-175-2	SAS-BOD/TOC	2	6699A-038
BOW-30-00-NX-G-175-2	SAS-SULFIDE	2	6719A-049
BOW-30-00-NX-G-175-2	SAS-WSO	2	6746A-038
BOW-30-00-NX-G-175-2	CLP-ORGANIC	2	AAK62
BOW-30-00-NX-G-175-2	CLP-INORGTOT	2	MAX615
BOW-30-00-NX-G-175-2	CLP-METALDIS	2	MAX616
BOW-30-00-NX-G-504-3	SAS-BOD/TOC	3	7012A-026
BOW-30-00-NX-G-504-3	CLP-ORGANIC	3	ABH71
BOW-30-00-NX-G-504-3	CLP-INORGTOT	3	MAZ056
BOW-30-00-NX-G-504-3	CLP-METALDIS	3	MAZ057
BOW-30-00-NX-G-601-4	CLP-ORGANIC	4	ABJ28
BOW-30-00-NX-G-601-4	CLP-INORGTOT	4	MAAA47
BOW-30-00-NX-G-601-4	CLP-METALDIS	4	MAAA48
BOW-30-00-NX-G-601-4	SAS-BOD/TOC	4	SA0427
NMW-01-01-NX-G-181-2	SAS-BOD/TOC	2	6699A-015
NMW-01-01-NX-G-181-2	SAS-SULFIDE	2	6719A-016
NMW-01-01-NX-G-181-2	SAS-WSO	2	6746A-015
NMW-01-01-NX-G-181-2	CLP-ORGANIC	2	AZ477
NMW-01-01-NX-G-181-2	CLP-INORGTOT	2	MAX350
NMW-01-01-NX-G-181-2	CLP-METALDIS	2	MAX351
NMW-01-01-NX-G-505-3	SAS-SULFIDE	3	7012A-030
NMW-01-01-NX-G-505-3	SAS-BOD/TOC	3	7012A-031
NMW-01-01-NX-G-505-3	CLP-ORGANIC	3	ABH77
NMW-01-01-NX-G-505-3	CLP-INORGTOT	3	MAZ066
NMW-01-01-NX-G-505-3	CLP-METALDIS	3	MAZ067
NMW-01-01-NX-G-602-4	CLP-ORGANIC	4	ABJ12
NMW-01-01-NX-G-602-4	CLP-INORGTOT	4	MAAA19
NMW-01-01-NX-G-602-4	CLP-METALDIS	4	MAAA20
NMW-01-01-NX-G-602-4	SAS-BOD/TOC	4	SA0413
NMW-01-02-NX-G-182-2	SAS-BOD/TOC	2	6699A-023
NMW-01-02-NX-G-182-2	SAS-SULFIDE	2	6719A-028
NMW-01-02-NX-G-182-2	SAS-WSO	2	6746A-023
NMW-01-02-NX-G-182-2	CLP-ORGANIC	2	AZ490
NMW-01-02-NX-G-182-2	CLP-INORGTOT	2	MAX371
NMW-01-02-NX-G-182-2	CLP-METALDIS	2	MAX372
NMW-01-02-NX-G-506-3	SAS-BOD/TOC	3	7012A-034
NMW-01-02-NX-G-506-3	CLP-ORGANIC	3	ABH81
NMW-01-02-NX-G-506-3	CLP-INORGTOT	3	MAZ072
NMW-01-02-NX-G-506-3	CLP-METALDIS	3	MAZ073
NMW-01-02-NX-G-603-4	CLP-ORGANIC	4	ABJ17
NMW-01-02-NX-G-603-4	CLP-INORGTOT	4	MAAA29
NMW-01-02-NX-G-603-4	CLP-METALDIS	4	MAAA30
NMW-01-02-NX-G-603-4	SAS-BOD/TOC	4	SA0418
NMW-02-01-FD-G-318-2	SAS-BOD/TOC	2	6699A-068
NMW-02-01-FD-G-318-2	SAS-SULFIDE	2	6719A-089
NMW-02-01-FD-G-318-2	SAS-WSO	2	6746A-069
NMW-02-01-FD-G-318-2	CLP-ORGANIC	2	AAK13
NMW-02-01-FD-G-318-2	CLP-INORGTOT	2	MAX686
NMW-02-01-FD-G-318-2	CLP-METALDIS	2	MAX687
NMW-02-01-FD-G-565-3	SAS-BOD/TOC	3	7012A-014
NMW-02-01-FD-G-565-3	CLP-ORGANIC	3	ABH47
NMW-02-01-FD-G-565-3	CLP-INORGTOT	3	MAZ032
NMW-02-01-FD-G-565-3	CLP-METALDIS	3	MAZ033
NMW-02-01-NX-G-183-2	SAS-BOD/TOC	2	6699A-070
NMW-02-01-NX-G-183-2	SAS-SULFIDE	2	6719A-091
NMW-02-01-NX-G-183-2	SAS-WSO	2	6746A-071
NMW-02-01-NX-G-183-2	CLP-ORGANIC	2	AAK15
NMW-02-01-NX-G-183-2	CLP-INORGTOT	2	MAX690

ROSE HILL ANALYTICAL DATA
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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
NMW-02-01-NX-G-183-2	CLP-METALDIS	2	MAX691
NMW-02-01-NX-G-507-3	SAS-BOD/TOC	3	7012A-013
NMW-02-01-NX-G-507-3	CLP-ORGANIC	3	ABH46
NMW-02-01-NX-G-507-3	CLP-INORGTOT	3	MAZ030
NMW-02-01-NX-G-507-3	CLP-METALDIS	3	MAZ031
NMW-02-02-NX-G-184-2	SAS-BOD/TOC	2	6699A-069
NMW-02-02-NX-G-184-2	SAS-SULFIDE	2	6719A-090
NMW-02-02-NX-G-184-2	SAS-WSO	2	6746A-070
NMW-02-02-NX-G-184-2	CLP-ORGANIC	2	AAK14
NMW-02-02-NX-G-184-2	CLP-INORGTOT	2	MAX688
NMW-02-02-NX-G-184-2	CLP-METALDIS	2	MAX689
NMW-03-01-NX-G-185-2	SAS-BOD/TOC	2	6699A-032
NMW-03-01-NX-G-185-2	SAS-SULFIDE	2	6719A-040
NMW-03-01-NX-G-185-2	SAS-WSO	2	6746A-032
NMW-03-01-NX-G-185-2	CLP-ORGANIC	2	AAK53
NMW-03-01-NX-G-185-2	CLP-INORGTOT	2	MAX392
NMW-03-01-NX-G-185-2	CLP-METALDIS	2	MAX393
NMW-03-01-NX-G-508-3	SAS-SULFIDE	3	7012A-031
NMW-03-01-NX-G-508-3	SAS-BOD/TOC	3	7012A-032
NMW-03-01-NX-G-508-3	CLP-ORGANIC	3	ABH78
NMW-03-01-NX-G-508-3	CLP-INORGTOT	3	MAZ068
NMW-03-01-NX-G-508-3	CLP-METALDIS	3	MAZ069
NMW-03-02-NX-G-186-2	SAS-BOD/TOC	2	6699A-031
NMW-03-02-NX-G-186-2	SAS-SULFIDE	2	6719A-039
NMW-03-02-NX-G-186-2	SAS-WSO	2	6746A-031
NMW-03-02-NX-G-186-2	CLP-ORGANIC	2	AAK52
NMW-03-02-NX-G-186-2	CLP-INORGTOT	2	MAX390
NMW-03-02-NX-G-186-2	CLP-METALDIS	2	MAX391
NMW-03-03-FD-G-320-2	SAS-BOD/TOC	2	6699A-037
NMW-03-03-FD-G-320-2	SAS-SULFIDE	2	6719A-047
NMW-03-03-FD-G-320-2	SAS-WSO	2	6746A-037
NMW-03-03-FD-G-320-2	CLP-ORGANIC	2	AAK60
NMW-03-03-FD-G-320-2	CLP-INORGTOT	2	MAX611
NMW-03-03-FD-G-320-2	CLP-METALDIS	2	MAX612
NMW-03-03-NX-G-187-2	SAS-BOD/TOC	2	6699A-036
NMW-03-03-NX-G-187-2	SAS-SULFIDE	2	6719A-046
NMW-03-03-NX-G-187-2	SAS-WSO	2	6746A-036
NMW-03-03-NX-G-187-2	CLP-ORGANIC	2	AAK59
NMW-03-03-NX-G-187-2	CLP-INORGTOT	2	MAX609
NMW-03-03-NX-G-187-2	CLP-METALDIS	2	MAX610
NMW-03-03-NX-G-510-3	SAS-BOD/TOC	3	7012A-035
NMW-03-03-NX-G-510-3	CLP-ORGANIC	3	ABH82
NMW-03-03-NX-G-510-3	CLP-INORGTOT	3	MAZ074
NMW-03-03-NX-G-510-3	CLP-METALDIS	3	MAZ075
NMW-04-01-NX-G-188-2	SAS-BOD/TOC	2	6699A-042
NMW-04-01-NX-G-188-2	SAS-SULFIDE	2	6719A-057
NMW-04-01-NX-G-188-2	SAS-WSO	2	6746A-043
NMW-04-01-NX-G-188-2	CLP-ORGANIC	2	AAK70
NMW-04-01-NX-G-188-2	CLP-INORGTOT	2	MAX628
NMW-04-01-NX-G-188-2	CLP-METALDIS	2	MAX629
NMW-04-01-NX-G-511-3	SAS-SULFIDE	3	7012A-003
NMW-04-01-NX-G-511-3	SAS-BOD/TOC	3	7012A-006
NMW-04-01-NX-G-511-3	SAS-WSO	3	7012A-007
NMW-04-01-NX-G-511-3	CLP-ORGANIC	3	ABH38
NMW-04-01-NX-G-511-3	CLP-INORGTOT	3	MAZ013
NMW-04-01-NX-G-511-3	CLP-METALDIS	3	MAZ014
NMW-04-02-NX-G-189-2	SAS-BOD/TOC	2	6699A-041
NMW-04-02-NX-G-189-2	SAS-SULFIDE	2	6719A-055
NMW-04-02-NX-G-189-2	SAS-WSO	2	6746A-041

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
NMW-04-02-NX-G-189-2	CLP-ORGANIC	2	AAK68
NMW-04-02-NX-G-189-2	CLP-METALDIS	2	MAX624
NMW-04-02-NX-G-189-2	CLP-INORGTOT	2	MAX625
NMW-04-02-NX-G-512-3	SAS-SULFIDE	3	7012A-005
NMW-04-02-NX-G-512-3	SAS-BOD/TOC	3	7012A-008
NMW-04-02-NX-G-512-3	CLP-ORGANIC	3	ABH39
NMW-04-02-NX-G-512-3	CLP-INORGTOT	3	MAZ015
NMW-04-02-NX-G-512-3	CLP-METALDIS	3	MAZ016
NMW-04-03-NX-G-190-2	SAS-BOD/TOC	2	6699A-054
NMW-04-03-NX-G-190-2	SAS-SULFIDE	2	6719A-075
NMW-04-03-NX-G-190-2	SAS-WSO	2	6746A-055
NMW-04-03-NX-G-190-2	CLP-ORGANIC	2	AAK90
NMW-04-03-NX-G-190-2	CLP-INORGTOT	2	MAX658
NMW-04-03-NX-G-190-2	CLP-METALDIS	2	MAX659
NMW-04-03-NX-G-513-3	SAS-BOD/TOC	3	7012A-033
NMW-04-03-NX-G-513-3	CLP-ORGANIC	3	ABH80
NMW-04-03-NX-G-513-3	CLP-INORGTOT	3	MAZ070
NMW-04-03-NX-G-513-3	CLP-METALDIS	3	MAZ071
NMW-05-01-NX-G-191-2	SAS-BOD/TOC	2	6699A-058
NMW-05-01-NX-G-191-2	SAS-SULFIDE	2	6719A-079
NMW-05-01-NX-G-191-2	SAS-WSO	2	6746A-059
NMW-05-01-NX-G-191-2	CLP-ORGANIC	2	AAK94
NMW-05-01-NX-G-191-2	CLP-INORGTOT	2	MAX666
NMW-05-01-NX-G-191-2	CLP-METALDIS	2	MAX667
NMW-05-01-NX-G-605-4	CLP-ORGANIC	4	ABJ38
NMW-05-01-NX-G-605-4	CLP-INORGTOT	4	MAAA65
NMW-05-01-NX-G-605-4	CLP-METALDIS	4	MAAA66
NMW-05-01-NX-G-605-4	SAS-BOD/TOC	4	SA0436
NMW-05-02-NX-G-192-2	SAS-BOD/TOC	2	6699A-057
NMW-05-02-NX-G-192-2	SAS-SULFIDE	2	6719A-078
NMW-05-02-NX-G-192-2	SAS-WSO	2	6746A-058
NMW-05-02-NX-G-192-2	CLP-ORGANIC	2	AAK93
NMW-05-02-NX-G-192-2	CLP-INORGTOT	2	MAX664
NMW-05-02-NX-G-192-2	CLP-METALDIS	2	MAX665
NMW-05-02-NX-G-606-4	CLP-ORGANIC	4	ABJ39
NMW-05-02-NX-G-606-4	CLP-INORGTOT	4	MAAA67
NMW-05-02-NX-G-606-4	CLP-METALDIS	4	MAAA68
NMW-05-02-NX-G-606-4	SAS-BOD/TOC	4	SA0437
NMW-06-01-NX-G-193-2	SAS-BOD/TOC	2	6699A-050
NMW-06-01-NX-G-193-2	SAS-SULFIDE	2	6719A-067
NMW-06-01-NX-G-193-2	SAS-WSO	2	6746A-051
NMW-06-01-NX-G-193-2	CLP-ORGANIC	2	AAK82
NMW-06-01-NX-G-193-2	CLP-INORGTOT	2	MAX647
NMW-06-01-NX-G-193-2	CLP-METALDIS	2	MAX648
NMW-06-01-NX-G-607-4	CLP-ORGANIC	4	ABJ14
NMW-06-01-NX-G-607-4	CLP-METALDIS	4	MAAA23
NMW-06-01-NX-G-607-4	CLP-INORGTOT	4	MAAA24
NMW-06-01-NX-G-607-4	SAS-BOD/TOC	4	SA0415
NMW-06-02-NX-G-194-2	SAS-BOD/TOC	2	6699A-049
NMW-06-02-NX-G-194-2	SAS-SULFIDE	2	6719A-070
NMW-06-02-NX-G-194-2	SAS-WSO	2	6746A-050
NMW-06-02-NX-G-194-2	CLP-ORGANIC	2	AAK81
NMW-06-02-NX-G-194-2	CLP-INORGTOT	2	MAX645
NMW-06-02-NX-G-194-2	CLP-METALDIS	2	MAX646
NMW-06-02-NX-G-608-4	CLP-ORGANIC	4	ABJ13
NMW-06-02-NX-G-608-4	CLP-INORGTOT	4	MAAA21
NMW-06-02-NX-G-608-4	CLP-METALDIS	4	MAAA22
NMW-06-02-NX-G-608-4	SAS-BOD/TOC	4	SA0414
NMW-07-01-FD-G-669-4	CLP-ORGANIC	4	ABJ20

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
NMW-07-01-FD-G-669-4	CLP-INORGTOT	4	MAAA33
NMW-07-01-FD-G-669-4	CLP-METALDIS	4	MAAA34
NMW-07-01-FD-G-669-4	SAS-BOD/TOC	4	SA0420
NMW-07-01-NX-G-192-2	CLP-ORGANIC	2	AAK86
NMW-07-01-NX-G-195-2	SAS-BOD/TOC	2	6699A-052
NMW-07-01-NX-G-195-2	SAS-SULFIDE	2	6719A-071
NMW-07-01-NX-G-195-2	SAS-WSO	2	6746A-053
NMW-07-01-NX-G-195-2	CLP-INORGTOT	2	MAX652
NMW-07-01-NX-G-195-2	CLP-METALDIS	2	MAX653
NMW-07-01-NX-G-514-3	SAS-BOD/TOC	3	7012A-023
NMW-07-01-NX-G-514-3	CLP-ORGANIC	3	ABH68
NMW-07-01-NX-G-514-3	CLP-INORGTOT	3	MAZ050
NMW-07-01-NX-G-514-3	CLP-METALDIS	3	MAZ051
NMW-07-01-NX-G-609-4	CLP-ORGANIC	4	ABJ19
NMW-07-01-NX-G-609-4	CLP-INORGTOT	4	MAAA31
NMW-07-01-NX-G-609-4	CLP-METALDIS	4	MAAA32
NMW-07-01-NX-G-609-4	SAS-BOD/TOC	4	SA0419
NMW-07-02-NX-G-196-2	SAS-BOD/TOC	2	6699A-065
NMW-07-02-NX-G-196-2	SAS-SULFIDE	2	6719A-086
NMW-07-02-NX-G-196-2	SAS-WSO	2	6746A-066
NMW-07-02-NX-G-196-2	CLP-ORGANIC	2	AAK10
NMW-07-02-NX-G-196-2	CLP-INORGTOT	2	MAX680
NMW-07-02-NX-G-196-2	CLP-METALDIS	2	MAX681
NMW-07-02-NX-G-515-3	SAS-BOD/TOC	3	7012A-020
NMW-07-02-NX-G-515-3	CLP-ORGANIC	3	ABH65
NMW-07-02-NX-G-515-3	CLP-INORGTOT	3	MAZ044
NMW-07-02-NX-G-515-3	CLP-METALDIS	3	MAZ045
NMW-07-02-NX-G-610-4	CLP-ORGANIC	4	ABJ30
NMW-07-02-NX-G-610-4	CLP-INORGTOT	4	MAAA51
NMW-07-02-NX-G-610-4	CLP-METALDIS	4	MAAA52
NMW-07-02-NX-G-610-4	SAS-BOD/TOC	4	SA0429
NMW-08-01-NX-G-197-2	SAS-BOD/TOC	2	6699A-059
NMW-08-01-NX-G-197-2	SAS-SULFIDE	2	6719A-080
NMW-08-01-NX-G-197-2	SAS-WSO	2	6746A-060
NMW-08-01-NX-G-197-2	CLP-ORGANIC	2	AAK95
NMW-08-01-NX-G-197-2	CLP-INORGTOT	2	MAX668
NMW-08-01-NX-G-197-2	CLP-METALDIS	2	MAX669
NMW-08-01-NX-G-611-4	CLP-ORGANIC	4	ABJ36
NMW-08-01-NX-G-611-4	CLP-INORGTOT	4	MAAA61
NMW-08-01-NX-G-611-4	CLP-METALDIS	4	MAAA62
NMW-08-01-NX-G-611-4	SAS-BOD/TOC	4	SA0434
NMW-08-02-NX-G-198-2	SAS-BOD/TOC	2	6699A-060
NMW-08-02-NX-G-198-2	SAS-SULFIDE	2	6719A-081
NMW-08-02-NX-G-198-2	SAS-WSO	2	6746A-061
NMW-08-02-NX-G-198-2	CLP-ORGANIC	2	AAK96
NMW-08-02-NX-G-198-2	CLP-INORGTOT	2	MAX670
NMW-08-02-NX-G-198-2	CLP-METALDIS	2	MAX671
NMW-08-02-NX-G-612-4	CLP-ORGANIC	4	ABJ37
NMW-08-02-NX-G-612-4	CLP-INORGTOT	4	MAAA63
NMW-08-02-NX-G-612-4	CLP-METALDIS	4	MAAA64
NMW-08-02-NX-G-612-4	SAS-BOD/TOC	4	SA0435
NMW-09-01-NX-G-199-2	SAS-BOD/TOC	2	6699A-072
NMW-09-01-NX-G-199-2	SAS-SULFIDE	2	6719A-093
NMW-09-01-NX-G-199-2	SAS-WSO	2	6746A-073
NMW-09-01-NX-G-199-2	CLP-ORGANIC	2	AAK17
NMW-09-01-NX-G-199-2	CLP-INORGTOT	2	MAX694
NMW-09-01-NX-G-199-2	CLP-METALDIS	2	MAX695
NMW-10-01-NX-G-200-2	SAS-BOD/TOC	2	6699A-071
NMW-10-01-NX-G-200-2	SAS-SULFIDE	2	6719A-092

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
NMW-10-01-NX-G-200-2	SAS-WSO	2	6746A-072
NMW-10-01-NX-G-200-2	CLP-ORGANIC	2	AAK16
NMW-10-01-NX-G-200-2	CLP-INORGTOT	2	MAX692
NMW-10-01-NX-G-200-2	CLP-METALDIS	2	MAX693
NMW-10-01-NX-G-516-3	SAS-BOD/TOC	3	7012A-019
NMW-10-01-NX-G-516-3	CLP-ORGANIC	3	ABH64
NMW-10-01-NX-G-516-3	CLP-INORGTOT	3	MAZ042
NMW-10-01-NX-G-516-3	CLP-METALDIS	3	MAZ043
NMW-11-01-NX-G-201-2	SAS-BOD/TOC	2	6699A-043
NMW-11-01-NX-G-201-2	SAS-SULFIDE	2	6719A-058
NMW-11-01-NX-G-201-2	SAS-WSO	2	6746A-044
NMW-11-01-NX-G-201-2	CLP-ORGANIC	2	AAK71
NMW-11-01-NX-G-201-2	CLP-INORGTOT	2	MAX630
NMW-11-01-NX-G-517-3	SAS-BOD/TOC	3	7012A-021
NMW-11-01-NX-G-517-3	CLP-ORGANIC	3	ABH66
NMW-11-01-NX-G-517-3	CLP-INORGTOT	3	MAZ046
NMW-11-01-NX-G-517-3	CLP-METALDIS	3	MAZ047
NMW-11-02-NX-G-202-2	SAS-BOD/TOC	2	6699A-047
NMW-11-02-NX-G-202-2	SAS-SULFIDE	2	6719A-064
NMW-11-02-NX-G-202-2	SAS-WSO	2	6746A-048
NMW-11-02-NX-G-202-2	CLP-ORGANIC	2	AAK78
NMW-11-02-NX-G-202-2	CLP-INORGTOT	2	MAX640
NMW-11-02-NX-G-202-2	CLP-METALDIS	2	MAX641
NMW-11-02-NX-G-518-3	SAS-BOD/TOC	3	7012A-022
NMW-11-02-NX-G-518-3	CLP-ORGANIC	3	ABH67
NMW-11-02-NX-G-518-3	CLP-INORGTOT	3	MAZ048
NMW-11-02-NX-G-518-3	CLP-METALDIS	3	MAZ049
NMW-11-03-NX-G-203-2	SAS-BOD/TOC	2	6699A-046
NMW-11-03-NX-G-203-2	SAS-SULFIDE	2	6719A-063
NMW-11-03-NX-G-203-2	SAS-WSO	2	6746A-047
NMW-11-03-NX-G-203-2	CLP-ORGANIC	2	AAK77
NMW-11-03-NX-G-203-2	CLP-INORGTOT	2	MAX638
NMW-11-03-NX-G-203-2	CLP-METALDIS	2	MAX639
NMW-11-03-NX-G-519-3	SAS-BOD/TOC	3	7012A-024
NMW-11-03-NX-G-519-3	CLP-ORGANIC	3	ABH69
NMW-11-03-NX-G-519-3	CLP-INORGTOT	3	MAZ052
NMW-11-03-NX-G-519-3	CLP-METALDIS	3	MAZ053
NMW-12-01-NX-G-204-2	SAS-BOD/TOC	2	6699A-064
NMW-12-01-NX-G-204-2	SAS-SULFIDE	2	6719A-085
NMW-12-01-NX-G-204-2	SAS-WSO	2	6746A-065
NMW-12-01-NX-G-204-2	CLP-ORGANIC	2	AAK09
NMW-12-01-NX-G-204-2	CLP-INORGTOT	2	MAX678
NMW-12-01-NX-G-204-2	CLP-METALDIS	2	MAX679
NMW-12-01-NX-G-613-4	CLP-ORGANIC	4	ABJ25
NMW-12-01-NX-G-613-4	CLP-INORGTOT	4	MAAA43
NMW-12-01-NX-G-613-4	CLP-METALDIS	4	MAAA44
NMW-12-01-NX-G-613-4	SAS-BOD/TOC	4	SA0425
NMW-12-02-FD-G-319-2	SAS-BOD/TOC	2	6699A-063
NMW-12-02-FD-G-319-2	SAS-SULFIDE	2	6719A-084
NMW-12-02-FD-G-319-2	SAS-WSO	2	6746A-064
NMW-12-02-FD-G-319-2	CLP-ORGANIC	2	AAK08
NMW-12-02-FD-G-319-2	CLP-INORGTOT	2	MAX676
NMW-12-02-FD-G-319-2	CLP-METALDIS	2	MAX677
NMW-12-02-NX-G-205-2	SAS-BOD/TOC	2	6699A-062
NMW-12-02-NX-G-205-2	SAS-SULFIDE	2	6719A-083
NMW-12-02-NX-G-205-2	SAS-WSO	2	6746A-063
NMW-12-02-NX-G-205-2	CLP-ORGANIC	2	AAK07
NMW-12-02-NX-G-205-2	CLP-INORGTOT	2	MAX674
NMW-12-02-NX-G-205-2	CLP-METALDIS	2	MAX675

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
NMW-12-02-NX-G-614-4	CLP-ORGANIC	4	ABJ24
NMW-12-02-NX-G-614-4	CLP-INORGTOT	4	MAAA41
NMW-12-02-NX-G-614-4	CLP-METALDIS	4	MAAA42
NMW-12-02-NX-G-614-4	SAS-BOD/TOC	4	SA0424
NMW-13-01-NX-G-206-2	SAS-BOD/TOC	2	6699A-066
NMW-13-01-NX-G-206-2	SAS-SULFIDE	2	6719A-087
NMW-13-01-NX-G-206-2	SAS-WSO	2	6746A-067
NMW-13-01-NX-G-206-2	CLP-ORGANIC	2	AAK11
NMW-13-01-NX-G-206-2	CLP-INORGTOT	2	MAX682
NMW-13-01-NX-G-206-2	CLP-METALDIS	2	MAX683
NMW-13-02-FD-G-567-3	SAS-BOD/TOC	3	7012A-016
NMW-13-02-FD-G-567-3	CLP-ORGANIC	3	ABH49
NMW-13-02-FD-G-567-3	CLP-INORGTOT	3	MAZ036
NMW-13-02-FD-G-567-3	CLP-METALDIS	3	MAZ037
NMW-13-02-NX-G-207-2	SAS-BOD/TOC	2	6699A-067
NMW-13-02-NX-G-207-2	SAS-SULFIDE	2	6719A-088
NMW-13-02-NX-G-207-2	SAS-WSO	2	6746A-068
NMW-13-02-NX-G-207-2	CLP-ORGANIC	2	AAK12
NMW-13-02-NX-G-207-2	CLP-INORGTOT	2	MAX684
NMW-13-02-NX-G-207-2	CLP-METALDIS	2	MAX685
NMW-13-02-NX-G-520-3	SAS-BOD/TOC	3	7012A-015
NMW-13-02-NX-G-520-3	CLP-ORGANIC	3	ABH48
NMW-13-02-NX-G-520-3	CLP-INORGTOT	3	MAZ034
NMW-13-02-NX-G-520-3	CLP-METALDIS	3	MAZ035
NMW-14-01-NX-G-208-2	SAS-BOD/TOC	2	6699A-020
NMW-14-01-NX-G-208-2	SAS-SULFIDE	2	6719A-025
NMW-14-01-NX-G-208-2	SAS-WSO	2	6746A-020
NMW-14-01-NX-G-208-2	CLP-ORGANIC	2	AZ486
NMW-14-01-NX-G-208-2	CLP-INORGTOT	2	MAX365
NMW-14-01-NX-G-208-2	CLP-METALDIS	2	MAX366
NMW-14-01-NX-G-521-3	SAS-BOD/TOC	3	7012A-030
NMW-14-01-NX-G-521-3	SAS-SULFIDE	3	7012A-032
NMW-14-01-NX-G-521-3	CLP-ORGANIC	3	ABH76
NMW-14-01-NX-G-521-3	CLP-INORGTOT	3	MAZ064
NMW-14-01-NX-G-521-3	CLP-METALDIS	3	MAZ065
NWM-11-01-NX-G-201-2	CLP-METALDIS	2	MAX631
RCG-02-0-NX-06-21-G-010	SAS-SULFIDE	1	6206A-025
RCG-02-0-NX-06-21-G-010	SAS-BOD/TOC	1	6240A-017
RCG-02-0-NX-06-21-G-010	SAS-524.2	1	6320A-008
RCG-02-0-NX-06-21-G-010	CLP-ORGANIC	1	AY028
RCG-02-0-NX-06-21-G-010	CLP-ORGANIC	1	AY028
RCG-02-0-NX-06-21-G-010	CLP-INORGTOT	1	MAW524
RCG-02-0-NX-06-21-G-010	CLP-METALDIS	1	MAW525
RCG-02-00-NX-G-166-2	SAS-524.2	2	6699A-001
RCG-02-00-NX-G-166-2	SAS-SULFIDE	2	6719A-001
RCG-02-00-NX-G-166-2	SAS-WSO	2	6746A-001
RCG-02-00-NX-G-166-2	CLP-ORGANIC	2	AZ442
RCG-02-00-NX-G-166-2	CLP-METALDIS	2	MAX301
RCG-02-00-NX-G-166-2	CLP-INORGTOT	2	MAX300
RCG-02-00-NX-G-501-3	SAS-524.2	3	7009A-003
RCG-02-00-NX-G-501-3	SAS-BOD/TOC	3	7012A-027
RCG-02-00-NX-G-501-3	CLP-ORGANIC	3	ABH73
RCG-02-00-NX-G-501-3	CLP-INORGTOT	3	MAZ058
RCG-02-00-NX-G-501-3	CLP-METALDIS	3	MAZ059
RDC-01-0-NX-06-21-G-009	SAS-SULFIDE	1	6206A-024
RDC-01-0-NX-06-21-G-009	SAS-BOD/TOC	1	6240A-016
RDC-01-0-NX-06-21-G-009	SAS-524.2	1	6320A-007
RDC-01-0-NX-06-21-G-009	CLP-ORGANIC	1	AY027
RDC-01-0-NX-06-21-G-009	CLP-ORGANIC	1	AY027

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
RDC-01-0-NX-06-21-G-009	CLP-INORGTOT	1	MAW522
RDC-01-0-NX-06-21-G-009	CLP-METALDIS	1	MAW523
RDC-01-00-FD-G-313-2	SAS-BOD/TOC	2	6699A-003
RDC-01-00-FD-G-313-2	SAS-524.2	2	6699A-004
RDC-01-00-FD-G-313-2	SAS-SULFIDE	2	6719A-003
RDC-01-00-FD-G-313-2	SAS-WSO	2	6746A-003
RDC-01-00-FD-G-313-2	CLP-ORGANIC	2	AZ444
RDC-01-00-FD-G-313-2	CLP-INORGTOT	2	MAX313
RDC-01-00-FD-G-313-2	CLP-METALDIS	2	MAX318
RDC-01-00-NX-G-165-2	SAS-BOD/TOC	2	6699A-002
RDC-01-00-NX-G-165-2	SAS-524.2	2	6699A-003
RDC-01-00-NX-G-165-2	SAS-SULFIDE	2	6719A-002
RDC-01-00-NX-G-165-2	SAS-WSO	2	6746A-002
RDC-01-00-NX-G-165-2	CLP-ORGANIC	2	AZ443
RDC-01-00-NX-G-165-2	CLP-INORGTOT	2	MAX302
RDC-01-00-NX-G-165-2	CLP-METALDIS	2	MAX312
RDC-01-00-NX-G-500-3	SAS-524.2	3	7009A-005
RDC-01-00-NX-G-500-3	SAS-BOD/TOC	3	7012A-029
RDC-01-00-NX-G-500-3	CLP-ORGANIC	3	ABH74
RDC-01-00-NX-G-500-3	CLP-INORGTOT	3	MAZ060
RDC-01-00-NX-G-500-3	CLP-METALDIS	3	MAZ061
RDW-10-00-NX-G-502-3	SAS-524.2	3	7009A-004
RDW-10-00-NX-G-502-3	SAS-BOD/TOC	3	7012A-028
RDW-10-00-NX-G-502-3	CLP-ORGANIC	3	ABH75
RDW-10-00-NX-G-502-3	CLP-INORGTOT	3	MAZ062
RDW-10-00-NX-G-502-3	CLP-METALDIS	3	MAZ063
RET-05-0-NX-06-26-G-013	SAS-SULFIDE	1	6206A-044
RET-05-0-NX-06-26-G-013	SAS-BOD/TOC	1	6240A-034
RET-05-0-NX-06-26-G-013	SAS-524.2	1	6320A-011
RET-05-0-NX-06-26-G-013	CLP-ORGANIC	1	AAJ08
RET-05-0-NX-06-26-G-013	CLP-INORGTOT	1	MAT059
RET-05-0-NX-06-26-G-013	CLP-METALDIS	1	MAT060
RET-05-00-NX-G-169-2	SAS-BOD/TOC	2	6699A-007
RET-05-00-NX-G-169-2	SAS-524.2	2	6699A-008
RET-05-00-NX-G-169-2	SAS-SULFIDE	2	6719A-007
RET-05-00-NX-G-169-2	SAS-WSO	2	6746A-007
RET-05-00-NX-G-169-2	CLP-ORGANIC	2	AZ450
RET-05-00-NX-G-169-2	CLP-INORGTOT	2	MAX325
RET-05-00-NX-G-169-2	CLP-METALDIS	2	MAX326
RFJ-04-0-FD-06-26-G-019	SAS-SULFIDE	1	6206A-047
RFJ-04-0-FD-06-26-G-019	SAS-BOD/TOC	1	6240A-037
RFJ-04-0-FD-06-26-G-019	SAS-524.2	1	6320A-014
RFJ-04-0-FD-06-26-G-019	CLP-ORGANIC	1	AAJ11
RFJ-04-0-FD-06-26-G-019	CLP-INORGTOT	1	MAT065
RFJ-04-0-FD-06-26-G-019	CLP-METALDIS	1	MAT066
RFJ-04-0-NX-06-26-G-012	SAS-SULFIDE	1	6206A-046
RFJ-04-0-NX-06-26-G-012	SAS-BOD/TOC	1	6240A-036
RFJ-04-0-NX-06-26-G-012	SAS-524.2	1	6320A-013
RFJ-04-0-NX-06-26-G-012	CLP-ORGANIC	1	AAJ10
RFJ-04-0-NX-06-26-G-012	CLP-INORGTOT	1	MAT063
RFJ-04-0-NX-06-26-G-012	CLP-METALDIS	1	MAT064
RFJ-04-00-NX-G-168-2	SAS-BOD/TOC	2	6699A-006
RFJ-04-00-NX-G-168-2	SAS-524.2	2	6699A-007
RFJ-04-00-NX-G-168-2	SAS-SULFIDE	2	6719A-006
RFJ-04-00-NX-G-168-2	SAS-WSO	2	6746A-006
RFJ-04-00-NX-G-168-2	CLP-ORGANIC	2	AZ449
RFJ-04-00-NX-G-168-2	CLP-INORGTOT	2	MAX323
RFJ-04-00-NX-G-168-2	CLP-METALDIS	2	MAX324
RFJ-06-0-NX-06-27-G-014	SAS-BOD/TOC	1	6240A-043

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
RFP-06-0-NX-06-27-G-014	SAS-524.2	1	6320A-018
RFS-03-0-NX-06-26-G-011	SAS-SULFIDE	1	6206A-052
RFS-03-0-NX-06-26-G-011	SAS-BOD/TOC	1	6240A-042
RFS-03-0-NX-06-26-G-011	SAS-524.2	1	6320A-017
RFS-03-0-NX-06-26-G-011	CLP-ORGANIC	1	AAJ17
RFS-03-0-NX-06-26-G-011	CLP-INORGTOT	1	MAW555
RFS-03-0-NX-06-26-G-011	CLP-METALDIS	1	MAW556
RFS-03-00-NX-G-167-2	SAS-BOD/TOC	2	6699A-010
RFS-03-00-NX-G-167-2	SAS-524.2	2	6699A-014
RFS-03-00-NX-G-167-2	SAS-SULFIDE	2	6719A-010
RFS-03-00-NX-G-167-2	SAS-WSO	2	6746A-010
RFS-03-00-NX-G-167-2	CLP-ORGANIC	2	AZ456
RFS-03-00-NX-G-167-2	CLP-INORGTOT	2	MAX333
RFS-03-00-NX-G-167-2	CLP-METALDIS	2	MAX334
RJP-06-0-NX-06-27-G-014	SAS-SULFIDE	1	6206A-053
RJP-06-0-NX-06-27-G-014	CLP-ORGANIC	1	AAJ18
RJP-06-0-NX-06-27-G-014	CLP-INORGTOT	1	MAW557
RJP-06-0-NX-06-27-G-014	CLP-METALDIS	1	MAW558
RJP-06-00-NX-G-170-2	SAS-BOD/TOC	2	6699A-017
RJP-06-00-NX-G-170-2	SAS-524.2	2	6699A-019
RJP-06-00-NX-G-170-2	SAS-SULFIDE	2	6719A-019
RJP-06-00-NX-G-170-2	SAS-WSO	2	6746A-017
RJP-06-00-NX-G-170-2	CLP-ORGANIC	2	AZ480
RJP-06-00-NX-G-170-2	CLP-INORGTOT	2	MAX355
RJP-06-00-NX-G-170-2	CLP-METALDIS	2	MAX356
RJM-08-0-NX-06-25-G-016	SAS-SULFIDE	1	6206A-038
RJM-08-0-NX-06-25-G-016	SAS-BOD/TOC	1	6240A-031
RJM-08-0-NX-06-25-G-016	SAS-524.2	1	6320A-010
RJM-08-0-NX-06-25-G-016	CLP-ORGANIC	1	AY050
RJM-08-0-NX-06-25-G-016	CLP-INORGTOT	1	MAT047
RJM-08-0-NX-06-25-G-016	CLP-METALDIS	1	MAT048
RJM-08-00-NX-G-172-2	SAS-BOD/TOC	2	6699A-004
RJM-08-00-NX-G-172-2	SAS-524.2	2	6699A-005
RJM-08-00-NX-G-172-2	SAS-SULFIDE	2	6719A-004
RJM-08-00-NX-G-172-2	SAS-WSO	2	6746A-004
RJM-08-00-NX-G-172-2	CLP-ORGANIC	2	AZ445
RJM-08-00-NX-G-172-2	CLP-INORGTOT	2	MAX315
RJM-08-00-NX-G-172-2	CLP-METALDIS	2	MAX316
RNG-07-0-NX-06-26-G-015	SAS-SULFIDE	1	6206A-050
RNG-07-0-NX-06-26-G-015	SAS-BOD/TOC	1	6240A-040
RNG-07-0-NX-06-26-G-015	SAS-524.2	1	6320A-015
RNG-07-0-NX-06-26-G-015	CLP-ORGANIC	1	AAJ14
RNG-07-0-NX-06-26-G-015	CLP-INORGTOT	1	MAW551
RNG-07-0-NX-06-26-G-015	CLP-METALDIS	1	MAW552
RNG-07-00-NX-G-171-2	SAS-BOD/TOC	2	6699A-012
RNG-07-00-NX-G-171-2	SAS-524.2	2	6699A-017
RNG-07-00-NX-G-171-2	SAS-SULFIDE	2	6719A-013
RNG-07-00-NX-G-171-2	SAS-WSO	2	6746A-012
RNG-07-00-NX-G-171-2	CLP-ORGANIC	2	AZ471
RNG-07-00-NX-G-171-2	CLP-INORGTOT	2	MAX342
RNG-07-00-NX-G-171-2	CLP-METALDIS	2	MAX343
RTK-09-0-NX-06-26-G-017	SAS-SULFIDE	1	6206A-045
RTK-09-0-NX-06-26-G-017	SAS-BOD/TOC	1	6240A-035
RTK-09-0-NX-06-26-G-017	SAS-524.2	1	6320A-012
RTK-09-0-NX-06-26-G-017	CLP-ORGANIC	1	AAJ09
RTK-09-0-NX-06-26-G-017	CLP-INORGTOT	1	MAT061
RTK-09-0-NX-06-26-G-017	CLP-METALDIS	1	MAT062
RTK-09-00-NX-G-173-2	SAS-BOD/TOC	2	6699A-008
RTK-09-00-NX-G-173-2	SAS-524.2	2	6699A-009

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
RTK-09-00-NX-G-173-2	SAS-SULFIDE	2	6719A-008
RTK-09-00-NX-G-173-2	SAS-WSO	2	6746A-008
RTK-09-00-NX-G-173-2	CLP-ORGANIC	2	AZ451
RTK-09-00-NX-G-173-2	CLP-INORGTOT	2	MAX327
RTK-09-00-NX-G-173-2	CLP-METALDIS	2	MAX328
SURFACE WATER			
SW-01-0-0.5-NX-06-20-W-024	SAS-SULFIDE	1	6206A-018
SW-01-0-0.5-NX-06-20-W-024	SAS-BOD/TOC	1	6240A-013
SW-01-0-0.5-NX-06-20-W-024	CLP-ORGANIC	1	AY020
SW-01-0-0.5-NX-06-20-W-024	CLP-INORGTOT	1	MAW513
SW-01-0-0.5-NX-06-20-W-024	CLP-METALDIS	1	MAW514
SW-01-0-0.3-NX-W-209-2	SAS-BOD/TOC	2	6699A-016
SW-01-0-0.3-NX-W-209-2	SAS-SULFIDE	2	6719A-017
SW-01-0-0.3-NX-W-209-2	SAS-WSO	2	6746A-016
SW-01-0-0.3-NX-W-209-2	CLP-ORGANIC	2	AZ478
SW-01-0-0.3-NX-W-209-2	CLP-INORGTOT	2	MAX352
SW-01-0-0.3-NX-W-209-2	CLP-METALDIS	2	MAX353
SW-02-0-0.3-NX-06-25-W-025	SAS-SULFIDE	1	6206A-034
SW-02-0-0.3-NX-06-25-W-025	SAS-BOD/TOC	1	6240A-028
SW-02-0-0.3-NX-06-25-W-025	CLP-ORGANIC	1	AY044
SW-02-0-0.3-NX-06-25-W-025	CLP-INORGTOT	1	MAT039
SW-02-0-0.3-NX-06-25-W-025	CLP-METALDIS	1	MAT040
SW-02-0-0.3-NX-W-210-2	SAS-BOD/TOC	2	6699A-018
SW-02-0-0.3-NX-W-210-2	SAS-SULFIDE	2	6719A-021
SW-02-0-0.3-NX-W-210-2	SAS-WSO	2	6746A-018
SW-02-0-0.3-NX-W-210-2	CLP-ORGANIC	2	AZ482
SW-02-0-0.3-NX-W-210-2	CLP-INORGTOT	2	MAX358
SW-02-0-0.3-NX-W-210-2	CLP-METALDIS	2	MAX359
SW-02-0-0.3-NX-W-620-4	CLP-ORGANIC	4	ABJ10
SW-02-0-0.3-NX-W-620-4	CLP-INORGTOT	4	MAAA15
SW-02-0-0.3-NX-W-620-4	CLP-METALDIS	4	MAAA16
SW-02-0-0.3-NX-W-620-4	SAS-BOD/TOC	4	SA0411
SW-02-0-0.3-NX-W-700-5	CLP-ORGANIC	5	ABY24
SW-02-0-0.3-NX-W-700-5	CLP-INORGTOT	5	MAAB13
SW-02-0-0.3-NX-W-700-5	CLP-METALDIS	5	MAAB14
SW-02-0-0.3-NX-W-700-5	SAS-AMMONIA	5	SA1439
SW-03-0-0.3-NX-06-24-W-026	SAS-SULFIDE	1	6206A-027
SW-03-0-0.3-NX-06-24-W-026	SAS-BOD/TOC	1	6240A-019
SW-03-0-0.3-NX-06-24-W-026	CLP-ORGANIC	1	AY030
SW-03-0-0.3-NX-06-24-W-026	CLP-INORGTOT	1	MAW528
SW-03-0-0.3-NX-06-24-W-026	CLP-METALDIS	1	MAW529
SW-03-0-0.3-NX-06-28-W-026	SAS-BOD/TOC	1	6240A-051
SW-03-0-0.3-NX-W-211-2	SAS-BOD/TOC	2	6699A-019
SW-03-0-0.3-NX-W-211-2	SAS-WSO	2	6746A-019
SW-03-0-0.3-NX-W-211-2	CLP-ORGANIC	2	AZ485
SW-03-0-0.3-NX-W-211-2	CLP-INORGTOT	2	MAX363
SW-03-0-0.5-NX-W-211-2	SAS-SULFIDE	2	6719A-024
SW-03-0-0.5-NX-W-211-2	CLP-METALDIS	2	MAX364
SW-04-0-0.3-NX-06-24-W-027	SAS-SULFIDE	1	6206A-028
SW-04-0-0.3-NX-06-24-W-027	SAS-BOD/TOC	1	6240A-024
SW-04-0-0.3-NX-06-24-W-027	CLP-ORGANIC	1	AY037
SW-04-0-0.3-NX-06-24-W-027	CLP-INORGTOT	1	MAW539
SW-04-0-0.3-NX-06-24-W-027	CLP-METALDIS	1	MAW540
SW-04-0-0.3-NX-06-28-W-027	SAS-BOD/TOC	1	6240A-052
SW-04-0-0.3-FD-W-671-4	CLP-ORGANIC	4	ABJ16
SW-04-0-0.3-FD-W-671-4	CLP-INORGTOT	4	MAAA27
SW-04-0-0.3-FD-W-671-4	CLP-METALDIS	4	MAAA28

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SW-04-0.0-0.3-FD-W-671-4	SAS-BOD/TOC	4	SA0417
SW-04-0.0-0.3-NX-W-212-2	SAS-BOD/TOC	2	6699A-027
SW-04-0.0-0.3-NX-W-212-2	SAS-SULFIDE	2	6719A-034
SW-04-0.0-0.3-NX-W-212-2	SAS-WSO	2	6746A-027
SW-04-0.0-0.3-NX-W-212-2	CLP-ORGANIC	2	AZ496
SW-04-0.0-0.3-NX-W-212-2	CLP-INORGTOT	2	MAX381
SW-04-0.0-0.3-NX-W-212-2	CLP-METALDIS	2	MAX382
SW-04-0.0-0.3-NX-W-522-3	SAS-BOD/TOC	3	7012A-003
SW-04-0.0-0.3-NX-W-522-3	SAS-SULFIDE	3	7012A-012
SW-04-0.0-0.3-NX-W-522-3	CLP-ORGANIC	3	ABH34
SW-04-0.0-0.3-NX-W-522-3	CLP-INORGTOT	3	MAZ006
SW-04-0.0-0.3-NX-W-522-3	CLP-METALDIS	3	MAZ007
SW-04-0.0-0.3-NX-W-522-3	CLP-INORGTOT	3	MAZ027
SW-04-0.0-0.3-NX-W-615-4	CLP-ORGANIC	4	ABJ15
SW-04-0.0-0.3-NX-W-615-4	CLP-INORGTOT	4	MAAA25
SW-04-0.0-0.3-NX-W-615-4	CLP-METALDIS	4	MAAA26
SW-04-0.0-0.3-NX-W-615-4	SAS-BOD/TOC	4	SA0416
SW-04-0.0-0.3-NX-W-701-5	CLP-ORGANIC	5	ABY20
SW-04-0.0-0.3-NX-W-701-5	CLP-INORGTOT	5	MAAB07
SW-04-0.0-0.3-NX-W-701-5	CLP-METALDIS	5	MAAB08
SW-04-0.0-0.3-NX-W-701-5	SAS-AMMONIA	5	SA1437
SW-04-0.1-0.3-NX-W-212-2	CLP-ORGANIC	2	AZ496
SW-05-0.0-0.3-NX-06-24-W-028	SAS-SULFIDE	1	6206A-030
SW-05-0.0-0.3-NX-06-24-W-028	SAS-BOD/TOC	1	6240A-025
SW-05-0.0-0.3-NX-06-24-W-028	CLP-ORGANIC	1	AY039
SW-05-0.0-0.3-NX-06-24-W-028	CLP-METALDIS	1	MAT030
SW-05-0.0-0.3-NX-06-24-W-028	CLP-INORGTOT	1	MAT031
SW-05-0.0-0.3-NX-W-213-2	SAS-BOD/TOC	2	6699A-026
SW-05-0.0-0.3-NX-W-213-2	SAS-SULFIDE	2	6719A-032
SW-05-0.0-0.3-NX-W-213-2	SAS-WSO	2	6746A-026
SW-05-0.0-0.3-NX-W-213-2	CLP-ORGANIC	2	AZ494
SW-05-0.0-0.3-NX-W-213-2	CLP-INORGTOT	2	MAX378
SW-05-0.0-0.3-NX-W-213-2	CLP-METALDIS	2	MAX379
SW-05-0.0-0.3-NX-W-523-3	SAS-BOD/TOC	3	7012A-018
SW-05-0.0-0.3-NX-W-523-3	CLP-ORGANIC	3	ABH63
SW-05-0.0-0.3-NX-W-523-3	CLP-INORGTOT	3	MAZ040
SW-05-0.0-0.3-NX-W-523-3	CLP-METALDIS	3	MAZ041
SW-05-0.0-0.3-NX-W-616-4	CLP-ORGANIC	4	ABJ22
SW-05-0.0-0.3-NX-W-616-4	CLP-INORGTOT	4	MAAA37
SW-05-0.0-0.3-NX-W-616-4	CLP-METALDIS	4	MAAA38
SW-05-0.0-0.3-NX-W-616-4	SAS-BOD/TOC	4	SA0422
SW-05-0.0-0.3-NX-W-702-5	CLP-ORGANIC	5	ABY22
SW-05-0.0-0.3-NX-W-702-5	CLP-INORGTOT	5	MAAB10
SW-05-0.0-0.3-NX-W-702-5	CLP-METALDIS	5	MAAB11
SW-05-0.0-0.3-NX-W-702-5	SAS-AMMONIA	5	SA1438
SW-06-0.0-0.3-FD-06-21-W-047	SAS-SULFIDE	1	6206A-022
SW-06-0.0-0.3-FD-06-21-W-047	SAS-BOD/TOC	1	6240A-015
SW-06-0.0-0.3-FD-06-21-W-047	CLP-ORGANIC	1	AY025
SW-06-0.0-0.3-FD-06-21-W-047	CLP-ORGANIC	1	AY025
SW-06-0.0-0.3-FD-06-21-W-047	CLP-INORGTOT	1	MAW519
SW-06-0.0-0.3-NX-06-21-W-029	SAS-SULFIDE	1	6206A-021
SW-06-0.0-0.3-NX-06-21-W-029	SAS-BOD/TOC	1	6240A-014
SW-06-0.0-0.3-NX-06-21-W-029	CLP-ORGANIC	1	AY024
SW-06-0.0-0.3-NX-06-21-W-029	CLP-METALDIS	1	MAW518
SW-06-0.0-0.3-NX-W-214-2	SAS-BOD/TOC	2	6699A-028
SW-06-0.0-0.3-NX-W-214-2	SAS-SULFIDE	2	6719A-036
SW-06-0.0-0.3-NX-W-214-2	SAS-WSO	2	6746A-028
SW-06-0.0-0.3-NX-W-214-2	CLP-ORGANIC	2	AZ498
SW-06-0.0-0.3-NX-W-214-2	CLP-INORGTOT	2	MAX384

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SW-06-0.0-0.3-NX-W-214-2	CLP-METALDIS	2	MAX385
SW-06-0.0-0.3-NX-W-524-3	SAS-BOD/TOC	3	7012A-017
SW-06-0.0-0.3-NX-W-524-3	CLP-ORGANIC	3	ABH50
SW-06-0.0-0.3-NX-W-524-3	CLP-INORGTOT	3	MAZ038
SW-06-0.0-0.3-NX-W-524-3	CLP-METALDIS	3	MAZ039
SW-06-0.0-0.3-NX-W-617-4	CLP-ORGANIC	4	ABJ23
SW-06-0.0-0.3-NX-W-617-4	CLP-INORGTOT	4	MAAA39
SW-06-0.0-0.3-NX-W-617-4	CLP-METALDIS	4	MAAA40
SW-06-0.0-0.3-NX-W-617-4	SAS-BOD/TOC	4	SA0423
SW-06-0.0-0.3-NX-W-703-5	CLP-ORGANIC	5	ABY16
SW-06-0.0-0.3-NX-W-703-5	CLP-INORGTOT	5	MAAB03
SW-06-0.0-0.3-NX-W-703-5	CLP-METALDIS	5	MAAB04
SW-06-0.0-0.3-NX-W-703-5	SAS-AMMONIA	5	SA1434
SW-07-0.0-0.3-NX-06-25-W-030	SAS-SULFIDE	1	6206A-032
SW-07-0.0-0.3-NX-06-25-W-030	SAS-BOD/TOC	1	6240A-026
SW-07-0.0-0.3-NX-06-25-W-030	CLP-ORGANIC	1	AY041
SW-07-0.0-0.3-NX-06-25-W-030	CLP-INORGTOT	1	MAT033
SW-07-0.0-0.3-NX-06-25-W-030	CLP-METALDIS	1	MAT034
SW-07-0.0-0.3-NX-W-215-2	SAS-BOD/TOC	2	6699A-045
SW-07-0.0-0.3-NX-W-215-2	SAS-SULFIDE	2	6719A-062
SW-07-0.0-0.3-NX-W-215-2	SAS-WSO	2	6746A-046
SW-07-0.0-0.3-NX-W-215-2	CLP-ORGANIC	2	AAK76
SW-07-0.0-0.3-NX-W-215-2	CLP-INORGTOT	2	MAX636
SW-07-0.0-0.3-NX-W-215-2	CLP-METALDIS	2	MAX637
SW-07-0.0-0.3-NX-W-525-3	SAS-SULFIDE	3	7012A-009
SW-07-0.0-0.3-NX-W-525-3	SAS-BOD/TOC	3	7012A-012
SW-07-0.0-0.3-NX-W-525-3	CLP-ORGANIC	3	ABH44
SW-07-0.0-0.3-NX-W-525-3	CLP-INORGTOT	3	MAZ023
SW-07-0.0-0.3-NX-W-525-3	CLP-METALDIS	3	MAZ024
SW-07-0.0-0.3-NX-W-618-4	CLP-ORGANIC	4	ABJ07
SW-07-0.0-0.3-NX-W-618-4	CLP-METALDIS	4	MAAA11
SW-07-0.0-0.3-NX-W-618-4	CLP-INORGTOT	4	MAAA12
SW-07-0.0-0.3-NX-W-618-4	SAS-BOD/TOC	4	SA0409
SW-07-0.0-0.3-NX-W-704-5	CLP-ORGANIC	5	ABY08
SW-07-0.0-0.3-NX-W-704-5	CLP-INORGTOT	5	MAAA91
SW-07-0.0-0.3-NX-W-704-5	CLP-METALDIS	5	MAAA92
SW-07-0.0-0.3-NX-W-704-5	SAS-AMMONIA	5	SA1424
SW-08-0.0-0.3-FD-06-25-W-100	CLP-METALDIS	1	MAT055
SW-08-0.0-0.3-NX-06-25-W-031	SAS-SULFIDE	1	6206A-042
SW-08-0.0-0.3-NX-06-25-W-031	SAS-BOD/TOC	1	6240A-033
SW-08-0.0-0.3-NX-06-25-W-031	CLP-ORGANIC	1	AAJ06
SW-08-0.0-0.3-NX-06-25-W-031	CLP-METALDIS	1	MAT056
SW-08-0.0-0.3-NX-06-25-W-031	CLP-INORGTOT	1	MAT057
SW-08-0.0-0.3-FD-W-322-2	SAS-BOD/TOC	2	6699A-034
SW-08-0.0-0.3-FD-W-322-2	SAS-SULFIDE	2	6719A-042
SW-08-0.0-0.3-FD-W-322-2	SAS-WSO	2	6746A-034
SW-08-0.0-0.3-FD-W-322-2	CLP-ORGANIC	2	AAK55
SW-08-0.0-0.3-FD-W-322-2	CLP-INORGTOT	2	MAX396
SW-08-0.0-0.3-FD-W-322-2	CLP-METALDIS	2	MAX397
SW-08-0.0-0.3-NX-W-216-2	SAS-BOD/TOC	2	6699A-033
SW-08-0.0-0.3-NX-W-216-2	SAS-SULFIDE	2	6719A-041
SW-08-0.0-0.3-NX-W-216-2	SAS-WSO	2	6746A-033
SW-08-0.0-0.3-NX-W-216-2	CLP-ORGANIC	2	AAK54
SW-08-0.0-0.3-NX-W-216-2	CLP-INORGTOT	2	MAX394
SW-08-0.0-0.3-NX-W-216-2	CLP-METALDIS	2	MAX395
SW-09-0.0-0.3-FD-06-20-W-048	SAS-SULFIDE	1	6206A-016
SW-09-0.0-0.3-FD-06-20-W-048	SAS-BOD/TOC	1	6240A-012
SW-09-0.0-0.3-FD-06-20-W-048	CLP-ORGANIC	1	AY018
SW-09-0.0-0.3-FD-06-20-W-048	CLP-INORGTOT	1	MAT026

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SW-09-0-0.3-FD-06-20-W-048	CLP-METALDIS	1	MAT027
SW-09-0-0.3-NX-06-20-W-032	SAS-SULFIDE	1	6206A-014
SW-09-0-0.3-NX-06-20-W-032	SAS-BOD/TOC	1	6240A-011
SW-09-0-0.3-NX-06-20-W-032	CLP-ORGANIC	1	AY015
SW-09-0-0.3-NX-06-20-W-032	CLP-INORGTOT	1	MAT022
SW-09-0-0.3-NX-06-20-W-032	CLP-METALDIS	1	MAT023
SW-09-0-0.3-FD-W-745-5	CLP-ORGANIC	5	ABY12
SW-09-0-0.3-FD-W-745-5	CLP-INORGTOT	5	MAAA98
SW-09-0-0.3-FD-W-745-5	CLP-METALDIS	5	MAAA99
SW-09-0-0.3-FD-W-745-5	SAS-AMMONIA	5	SA1430
SW-09-0-0.3-NX-W-222-2	SAS-BOD/TOC	2	6699A-051
SW-09-0-0.3-NX-W-222-2	SAS-SULFIDE	2	6719A-068
SW-09-0-0.3-NX-W-222-2	SAS-WSO	2	6746A-052
SW-09-0-0.3-NX-W-222-2	CLP-ORGANIC	2	AAK85
SW-09-0-0.3-NX-W-222-2	CLP-INORGTOT	2	MAX650
SW-09-0-0.3-NX-W-222-2	CLP-METALDIS	2	MAX651
SW-09-0-0.3-NX-W-526-3	SAS-BOD/TOC	3	7012A-004
SW-09-0-0.3-NX-W-526-3	SAS-SULFIDE	3	7012A-011
SW-09-0-0.3-NX-W-526-3	CLP-ORGANIC	3	ABH35
SW-09-0-0.3-NX-W-526-3	CLP-INORGTOT	3	MAZ008
SW-09-0-0.3-NX-W-526-3	CLP-METALDIS	3	MAZ009
SW-09-0-0.3-NX-W-526-3	CLP-INORGTOT	3	MAZ026
SW-09-0-0.3-NX-W-619-4	CLP-ORGANIC	4	ABJ21
SW-09-0-0.3-NX-W-619-4	CLP-INORGTOT	4	MAAA35
SW-09-0-0.3-NX-W-619-4	CLP-METALDIS	4	MAAA36
SW-09-0-0.3-NX-W-619-4	SAS-BOD/TOC	4	SA0421
SW-09-0-0.3-NX-W-705-5	CLP-ORGANIC	5	ABY11
SW-09-0-0.3-NX-W-705-5	CLP-INORGTOT	5	MAAA96
SW-09-0-0.3-NX-W-705-5	CLP-METALDIS	5	MAAA97
SW-09-0-0.3-NX-W-705-5	SAS-AMMONIA	5	SA1431
SW-10-0-0.3-NX-06-20-W-033	SAS-SULFIDE	1	6206A-010
SW-10-0-0.3-NX-06-20-W-033	SAS-BOD/TOC	1	6240A-008
SW-10-0-0.3-NX-06-20-W-033	CLP-ORGANIC	1	AY011
SW-10-0-0.3-NX-06-20-W-033	CLP-INORGTOT	1	MAW542
SW-10-0-0.3-NX-06-20-W-033	CLP-METALDIS	1	MAW546
SW-10-0-0.3-FD-W-321-2	SAS-BOD/TOC	2	6699A-056
SW-10-0-0.3-FD-W-321-2	SAS-SULFIDE	2	6719A-077
SW-10-0-0.3-FD-W-321-2	SAS-WSO	2	6746A-057
SW-10-0-0.3-FD-W-321-2	CLP-ORGANIC	2	AAK92
SW-10-0-0.3-FD-W-321-2	CLP-INORGTOT	2	MAX662
SW-10-0-0.3-FD-W-321-2	CLP-METALDIS	2	MAX663
SW-10-0-0.3-NX-W-221-2	SAS-BOD/TOC	2	6699A-055
SW-10-0-0.3-NX-W-221-2	SAS-SULFIDE	2	6719A-076
SW-10-0-0.3-NX-W-221-2	SAS-WSO	2	6746A-056
SW-10-0-0.3-NX-W-221-2	CLP-ORGANIC	2	AAK91
SW-10-0-0.3-NX-W-221-2	CLP-INORGTOT	2	MAX660
SW-10-0-0.3-NX-W-221-2	CLP-METALDIS	2	MAX661
SW-10-0-0.3-NX-W-527-3	SAS-SULFIDE	3	7012A-006
SW-10-0-0.3-NX-W-527-3	SAS-BOD/TOC	3	7012A-009
SW-10-0-0.3-NX-W-527-3	CLP-ORGANIC	3	ABH40
SW-10-0-0.3-NX-W-527-3	CLP-INORGTOT	3	MAZ017
SW-10-0-0.3-NX-W-527-3	CLP-METALDIS	3	MAZ018
SW-11-0-0.3-NX-W-219-2	SAS-BOD/TOC	2	6699A-040
SW-11-0-0.3-NX-W-219-2	SAS-SULFIDE	2	6719A-054
SW-11-0-0.3-NX-W-219-2	SAS-WSO	2	6746A-040
SW-11-0-0.3-NX-W-219-2	CLP-ORGANIC	2	AAK67
SW-11-0-0.3-NX-W-219-2	CLP-INORGTOT	2	MAX622
SW-11-0-0.3-NX-W-219-2	CLP-METALDIS	2	MAX623
SW-11-0-0.3-NX-W-528-3	SAS-BOD/TOC	3	7012A-002

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SW-11-0.0-0.3-NX-W-528-3	SAS-SULFIDE	3	7012A-010
SW-11-0.0-0.3-NX-W-528-3	CLP-ORGANIC	3	ABH22
SW-11-0.0-0.3-NX-W-528-3	CLP-INORGTOT	3	MAZ004
SW-11-0.0-0.3-NX-W-528-3	CLP-METALDIS	3	MAZ005
SW-11-0.0-0.3-NX-W-528-3	CLP-INORGTOT	3	MAZ025
SW-11-0.0-0.3-NX-W-621-4	CLP-ORGANIC	4	ABJ26
SW-11-0.0-0.3-NX-W-621-4	CLP-INORGTOT	4	MAAA45
SW-11-0.0-0.3-NX-W-621-4	CLP-METALDIS	4	MAAA46
SW-11-0.0-0.3-NX-W-621-4	SAS-BOD/TOC	4	SA0426
SW-11-0.0-0.3-NX-W-706-5	CLP-ORGANIC	5	ABY13
SW-11-0.0-0.3-NX-W-706-5	CLP-INORGTOT	5	MAAB00
SW-11-0.0-0.3-NX-W-706-5	CLP-METALDIS	5	MAAB01
SW-11-0.0-0.3-NX-W-706-5	SAS-AMMONIA	5	SA1432
SW-12-0.0-0.3-NX-06-25-W-035	SAS-SULFIDE	1	6206A-036
SW-12-0.0-0.3-NX-06-25-W-035	SAS-BOD/TOC	1	6240A-030
SW-12-0.0-0.3-NX-06-25-W-035	CLP-ORGANIC	1	AY047
SW-12-0.0-0.3-NX-06-25-W-035	CLP-INORGTOT	1	MAT044
SW-12-0.0-0.3-NX-06-25-W-035	CLP-METALDIS	1	MAT045
SW-12-0.0-0.3-FD-W-569-3	SAS-SULFIDE	3	7012A-008
SW-12-0.0-0.3-FD-W-569-3	SAS-BOD/TOC	3	7012A-011
SW-12-0.0-0.3-FD-W-569-3	CLP-ORGANIC	3	ABH45
SW-12-0.0-0.3-FD-W-569-3	CLP-INORGTOT	3	MAZ028
SW-12-0.0-0.3-FD-W-569-3	CLP-METALDIS	3	MAZ029
SW-12-0.0-0.3-NX-W-220-2	SAS-BOD/TOC	2	6699A-044
SW-12-0.0-0.3-NX-W-220-2	SAS-SULFIDE	2	6719A-060
SW-12-0.0-0.3-NX-W-220-2	CLP-ORGANIC	2	AAK73
SW-12-0.0-0.3-NX-W-220-2	CLP-INORGTOT	2	MAX633
SW-12-0.0-0.3-NX-W-220-2	CLP-METALDIS	2	MAX634
SW-12-0.0-0.3-NX-W-230-2	SAS-WSO	2	6746A-045
SW-12-0.0-0.3-NX-W-529-3	SAS-SULFIDE	3	7012A-007
SW-12-0.0-0.3-NX-W-529-3	SAS-BOD/TOC	3	7012A-010
SW-12-0.0-0.3-NX-W-529-3	CLP-ORGANIC	3	ABH42
SW-12-0.0-0.3-NX-W-529-3	CLP-INORGTOT	3	MAZ021
SW-12-0.0-0.3-NX-W-529-3	CLP-METALDIS	3	MAZ022
SW-12-0.0-0.3-NX-W-622-4	CLP-ORGANIC	4	ABJ08
SW-12-0.0-0.3-NX-W-622-4	CLP-INORGTOT	4	MAAA13
SW-12-0.0-0.3-NX-W-622-4	CLP-METALDIS	4	MAAA14
SW-12-0.0-0.3-NX-W-622-4	SAS-BOD/TOC	4	SA0410
SW-12-0.0-0.3-NX-W-707-5	CLP-ORGANIC	5	ABY04
SW-12-0.0-0.3-NX-W-707-5	CLP-INORGTOT	5	MAAA86
SW-12-0.0-0.3-NX-W-707-5	CLP-METALDIS	5	MAAA87
SW-12-0.0-0.3-NX-W-707-5	SAS-AMMONIA	5	SA1422
SW-13-0.0-0.3-NX-06-20-W-036	SAS-SULFIDE	1	6206A-008
SW-13-0.0-0.3-NX-06-20-W-036	SAS-BOD/TOC	1	6240A-007
SW-13-0.0-0.3-NX-06-20-W-036	CLP-ORGANIC	1	AY009
SW-13-0.0-0.3-NX-06-20-W-036	CLP-INORGTOT	1	MAW543
SW-13-0.0-0.3-NX-06-20-W-036	CLP-METALDIS	1	MAW544
SW-13-0.0-0.3-NX-W-218-2	SAS-BOD/TOC	2	6699A-042A
SW-13-0.0-0.3-NX-W-218-2	SAS-SULFIDE	2	6719A-056
SW-13-0.0-0.3-NX-W-218-2	SAS-WSO	2	6746A-042
SW-13-0.0-0.3-NX-W-218-2	CLP-ORGANIC	2	AAK69
SW-13-0.0-0.3-NX-W-218-2	CLP-METALDIS	2	MAX626
SW-13-0.0-0.3-NX-W-218-2	CLP-INORGTOT	2	MAX627
SW-14-0.0-0.3-NX-06-19-W-037	SAS-SULFIDE	1	6206A-006
SW-14-0.0-0.3-NX-06-19-W-037	SAS-BOD/TOC	1	6240A-006
SW-14-0.0-0.3-NX-06-19-W-037	CLP-ORGANIC	1	AY008
SW-14-0.0-0.3-NX-06-19-W-037	CLP-INORGTOT	1	MAW509
SW-14-0.0-0.3-NX-06-19-W-037	CLP-METALDIS	1	MAW510
SW-14-0.0-0.3-NX-W-217-2	SAS-BOD/TOC	2	6699A-039

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M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SW-14-0.0-0.3-NX-W-217-2	SAS-SULFIDE	2	6719A-050
SW-14-0.0-0.3-NX-W-217-2	SAS-WSO	2	6746A-039
SW-14-0.0-0.3-NX-W-217-2	CLP-INORGTOT	2	MAX617
SW-14-0.0-0.3-NX-W-217-2	CLP-METALDIS	2	MAX618
SW-14-0.0-0.3-NX-W-317-2	CLP-ORGANIC	2	AAK63
SW-15-0.0-0.3-NX-06-25-W-038	SAS-SULFIDE	1	6206A-040
SW-15-0.0-0.3-NX-06-25-W-038	SAS-BOD/TOC	1	6240A-032
SW-15-0.0-0.3-NX-06-25-W-038	CLP-ORGANIC	1	AAJ04
SW-15-0.0-0.3-NX-06-25-W-038	CLP-INORGTOT	1	MAT051
SW-15-0.0-0.3-NX-06-25-W-038	CLP-METALDIS	1	MAT052
SW-15-0.0-0.3-NX-W-223-2	SAS-BOD/TOC	2	6699A-048
SW-15-0.0-0.3-NX-W-223-2	SAS-SULFIDE	2	6719A-065
SW-15-0.0-0.3-NX-W-223-2	SAS-WSO	2	6746A-049
SW-15-0.0-0.3-NX-W-223-2	CLP-ORGANIC	2	AAK79
SW-15-0.0-0.3-NX-W-223-2	CLP-METALDIS	2	MAX642
SW-15-0.0-0.3-NX-W-223-2	CLP-INORGTOT	2	MAX643
SW-16-0.0-0.3-NX-W-709-5	CLP-ORGANIC	5	ABY30
SW-16-0.0-0.3-NX-W-709-5	CLP-INORGTOT	5	MAAB21
SW-16-0.0-0.3-NX-W-709-5	CLP-METALDIS	5	MAAB22
SW-16-0.0-0.3-NX-W-709-5	SAS-AMMONIA	5	SA1447
SW-17-0.0-0.3-NX-W-710-5	CLP-ORGANIC	5	ABY29
SW-17-0.0-0.3-NX-W-710-5	CLP-INORGTOT	5	MAAB19
SW-17-0.0-0.3-NX-W-710-5	CLP-METALDIS	5	MAAB20
SW-17-0.0-0.3-NX-W-710-5	SAS-AMMONIA	5	SA1446
SW-18-0.0-0.3-NX-W-708-5	CLP-ORGANIC	5	ABY32
SW-18-0.0-0.3-NX-W-708-5	CLP-INORGTOT	5	MAAB23
SW-18-0.0-0.3-NX-W-708-5	CLP-METALDIS	5	MAAB24
SW-18-0.0-0.3-NX-W-708-5	SAS-AMMONIA	5	SA1448
SEDIMENTS			
SE-01-0.0-0.5-NX-06-20-D-049	SUBCONTRACT	1	
SE-01-0.0-0.5-NX-06-20-D-049	SAS-SULFIDE	1	6206A-020
SE-01-0.0-0.5-NX-06-20-D-049	CLP-ORGANIC	1	AY023
SE-01-0.0-0.5-NX-06-20-D-049	CLP-INORGTOT	1	MAW516
SE-01-0.0-0.5-NX-D-224-2	SUBCONTRACT	2	
SE-01-0.0-0.5-NX-D-224-2	SAS-SULFIDE	2	6719A-018
SE-01-0.0-0.5-NX-D-224-2	CLP-ORGANIC	2	AZ479
SE-01-0.0-0.5-NX-D-224-2	CLP-INORGTOT	2	MAX354
SE-02-0.0-0.5-NX-06-25-D-050	SUBCONTRACT	1	
SE-02-0.0-0.5-NX-06-25-D-050	SAS-SULFIDE	1	6206A-035
SE-02-0.0-0.5-NX-06-25-D-050	CLP-ORGANIC	1	AY045
SE-02-0.0-0.5-NX-06-25-D-050	CLP-INORGTOT	1	MAT041
SE-02-0.0-0.3-NX-D-711-5	SUBCONTRACT	5	92-149B
SE-02-0.0-0.3-NX-D-711-5	CLP-ORGANIC	5	ABY23
SE-02-0.0-0.3-NX-D-711-5	CLP-INORGTOT	5	MAAB12
SE-02-0.0-0.3-NX-D-711-5	SAS-AMMONIA	5	SA1440
SE-02-0.0-0.5-NX-D-225-2	SUBCONTRACT	2	
SE-02-0.0-0.5-NX-D-225-2	SAS-SULFIDE	2	6719A-020
SE-02-0.0-0.5-NX-D-225-2	CLP-ORGANIC	2	AZ481
SE-02-0.0-0.5-NX-D-225-2	CLP-INORGTOT	2	MAX357
SE-03-0.0-0.5-NX-06-24-D-051	SUBCONTRACT	1	
SE-03-0.0-0.5-NX-06-24-D-051	SAS-SULFIDE	1	6206A-026
SE-03-0.0-0.5-NX-06-24-D-051	CLP-ORGANIC	1	AY031
SE-03-0.0-0.5-NX-06-24-D-051	CLP-INORGTOT	1	MAW530
SE-03-0.0-0.5-NX-D-226-2	SUBCONTRACT	2	
SE-03-0.0-0.5-NX-D-226-2	SAS-SULFIDE	2	6719A-023
SE-03-0.0-0.5-NX-D-226-2	CLP-ORGANIC	2	AZ484
SE-03-0.0-0.5-NX-D-226-2	CLP-INORGTOT	2	MAX362

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SE-04-0-0.5-NX-06-24-D-052	SUBCONTRACT	1	
SE-04-0-0.5-NX-06-24-D-052	SAS-SULFIDE	1	6206A-029
SE-04-0-0.5-NX-06-24-D-052	CLP-ORGANIC	1	AY038
SE-04-0-0.5-NX-06-24-D-052	CLP-INORGTOT	1	MAT029
SE-04-0-0.3-NX-D-712-5	SUBCONTRACT	5	92-148B
SE-04-0-0.3-NX-D-712-5	CLP-ORGANIC	5	ABY18
SE-04-0-0.3-NX-D-712-5	CLP-INORGTOT	5	MAAB06
SE-04-0-0.3-NX-D-712-5	SAS-AMMONIA	5	SA1442
SE-04-0-0.5-NX-D-227-2	SUBCONTRACT	2	
SE-04-0-0.5-NX-D-227-2	SAS-SULFIDE	2	6719A-033
SE-04-0-0.5-NX-D-227-2	CLP-ORGANIC	2	AZ495
SE-04-0-0.5-NX-D-227-2	CLP-INORGTOT	2	MAX380
SE-05-0-0.5-NX-06-24-D-053	SUBCONTRACT	1	
SE-05-0-0.5-NX-06-24-D-053	SAS-SULFIDE	1	6206A-031
SE-05-0-0.5-NX-06-24-D-053	CLP-ORGANIC	1	AY040
SE-05-0-0.5-NX-06-24-D-053	CLP-INORGTOT	1	MAT032
SE-05-0-0.3-NX-D-713-5	SUBCONTRACT	5	92-149A
SE-05-0-0.3-NX-D-713-5	CLP-ORGANIC	5	ABY21
SE-05-0-0.3-NX-D-713-5	CLP-INORGTOT	5	MAAB09
SE-05-0-0.3-NX-D-713-5	SAS-AMMONIA	5	SA1441
SE-05-0-0.5-NX-D-228-2	SUBCONTRACT	2	
SE-05-0-0.5-NX-D-228-2	SAS-SULFIDE	2	6719A-031
SE-05-0-0.5-NX-D-228-2	CLP-ORGANIC	2	AZ493
SE-05-0-0.5-NX-D-228-2	CLP-INORGTOT	2	MAX377
SE-06-0-0.5-FD-06-21-D-073	SUBCONTRACT	1	
SE-06-0-0.5-FD-06-21-D-073	SAS-SULFIDE	1	6206A-023
SE-06-0-0.5-FD-06-21-D-073	CLP-ORGANIC	1	AY026
SE-06-0-0.5-FD-06-21-D-073	CLP-INORGTOT	1	MAW521
SE-06-0-0.5-NX-06-21-D-054	SUBCONTRACT	1	
SE-06-0-0.5-NX-06-21-D-054	SAS-SULFIDE	1	6206A-019
SE-06-0-0.5-NX-06-21-D-054	CLP-ORGANIC	1	AY022
SE-06-0-0.5-NX-06-21-D-054	CLP-INORGTOT	1	MAW515
SE-06-0-0.3-NX-D-714-5	SUBCONTRACT	5	92-148A
SE-06-0-0.3-NX-D-714-5	CLP-ORGANIC	5	ABY17
SE-06-0-0.3-NX-D-714-5	CLP-INORGTOT	5	MAAB05
SE-06-0-0.3-NX-D-714-5	SAS-AMMONIA	5	SA1436
SE-06-0-0.5-NX-D-229-2	SUBCONTRACT	2	
SE-06-0-0.5-NX-D-229-2	SAS-SULFIDE	2	6719A-035
SE-06-0-0.5-NX-D-229-2	CLP-ORGANIC	2	AZ497
SE-06-0-0.5-NX-D-229-2	CLP-INORGTOT	2	MAX383
SE-07-0-0.5-NX-06-25-D-055	SUBCONTRACT	1	
SE-07-0-0.5-NX-06-25-D-055	SAS-SULFIDE	1	6206A-033
SE-07-0-0.5-NX-06-25-D-055	CLP-ORGANIC	1	AY042
SE-07-0-0.5-NX-06-25-D-055	CLP-INORGTOT	1	MAT035
SE-07-0-0.3-NX-D-715-5	SUBCONTRACT	5	92-146A
SE-07-0-0.3-NX-D-715-5	CLP-ORGANIC	5	ABY07
SE-07-0-0.3-NX-D-715-5	CLP-INORGTOT	5	MAAA90
SE-07-0-0.3-NX-D-715-5	SAS-AMMONIA	5	SA1423
SE-07-0-0.5-NX-D-230-2	SUBCONTRACT	2	
SE-07-0-0.5-NX-D-230-2	SAS-SULFIDE	2	6719A-061
SE-07-0-0.5-NX-D-230-2	CLP-ORGANIC	2	AAK75
SE-07-0-0.5-NX-D-230-2	CLP-INORGTOT	2	MAX635
SE-08-0-0.5-NX-06-25-D-031	SAS-SULFIDE	1	6206A-043
SE-08-0-0.5-NX-06-25-D-056	SUBCONTRACT	1	
SE-08-0-0.5-NX-06-25-D-056	CLP-ORGANIC	1	AAJ07
SE-08-0-0.5-NX-06-25-D-056	CLP-INORGTOT	1	MAT058
SE-08-0-0-0.5-FD-D-324-2	SUBCONTRACT	2	
SE-08-0-0-0.5-FD-D-324-2	SAS-SULFIDE	2	6719A-043
SE-08-0-0-0.5-FD-D-324-2	CLP-ORGANIC	2	AAK56

ROSE HILL ANALYTICAL DATA
M&E SAMPLE ID: CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SE-08-0.0-0.5-FD-D-324-2	CLP-INORGTOT	2	MAX398
SE-08-0.0-0.5-NX-D-231-2	SUBCONTRACT	2	
SE-08-0.0-0.5-NX-D-231-2	SAS-SULFIDE	2	6719A-044
SE-08-0.0-0.5-NX-D-231-2	CLP-ORGANIC	2	AAK57
SE-08-0.0-0.5-NX-D-231-2	CLP-INORGTOT	2	MAX399
SE-09-0.0-0.3-FD-06-20-D-074	SAS-SULFIDE	1	6206A-017
SE-09-0.0-0.5-FD-06-20-D-074	SUBCONTRACT	1	
SE-09-0.0-0.5-FD-06-20-D-074	CLP-ORGANIC	1	AY019
SE-09-0.0-0.5-FD-06-20-D-074	CLP-INORGTOT	1	MAT028
SE-09-0.0-0.5-NX-06-20-D-057	SUBCONTRACT	1	
SE-09-0.0-0.5-NX-06-20-D-057	SAS-SULFIDE	1	6206A-015
SE-09-0.0-0.5-NX-06-20-D-057	CLP-ORGANIC	1	AY016
SE-09-0.0-0.5-NX-06-20-D-057	CLP-INORGTOT	1	MAT024
SE-09-0.0-0.3-FD-D-746-5	SUBCONTRACT	5	92-146C
SE-09-0.0-0.3-FD-D-746-5	CLP-ORGANIC	5	ABY10
SE-09-0.0-0.3-FD-D-746-5	CLP-INORGTOT	5	MAAA95
SE-09-0.0-0.3-FD-D-746-5	SAS-AMMONIA	5	SA1429
SE-09-0.0-0.3-NX-D-716-5	SUBCONTRACT	5	92-146B
SE-09-0.0-0.3-NX-D-716-5	CLP-ORGANIC	5	ABY09
SE-09-0.0-0.3-NX-D-716-5	CLP-INORGTOT	5	MAAA94
SE-09-0.0-0.3-NX-D-716-5	SAS-AMMONIA	5	SA1427
SE-09-0.0-0.5-NX-D-237-2	SUBCONTRACT	2	
SE-09-0.0-0.5-NX-D-237-2	SAS-SULFIDE	2	6719A-069
SE-09-0.0-0.5-NX-D-237-2	CLP-ORGANIC	2	AAK84
SE-09-0.0-0.5-NX-D-237-2	CLP-INORGTOT	2	MAX649
SE-10-0.0-0.5-NX-06-20-D-058	SUBCONTRACT	1	
SE-10-0.0-0.5-NX-06-20-D-058	SAS-SULFIDE	1	6206A-011
SE-10-0.0-0.5-NX-06-20-D-058	CLP-ORGANIC	1	AY012
SE-10-0.0-0.5-NX-06-20-D-058	CLP-INORGTOT	1	MAW547
SE-10-0.0-0.5-FD-D-323-2	SUBCONTRACT	2	
SE-10-0.0-0.5-FD-D-323-2	SAS-SULFIDE	2	6719A-074
SE-10-0.0-0.5-FD-D-323-2	CLP-ORGANIC	2	AAK89
SE-10-0.0-0.5-FD-D-323-2	CLP-INORGTOT	2	MAX657
SE-10-0.0-0.5-NX-D-236-2	SUBCONTRACT	2	
SE-10-0.0-0.5-NX-D-236-2	SAS-SULFIDE	2	6719A-073
SE-10-0.0-0.5-NX-D-236-2	CLP-ORGANIC	2	AAK88
SE-10-0.0-0.5-NX-D-236-2	CLP-INORGTOT	2	MAX656
SE-11-0.0-0.3-NX-D-717-5	SUBCONTRACT	5	92-146D
SE-11-0.0-0.3-NX-D-717-5	CLP-ORGANIC	5	ABY14
SE-11-0.0-0.3-NX-D-717-5	CLP-INORGTOT	5	MAAB02
SE-11-0.0-0.3-NX-D-717-5	SAS-AMMONIA	5	SA1433
SE-11-0.0-0.5-NX-D-234-2	SUBCONTRACT	2	
SE-11-0.0-0.5-NX-D-234-2	SAS-SULFIDE	2	6719A-052
SE-11-0.0-0.5-NX-D-234-2	CLP-ORGANIC	2	AAK65
SE-11-0.0-0.5-NX-D-234-2	CLP-INORGTOT	2	MAX620
SE-12-0.0-0.5-NX-06-25-D-060	SUBCONTRACT	1	
SE-12-0.0-0.5-NX-06-25-D-060	SAS-SULFIDE	1	6206A-037
SE-12-0.0-0.5-NX-06-25-D-060	CLP-ORGANIC	1	AY048
SE-12-0.0-0.5-NX-06-25-D-060	CLP-INORGTOT	1	MAT046
SE-12-0.0-0.3-NX-D-718-5	SUBCONTRACT	5	92-145
SE-12-0.0-0.3-NX-D-718-5	CLP-ORGANIC	5	ABY03
SE-12-0.0-0.3-NX-D-718-5	CLP-INORGTOT	5	MAAA88
SE-12-0.0-0.3-NX-D-718-5	SAS-AMMONIA	5	SA1426
SE-12-0.0-0.5-NX-D-235-2	SUBCONTRACT	2	
SE-12-0.0-0.5-NX-D-235-2	SAS-SULFIDE	2	6719A-059
SE-12-0.0-0.5-NX-D-235-2	CLP-ORGANIC	2	AAK72
SE-12-0.0-0.5-NX-D-235-2	CLP-INORGTOT	2	MAX632
SE-13-0.0-0.5-NX-06-20-D-061	SUBCONTRACT	1	
SE-13-0.0-0.5-NX-06-20-D-061	SAS-SULFIDE	1	6206A-009

ROSE HILL ANALYTICAL DATA
M&E SAMPLE IDs CROSS-REFERENCED TO CONTRACT LABORATORY PROGRAM (CLP) NUMBERS

M&E SAMPLE ID	METHOD	ROUNDNO	CLPSAMPID
SE-13-0-0.5-NX-06-20-D-061	CLP-ORGANIC	1	AY010
SE-13-0-0.5-NX-06-20-D-061	CLP-ORGANIC	1	AY010
SE-13-0-0.5-NX-06-20-D-061	CLP-INORGTOT	1	MAW545
SE-13-0-0-0.5-NX-D-233-2	SUBCONTRACT	2	
SE-13-0-0-0.5-NX-D-233-2	SAS-SULFIDE	2	6719A-053
SE-13-0-0-0.5-NX-D-233-2	CLP-ORGANIC	2	AAK66
SE-13-0-0-0.5-NX-D-233-2	CLP-INORGTOT	2	MAX621
SE-14-0-0.3-NX-06-19-D-062	SUBCONTRACT	1	
SE-14-0-0.3-NX-06-19-D-062	SAS-SULFIDE	1	6206A-007
SE-14-0-0.3-NX-06-19-D-062	CLP-ORGANIC	1	AAJ01
SE-14-0-0.3-NX-06-19-D-062	CLP-INORGTOT	1	MAW511
SE-14-0-0-0.5-NX-D-232-2	SUBCONTRACT	2	
SE-14-0-0-0.5-NX-D-232-2	SAS-SULFIDE	2	6719A-051
SE-14-0-0-0.5-NX-D-232-2	CLP-ORGANIC	2	AAK64
SE-14-0-0-0.5-NX-D-232-2	CLP-INORGTOT	2	MAX619
SE-15-0-0.5-NX-06-25-D-063	SUBCONTRACT	1	
SE-15-0-0.5-NX-06-25-D-063	SAS-SULFIDE	1	6206A-041
SE-15-0-0.5-NX-06-25-D-063	CLP-ORGANIC	1	AAJ05
SE-15-0-0.5-NX-06-25-D-063	CLP-INORGTOT	1	MAT053
SE-15-0-0-0.5-NX-D-238-2	SUBCONTRACT	2	
SE-15-0-0-0.5-NX-D-238-2	SAS-SULFIDE	2	6719A-066
SE-15-0-0-0.5-NX-D-238-2	CLP-ORGANIC	2	AAK80
SE-15-0-0-0.5-NX-D-238-2	CLP-INORGTOT	2	MAX644
SE-16-0-0-0.3-NX-D-720-5	SUBCONTRACT	5	92-150B
SE-16-0-0-0.3-NX-D-720-5	CLP-ORGANIC	5	ABY28
SE-16-0-0-0.3-NX-D-720-5	CLP-INORGTOT	5	MAAB18
SE-16-0-0-0.3-NX-D-720-5	SAS-AMMONIA	5	SA1445
SE-17-0-0-0.3-NX-D-721-5	SUBCONTRACT	5	92-150A
SE-17-0-0-0.3-NX-D-721-5	CLP-ORGANIC	5	ABY27
SE-17-0-0-0.3-NX-D-721-5	CLP-INORGTOT	5	MAAB17
SE-17-0-0-0.3-NX-D-721-5	SAS-AMMONIA	5	SA1444
SE-18-0-0-0.3-NX-D-719-5	SUBCONTRACT	5	92-150C
SE-18-0-0-0.3-NX-D-719-5	CLP-ORGANIC	5	ABY33
SE-18-0-0-0.3-NX-D-719-5	CLP-INORGTOT	5	MAAB25
SE-18-0-0-0.3-NX-D-719-5	SAS-AMMONIA	5	SA1449
LANDFILL GAS			
SG-BW(04+100)-6	SAS-SUMMA	5	SA1402
SG-BW(05+500)-12	SAS-SUMMA	5	SA1403
SG-SS(08+000)-12	SAS-SUMMA	5	SA1401
SG-SW(03+300)-6	SAS-SUMMA	5	SA1407
SG-SW(11+500)-5	SAS-SUMMA	5	SA1405
SG-SW(13+300)-12	SAS-SUMMA	5	SA1404
SG-SWD(13+300)-12	SAS-SUMMA	5	SA1406

NOTES:

SUBCONTRACT - Subcontracted, non-CLP analysis, i.e. Atterberg limits, permeability tests, grain size analysis, and total combustible organics.
CLP-ORGANIC - CLP analysis of volatile organic compounds, semivolatile organic compounds, and pesticides/PCBs.
CLP-INORGTOT - CLP analysis of unfiltered/total metals and cyanide.
CLP-METALDIS - CLP analysis of filtered metals.
SAS-SULFIDE - Special Analytical Service analysis for sulfide.
SAS-BOD/TOC - Special Analytical Service analysis for biological oxygen demand or total organic carbon.
SAS-WSO - Special Analytical Service analysis for water soluble organic compounds.
SAS-524.2 - Special Analytical Service analysis for volatile organic

compounds under EPA method 524.2.

SAS-AMMONIA - Special Analytical Service analysis for ammonia.

SAS-SUMMA - Special Analytical Service analysis for summa canisters using method TO-14.

D-6 COMPLETE ANALYTICAL DATA, SURFACE SOILS

- SEPTEMBER/OCTOBER 1991
- APRIL 1992

SURFACE SOIL - SEPTEMBER/OCTOBER 1991

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-01	SS-02	SS-03	SS-04	SS-05
SITE LOCATION:	BACKGROUND	BACKGROUND	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-01-0.0-0.5-NX-S-239-2	SS-02-0.0-0.5-NX-S-240-2	SS-03-0.0-0.5-NX-S-241-2	SS-04-0.0-0.5-NX-S-242-2	SS-05-0.0-0.5-NX-S-243-2
DATE SAMPLED:	09/26/91	09/26/91	09/27/91	09/26/91	09/27/91

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/kg)	14 UJ	8 J	13 U	13 U
1,1,1-Trichloroethane	10	14 UJ	8 J	13 U	11 U
1,1,2,2-Tetrachloroethane	10	14 UJ	13 U	13 U	11 U
1,1,2-Trichloroethane	10	14 UJ	13 U	13 U	11 U
1,1-Dichloroethane	10	14 U	25	13 U	11 U
1,1-Dichloroethane	10	14 U	13 U	13 U	11 U
1,2-Dichloroethane	10	14 U	13 U	13 U	11 U
1,2-Dichloroethane(total)	10	14 U	970 J	13 U	11 U
1,2-Dichloropropane	10	14 UJ	13 U	13 U	11 U
2-Butanone	10	14 U	24 J	830 J	11 U
2-Hexanone	10	14 UJ	13 U	6 J	11 U
4-Methyl-2-pentanone	10	14 UJ	13 U	3 J	11 U
Acetone	10	7 J	8500 U	160000 J	75
Benzene	10	14 UJ	6 J	13 U	11 U
Bromodichloromethane	10	14 UJ	13 U	13 U	11 U
Bromoform	10	14 UJ	13 U	13 U	11 U
Bromomethane	10	14 U	13 U	13 U	11 U
Carbon Disulfide	10	14 U	13 U	13 U	11 U
Carbon Tetrachloride	10	14 UJ	13 U	13 U	11 U
Chlorobenzene	10	14 UJ	13 U	13 U	11 U
Chloroethane	10	14 U	13 U	13 U	11 U
Chloroform	10	14 U	3 J	13 U	2 J
Chloromethane	10	14 U	13 UJ	13 U	11 UJ
Dibromochloromethane	10	14 UJ	13 U	13 U	11 U
Ethylbenzene	10	14 UJ	11 J	13 U	11 U
Methylene Chloride	10	14 U	13 U	13 U	11 U
Styrene	10	14 UJ	13 U	13 U	11 U
Tetrachloroethane	10	14 UJ	2 J	5 J	11 U
Toluene	10	14 UJ	87	58	11 U
Total Xylenes	10	14 UJ	20	45	11 U
Trichloroethane	10	14 UJ	13 U	13 U	11 U
Vinyl Chloride	10	14 U	4 J	13 U	11 U
cis-1,3-Dichloropropene	10	14 UJ	13 U	13 U	11 U
trans-1,3-Dichloropropene	10	14 UJ	13 U	13 U	11 U
SEMIVOLATILE ORGANICS	CRQL (ug/kg)	460 U	420 UJ	420 U	370 UJ
1,2,4-Trichlorobenzene	330				

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	SS-01 BACKGROUND 0.0-0.5 09/26/91	SS-02 BACKGROUND 0.0-0.5 09/26/91	SS-03 SOLID WASTE 0.0-0.5 09/27/91	SS-04 SOLID WASTE 0.0-0.5 09/26/91	SS-05 SOLID WASTE 0.0-0.5 09/27/91
1,2-Dichlorobenzene	330	420 U	460 U	420 U	370 UJ
1,3-Dichlorobenzene	330	420 U	460 U	420 U	370 UJ
1,4-Dichlorobenzene	330	420 U	460 U	420 U	370 UJ
2,2'-oxybis(1-Chloropropane)	330	420 U	460 U	420 U	370 UJ
2,4,5-Trichlorophenol	800	1000 U	1000 UJ	1000 U	910 UJ
2,4,6-Trichlorophenol	330	420 U	420 UJ	420 U	370 UJ
2,4-Dichlorophenol	330	460 U	420 UJ	420 U	370 UJ
2,4-Dimethylphenol	330	420 U	420 UJ	420 U	370 UJ
2,4-Dinitrophenol	800	1000 U	1000 UJ	1000 U	910 UJ
2,4-Dinitrotoluene	330	420 U	420 UJ	420 U	370 UJ
2,6-Dinitrotoluene	330	420 U	420 UJ	420 U	370 UJ
2-Chloronaphthalene	330	420 U	420 UJ	420 U	370 UJ
2-Chlorophenol	330	420 U	420 UJ	420 U	370 UJ
2-Methylnaphthalene	330	420 U	420 UJ	420 U	370 UJ
2-Methylphenol	330	460 U	420 UJ	420 U	370 UJ
2-Nitroaniline	800	1000 U	1000 UJ	1000 U	910 UJ
2-Nitrophenol	330	420 U	420 UJ	420 U	370 UJ
3,3'-Dichlorobenzidine	330	420 U	420 UJ	420 U	370 UJ
3-Nitroaniline	800	1000 U	1000 UJ	1000 U	910 UJ
4,6-Dinitro-2-methylphenol	800	1000 U	1000 UJ	1000 U	910 UJ
4-Bromophenyl-phenylether	330	420 U	420 UJ	420 U	370 UJ
4-Chloro-3-methylphenol	330	420 U	420 UJ	420 U	370 UJ
4-Chloroaniline	330	420 U	420 UJ	420 U	370 UJ
4-Chlorophenyl-phenylether	330	420 U	420 UJ	420 U	370 UJ
4-Methylphenol	330	420 U	420 UJ	420 U	370 UJ
4-Nitroaniline	800	1000 U	1000 UJ	1000 U	910 UJ
4-Nitrophenol	800	1000 U	1000 UJ	1000 U	910 UJ
Acenaphthene	330	420 U	420 UJ	420 U	370 UJ
Acenaphthylene	330	420 U	420 UJ	420 U	370 UJ
Anthracene	330	420 U	420 UJ	420 U	370 UJ
Benzo(a)anthracene	330	420 U	420 UJ	420 U	370 UJ
Benzo(a)pyrene	330	420 U	420 UJ	420 U	370 UJ
Benzo(b)fluoranthene	330	420 U	420 UJ	420 U	370 UJ
Benzo(g,h,i)perylene	330	420 U	420 UJ	420 U	370 UJ
Benzo(k)fluoranthene	330	420 U	420 UJ	420 U	370 UJ
Butylbenzylphthalate	330	41 J	41 J	420 U	370 UJ
Carbazole	330	420 U	420 UJ	420 U	370 UJ
Chrysene	330	420 U	420 UJ	420 U	370 UJ
Di-n-butylphthalate	330	420 U	420 UJ	420 U	370 UJ

REMARKS:

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:		SS-01	SS-02	SS-03	SS-04	SS-05
SITE LOCATION:		BACKGROUN	BACKGROUN	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:		SS-01-0.0-0.5-NX-S-239-2	SS-02-0.0-0.5-NX-S-240-2	SS-03-0.0-0.5-NX-S-241-2	SS-04-0.0-0.5-NX-S-242-2	SS-05-0.0-0.5-NX-S-243-2
DATE SAMPLED:		09/26/91	09/26/91	09/27/91	09/26/91	09/27/91
REMARKS:						
Di-n-octylphthalate	330	420 U	460 U	420 UJ	420 U	370 UJ
Dibenz(a,h)anthracene	330	420 U	460 U	420 UJ	420 U	370 UJ
Dibenzofuran	330	420 U	460 U	420 UJ	420 U	370 UJ
Diethylphthalate	330	420 U	31 J	420 UJ	420 U	370 UJ
Dimethylphthalate	330	420 U	460 U	420 UJ	420 U	370 UJ
Fluoranthene	330	25 J	460 U	420 UJ	59 J	160 J
Fluorene	330	420 U	460 U	420 UJ	420 U	370 UJ
Hexachlorobenzene	330	420 U	460 U	420 UJ	420 U	370 UJ
Hexachlorobutadiene	330	420 U	460 U	420 UJ	420 U	370 UJ
Hexachlorocyclopentadiene	330	420 U	460 U	420 UJ	420 U	370 UJ
Hexachloroethane	330	420 U	460 U	420 UJ	420 U	370 UJ
Indeno(1,2,3-cd)pyrene	330	420 U	460 U	420 UJ	23 J	52 J
Isophorone	330	420 U	460 U	420 UJ	420 U	370 UJ
N-Nitroso-di-n-propylamine	330	420 U	460 U	420 UJ	420 U	370 UJ
N-Nitrosodiphenylamine	330	420 U	460 U	420 UJ	420 U	370 UJ
Naphthalene	330	420 U	460 U	420 UJ	420 U	370 UJ
Nitrobenzene	330	420 U	460 U	420 UJ	420 U	370 UJ
Pentachlorophenol	800	1000 U	1100 U	1000 UJ	1000 U	910 UJ
Phenanthrene	330	420 U	460 U	420 UJ	55 J	110 J
Phenol	330	420 U	460 U	420 UJ	420 U	370 UJ
Pyrene	330	29 J	460 U	420 UJ	64 J	170 J
bis(2-Chloroethoxy)methane	330	420 U	460 U	420 UJ	420 U	370 UJ
bis(2-Chloroethyl) ether	330	420 U	460 U	420 UJ	420 U	370 UJ
bis(2-Ethylhexyl)phthalate	330	420 U	460 U	420 UJ	420 U	370 UJ
PESTICIDES/PCBs		CRQL (ug/kg)				
4,4'-DDD	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
4,4'-DDE	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
4,4'-DDT	3.3	1.2 J	4.6 U	4.2 UJ	4.7 J	3.7 UJ
Aldrin	1.7	0.6 J	2.4 U	2.2 UJ	2.2 U	1.9 UJ
Aroclor-1016	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Aroclor-1221	67.0	85.0 U	93.0 U	85.0 UJ	85.0 U	76.0 UJ
Aroclor-1232	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Aroclor-1242	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Aroclor-1248	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Aroclor-1254	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Aroclor-1260	33.0	42.0 U	46.0 U	42.0 UJ	42.0 U	37.0 UJ
Dieldrin	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-01	SS-02	SS-03	SS-04	SS-05
SITE LOCATION:	BACKGROUND	BACKGROUND	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-01-0.0-0.5-NX-S-239-2	SS-02-0.0-0.5-NX-S-240-2	SS-03-0.0-0.5-NX-S-241-2	SS-04-0.0-0.5-NX-S-242-2	SS-05-0.0-0.5-NX-S-243-2
DATE SAMPLED:	09/26/91	09/26/91	09/27/91	09/26/91	09/27/91

REMARKS:

Endosulfan I	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
Endosulfan II	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
Endosulfan Sulfate	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
Endrin	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
Endrin Aldehyde	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
Endrin Ketone	3.3	4.2 U	4.6 U	4.2 UJ	4.2 U	3.7 UJ
Heptachlor	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
Heptachlor Epoxide	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
Methoxychlor	17.0	21.0 U	24.0 U	22.0 UJ	22.0 U	19.0 UJ
Toxaphene	170.0	210.0 U	240.0 U	220.0 UJ	220.0 U	190.0 UJ
alpha-BHC	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
alpha-Chlordane	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
beta-BHC	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
delta-BHC	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
gamma-BHC(Lindane)	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ
gamma-Chlordane	1.7	2.1 U	2.4 U	2.2 UJ	2.2 U	1.9 UJ

METALS CRDL(mg/kg)

Aluminum	200	12200	16600	11000	7880	7650
Antimony	60	6.3 U	6.9 UJ	6.5 UJ	6.1 UJ	5.7 UJ
Arsenic	10	2.8 J	2.1 J	1.4	1.2 J	0.81
Barium	200	15.4	37.8	17.7	17.0	17.2
Beryllium	5	0.57 UJ	0.62 UJ	0.56 U	0.55 UJ	0.63 U
Cadmium	5	0.8 U	0.8 U	0.78 U	0.7 U	0.68 U
Calcium	5000	645	712	534	696	781
Chromium	10	11.2	17.5	11.2	10.0	9.7
Cobalt	50	3.0	3.6	4.1	4.8	4.0
Copper	25	3.5	5.3	253	5.4	7.2
Iron	100	12300	18100	12100	12100	10200
Lead	3	30.1 J	14.3 J	10.3	7.3 J	8.1
Magnesium	5000	1110	1220	1600	1750	1310
Manganese	15	104	267	92.1	131	123
Mercury	0.2	0.1 U	0.1 U	0.13 U	0.1 U	0.11 U
Nickel	40	4.1	5.5	10.3	6.8	5.2
Potassium	5000	673	909	612	945 UJ	697
Selenium	5	0.83 U	0.78 UJ	0.85 UJ	0.57 UJ	0.23 UJ
Silver	10	0.8 U	0.8 U	0.78 U	0.73	0.68 U
Sodium	5000	47.6 U	54.0 U	44.7 U	57.0 U	46.5 U

LOCATION NAME:	SS-01	SS-02	SS-03	SS-04	SS-05
SITE LOCATION:	BACKGROUND	BACKGROUND	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-01-0.0-0.5-NX-S-239-2	SS-02-0.0-0.5-NX-S-240-2	SS-03-0.0-0.5-NX-S-241-2	SS-04-0.0-0.5-NX-S-242-2	SS-05-0.0-0.5-NX-S-243-2
DATE SAMPLED:	09/26/91	09/26/91	09/27/91	09/26/91	09/27/91

REMARKS:

Thallium
Vanadium
Zinc

10 0.3 U 0.36 0.2 U 0.23 U
50 21.0 18.2 16.9 13.7
20 22.3 40.5 24.4 39.9

SOIL QUALITY PARAMETERS

CYANIDE CRDL (mg/kg)

Cyanide 20 3.2 U 3.4 U 3.3 U 3.0 U 2.8 U

TOTAL COMBUSTIBLE ORGANICS

Moisture Content (%)
Organic Content (%)
Solids Content (%)

21.5 28.3 22.6 19.2 14.7
6.8 7.5 5.5 3.7 2.3
78.5 71.7 77.3 80.8 85.3

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-06	SS-07	SS-08	SS-09
SITE LOCATION:	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	BULKY WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-06-0.0-0.5-NX-S-244-2	SS-07-0.0-0.5-FD-S-326-2	SS-08-0.0-0.5-NX-S-245-2	SS-09-0.0-0.5-FD-S-325-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/27/91

REMARKS: Field Duplicate

VOLATILE ORGANICS-CLP	CRQL(ug/kg)	14 UJ	14 UJ	13 U	12 U
1,1,1-Trichloroethane	10	11 U	14 UJ	13 U	12 U
1,1,2,2-Tetrachloroethane	10	11 U	14 UJ	13 U	12 U
1,1,2-Trichloroethane	10	11 U	14 UJ	13 U	12 U
1,1-Dichloroethane	10	11 U	2 J	13 U	12 U
1,1-Dichloroethane	10	11 U	14 U	13 U	12 U
1,2-Dichloroethane	10	11 U	14 U	13 U	12 U
1,2-Dichloroethane(total)	10	11 U	6 J	13 U	12 U
1,2-Dichloropropane	10	11 U	14 UJ	13 U	12 U
2-Butanone	10	11 U	23 J	13 U	12 U
2-Hexanone	10	11 U	14 UJ	13 U	33 J
4-Methyl-2-pentanone	10	11 U	14 UJ	13 U	12 U
Acetone	10	32	4400 U	15 J	2400 J
Benzene	10	11 U	14 U	13 U	12 U
Bromodichloromethane	10	11 U	14 U	13 U	12 U
Bromoform	10	11 U	14 U	13 U	12 U
Bromomethane	10	11 U	14 U	13 U	12 U
Carbon Disulfide	10	11 U	14 U	13 U	12 U
Carbon Tetrachloride	10	11 U	14 U	13 U	12 U
Chlorobenzene	10	11 U	14 UJ	13 U	12 U
Chloroethane	10	11 U	14 U	13 U	12 U
Chloroform	10	2 J	14 U	13 U	2 J
Chloromethane	10	11 UJ	14 U	13 U	12 U
Dibromochloromethane	10	11 U	14 U	13 U	12 U
Ethylbenzene	10	11 U	14 UJ	13 U	12 UJ
Methylene Chloride	10	11 U	14 U	20 U	12 U
Styrene	10	11 U	14 UJ	13 U	12 U
Tetrachloroethane	10	11 U	14 UJ	4 J	2 J
Toluene	10	11 U	14 UJ	13 U	12 UJ
Total Xylenes	10	11 U	14 UJ	13 U	12 UJ
Trichloroethane	10	11 U	14 U	13 U	12 UJ
Vinyl Chloride	10	11 U	14 U	13 U	12 U
cis-1,3-Dichloropropene	10	11 U	14 U	13 U	12 U
trans-1,3-Dichloropropene	10	11 U	14 U	13 U	12 U
SEMIVOLATILE ORGANICS	CRQL(ug/kg)	340 UJ	450 U	420 U	400 UJ
1,2,4-Trichlorobenzene	330				

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	SS-06 NON-DISPOSAL 0.0-0.5 SS-06-0.0-0.5-NX-S-244-2 09/27/91	SS-07 NON-DISPOSAL 0.0-0.5 SS-07-0.0-0.5-FD-S-326-2 09/26/91	SS-07 NON-DISPOSAL 0.0-0.5 SS-07-0.0-0.5-NX-S-245-2 09/26/91	SS-08 NON-DISPOSAL 0.0-0.5 SS-08-0.0-0.5-NX-S-246-2 09/26/91	SS-09 BULKY WASTE 0.0-0.5 SS-09-0.0-0.5-FD-S-325-2 09/27/91
REMARKS:	Field Duplicate				
1,2-Dichlorobenzene	330	460 U	450 U	420 U	400 UJ
1,3-Dichlorobenzene	330	460 U	450 U	420 U	400 UJ
1,4-Dichlorobenzene	330	460 U	450 U	420 U	400 UJ
2,2'-oxybis(1-Chloropropane)	330	460 U	450 U	420 U	400 UJ
2,4,5-Trichlorophenol	800	1100 U	1100 U	1000 U	980 UJ
2,4,6-Trichlorophenol	330	460 U	450 U	420 U	400 UJ
2,4-Dichlorophenol	330	460 U	450 U	420 U	400 UJ
2,4-Dimethylphenol	330	460 U	450 U	420 U	400 UJ
2,4-Dinitrophenol	800	1100 U	1100 U	1000 U	980 UJ
2,4-Dinitrotoluene	330	460 U	450 U	420 U	400 UJ
2,6-Dinitrotoluene	330	460 U	450 U	420 U	400 UJ
2-Chloronaphthalene	330	460 U	450 U	420 U	400 UJ
2-Chlorophenol	330	460 U	450 U	420 U	400 UJ
2-Methylnaphthalene	330	460 U	450 U	420 U	400 UJ
2-Methylphenol	330	460 U	450 U	420 U	400 UJ
2-Nitroaniline	800	1100 U	1100 U	1000 U	980 UJ
2-Nitrophenol	330	460 U	450 U	420 U	400 UJ
3,3'-Dichlorobenzidine	330	460 U	450 U	420 U	400 UJ
3-Nitroaniline	800	1100 U	1100 U	1000 U	980 UJ
4,6-Dinitro-2-methylphenol	800	1100 U	1100 U	1000 U	980 UJ
4-Bromophenyl-phenylether	330	460 U	450 U	420 U	400 UJ
4-Chloro-3-methylphenol	330	460 U	450 U	420 U	400 UJ
4-Chloroaniline	330	460 U	450 U	420 U	400 UJ
4-Chlorophenyl-phenylether	330	460 U	450 U	420 U	400 UJ
4-Methylphenol	330	460 U	450 U	420 U	400 UJ
4-Nitroaniline	800	1100 U	1100 U	1000 U	980 UJ
4-Nitrophenol	800	1100 U	1100 U	1000 U	980 UJ
Acenaphthene	330	460 U	450 U	420 U	400 UJ
Acenaphthylene	330	460 U	450 U	420 U	400 UJ
Anthracene	330	460 U	450 U	420 U	400 UJ
Benzo(a)anthracene	330	53 J	38 J	420 U	400 UJ
Benzo(a)pyrene	330	41 J	31 J	420 U	400 UJ
Benzo(b)fluoranthene	330	60 J	50 J	420 U	400 UJ
Benzo(g,h,i)perylene	330	32 J	450 UJ	420 U	400 UJ
Benzo(k)fluoranthene	330	54 J	40 J	420 U	400 UJ
Butylbenzylphthalate	330	460 U	450 U	420 U	400 UJ
Carbazole	330	460 U	450 U	420 U	400 UJ
Chrysene	330	61 J	44 J	420 U	400 UJ
Di-n-butylphthalate	330	460 UJ	450 UJ	420 U	400 UJ

LOCATION NAME:		SS-06	SS-07	SS-07	SS-08	SS-09
SITE LOCATION:		NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	BULKY WASTE
SAMPLE DEPTH (FT):		0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:		SS-06-0.0-0.5-NX-S-244-2	SS-07-0.0-0.5-FD-S-326-2	SS-07-0.0-0.5-NX-S-245-2	SS-08-0.0-0.5-NX-S-246-2	SS-09-0.0-0.5-FD-S-325-2
DATE SAMPLED:		09/27/91	09/26/91	09/26/91	09/26/91	09/27/91
REMARKS:		Field Duplicate		Field Duplicate		
Di-n-octylphthalate	330	340 UJ	460 U	450 U	420 U	400 UJ
Dibenz(a,h)anthracene	330	340 UJ	460 U	450 U	420 U	400 UJ
Dibenzofuran	330	340 UJ	460 U	450 U	420 U	400 UJ
Diethylphthalate	330	340 UJ	460 U	450 U	420 U	400 UJ
Dimethylphthalate	330	340 UJ	460 U	450 U	420 U	400 UJ
Fluoranthene	330	340 UJ	89 J	57 J	420 U	400 UJ
Fluorene	330	340 UJ	460 U	450 U	420 U	400 UJ
Hexachlorobenzene	330	340 UJ	460 U	450 U	420 U	400 UJ
Hexachlorobutadiene	330	340 UJ	460 U	450 U	420 U	400 UJ
Hexachlorocyclopentadiene	330	340 UJ	460 U	450 U	420 U	400 UJ
Hexachloroethane	330	340 UJ	460 U	450 U	420 U	400 UJ
Indeno(1,2,3-cd)pyrene	330	340 UJ	34 J	450 UJ	420 U	400 UJ
Isophorone	330	340 UJ	460 U	450 U	420 U	400 UJ
N-Nitroso-di-n-propylamine	330	340 UJ	460 U	450 U	420 U	400 UJ
N-Nitrosodiphenylamine	330	340 UJ	460 U	450 U	420 U	400 UJ
Naphthalene	330	340 UJ	460 U	450 U	420 U	400 UJ
Nitrobenzene	330	340 UJ	460 U	450 U	420 U	400 UJ
Pentachlorophenol	800	840 UJ	1100 U	1100 U	1000 U	980 UJ
Phenanthrene	330	340 UJ	80 J	50 J	420 U	400 UJ
Phenol	330	340 UJ	460 U	450 U	420 U	400 UJ
Pyrene	330	340 UJ	130 J	100 J	23 J	400 UJ
bis(2-Chloroethoxy)methane	330	340 UJ	460 U	450 U	420 U	400 UJ
bis(2-Chloroethyl) ether	330	340 UJ	460 U	450 U	420 U	400 UJ
bis(2-Ethylhexyl)phthalate	330	340 UJ	460 U	450 U	420 U	400 UJ
PESTICIDES/PCBs		CRQL (ug/kg)				
4,4'-DDD	3.3	3.5 U	4.6 U	4.6 U	4.3 U	4.1 U
4,4'-DDE	3.3	3.5 U	9.1	8.5	4.3 U	4.1 U
4,4'-DDT	3.3	3.5 U	5.5 J	4.9 J	4.3 U	4.1 U
Aldrin	1.7	1.8 U	2.4 U	2.4 U	2.2 U	2.1 U
Aroclor-1016	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Aroclor-1221	67.0	71.0 U	94.0 U	93.0 U	86.0 U	82.0 U
Aroclor-1232	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Aroclor-1242	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Aroclor-1248	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Aroclor-1254	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Aroclor-1260	33.0	35.0 U	46.0 U	46.0 U	43.0 U	41.0 U
Dieldrin	3.3	3.5 U	4.6 U	4.6 U	4.3 U	4.1 U

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-06	SS-07	SS-07	SS-08	SS-09
SITE LOCATION:	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	BULKY WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-06-0.0-0.5-NX-S-244-2	SS-07-0.0-0.5-FD-S-326-2	SS-07-0.0-0.5-NX-S-245-2	SS-08-0.0-0.5-NX-S-246-2	SS-09-0.0-0.5-FD-S-325-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/26/91	09/27/91

REMARKS:

Field Duplicate

Endosulfan I	1.7	1.8 U	2.4 U	2.4 U	2.1 U
Endosulfan II	3.3	3.5 U	4.6 U	4.6 U	4.1 U
Endosulfan Sulfate	3.3	3.5 U	4.6 U	4.3 U	4.1 U
Endrin	3.3	3.5 U	4.6 U	4.6 U	4.1 U
Endrin Aldehyde	3.3	3.5 U	4.6 U	4.6 U	4.1 U
Endrin Ketone	3.3	3.5 U	4.6 U	4.6 U	4.1 U
Heptachlor	1.7	1.8 U	2.4 U	2.2 U	2.1 U
Heptachlor Epoxide	1.7	1.8 U	2.4 U	2.2 U	2.1 U
Methoxychlor	17.0	18.0 U	24.0 U	22.0 U	21.0 U
Toxaphene	170.0	180.0 U	240.0 U	220.0 U	210.0 U
alpha-BHC	1.7	1.8 U	2.4 U	2.2 U	2.1 U
alpha-Chlordane	1.7	1.8 U	2.4 U	2.2 U	2.1 U
beta-BHC	1.7	1.8 U	2.4 U	2.2 U	2.1 U
delta-BHC	1.7	1.8 U	2.4 U	2.2 U	2.1 U
gamma-BHC(Lindane)	1.7	1.8 U	2.4 U	2.2 U	2.1 U
gamma-Chlordane	1.7	1.8 U	2.4 U	2.2 U	2.1 U

METALS

Aluminum	200	1740	12900	13100	11400	8870
Antimony	60	5.2 UJ	7.0 UJ	6.9 UJ	6.4 UJ	6.2 UJ
Arsenic	10	0.21 U	3.4 J	3.3 J	3.1 J	0.90
Barium	200	5.2	16.7	16.9	16.9	15.9
Beryllium	5	0.45 U	0.54 UJ	0.72 UJ	0.74 UJ	0.69 U
Cadmium	5	0.63 U	0.84	0.8 U	0.8 U	0.74 U
Calcium	5000	196	705	737	952	492
Chromium	10	3.2	13.7	14.1	13.2	7.5
Cobalt	50	1.3 U	3.9	3.7	6.2	3.5
Copper	25	5.0 U	8.0 U	6.3	38.7 U	4.2 U
Iron	100	4090	14600	14800	13300	12200
Lead	3	3.1	28.7 J	26.1 J	10.3 J	5.4
Magnesium	5000	381	976	975	1710	960
Manganese	15	86.6	105	128	167	179
Mercury	0.2	0.10 U	0.1 U	0.1 U	0.1 U	0.12 U
Nickel	40	3.3 U	4.5 U	4.4 U	10.6	4.0 U
Potassium	5000	308	634	705	717	597
Selenium	5	0.21 U	0.74 U	0.99 UJ	0.25 UJ	0.32 UJ
Silver	10	0.63 U	0.8 U	0.8 U	0.8 U	0.74 U
Sodium	5000	23.9 U	59.9 U	54.6 U	69.3 U	43.6 U

LOCATION NAME: SS-06 SS-07 SS-08 SS-09
SITE LOCATION: NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-0.5 0.0-0.5 0.0-0.5
M&E SAMPLE ID: SS-06-0.0-0.5-NX-S-244-2 SS-07-0.0-0.5-FD-S-326-2 SS-08-0.0-0.5-NX-S-245-2 SS-09-0.0-0.5-FD-S-325-2
DATE SAMPLED: 09/27/91 09/26/91 09/26/91 09/27/91

REMARKS: Field Duplicate Field Duplicate
Thallium 10 0.21 U 0.3 U 0.3 U 0.25 U
Vanadium 50 3.2 27.3 27.1 13.1
Zinc 20 20.8 35.8 27.6 35.0

SOIL QUALITY PARAMETERS

CYANIDE CRDL(mg/kg)

Cyanide 20 2.6 U 3.5 U 3.5 U 3.1 U

TOTAL COMBUSTIBLE ORGANICS

Moisture Content (%) 19.1 28.1 29.1 18.2
Organic Content (%) 3.2 12.5 12.6 3.3
Solids Content (%) 80.9 71.8 70.9 81.7

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-09	SS-10	SS-11	SS-12	SS-13
SITE LOCATION:	BULKY WASTE	BULKY WASTE	SEWAGE SLUDGE	SEWAGE SLUDGE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-09-0.0-0.5-NX-S-247-2	SS-10-0.0-0.5-NX-S-248-2	SS-11-0.0-0.5-NX-S-249-2	SS-12-0.0-0.5-NX-S-250-2	SS-13-0.0-0.5-NX-S-338-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/26/91	09/26/91

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/kg)				
1,1,1-Trichloroethane	10	12 U	12 U	11 U	17 U
1,1,2,2-Tetrachloroethane	10	12 U	12 U	11 U	17 UJ
1,1,2-Trichloroethane	10	12 U	12 U	11 U	17 U
1,1-Dichloroethane	10	12 U	12 U	11 U	17 U
1,1-Dichloroethene	10	12 U	12 U	11 U	4 J
1,2-Dichloroethane	10	12 U	12 U	11 U	17 U
1,2-Dichloroethene(total)	10	8 J	12 U	11 U	2400 J
1,2-Dichloropropene	10	12 U	12 U	11 U	17 U
2-Butanone	10	12 U	12 U	11 U	17 U
2-Hexanone	10	1400 J	12 U	11 U	66 J
4-Methyl-2-pentanone	10	12 U	12 U	11 U	17 UJ
Acetone	10	45000 J	12 U	11 U	17 UJ
Benzene	10	12 U	23	14	11000 U
Bromodichloromethane	10	12 U	12 U	11 U	6 J
Bromoform	10	12 U	12 U	11 U	17 U
Bromomethane	10	12 U	12 U	11 U	17 U
Carbon Disulfide	10	12 U	12 U	11 U	17 U
Carbon Tetrachloride	10	12 U	12 U	11 U	17 U
Chlorobenzene	10	12 U	12 U	11 U	17 UJ
Chloroethane	10	12 U	12 U	11 U	17 U
Chloroform	10	12 U	12 U	11 U	17 U
Chloromethane	10	12 U	12 UJ	11 U	17 U
Dibromochloromethane	10	12 U	12 U	11 U	17 U
Ethylbenzene	10	2 J	12 U	11 U	21 J
Methylene Chloride	10	12 U	12 U	11 U	25 U
Styrene	10	12 U	12 U	11 U	17 UJ
Tetrachloroethane	10	24 J	2 J	11 U	4 J
Toluene	10	3 J	12 U	11 U	110 J
Total Xylenes	10	10 J	12 U	11 U	84 J
Trichloroethane	10	2 J	12 U	11 U	17 U
Vinyl Chloride	10	12 U	12 U	11 U	250
cis-1,3-Dichloropropene	10	12 U	12 U	11 U	17 U
trans-1,3-Dichloropropene	10	12 U	12 U	11 U	17 U
SEMIVOLATILE ORGANICS	CRQL (ug/kg)				
1,2,4-Trichlorobenzene	330	380 U	400 U	360 U	550 U

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	SS-09 BULKY WASTE 0.0-0.5 SS-09-0.0-0.5-NX-S-247-2 09/27/91	SS-10 BULKY WASTE 0.0-0.5 SS-10-0.0-0.5-NX-S-248-2 09/26/91	SS-11 SEWAGE SLUDGE 0.0-0.5 SS-11-0.0-0.5-NX-S-249-2 09/26/91	SS-12 SEWAGE SLUDGE 0.0-0.5 SS-12-0.0-0.5-NX-S-250-2 09/26/91	SS-13 SOLID WASTE 0.0-0.5 SS-13-0.0-0.5-NX-S-338-2 09/26/91
REMARKS:					
1,2-Dichlorobenzene	330	400 UJ	380 U	400 U	360 U
1,3-Dichlorobenzene	330	400 UJ	380 U	400 U	360 U
1,4-Dichlorobenzene	330	400 UJ	380 U	400 U	360 U
2,2'-oxybis(1-Chloropropane)	330	400 UJ	380 U	400 U	360 U
2,4,5-Trichlorophenol	800	970 UJ	920 U	960 U	870 U
2,4,6-Trichlorophenol	330	400 UJ	380 U	400 U	360 U
2,4-Dichlorophenol	330	400 UJ	380 U	400 U	360 U
2,4-Dimethylphenol	330	400 UJ	380 U	400 U	360 U
2,4-Dinitrophenol	800	970 UJ	920 U	960 U	870 U
2,4-Dinitrotoluene	330	400 UJ	380 U	400 U	360 U
2,6-Dinitrotoluene	330	400 UJ	380 U	400 U	360 U
2-Chloronaphthalene	330	400 UJ	380 U	400 U	360 U
2-Chlorophenol	330	400 UJ	380 U	400 U	360 U
2-Methylnaphthalene	330	400 UJ	380 U	400 U	360 U
2-Methylphenol	330	400 UJ	380 U	400 U	360 U
2-Nitroaniline	800	970 UJ	920 U	960 U	870 U
2-Nitrophenol	330	400 UJ	380 U	400 U	360 U
3,3'-Dichlorobenzidine	330	400 UJ	380 U	400 U	360 U
3-Nitroaniline	800	970 UJ	920 U	960 U	870 U
4,6-Dinitro-2-methylphenol	800	970 UJ	920 U	960 U	870 U
4-Bromophenyl-phenylether	330	400 UJ	380 U	400 U	360 U
4-Chloro-3-methylphenol	330	400 UJ	380 U	400 U	360 U
4-Chloroaniline	330	400 UJ	380 U	490	360 U
4-Chlorophenyl-phenylether	330	400 UJ	380 U	400 U	360 U
4-Methylphenol	330	400 UJ	380 U	400 U	360 U
4-Nitroaniline	800	970 UJ	920 U	960 U	870 U
4-Nitrophenol	330	400 UJ	380 U	400 U	360 U
Acenaphthene	330	400 UJ	380 U	400 U	360 U
Acenaphthylene	330	400 UJ	380 U	400 U	360 U
Anthracene	330	400 UJ	380 U	400 U	360 U
Benzo(a)anthracene	330	400 UJ	380 U	400 U	360 U
Benzo(a)pyrene	330	400 UJ	380 U	400 U	360 U
Benzo(b)fluoranthene	330	400 UJ	380 U	400 U	360 U
Benzo(g,h,i)perylene	330	400 UJ	380 U	400 U	360 U
Benzo(k)fluoranthene	330	400 UJ	380 U	400 U	360 U
Butylbenzylphthalate	330	400 UJ	120 J	400 U	360 U
Carbazole	330	400 UJ	380 U	400 U	360 U
Chrysene	330	400 UJ	380 U	400 U	360 U
Di-n-butylphthalate	330	400 UJ	380 U	400 U	360 U

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-09	SS-10	SS-11	SS-12	SS-13
SITE LOCATION:	BULKY WASTE	BULKY WASTE	SEWAGE SLUDGE	SEWAGE SLUDGE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-09-0.0-0.5-NX-S-247-2	SS-10-0.0-0.5-NX-S-248-2	SS-11-0.0-0.5-NX-S-249-2	SS-12-0.0-0.5-NX-S-250-2	SS-13-0.0-0.5-NX-S-338-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/26/91	09/26/91

REMARKS:

Di-n-octylphthalate	330	400 UJ	380 U	400 U	360 U	550 U
Dibenz(a,h)anthracene	330	400 UJ	380 U	400 U	360 U	550 U
Dibenzofuran	330	400 UJ	380 U	400 U	360 U	550 U
Diethylphthalate	330	400 UJ	380 U	400 U	29 J	29 J
Dimethylphthalate	330	400 UJ	380 U	400 U	360 U	550 U
Fluoranthene	330	400 UJ	380 U	400 U	360 U	33 J
Fluorene	330	400 UJ	380 U	400 U	360 U	550 U
Hexachlorobenzene	330	400 UJ	380 U	400 U	360 U	550 U
Hexachlorobutadiene	330	400 UJ	380 U	400 U	360 U	550 U
Hexachlorocyclopentadiene	330	400 UJ	380 U	400 U	360 U	550 U
Hexachloroethane	330	400 UJ	380 U	400 U	360 U	550 U
Indeno(1,2,3-cd)pyrene	330	400 UJ	380 U	400 U	360 U	550 U
Isophorone	330	400 UJ	380 U	400 U	360 U	550 U
N-Nitroso-di-n-propylamine	330	400 UJ	380 U	400 U	360 U	550 U
N-Nitrosodiphenylamine	330	400 UJ	380 U	400 U	360 U	550 U
Naphthalene	330	400 UJ	380 U	400 U	360 U	550 U
Nitrobenzene	330	400 UJ	380 U	400 U	360 U	550 U
Pentachlorophenol	800	970 UJ	920 U	960 U	870 U	1300 U
Phenanthrene	330	400 UJ	380 U	400 U	360 U	550 U
Phenol	330	400 UJ	380 U	400 U	360 U	550 U
Pyrene	330	400 UJ	380 U	26 J	360 U	38 J
bis(2-Chloroethoxy)methane	330	400 UJ	380 U	400 U	360 U	550 U
bis(2-Chloroethyl) ether	330	400 UJ	380 U	400 U	360 U	550 U
bis(2-Ethylhexyl)phthalate	330	400 UJ	380 U	400 U	360 U	550 U

PESTICIDES/PCBs

	CRQL (ug/kg)				
4,4'-DDD	3.3	4.0 UJ	20.0 U	3.6 U	5.2 J
4,4'-DDE	3.3	4.0 UJ	20.0 U	3.6 U	7.6
4,4'-DDT	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Aldrin	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
Aroclor-1016	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Aroclor-1221	67.0	81.0 UJ	400.0 U	72.0 U	110.0 U
Aroclor-1232	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Aroclor-1242	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Aroclor-1248	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Aroclor-1254	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Aroclor-1260	33.0	40.0 UJ	200.0 U	36.0 U	55.0 U
Dieldrin	3.3	4.0 UJ	4.5 J	3.6 U	5.5 U

LOCATION NAME:	SS-09	SS-10	SS-11	SS-12	SS-13
SITE LOCATION:	BULKY WASTE	BULKY WASTE	SEWAGE SLUDGE	SEWAGE SLUDGE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-09-0.0-0.5-NX-S-247-2	SS-10-0.0-0.5-NX-S-248-2	SS-11-0.0-0.5-NX-S-249-2	SS-12-0.0-0.5-NX-S-250-2	SS-13-0.0-0.5-NX-S-338-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/26/91	09/26/91

REMARKS:

Endosulfan I	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
Endosulfan II	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Endosulfan Sulfate	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Endrin	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Endrin Aldehyde	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Endrin Ketone	3.3	4.0 UJ	20.0 U	3.6 U	5.5 U
Heptachlor	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
Heptachlor Epoxide	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
Methoxychlor	17.0	21.0 UJ	100.0 U	18.0 U	28.0 U
Toxaphene	170.0	210.0 UJ	1000.0 U	180.0 U	280.0 U
alpha-BHC	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
alpha-Chlordane	1.7	2.1 UJ	3.7 J	1.8 U	2.8 U
beta-BHC	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
delta-BHC	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
gamma-BHC(Lindene)	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U
gamma-Chlordane	1.7	2.1 UJ	10.0 U	1.8 U	2.8 U

METALS CRDL(mg/kg)

Aluminum	200	9010	8630	6360	3450	11000
Antimony	60	6.2 UJ	5.7 UJ	78.8 J	5.1 UJ	7.3 UJ
Arsenic	10	1.2	1.3 J	0.86 J	0.52 J	1.6 J
Barium	200	16.9	16.5	58.9	8.5	20.3
Beryllium	5	0.68 U	0.59 UJ	0.68 UJ	0.59 UJ	0.57 UJ
Cadmium	5	0.74 U	0.7 U	0.7 U	0.6 U	0.9 U
Calcium	5000	684	685	680	263	678
Chromium	10	7.8	9.8	9.8	5.3 J	12.8
Cobalt	50	3.0	4.8	3.6	3.0	5.7
Copper	25	3.8 U	5.4 U	99.3	4.0 U	8.7
Iron	100	11100	10600	10400	7190	9970
Lead	3	5.8	5.6 J	11.8 J	2.6 J	11.5 J
Magnesium	5000	932	1270	1100	773	1990
Manganese	15	128	108	96.4	135	109
Mercury	0.2	0.12 U	0.1 U	0.28	0.1 U	0.1 U
Nickel	40	4.6	6.6	5.4	3.9	9.8
Potassium	5000	535	766	847	653	944
Selenium	5	0.25 U	0.26 UJ	0.24 UJ	0.20 UJ	0.54 U
Silver	10	0.74 U	0.7 U	1.6	0.6 U	0.87
Sodium	5000	50.6 U	50.0 U	57.6 U	32.0 U	66.6 U

SURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-09	SS-10	SS-11	SS-12	SS-13
SITE LOCATION:	BULKY WASTE	BULKY WASTE	SEWAGE SLUDGE	SEWAGE SLUDGE	SOLID WASTE
SAMPLE DEPTH (FT):	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5	0.0-0.5
M&E SAMPLE ID:	SS-09-0.0-0.5-NX-S-247-2	SS-10-0.0-0.5-NX-S-248-2	SS-11-0.0-0.5-NX-S-249-2	SS-12-0.0-0.5-NX-S-250-2	SS-13-0.0-0.5-NX-S-338-2
DATE SAMPLED:	09/27/91	09/26/91	09/26/91	09/26/91	09/26/91

REMARKS:

Thallium	10	0.25 U	0.2 U	0.2 U	0.25 J	0.3 U
Vanadium	50	13.2	15.0	12.0	6.9 U	22.9
Zinc	20	36.9	22.7	56.5	19.9	38.3

SOIL QUALITY PARAMETERS

CYANIDE CRDL (mg/kg)

Cyanide	20	3.1 U	2.8 U	2.9 U	2.5 U	3.6 U
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TOTAL COMBUSTIBLE ORGANICS

Moisture Content	(%)	5.8	15.4	15.7	8.8	36.1
Organic Content	(%)	0.5	2.9	2.8	0.9	9.4
Solids Content	(%)	94.2	84.6	84.2	91.2	63.8

SURFACE SOIL - APRIL 1992

SURFACE SOILS - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	SS-14	SS-15	SS-16	SS-17	SS-18
SITE LOCATION:	BACKGROUND	SEWAGE SLUDGE	SOLID WASTE	SOLID WASTE	NON-DISPOSAL
SAMPLE DEPTH (FT):	0.0-1.0	0.0-1.0	0.0-0.5	0.0-1.0	0.0-1.0
M&E SAMPLE ID:	SS-14-0.0-1.0-NX-S-623-4	SS-15-0.0-1.0-NX-S-624-4	SS-16-0.0-0.5-NX-S-625-4	SS-17-0.0-1.0-NX-S-626-4	SS-18-0.0-1.0-NX-S-627-4
DATE SAMPLED:	04/14/92	04/15/92	04/14/92	04/14/92	04/15/92

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/kg)	SS-14	SS-15	SS-16	SS-17	SS-18
1,1,1-Trichloroethane	10	14 U	11 U	11 U	11 U	15 U
1,1,2,2-Tetrachloroethane	10	14 UJ	11 U	11 U	11 U	15 UJ
1,1,2-Trichloroethane	10	14 U	11 U	11 U	11 U	15 U
1,1-Dichloroethane	10	14 U	11 U	11 U	11 U	15 U
1,1-Dichloroethane	10	14 U	11 U	11 U	11 U	15 U
1,2-Dichloroethane	10	14 U	11 U	11 U	11 U	15 U
1,2-Dichloroethane(total)	10	14 U	11 U	11 U	11 U	15 U
1,2-Dichloropropane	10	14 U	11 U	11 U	11 U	15 U
2-Butanone	10	14 U	11 U	11 U	11 U	15 U
2-Hexanone	10	14 UJ	11 U	11 U	11 U	15 UJ
4-Methyl-2-pentanone	10	14 UJ	11 U	11 U	11 U	15 UJ
Acetone	10	480	11 U	4000	47 U	15 U
Benzene	10	14 U	11 U	11 U	11 U	15 U
Bromodichloromethane	10	14 U	11 U	11 U	11 U	15 U
Bromoform	10	14 U	11 U	11 U	11 U	15 U
Bromomethane	10	14 U	11 U	11 U	11 U	15 U
Carbon Disulfide	10	14 U	11 U	11 U	11 U	15 U
Carbon Tetrachloride	10	14 U	11 U	11 U	11 U	15 U
Chlorobenzene	10	14 UJ	11 U	11 U	11 U	15 UJ
Chloroethane	10	14 U	11 U	11 U	11 U	15 U
Chloroform	10	14 U	11 U	11 U	11 U	15 U
Chloromethane	10	14 U	11 U	11 U	11 U	15 U
Dibromochloromethane	10	14 U	11 U	11 U	11 U	15 U
Ethylbenzene	10	14 UJ	11 U	11 U	11 U	15 UJ
Methylene Chloride	10	56 U	11 U	27 U	33 U	15 U
Styrene	10	14 UJ	11 U	11 U	11 U	15 UJ
Tetrachloroethane	10	14 UJ	11 U	11 U	11 U	15 UJ
Toluene	10	14 UJ	11 U	11 U	11 U	15 UJ
Total Xylenes	10	14 UJ	11 U	11 U	11 U	15 UJ
Trichloroethane	10	14 U	11 U	11 U	11 U	15 U
Vinyl Chloride	10	14 U	11 U	11 U	11 U	15 U
cis-1,3-Dichloropropene	10	14 U	11 U	11 U	11 U	15 U
trans-1,3-Dichloropropene	10	14 U	11 U	11 U	11 U	15 U
SEMI-VOLATILE ORGANICS	CRQL (ug/kg)					
1,2,4-Trichlorobenzene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ

SURFACE SOILS - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	SS-14 BACKGROUND 0.0-1.0 04/14/92	SS-15 SEWAGE SLUDGE 0.0-1.0 04/15/92	SS-16 SOLID WASTE 0.0-0.5 04/14/92	SS-17 SOLID WASTE 0.0-1.0 04/14/92	SS-18 NON-DISPOSAL 0.0-1.0 04/15/92
REMARKS:					
1,2-Dichlorobenzene	330	440 UJ	370 UJ	370 UJ	480 UJ
1,3-Dichlorobenzene	330	440 UJ	370 UJ	370 UJ	480 UJ
1,4-Dichlorobenzene	330	440 UJ	370 UJ	370 UJ	480 UJ
2,2'-oxybis(1-Chloropropane)	330	440 UJ	370 UJ	370 UJ	480 UJ
2,4,5-Trichlorophenol	800	440 UJ	900 UJ	900 UJ	1200 UJ
2,4,6-Trichlorophenol	330	440 UJ	370 UJ	370 UJ	480 UJ
2,4-Dichlorophenol	330	440 UJ	370 UJ	370 UJ	480 UJ
2,4-Dimethylphenol	330	440 UJ	370 UJ	370 UJ	480 UJ
2,4-Dinitrophenol	800	1100 UJ	900 UJ	900 UJ	1200 UJ
2,4-Dinitrotoluene	330	440 UJ	370 UJ	370 UJ	480 UJ
2,6-Dinitrotoluene	330	440 UJ	370 UJ	370 UJ	480 UJ
2-Chloronaphthalene	330	440 UJ	370 UJ	370 UJ	480 UJ
2-Chlorophenol	330	440 UJ	370 UJ	370 UJ	480 UJ
2-Methylnaphthalene	330	440 UJ	370 UJ	370 UJ	480 UJ
2-Methylphenol	330	440 UJ	370 UJ	370 UJ	480 UJ
2-Nitroaniline	800	1100 UJ	900 UJ	900 UJ	1200 UJ
2-Nitrophenol	330	440 UJ	370 UJ	370 UJ	480 UJ
3,3'-Dichlorobenzidine	330	440 UJ	370 UJ	370 UJ	480 UJ
3-Nitroaniline	800	1100 UJ	900 UJ	900 UJ	1200 UJ
4,6-Dinitro-2-methylphenol	800	1100 UJ	900 UJ	900 UJ	1200 UJ
4-Bromophenyl-phenylether	330	440 UJ	370 UJ	370 UJ	480 UJ
4-Chloro-3-methylphenol	330	440 UJ	370 UJ	370 UJ	480 UJ
4-Chloroaniline	330	440 UJ	370 UJ	370 UJ	480 UJ
4-Chlorophenyl-phenylether	330	440 UJ	370 UJ	370 UJ	480 UJ
4-Methylphenol	330	440 UJ	370 UJ	370 UJ	480 UJ
4-Nitroaniline	800	1100 UJ	900 UJ	900 UJ	1200 UJ
4-Nitrophenol	800	1100 UJ	900 UJ	900 UJ	1200 UJ
Acenaphthene	330	440 UJ	370 UJ	370 UJ	480 UJ
Acenaphthylene	330	440 UJ	370 UJ	370 UJ	480 UJ
Anthracene	330	440 UJ	370 UJ	370 UJ	480 UJ
Benzo(a)anthracene	330	440 UJ	370 UJ	22 J	480 UJ
Benzo(a)pyrene	330	440 UJ	370 UJ	23 J	480 UJ
Benzo(b)fluoranthene	330	440 UJ	370 UJ	26 J	480 UJ
Benzo(g,h,i)perylene	330	440 UJ	370 UJ	19 J	480 UJ
Benzo(k)fluoranthene	330	440 UJ	370 UJ	24 J	480 UJ
Butylbenzylphthalate	330	440 UJ	370 UJ	370 UJ	480 UJ
Carbazole	330	440 UJ	370 UJ	370 UJ	480 UJ
Chrysene	330	440 UJ	370 UJ	21 J	480 UJ
Di-n-butylphthalate	330	440 UJ	370 U	370 UJ	480 UJ

LOCATION NAME:		SS-14	SS-15	SS-16	SS-17	SS-18
SITE LOCATION:		BACKGROUND	SEWAGE SLUDGE	SOLID WASTE	SOLID WASTE	NON-DISPOSAL
SAMPLE DEPTH (FT):		0.0-1.0	0.0-1.0	0.0-0.5	0.0-1.0	0.0-1.0
M&E SAMPLE ID:		SS-14-0.0-1.0-NX-S-623-4	SS-15-0.0-1.0-NX-S-624-4	SS-16-0.0-0.5-NX-S-625-4	SS-17-0.0-1.0-NX-S-626-4	SS-18-0.0-1.0-NX-S-627-4
DATE SAMPLED:		04/16/92	04/15/92	04/14/92	04/14/92	04/15/92
REMARKS:						
Di-n-octylphthalate	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Dibenz(a,h)anthracene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Dibenzofuran	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Diethylphthalate	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Dimethylphthalate	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Fluoranthene	330	440 UJ	370 UJ	370 UJ	60 J	480 UJ
Fluorene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Hexachlorobenzene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Hexachlorobutadiene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Hexachlorocyclopentadiene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Hexachloroethane	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Indeno(1,2,3-cd)pyrene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Isophorone	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
N-Nitroso-di-n-propylamine	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
N-Nitrosodiphenylamine	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Naphthalene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Nitrobenzene	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Pentachlorophenol	800	1100 UJ	900 UJ	900 UJ	900 UJ	1200 UJ
Phenanthrene	330	440 UJ	370 UJ	370 UJ	31 J	480 UJ
Phenol	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
Pyrene	330	440 UJ	370 UJ	370 UJ	40 J	480 UJ
bis(2-Chloroethoxy)methane	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
bis(2-Chloroethyl) ether	330	440 UJ	370 UJ	370 UJ	370 UJ	480 UJ
bis(2-Ethylhexyl)phthalate	330	440 UJ	1800 U	1600 U	2100 U	480 U
PESTICIDES/PCBs		CRQL (ug/kg)				
4,4'-DDD	3.3	4.5 UJ	3.7 UJ	0.24 J	3.7 UJ	4.8 UJ
4,4'-DDE	3.3	0.99 J	3.7 UJ	3.7 UJ	0.33 J	0.38 J
4,4'-DDT	3.3	1.0 J	3.7 UJ	3.7 UJ	0.90 J	0.38 J
Aldrin	1.7	2.3 UJ	1.9 UJ	1.9 UJ	1.9 UJ	2.5 UJ
Aroclor-1016	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Aroclor-1221	67.0	91 UJ	76 UJ	75 UJ	75 UJ	98 UJ
Aroclor-1232	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Aroclor-1242	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Aroclor-1248	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Aroclor-1254	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Aroclor-1260	33.0	45 UJ	37 UJ	37 UJ	37 UJ	48 UJ
Dieldrin	3.3	4.5 U	3.7 U	3.7 U	3.7 U	4.8 UJ

LOCATION NAME:	SS-14	SS-15	SS-16	SS-17	SS-18
SITE LOCATION:	BACKGROUND	SEWAGE SLUDGE	SOLID WASTE	SOLID WASTE	NON-DISPOSAL
SAMPLE DEPTH (FT):	0.0-1.0	0.0-1.0	0.0-0.5	0.0-1.0	0.0-1.0
M&E SAMPLE ID:	SS-14-0.0-1.0-NX-S-623-4	SS-15-0.0-1.0-NX-S-624-4	SS-16-0.0-0.5-NX-S-625-4	SS-17-0.0-1.0-NX-S-626-4	SS-18-0.0-1.0-NX-S-627-4
DATE SAMPLED:	04/14/92	04/15/92	04/14/92	04/14/92	04/15/92

REMARKS:

Endosulfan I	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
Endosulfan II	3.3	4.5 UJ	3.7 UJ	3.7 UJ	4.8 UJ
Endosulfan Sulfate	3.3	4.5 UJ	3.7 UJ	3.7 UJ	4.8 UJ
Endrin	3.3	4.5 UJ	3.7 UJ	3.7 UJ	4.8 UJ
Endrin Aldehyde	3.3	4.5 UJ	3.7 UJ	3.7 UJ	4.8 UJ
Endrin Ketone	3.3	0.46 J	3.7 UJ	3.7 UJ	2.3 J
Heptachlor	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
Heptachlor Epoxide	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
Methoxychlor	17.0	23 UJ	19 UJ	19 U	25 UJ
Toxaphene	170.0	230 UJ	190 UJ	190 UJ	250 UJ
alpha-BHC	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
alpha-Chlordane	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
beta-BHC	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
delta-BHC	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
gamma-BHC(Lindane)	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ
gamma-Chlordane	1.7	2.3 UJ	1.9 UJ	1.9 UJ	2.5 UJ

METALS CRDL(mg/kg)

Aluminum	200	10700	6740	5650	4590	14400
Antimony	60	4 UJ	3.5 UJ	3.6 UJ	3.6 UJ	4.7 UJ
Arsenic	10	0.93 U	2 U	1.1 U	0.76 U	3.5
Barium	200	11	15.8	16.9	15.5	14.2
Beryllium	5	0.39	0.4	1.1	0.46	0.5
Cadmium	5	0.6 U	0.44 U	0.52 U	0.45 U	0.68 U
Calcium	5000	213	470	309	476	153
Chromium	10	9.8 UJ	8.1 UJ	6 UJ	5.2 UJ	12.1 J
Cobalt	50	4.8 U	4.4 U	4.2 U	3.1 U	3.6 U
Copper	25	4.3	9.9	7.6	5.5	2.7 U
Iron	100	12700	9240	12000	6840	15100
Lead	3	11.1	4.4	4.1	3.9	31.1
Magnesium	5000	1360	1300	1060	1030	732
Manganese	15	82	97.3	138	114	60.8
Mercury	0.2	0.17	0.1 U	0.11 U	0.1 U	0.15 U
Nickel	40	6.9 U	5.7 U	5.1 U	4.4 U	4.7 U
Potassium	5000	443	518	630	766	179
Selenium	5	1 UJ	0.83 UJ	0.9 U	0.86 UJ	5.9 J
Silver	10	0.5 U	0.44 U	0.45 U	0.45 U	0.59 U
Sodium	5000	41.5 U	53.1 U	40.1 U	42.2 U	54 U

LOCATION NAME: SS-14 SS-15 SS-16 SS-17 SS-18
 SITE LOCATION: BACKGROUND SEWAGE SLUDGE SOLID WASTE SOLID WASTE NON-DISPOSAL
 SAMPLE DEPTH (FT): 0.0-1.0 0.0-1.0 0.0-0.5 0.0-1.0 0.0-1.0
 M&E SAMPLE ID: SS-14-0.0-1.0-NX-S-623-4 SS-15-0.0-1.0-NX-S-624-4 SS-16-0.0-0.5-NX-S-625-4 SS-17-0.0-1.0-NX-S-626-4 SS-18-0.0-1.0-NX-S-627-4
 DATE SAMPLED: 04/14/92 04/15/92 04/14/92 04/14/92 04/15/92

REMARKS:

Thallium
Vanadium
Zinc

10 0.28 J 0.21 U 0.22 UJ 0.22 U 0.3 U
 50 16.5 12.1 10.2 6.9 21.3
 20 21 J 22.1 J 25.7 J 19.8 J 16.3 J

SOIL QUALITY PARAMETERS

CYANIDE CRDL(mg/kg)

Cyanide 20 0.66 U 0.57 U 0.53 U 0.54 U 0.75 U

LOCATION NAME: SS-19 SS-20 SS-21 SS-22 SS-22
SITE LOCATION: NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL
SAMPLE DEPTH (FT): 0.0-1.0 0.0-1.0 0.0-1.0 0.0-1.0 0.0-1.0
M&E SAMPLE ID: SS-19-0.0-1.0-WX-S-628-4 SS-20-0.0-1.0-WX-S-629-4 SS-21-0.0-1.0-WX-S-630-4 SS-22-0.0-1.0-WX-S-631-4
DATE SAMPLED: 04/14/92 04/14/92 04/14/92 04/15/92 04/15/92

REMARKS:

Field Duplicate

VOLATILE ORGANICS-CLP CRQL(ug/kg)

1,1,1-Trichloroethane	10	15 UJ	16 U	11 U	14 U	15 U
1,1,2,2-Tetrachloroethane	10	15 UJ	16 UJ	11 U	14 U	15 UJ
1,1,2-Trichloroethane	10	15 UJ	16 U	11 U	14 U	15 U
1,1-Dichloroethane	10	15 U	16 U	11 U	14 U	15 U
1,1-Dichloroethane	10	15 U	16 U	11 U	14 U	15 U
1,2-Dichloroethane	10	15 U	16 U	11 U	14 U	15 U
1,2-Dichloroethane(total)	10	15 U	16 U	11 U	14 U	15 U
1,2-Dichloropropane	10	15 UJ	16 U	11 U	14 U	15 U
2-Butanone	10	15 U	16 U	11 U	14 U	15 U
2-Hexanone	10	15 U	16 U	11 U	14 UJ	32 J
4-Methyl-2-pentanone	10	15 UJ	16 UJ	11 U	14 U	15 UJ
Acetone	10	15 UJ	16 UJ	11 U	14 U	15 UJ
Benzene	10	15 U	77 U	66 U	14 UJ	190 J
Bromodichloromethane	10	15 UJ	16 U	11 U	14 U	15 U
Bromoform	10	15 UJ	16 U	11 U	14 U	15 U
Bromomethane	10	15 U	16 U	11 U	14 U	15 U
Carbon Disulfide	10	15 U	16 U	11 U	14 U	15 U
Carbon Tetrachloride	10	15 UJ	16 U	11 U	14 U	15 U
Chlorobenzene	10	15 UJ	16 UJ	11 U	14 U	15 UJ
Chloroethane	10	15 U	16 U	11 U	14 U	15 U
Chloroform	10	15 U	16 U	11 U	14 U	15 U
Chloromethane	10	15 U	16 U	11 U	14 U	15 U
Dibromochloromethane	10	15 UJ	16 U	11 U	14 U	15 U
Ethylbenzene	10	15 UJ	16 UJ	11 U	14 U	15 U
Methylene Chloride	10	31 U	45 U	46 U	14 U	9 J
Styrene	10	15 UJ	16 UJ	11 U	14 U	20 U
Tetrachloroethane	10	15 UJ	16 UJ	11 U	14 U	15 UJ
Toluene	10	15 UJ	16 UJ	11 U	14 U	15 UJ
Total Xylenes	10	15 UJ	16 UJ	11 U	14 UJ	2 J
Trichloroethane	10	15 UJ	16 U	11 U	14 U	16 J
Vinyl Chloride	10	15 U	16 U	11 U	14 U	15 U
cis-1,3-Dichloropropene	10	15 UJ	16 U	11 U	14 U	15 U
trans-1,3-Dichloropropene	10	15 UJ	16 U	11 U	14 U	15 U

SEMIVOLATILE ORGANICS CRQL(ug/kg)

1,2,4-Trichlorobenzene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
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SURFACE SOILS - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:		SS-19	SS-20	SS-21	SS-22	SS-22
SITE LOCATION:		NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL
SAMPLE DEPTH (FT):		0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
NME SAMPLE ID:		SS-19-0.0-1.0-NX-S-628-4	SS-20-0.0-1.0-NX-S-629-4	SS-21-0.0-1.0-NX-S-630-4	SS-22-0.0-1.0-FD-S-673-4	SS-22-0.0-1.0-NX-S-631-4
DATE SAMPLED:		04/14/92	04/14/92	04/14/92	04/15/92	04/15/92
REMARKS:		Field Duplicate				
1,2-Dichlorobenzene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
1,3-Dichlorobenzene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
1,4-Dichlorobenzene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,2'-oxybis(1-Chloropropane)	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,4,5-Trichlorophenol	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
2,4,6-Trichlorophenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,4-Dichlorophenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,4-Dimethylphenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,4-Dinitrophenol	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
2,4-Dinitrotoluene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2,6-Dinitrotoluene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2-Chloronaphthalene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2-Chlorophenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2-Methylnaphthalene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2-Methylphenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
2-Nitroaniline	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
2-Nitrophenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
3,3'-Dichlorobenzidine	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
3-Nitroaniline	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
4,6-Dinitro-2-methylphenol	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
4-Bromophenyl-phenylether	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
4-Chloro-3-methylphenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
4-Chloroaniline	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
4-Chlorophenyl-phenylether	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
4-Methylphenol	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
4-Nitroaniline	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
4-Nitrophenol	800	1200 UJ	1300 UJ	850 UJ	1100 UJ	1200 UJ
Acenaphthene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Acenaphthylene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Anthracene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Benzo(a)anthracene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Benzo(a)pyrene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Benzo(b)fluoranthene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Benzo(g,h,i)perylene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Benzo(k)fluoranthene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Butylbenzylphthalate	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Carbazole	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Chrysene	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ
Di-n-butylphthalate	330	510 UJ	520 UJ	350 UJ	450 UJ	480 UJ

LOCATION NAME:	SS-19	SS-20	SS-21	SS-22	SS-22
SITE LOCATION:	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL
SAMPLE DEPTH (FT):	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
M&E SAMPLE ID:	SS-19-0.0-1.0-NX-S-628-4	SS-20-0.0-1.0-NX-S-629-4	SS-21-0.0-1.0-NX-S-630-4	SS-22-0.0-1.0-FD-S-673-4	SS-22-0.0-1.0-NX-S-631-4
DATE SAMPLED:	04/14/92	04/14/92	04/14/92	04/15/92	04/15/92
REMARKS:					
Field Duplicate					
Di-n-octylphthalate	330	510 UJ	520 UJ	350 UJ	450 UJ
Dibenz(a,h)anthracene	330	510 UJ	520 UJ	350 UJ	450 UJ
Dibenzofuran	330	510 UJ	520 UJ	350 UJ	450 UJ
Diethylphthalate	330	510 UJ	27 J	350 UJ	42 J
Dimethylphthalate	330	510 UJ	520 UJ	350 UJ	450 UJ
Fluoranthene	330	510 UJ	520 UJ	350 UJ	450 UJ
Fluorene	330	510 UJ	520 UJ	350 UJ	450 UJ
Hexachlorobenzene	330	510 UJ	520 UJ	350 UJ	450 UJ
Hexachlorobutadiene	330	510 UJ	520 UJ	350 UJ	450 UJ
Hexachlorocyclopentadiene	330	510 UJ	520 UJ	350 UJ	450 UJ
Hexachloroethane	330	510 UJ	520 UJ	350 UJ	450 UJ
Indeno(1,2,3-cd)pyrene	330	510 UJ	520 UJ	350 UJ	450 UJ
Isophorone	330	510 UJ	520 UJ	350 UJ	450 UJ
N-Nitroso-di-n-propylamine	330	510 UJ	520 UJ	350 UJ	450 UJ
N-Nitrosodiphenylamine	330	510 UJ	520 UJ	350 UJ	450 UJ
Naphthalene	330	510 UJ	520 UJ	350 UJ	33 J
Nitrobenzene	330	510 UJ	520 UJ	350 UJ	36 J
Pentachlorophenol	800	1200 UJ	520 UJ	350 UJ	450 UJ
Phenanthrene	330	510 UJ	520 UJ	350 UJ	1100 UJ
Phenol	330	510 UJ	520 UJ	350 UJ	450 UJ
Pyrene	330	510 UJ	520 UJ	350 UJ	450 UJ
bis(2-Chloroethoxy)methane	330	510 UJ	520 UJ	350 UJ	450 UJ
bis(2-Chloroethyl) ether	330	510 UJ	520 UJ	350 UJ	450 UJ
bis(2-Ethylhexyl)phthalate	330	510 UJ	520 UJ	350 UJ	450 UJ
PESTICIDES/PCBs	CRQL (ug/kg)				
4,4'-DDD	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ
4,4'-DDE	3.3	1.8 J	5.2 UJ	3.5 UJ	4.5 UJ
4,4'-DDT	3.3	2.0 J	5.2 UJ	3.5 UJ	4.5 UJ
Aldrin	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ
Aroclor-1016	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Aroclor-1221	67.0	100 UJ	110 UJ	71 UJ	92 UJ
Aroclor-1232	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Aroclor-1242	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Aroclor-1248	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Aroclor-1254	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Aroclor-1260	33.0	51 UJ	52 UJ	35 UJ	45 UJ
Dieldrin	3.3	5.1 U	5.2 U	3.5 U	4.5 UJ

LOCATION NAME:	SS-19	SS-20	SS-21	SS-22	SS-22
SITE LOCATION:	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL	NON-DISPOSAL
SAMPLE DEPTH (FT):	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0	0.0-1.0
M&E SAMPLE ID:	SS-19-0.0-1.0-NX-S-628-4	SS-20-0.0-1.0-NX-S-629-4	SS-21-0.0-1.0-NX-S-630-4	SS-22-0.0-1.0-FD-S-673-4	SS-22-0.0-1.0-NX-S-631-4
DATE SAMPLED:	04/14/92	04/14/92	04/14/92	04/15/92	04/15/92

REMARKS:

Field Duplicate

Endosulfan I	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
Endosulfan II	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ	4.9 UJ
Endosulfan Sulfate	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ	4.9 UJ
Endrin	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ	4.9 UJ
Endrin Aldehyde	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ	4.9 UJ
Endrin Ketone	3.3	5.1 UJ	5.2 UJ	3.5 UJ	4.5 UJ	4.9 UJ
Heptachlor	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
Heptachlor Epoxide	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
Methoxychlor	17.0	26 UJ	27 UJ	18 UJ	23 UJ	25 UJ
Toxaphene	170.0	260 UJ	270 UJ	180 UJ	230 UJ	250 UJ
alpha-BHC	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
alpha-Chlordane	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
beta-BHC	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
delta-BHC	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
gamma-BHC(Lindane)	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ
gamma-Chlordane	1.7	2.6 UJ	2.7 UJ	1.8 UJ	2.3 UJ	2.5 UJ

METALS

	CRDL (mg/kg)					
Aluminum	200	6800	6790	2520	2920	3210
Antimony	60	4.8 UJ	5.1 UJ	3.3 UJ	4.9 UJ	5.3 UJ
Arsenic	10	2.9 U	2.4 U	0.42 U	1.3 U	1.4 U
Barium	200	17.1	9.2	20.5 J	41.2	33.4
Beryllium	5	0.43	0.42	0.37	0.88	0.88
Cadmium	5	0.59 U	0.82 U	1.1 U	0.98 U	0.66 U
Calcium	5000	146	151	348	1050	842
Chromium	10	4.1 UJ	5.4 UJ	2.8 UJ	8.9 UJ	8.8 UJ
Cobalt	50	1.9 U	2.2 U	3 U	7.7	6.5
Copper	25	5.4	3.1 U	0 R	3.9	3.4 U
Iron	100	6020	7030	40500	22400	17000
Lead	3	23.5	8.5	4.4	7.7	6.7
Magnesium	5000	185	238	639	649	627
Manganese	15	12.9	18.4	257	348	289
Mercury	0.2	2.7 U	0.14 U	0.09 U	0.13 U	0.16 U
Nickel	40	2.7 U	2.3 U	1.9 U	9	6.8 U
Potassium	5000	106	147	472	292	288
Selenium	5	1.9 UJ	1.3 UJ	0.85 UJ	1.2 U	1.3 U
Silver	10	0.59 U	0.64 U	0.41 U	0.61 U	0.66 U
Sodium	5000	45.8 U	54 U	42.7 U	66.2 U	67.5 U

LOCATION NAME: SS-19 SS-20 SS-21 SS-22 SS-22
 SITE LOCATION: NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL NON-DISPOSAL
 SAMPLE DEPTH (FT): 0.0-1.0 0.0-1.0 0.0-1.0 0.0-1.0 0.0-1.0
 M&E SAMPLE ID: SS-19-0.0-1.0-NX-S-628-4 SS-20-0.0-1.0-NX-S-630-4 SS-21-0.0-1.0-NX-S-629-4 SS-22-0.0-1.0-FD-S-673-4 SS-22-0.0-1.0-NX-S-631-4
 DATE SAMPLED: 04/14/92 04/14/92 04/14/92 04/15/92 04/15/92

REMARKS:

Field Duplicate

Thallium
Vanadium
Zinc

10 0.29 UJ 0.32 U 0.21 U 0.3 UJ
 50 8.8 8.1 5.8 J 5.8
 20 10.3 J 18.5 J 0 R 13.2 J

0.32 UJ
5.6
13.4 J

SOIL QUALITY PARAMETERS

CYANIDE CRDL (mg/kg)

Cyanide 20 0.77 U 0.76 U 0.49 U 0.72 U 0.81 U

LOCATION NAME: SS-23 SS-24
SITE LOCATION: NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-1.0
M&E SAMPLE ID: SS-23-0.0-0.5-NX-S-632-4 SS-24-0.0-1.0-NX-S-677-4
DATE SAMPLED: 04/14/92 04/15/92

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/kg)	
1,1,1-Trichloroethane	10	13 U
1,1,2-Tetrachloroethane	10	13 U
1,1,2-Trichloroethane	10	32 UJ
1,1-Dichloroethane	10	32 U
1,1-Dichloroethane	10	32 U
1,2-Dichloroethane	10	13 U
1,2-Dichloroethane	10	13 U
1,2-Dichloroethane(total)	10	13 U
1,2-Dichloropropane	10	13 U
2-Butanone	10	13 U
2-Hexanone	10	13 U
4-Methyl-2-pentanone	10	13 U
Acetone	10	13 U
Benzene	10	13 U
Bromodichloromethane	10	13 U
Bromoform	10	13 U
Bromomethane	10	13 U
Carbon Disulfide	10	13 U
Carbon Tetrachloride	10	13 U
Chlorobenzene	10	13 U
Chloroethane	10	13 U
Chloroform	10	13 U
Chloromethane	10	13 U
Dibromochloromethane	10	13 U
Ethylbenzene	10	13 U
Methylene Chloride	10	13 U
Styrene	10	13 U
Tetrachloroethene	10	13 U
Toluene	10	13 U
Total Xylenes	10	13 U
Trichloroethene	10	13 U
Vinyl Chloride	10	13 U
cis-1,3-Dichloropropene	10	13 U
trans-1,3-Dichloropropene	10	13 U
SEMI-VOLATILE ORGANICS	CRQL (ug/kg)	
1,2,4-Trichlorobenzene	330	1100 UJ
		420 UJ

LOCATION NAME: SS-23 SS-24
SITE LOCATION: NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-1.0
MEE SAMPLE ID: SS-23-0.0-0.5-NX-S-632-4 SS-24-0.0-1.0-NX-S-677-4
DATE SAMPLED: 04/14/92 04/15/92

REMARKS:

1,2-Dichlorobenzene	330	1100 UJ	420 UJ
1,3-Dichlorobenzene	330	1100 UJ	420 UJ
1,4-Dichlorobenzene	330	1100 UJ	420 UJ
2,2'-oxybis(1-Chloropropane)	330	1100 UJ	420 UJ
2,4,5-Trichlorophenol	800	2600 UJ	1000 UJ
2,4,6-Trichlorophenol	330	1100 UJ	420 UJ
2,4-Dichlorophenol	330	1100 UJ	420 UJ
2,4-Dimethylphenol	330	1100 UJ	420 UJ
2,4-Dinitrophenol	800	2600 UJ	1000 UJ
2,4-Dinitrotoluene	330	1100 UJ	420 UJ
2,6-Dinitrotoluene	330	1100 UJ	420 UJ
2-Chloronaphthalene	330	1100 UJ	420 UJ
2-Chlorophenol	330	1100 UJ	420 UJ
2-Methylnaphthalene	330	1100 UJ	420 UJ
2-Methylphenol	330	1100 UJ	420 UJ
2-Nitroaniline	800	2600 UJ	1000 UJ
2-Nitrophenol	330	1100 UJ	420 UJ
3,3'-Dichlorobenzidine	330	1100 UJ	420 UJ
3-Nitroaniline	800	2600 UJ	1000 UJ
4,6-Dinitro-2-methylphenol	800	2600 UJ	1000 UJ
4-Bromophenyl-phenylether	330	1100 UJ	420 UJ
4-Chloro-3-methylphenol	330	1100 UJ	420 UJ
4-Chloroaniline	330	1100 UJ	420 UJ
4-Chlorophenyl-phenylether	330	1100 UJ	420 UJ
4-Methylphenol	330	1100 UJ	420 UJ
4-Nitroaniline	800	2600 UJ	1000 UJ
4-Nitrophenol	800	2600 UJ	1000 UJ
Acenaphthene	330	1100 UJ	420 UJ
Acenaphthylene	330	1100 UJ	420 UJ
Anthracene	330	1100 UJ	420 UJ
Benzo(a)anthracene	330	1100 UJ	420 UJ
Benzo(a)pyrene	330	1100 UJ	420 UJ
Benzo(b)fluoranthene	330	57 J	420 UJ
Benzo(g,h,i)perylene	330	1100 UJ	420 UJ
Benzo(k)fluoranthene	330	1100 UJ	420 UJ
Butylbenzylphthalate	330	1100 UJ	420 UJ
Carbazole	330	1100 UJ	420 UJ
Chrysene	330	55 J	420 UJ
Di-n-butylphthalate	330	1100 UJ	420 U

LOCATION NAME: SS-23 SS-24
SITE LOCATION: NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-1.0
H&E SAMPLE ID: SS-23-0.0-0.5-NX-S-632-4 SS-24-0.0-1.0-NX-S-677-4
DATE SAMPLED: 04/14/92 04/15/92

REMARKS:

Di-n-octylphthalate	330	1100 UJ	420 UJ
Dibenz(a,h)anthracene	330	1100 UJ	420 UJ
Dibenzofuran	330	1100 UJ	420 UJ
Diethylphthalate	330	1100 UJ	420 UJ
Dimethylphthalate	330	1100 UJ	420 UJ
Fluoranthene	330	64 J	420 UJ
Fluorene	330	1100 UJ	420 UJ
Hexachlorobenzene	330	1100 UJ	420 UJ
Hexachlorobutadiene	330	1100 UJ	420 UJ
Hexachlorocyclopentadiene	330	1100 UJ	420 UJ
Hexachloroethane	330	1100 UJ	420 UJ
Indeno(1,2,3-cd)pyrene	330	1100 UJ	420 UJ
Isophorone	330	1100 UJ	420 UJ
N-Nitroso-di-n-propylamine	330	1100 UJ	420 UJ
N-Nitrosodiphenylamine	330	1100 UJ	420 UJ
Naphthalene	330	1100 UJ	420 UJ
Nitrobenzene	330	1100 UJ	420 UJ
Pentachlorophenol	800	2600 UJ	1000 UJ
Phenanthrene	330	59 J	420 UJ
Phenol	330	1100 UJ	420 UJ
Pyrene	330	120 J	420 UJ
bis(2-Chloroethoxy)methane	330	1100 UJ	420 UJ
bis(2-Chloroethyl) ether	330	1100 UJ	420 UJ
bis(2-Ethylhexyl)phthalate	330	1100 UJ	2500 U

PESTICIDES/PCBs

	CRQL(ug/kg)		
4,4'-DDD	3.3	11 UJ	4.2 UJ
4,4'-DDE	3.3	11 J	4.2 UJ
4,4'-DDT	3.3	3.4 J	4.2 UJ
Aldrin	1.7	5.5 UJ	2.2 UJ
Aroclor-1016	33.0	110 UJ	42 UJ
Aroclor-1221	67.0	220 UJ	86 UJ
Aroclor-1232	33.0	110 UJ	42 UJ
Aroclor-1242	33.0	110 UJ	42 UJ
Aroclor-1248	33.0	110 UJ	42 UJ
Aroclor-1254	33.0	110 UJ	42 UJ
Aroclor-1260	33.0	110 UJ	42 UJ
Dieldrin	3.3	11 U	4.2 UJ

LOCATION NAME: SS-23 SS-24
SITE LOCATION: NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-1.0
NME SAMPLE ID: SS-23-0.0-0.5-NX-S-632-4 SS-24-0.0-1.0-NX-S-677-4
DATE SAMPLED: 04/14/92 04/15/92

REMARKS:

Endosulfan I	1.7	5.5 UJ	2.2 UJ
Endosulfan II	3.3	11 UJ	4.2 UJ
Endosulfan Sulfate	3.3	11 UJ	4.2 UJ
Endrin	3.3	11 UJ	4.2 UJ
Endrin Aldehyde	3.3	11 UJ	4.2 UJ
Endrin Ketone	3.3	11 UJ	4.2 UJ
Heptachlor	1.7	5.5 UJ	2.2 UJ
Heptachlor Epoxide	1.7	5.5 UJ	2.2 UJ
Methoxychlor	17.0	55 UJ	22 UJ
Toxaphene	170.0	550 UJ	220 UJ
alpha-BHC	1.7	5.5 UJ	2.2 UJ
alpha-Chlordane	1.7	5.5 UJ	2.2 UJ
beta-BHC	1.7	5.5 UJ	2.2 UJ
delta-BHC	1.7	5.5 UJ	2.2 UJ
gamma-BHC(Lindane)	1.7	5.5 UJ	2.2 UJ
gamma-Chlordane	1.7	5.5 UJ	2.2 UJ

METALS CRDL(mg/kg)

Aluminum	200	4760	6500
Antimony	60	10.1 UJ	3.5 UJ
Arsenic	10	4.4 U	1.2 U
Barium	200	86.2 J	14.4
Beryllium	5	0.83	0.52
Cadmium	5	0 R	0.44 U
Calcium	5000	1870	442
Chromium	10	8.3 UJ	5.9 UJ
Cobalt	50	12.8	4.5 U
Copper	25	0 R	5.6
Iron	100	149000	9240
Lead	3	124	4.3
Magnesium	5000	493	1150
Manganese	15	6120	105
Mercury	0.2	0.41	0.11 U
Nickel	40	0 R	4.6 U
Potassium	5000	278	504
Selenium	5	2.6 U	0.9 U
Silver	10	1.3 U	0.44 U
Sodium	5000	112 U	41.9 U

LOCATION NAME: SS-23 SS-24
SITE LOCATION: NON-DISPOSAL BULKY WASTE
SAMPLE DEPTH (FT): 0.0-0.5 0.0-1.0
M&E SAMPLE ID: SS-23-0.0-0.5-NX-S-632-4 SS-24-0.0-1.0-NX-S-677-4
DATE SAMPLED: 04/14/92 04/15/92

REMARKS:

Thallium 10 0.64 UJ 0.22 U
Vanadium 50 18.1 J 10.2
Zinc 20 0 R 19.3 J

SOIL QUALITY PARAMETERS

CYANIDE CRDL (mg/kg)

Cyanide 20 1.6 U 0.53 U

D-7 COMPLETE ANALYTICAL DATA, SUBSURFACE SOILS

- SEPTEMBER/OCTOBER 1991

SUBSURFACE SOIL - SEPTEMBER/OCTOBER 1991

LOCATION NAME:	BH-01	BH-01	BH-01	BH-02	BH-02
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	2.0-8.0	4.0-6.0	8.0- 10	8.0- 10	16- 18
NRE SAMPLE ID:	BH-01-02-08-NX-8-125-2	BH-01-04-06-NX-B-125-2	BH-01-8-12-NX-B-126-2	BH-02-08-10-NX-B-127-2	BH-02-16-18-FD-B-154-2
DATE SAMPLED:	08/20/91	08/20/91	08/20/91	08/21/91	08/21/91
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP	CRQL (ug/kg)				
1,1,1-Trichloroethane	10	57 U	11 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	57 U	11 U	10 U	10 U
1,1,2-Trichloroethane	10	57 U	11 U	10 U	10 U
1,1-Dichloroethane	10	57 U	11 U	10 U	10 U
1,1-Dichloroethane	10	57 U	11 U	10 U	10 U
1,2-Dichloroethane	10	57 U	11 U	10 U	10 U
1,2-Dichloroethane (total)	10	57 U	11 U	10 U	10 U
1,2-Dichloropropane	10	57 U	11 U	10 U	10 U
2-Butanone	10	340 J	73 J	10 UJ	10 UJ
2-Hexanone	10	57 U	11 U	10 U	10 U
4-Methyl-2-pentanone	10	57 U	11 U	10 U	10 U
Acetone	10	740 J	84 J	10 U	10 U
Benzene	10	57 U	11 U	10 U	10 U
Bromodichloromethane	10	57 U	11 U	10 U	10 U
Bromoform	10	57 U	11 U	10 U	10 U
Bromomethane	10	57 U	11 U	10 U	10 U
Carbon Disulfide	10	57 U	11 U	10 U	10 U
Carbon Tetrachloride	10	57 U	11 U	10 U	10 U
Chlorobenzene	10	57 U	11 U	10 U	10 U
Chloroethane	10	57 U	11 U	10 U	10 U
Chloroform	10	57 U	11 U	10 U	10 U
Chloromethane	10	57 U	11 U	10 U	10 U
Dibromochloromethane	10	57 U	11 U	10 U	10 U
Ethylbenzene	10	57 U	11 U	10 U	10 U
Methylene Chloride	10	57 U	11 U	10 U	10 U
Styrene	10	57 U	11 U	10 U	10 U
Tetrachloroethene	10	57 U	11 U	10 U	10 U
Toluene	10	57 U	11 U	10 U	10 U
Total Xylenes	10	57 U	11 U	10 U	10 U
Trichloroethene	10	57 U	11 U	10 U	10 U
Vinyl Chloride	10	57 U	11 U	10 U	10 U
cis-1,3-Dichloropropene	10	57 U	11 U	10 U	10 U
trans-1,3-Dichloropropene	10	57 U	11 U	10 U	10 U
SEMI-VOLATILE ORGANICS	CRQL (ug/kg)				
1,2,4-Trichlorobenzene	330	770 U	350 U	340 U	340 U

LOCATION NAME:		BH-01		BH-01		BH-01		BH-02	
SITE LOCATION:		SEWAGE SLUDGE		SEWAGE SLUDGE		SEWAGE SLUDGE		SEWAGE SLUDGE	
SAMPLE DEPTH (FT):		2.0-8.0		4.0-6.0		8.0- 10		8.0- 10	
M&E SAMPLE ID:		BH-01-02-08-NX-B-125-2		BH-01-04-06-NX-B-125-2		BH-01-8-12-NX-B-126-2		BH-02-16-18-FD-B-154-2	
DATE SAMPLED:		08/20/91		08/20/91		08/20/91		08/21/91	
REMARKS:									
1,2-Dichlorobenzene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
1,3-Dichlorobenzene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
1,4-Dichlorobenzene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,2'-oxybis(1-Chloropropane)		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,4,5-Trichlorophenol		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
2,4,6-Trichlorophenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,4-Dichlorophenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,4-Dimethylphenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,4-Dinitrophenol		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
2,4-Dinitrotoluene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2,6-Dinitrotoluene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2-Chloronaphthalene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2-Chlorophenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2-Methylnaphthalene		330	140 J	NA	27 J	340 U	340 U	340 U	340 U
2-Methylphenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
2-Nitroaniline		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
2-Nitrophenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
3,3'-Dichlorobenzidine		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
3-Nitroaniline		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
4,6-Dinitro-2-methylphenol		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
4-Bromophenyl-phenylether		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
4-Chloro-3-methylphenol		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
4-Chloroaniline		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
4-Chlorophenyl-phenylether		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
4-Methylphenol		330	5600	NA	2200	340 U	340 U	340 U	340 U
4-Nitroaniline		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
4-Nitrophenol		800	1900 U	NA	850 U	830 U	820 U	820 U	820 U
Acenaphthene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Acenaphthylene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Anthracene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Benzo(a)anthracene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Benzo(a)pyrene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Benzo(b)fluoranthene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Benzo(g,h,i)perylene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Benzo(k)fluoranthene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Butylbenzylphthalate		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Carbazole		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Chrysene		330	770 U	NA	350 U	340 U	340 U	340 U	340 U
Di-n-butylphthalate		330	770 U	NA	350 U	96 J	340 U	340 U	340 U

PESTICIDES/PCBS
CRQL(ug/kg)

LOCATION NAME:	BH-01	BH-01	BH-01	BH-02	BH-02
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	2.0-8.0	4.0-6.0	8.0- 10	8.0- 10	16- 18
M&E SAMPLE ID:	BH-01-02-08-NX-B-125-2	BH-01-04-06-NX-B-125-2	BH-01-8-12-NX-B-126-2	BH-02-08-10-NX-B-127-2	BH-02-16-18-FD-B-154-2
DATE SAMPLED:	08/20/91	08/20/91	08/20/91	08/21/91	08/21/91

REMARKS:

Field Duplicate

Endosulfan I	1.7	2.0 U	NA	1.8 U	1.7 U
Endosulfan II	3.3	3.8 U	NA	3.5 U	3.4 U
Endosulfan Sulfate	3.3	3.8 U	NA	3.5 U	3.4 U
Endrin	3.3	3.8 U	NA	3.5 U	3.4 U
Endrin Aldehyde	3.3	3.8 U	NA	3.5 U	3.4 U
Endrin Ketone	3.3	3.8 U	NA	3.5 U	3.4 U
Heptachlor	1.7	2.0 U	NA	1.8 U	1.7 U
Heptachlor Epoxide	1.7	2.0 U	NA	1.8 U	1.7 U
Methoxychlor	17.0	20 U	NA	18 U	17 U
Toxaphene	170.0	200 U	NA	180.0 U	170 U
alpha-BHC	1.7	2.0 U	NA	1.8 U	1.7 U
alpha-Chlordane	1.7	6.2	NA	1.8 U	1.7 U
beta-BHC	1.7	2.0 U	NA	1.8 U	1.7 U
delta-BHC	1.7	2.0 U	NA	1.8 U	1.7 U
gamma-BHC(Lindane)	1.7	2.0 U	NA	1.8 U	1.7 U
gamma-Chlordane	1.7	7.5	NA	1.8 U	1.7 U

METALS

	CRDL (mg/kg)				
Aluminum	200	5360	NA	5490	3790
Antimony	60	16.8 J	NA	3.6 UJ	10.7 J
Arsenic	10	0.97 U	NA	0.83 U	0.77 U
Barium	200	54.3	NA	32.7	14.5
Beryllium	5	0.58	NA	0.61	0.76
Cadmium	5	0.66 U	NA	0.63 U	0.60 U
Calcium	5000	931 UJ	NA	585 UJ	306 UJ
Chromium	10	5.9	NA	8.9	4.4
Cobalt	50	3.0	NA	4.2	4.3
Copper	25	79.2	NA	15.6	6.9
Iron	100	7230	NA	8330	8790
Lead	3	8.8	NA	5.2	2.6
Magnesium	5000	1120	NA	1700	1210
Manganese	15	93.6 U	NA	166	226
Mercury	0.2	0.47 J	NA	0.15 J	0.09 U
Nickel	40	7.5 UJ	NA	7.4 UJ	4.9 UJ
Potassium	5000	686	NA	1450	915
Selenium	5	0.92 U	NA	0.83 UJ	0.77 U
Silver	10	0.88 U	NA	0.84 U	0.80 U
Sodium	5000	98.2 U	NA	85.1 U	50.5 U

LOCATION NAME:	BH-01	BH-01	BH-01	BH-02	BH-02
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	2.0-8.0	4.0-6.0	8.0- 10	8.0- 10	16- 18
WUE SAMPLE ID:	BH-01-02-08-NX-B-125-2	BH-01-04-06-NX-B-125-2	BH-01-8-12-NX-B-126-2	BH-02-08-10-NX-B-127-2	BH-02-16-18-FD-B-154-2
DATE SAMPLED:	08/20/91	08/20/91	08/20/91	08/21/91	08/21/91

REMARKS:	Field Duplicate				
Thallium	10	0.23 U	NA	0.21 U	0.19 U
Vanadium	50	7.9	NA	11.4	8.3
Zinc	20	188	NA	36.4	21.6

SOIL QUALITY PARAMETERS

CYANIDE	CRDL(mg/kg)	
Cyanide	20	0.27 U
		0.27 U
		0.24 U
		0.25 U

TOTAL COMBUSTIBLE ORGANICS

Moisture Content	(%)	24.3	NA	NA	NA
Organic Content	(%)	3.0	NA	NA	NA
Solids Content	(%)	75.8	NA	NA	NA

GRAIN SIZE

Clay	(%)	2.3	NA	NA	NA
Gravel	(%)	6.8	NA	NA	NA
Sand	(%)	61.4	NA	NA	NA
Silt	(%)	29.4	NA	NA	NA

ATTERBERG LIMITS

Liquid Limit	--	--	NA	NA	NA
Plastic Limit	--	NP	NA	NA	NA

LOCATION NAME:	BH-02	BH-03	BH-03	BH-03	BH-03
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	16- 18	2.0-4.0	16- 18	16- 20	18- 20
M&E SAMPLE ID:	BH-02-16-18-NX-B-128-2	BH-03-02-04-NX-B-129-2	BH-03-16-18-NX-B-130-2	BH-03-16-20-NX-B-130-2	BH-03-18-20-NX-B-130-2
DATE SAMPLED:	08/21/91	08/21/91	08/21/91	08/21/91	08/21/91

REMARKS:

VOLATILE ORGANICS-CLP	CRQL(ug/kg)				
1,1,1-Trichloroethane	10	10 U	11 U	NA	58 U
1,1,2,2-Tetrachloroethane	10	10 U	11 U	NA	58 U
1,1,2-Trichloroethane	10	10 U	11 U	NA	58 U
1,1-Dichloroethane	10	10 U	11 U	NA	58 U
1,1-Dichloroethene	10	10 U	11 U	NA	58 U
1,2-Dichloroethane	10	10 U	11 U	NA	58 U
1,2-Dichloroethene(total)	10	10 U	11 U	NA	58 U
1,2-Dichloropropane	10	10 U	11 U	NA	58 U
2-Butanone	10	10 UJ	11 UJ	NA	240 J
2-Hexanone	10	10 U	11 U	NA	58 U
4-Methyl-2-pentanone	10	10 U	11 U	NA	58 U
Acetone	10	10 U	11 U	NA	540 J
Benzene	10	10 U	11 U	NA	58 U
Bromodichloromethane	10	10 U	11 U	NA	58 U
Bromoform	10	10 U	11 U	NA	58 U
Bromomethane	10	10 U	11 U	NA	58 U
Carbon Disulfide	10	10 U	11 U	NA	58 U
Carbon Tetrachloride	10	10 U	11 U	NA	58 U
Chlorobenzene	10	10 U	11 U	NA	58 U
Chloroethane	10	10 U	11 U	NA	58 U
Chloroform	10	10 U	11 U	NA	58 U
Chloromethane	10	10 U	11 U	NA	58 U
Dibromochloromethane	10	10 U	11 U	NA	58 U
Ethylbenzene	10	10 U	11 U	NA	58 U
Methylene Chloride	10	10 U	11 U	NA	58 U
Styrene	10	10 U	11 U	NA	58 U
Tetrachloroethene	10	10 U	11 U	NA	320
Toluene	10	10 U	11 U	NA	58 U
Total Xylenes	10	10 U	11 U	NA	58 U
Trichloroethene	10	10 U	11 U	NA	58 U
Vinyl Chloride	10	10 U	11 U	NA	58 U
cis-1,3-dichloropropene	10	10 U	11 U	NA	58 U
trans-1,3-Dichloropropene	10	10 U	11 U	NA	58 U
SEMIVOLATILE ORGANICS	CRQL(ug/kg)				
1,2,4-Trichlorobenzene	330	340 U	370 U	NA	340 U
					NA

SUBSURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	BH-02 SEWAGE SLUDGE 16- 18 BH-02-16-18-NX-B-128-2 08/21/91	BH-03 SEWAGE SLUDGE 2.0-4.0 BH-03-02-04-NX-B-129-2 08/21/91	BH-03 SEWAGE SLUDGE 16- 18 BH-03-16-18-NX-B-130-2 08/21/91	BH-03 SEWAGE SLUDGE 16- 20 BH-03-16-20-NX-B-130-2 08/21/91	BH-03 SEWAGE SLUDGE 18- 20 BH-03-18-20-NX-B-130-2 08/21/91
REMARKS:					
1,2-Dichlorobenzene	330	340 U	370 U	NA	340 U
1,3-Dichlorobenzene	330	340 U	370 U	NA	NA
1,4-Dichlorobenzene	330	340 U	370 U	NA	NA
2,2'-oxybis(1-Chloropropane)	330	340 U	370 U	NA	NA
2,4,5-Trichlorophenol	800	820 U	900 U	NA	820 U
2,4,6-Trichlorophenol	330	340 U	370 U	NA	340 U
2,4-Dichlorophenol	330	340 U	370 U	NA	340 U
2,4-Dimethylphenol	330	340 U	370 U	NA	340 U
2,4-Dinitrophenol	800	820 U	900 U	NA	820 U
2,4-Dinitrotoluene	330	340 U	370 U	NA	340 U
2,6-Dinitrotoluene	330	340 U	370 U	NA	340 U
2-Chloronaphthalene	330	340 U	370 U	NA	340 U
2-Chlorophenol	330	340 U	370 U	NA	340 U
2-Methylnaphthalene	330	340 U	370 U	NA	340 U
2-Methylphenol	330	340 U	370 U	NA	340 U
2-Nitroaniline	800	820 U	900 U	NA	700
2-Nitrophenol	330	340 U	370 U	NA	820 U
3,3'-Dichlorobenzidine	330	340 U	370 U	NA	340 U
3-Nitroaniline	800	820 U	900 U	NA	820 U
4,6-Dinitro-2-methylphenol	800	820 U	900 U	NA	820 U
4-Bromophenyl-phenylether	330	340 U	370 U	NA	340 U
4-Chloro-3-methylphenol	330	340 U	370 U	NA	340 U
4-Chloroaniline	330	340 U	370 U	NA	340 U
4-Chlorophenyl-phenylether	330	340 U	370 U	NA	340 U
4-Methylphenol	330	340 U	370 U	NA	340 U
4-Nitroaniline	800	820 U	900 U	NA	820 U
4-Nitrophenol	800	820 U	900 U	NA	820 U
Acenaphthene	330	340 U	370 U	NA	340 U
Acenaphthylene	330	340 U	370 U	NA	340 U
Anthracene	330	340 U	370 U	NA	340 U
Benzo(a)anthracene	330	340 U	370 U	NA	340 U
Benzo(a)pyrene	330	340 U	370 U	NA	340 U
Benzo(b)fluoranthene	330	340 U	370 U	NA	340 U
Benzo(g,h,i)perylene	330	340 U	370 U	NA	340 U
Benzo(k)fluoranthene	330	340 U	370 U	NA	340 U
Butylbenzylphthalate	330	340 U	370 U	NA	340 U
Carbazole	330	340 U	370 U	NA	340 U
Chrysene	330	340 U	370 U	NA	340 U
Di-n-butylphthalate	330	120 J	370 U	NA	40 J

LOCATION NAME:		BH-02	BH-03	BH-03	BH-03	BH-03	BH-03
SITE LOCATION:		SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):		16- 18	2.0-4.0	16- 18	16- 20	18- 20	
MILE SAMPLE ID:		BH-02-16-18-NX-B-128-2	BH-03-02-04-NX-B-129-2	BH-03-16-18-NX-B-130-2	BH-03-16-20-NX-B-130-2	BH-03-18-20-NX-B-130-2	
DATE SAMPLED:		08/21/91	08/21/91	08/21/91	08/21/91	08/21/91	
REMARKS:							
Di-n-octylphthalate	330	26 J	370 U	NA	86 J	NA	NA
Dibenz(a,h)anthracene	330	340 U	370 U	NA	340 U	NA	NA
Dibenzofuran	330	340 U	370 U	NA	340 U	NA	NA
Diethylphthalate	330	340 U	370 U	NA	340 U	NA	NA
Dimethylphthalate	330	340 U	370 U	NA	340 U	NA	NA
Fluoranthene	330	340 U	370 U	NA	340 U	NA	NA
Fluorene	330	340 U	370 U	NA	340 U	NA	NA
Hexachlorobenzene	330	340 U	370 U	NA	340 U	NA	NA
Hexachlorobutadiene	330	340 U	370 U	NA	340 U	NA	NA
Hexachlorocyclopentadiene	330	340 U	370 U	NA	340 U	NA	NA
Hexachloroethane	330	340 U	370 U	NA	340 U	NA	NA
Indeno(1,2,3-cd)pyrene	330	340 U	370 U	NA	340 U	NA	NA
Isophorone	330	340 U	370 U	NA	340 U	NA	NA
N-Nitroso-di-n-propylamine	330	340 U	370 U	NA	340 U	NA	NA
N-Nitrosodiphenylamine	330	340 U	370 U	NA	340 U	NA	NA
Naphthalene	330	340 U	370 U	NA	340 U	NA	NA
Nitrobenzene	330	340 U	370 U	NA	340 U	NA	NA
Pentachlorophenol	800	820 U	900 U	NA	820 U	NA	NA
Phenanthrene	330	340 U	370 U	NA	340 U	NA	NA
Phenol	330	340 U	370 U	NA	340 U	NA	NA
Pyrene	330	340 U	370 U	NA	340 U	NA	NA
bis(2-Chloroethoxy)methane	330	340 U	370 U	NA	340 U	NA	NA
bis(2-Chloroethyl) ether	330	340 U	370 U	NA	340 U	NA	NA
bis(2-Ethylhexyl)phthalate	330	340 U	370 U	NA	340 U	NA	NA
PESTICIDES/PCBs		CRQL (ug/kg)					
4,4'-DDD	3.3	3.4 U	3.7 U	NA	3.4 U	NA	NA
4,4'-DDE	3.3	3.4 U	3.7 U	NA	3.4 U	NA	NA
4,4'-DDT	3.3	3.4 U	3.7 U	NA	3.4 U	NA	NA
Aldrin	1.7	1.7 U	1.9 U	NA	1.7 U	NA	NA
Aroclor-1016	33.0	34 U	37 U	NA	34 U	NA	NA
Aroclor-1221	67.0	68 U	75 U	NA	69 U	NA	NA
Aroclor-1232	33.0	34 U	37 U	NA	34 U	NA	NA
Aroclor-1242	33.0	34 U	37 U	NA	34 U	NA	NA
Aroclor-1248	33.0	34 U	37 U	NA	34 U	NA	NA
Aroclor-1254	33.0	34 U	37 U	NA	34 U	NA	NA
Aroclor-1260	33.0	34 U	37 U	NA	34 U	NA	NA
Dieldrin	3.3	3.4 U	3.7 U	NA	3.4 U	NA	NA

LOCATION NAME:	BH-02	BH-03	BH-03	BH-03	BH-03
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	16- 18	2.0-4.0	16- 18	16- 20	18- 20
M&E SAMPLE ID:	BH-02-16-18-NX-B-128-2	BH-03-02-04-NX-B-129-2	BH-03-16-18-NX-B-130-2	BH-03-16-20-NX-B-130-2	BH-03-18-20-NX-B-130-2
DATE SAMPLED:	08/21/91	08/21/91	08/21/91	08/21/91	08/21/91

REMARKS:

Endosulfan I	1.7	1.7 U	1.9 U	NA	1.7 U	NA
Endosulfan II	3.3	3.4 U	3.7 U	NA	3.4 U	NA
Endosulfan Sulfate	3.3	3.4 U	3.7 U	NA	3.4 U	NA
Endrin	3.3	3.4 U	3.7 U	NA	3.4 U	NA
Endrin Aldehyde	3.3	3.4 U	3.7 U	NA	3.4 U	NA
Endrin Ketone	3.3	3.4 U	3.7 U	NA	3.4 U	NA
Heptachlor	1.7	1.7 U	1.9 U	NA	1.7 U	NA
Heptachlor Epoxide	1.7	1.7 U	1.9 U	NA	1.7 U	NA
Methoxychlor	17.0	17 U	19 U	NA	17 U	NA
Toxaphene	170.0	170 U	190 U	NA	170 U	NA
alpha-BHC	1.7	1.7 U	1.9 U	NA	1.7 U	NA
alpha-Chlordane	1.7	1.7 U	1.9 U	NA	1.7 U	NA
beta-BHC	1.7	1.7 U	1.9 U	NA	1.7 U	NA
delta-BHC	1.7	1.7 U	1.9 U	NA	1.7 U	NA
gamma-BHC(Lindane)	1.7	1.7 U	1.9 U	NA	1.7 U	NA
gamma-Chlordane	1.7	1.7 U	1.9 U	NA	1.7 U	NA

METALS CRDL (mg/kg)

Aluminum	200	3620	4910	1690 U	NA	NA
Antimony	60	5.9 J	3.7 UJ	5.4 J	NA	NA
Arsenic	10	0.95 U	0.85 U	0.83 U	NA	NA
Barium	200	11.4 U	12.3 U	5.8 U	NA	NA
Beryllium	5	0.54	0.38	0.35	NA	NA
Cadmium	5	0.61 U	0.66 U	0.60 U	NA	NA
Calcium	5000	197 UJ	345 UJ	139 UJ	NA	NA
Chromium	10	3.8	3.7	1.6	NA	NA
Cobalt	50	4.1	2.6	1.0	NA	NA
Copper	25	5.4	7.1	2.21 U	NA	NA
Iron	100	8480	5770	3400	NA	NA
Lead	3	4.0	4.1	1.9 U	NA	NA
Magnesium	5000	1280	810	419	NA	NA
Manganese	15	200	65.5 U	91.5 U	NA	NA
Mercury	0.2	0.09 U	0.13 J	0.09 U	NA	NA
Nickel	40	5.7 UJ	4.9 UJ	4.1 UJ	NA	NA
Potassium	5000	774	475	367	NA	NA
Selenium	5	0.78 U	0.83 UJ	0.83 UJ	NA	NA
Silver	10	0.82 U	0.88 U	0.80 U	NA	NA
Sodium	5000	43.6 U	45.2 U	62.0 U	NA	NA

LOCATION NAME:	BH-02	BH-03	BH-03	BH-03	BH-03	BH-03
SITE LOCATION:	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE	SEWAGE SLUDGE
SAMPLE DEPTH (FT):	16- 18	2.0-4.0	16- 18	16- 20	16- 20	18- 20
MAE SAMPLE ID:	BH-02-16-18-NX-B-128-2	BH-03-02-04-NX-B-129-2	BH-03-16-18-NX-B-130-2	BH-03-16-20-NX-B-130-2	BH-03-18-20-NX-B-130-2	BH-03-18-20-NX-B-130-2
DATE SAMPLED:	08/21/91	08/21/91	08/21/91	08/21/91	08/21/91	08/21/91

REMARKS:

Thallium	10	0.19 U	0.21 U	0.21 U	NA	NA
Vanadium	50	7.3	7.5	2.9 U	NA	NA
Zinc	20	20.0	16.5	2.8 UJ	NA	NA

SOIL QUALITY PARAMETERS

CYANIDE	CRDL (mg/kg)					
---------	--------------	--	--	--	--	--

Cyanide	20	0.25 U	0.26 U	0.26 U	NA	NA
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TOTAL COMBUSTIBLE ORGANICS

Moisture Content	(%)	NA	NA	NA	5.3	NA
Organic Content	(%)	NA	NA	NA	0.5	NA
Solids Content	(%)	NA	NA	NA	94.7	NA

GRAIN SIZE

Clay	(%)	NA	NA	NA	.4	NA
Gravel	(%)	NA	NA	NA	5.5	NA
Sand	(%)	NA	NA	NA	79.9	NA
Silt	(%)	NA	NA	NA	14.1	NA

ATTERBERG LIMITS

Liquid Limit	--	NA	NA	NA	--	NA
Plastic Limit	--	NA	NA	NA	NP	NA

LOCATION NAME: BH-04 SEWAGE SLUDGE BH-04 SEWAGE SLUDGE BH-05 BACKGROUND BH-05 BACKGROUND
SITE LOCATION: 4.0-6.0 8.0- 10 0.0-2.0 0.0-4.0
SAMPLE DEPTH (FT): BH-04-04-06-NX-B-131-2 BH-04-08-10-NX-B-132-2 BH-05-00-02-NX-B-133-2 BH-05-10-16-FD-B-153-2
M&E SAMPLE ID: 08/22/91 08/22/91 08/22/91 08/22/91
DATE SAMPLED: 08/22/91 08/22/91 08/22/91 08/22/91

REMARKS: Field Duplicate

VOLATILE ORGANICS-CLP CRQL (ug/kg)

1,1,1-Trichloroethane	10	11 U	11 U	12 U	NA	NA
1,1,2,2-Tetrachloroethane	10	11 U	11 U	12 U	NA	NA
1,1,2-Trichloroethane	10	11 U	11 U	12 U	NA	NA
1,1-Dichloroethane	10	11 U	11 U	12 U	NA	NA
1,1-Dichloroethane	10	11 U	11 U	12 U	NA	NA
1,2-Dichloroethane	10	11 U	11 U	12 U	NA	NA
1,2-Dichloroethane(total)	10	11 U	11 U	12 U	NA	NA
1,2-Dichloropropane	10	11 UJ	11 UJ	12 UJ	NA	NA
2-Butanone	10	11 U	11 U	12 U	NA	NA
2-Hexanone	10	11 U	11 U	12 U	NA	NA
4-Methyl-2-pentanone	10	11 U	11 U	12 U	NA	NA
Acetone	10	11 UJ	11 UJ	12 U	NA	NA
Benzene	10	11 U	11 U	12 U	NA	NA
Bromodichloromethane	10	11 U	11 U	12 U	NA	NA
Bromoform	10	11 U	11 U	12 U	NA	NA
Bromomethane	10	11 U	11 U	12 U	NA	NA
Carbon Disulfide	10	11 U	11 U	12 U	NA	NA
Carbon Tetrachloride	10	11 U	11 U	12 U	NA	NA
Chlorobenzene	10	11 U	11 U	12 U	NA	NA
Chloroethane	10	11 U	11 U	12 U	NA	NA
Chloroform	10	11 U	11 U	12 U	NA	NA
Chloromethane	10	11 U	11 U	12 U	NA	NA
Dibromochloromethane	10	11 U	11 U	12 U	NA	NA
Ethylbenzene	10	11 U	11 U	12 U	NA	NA
Methylene Chloride	10	11 U	11 U	12 U	NA	NA
Styrene	10	11 U	11 U	12 U	NA	NA
Tetrachloroethane	10	11 U	11 U	12 U	NA	NA
Toluene	10	11 U	11 U	12 U	NA	NA
Total Xylenes	10	11 U	11 U	12 U	NA	NA
Trichloroethane	10	11 U	11 U	12 U	NA	NA
Vinyl Chloride	10	11 U	11 U	12 U	NA	NA
cis-1,3-Dichloropropene	10	11 U	11 U	12 U	NA	NA
trans-1,3-Dichloropropene	10	11 U	11 U	12 U	NA	NA

SEMIVOLATILE ORGANICS CRQL (ug/kg)

1,2,4-Trichlorobenzene	330	370 U	360 U	400 U	NA	360 U
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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): MLE SAMPLE ID: DATE SAMPLED:	BH-04 SEWAGE SLUDGE 4.0-6.0 BH-04-04-06-NX-B-131-2 08/22/91	BH-04 SEWAGE SLUDGE 8.0- 10 BH-04-08-10-NX-B-132-2 08/22/91	BH-05 BACKGROUN 0.0-2.0 BH-05-00-02-NX-B-133-2 08/22/91	BH-05 BACKGROUN 0.0-4.0 BH-05-10-16-FD-B-153-2 08/22/91
REMARKS:	Field Duplicate			
1,2-Dichlorobenzene	330	370 U	360 U	360 U
1,3-Dichlorobenzene	330	370 U	360 U	360 U
1,4-Dichlorobenzene	330	370 U	360 U	360 U
2,2'-oxybis(1-Chloropropane)	330	370 U	360 U	360 U
2,4,5-Trichlorophenol	800	890 U	970 U	880 U
2,4,6-Trichlorophenol	330	370 U	360 U	360 U
2,4-Dichlorophenol	330	370 U	360 U	360 U
2,4-Dimethylphenol	330	370 U	360 U	360 U
2,4-Dinitrophenol	800	890 U	970 U	880 U
2,4-Dinitrotoluene	330	370 U	360 U	360 U
2,6-Dinitrotoluene	330	370 U	360 U	360 U
2-Chloronaphthalene	330	370 U	360 U	360 U
2-Chlorophenol	330	370 U	360 U	360 U
2-Methylnaphthalene	330	370 U	360 U	360 U
2-Methylphenol	330	370 U	360 U	360 U
2-Nitroaniline	800	890 U	970 U	880 U
2-Nitrophenol	330	370 U	360 U	360 U
3,3'-Dichlorobenzidine	330	370 U	360 U	360 U
3-Nitroaniline	800	890 U	970 U	880 U
4,6-Dinitro-2-methylphenol	800	890 U	970 U	880 U
4-Bromophenyl-phenylether	330	370 U	360 U	360 U
4-Chloro-3-methylphenol	330	370 U	360 U	360 U
4-Chloroaniline	330	370 U	360 U	360 U
4-Chlorophenyl-phenylether	330	370 U	360 U	360 U
4-Methylphenol	330	370 U	360 U	360 U
4-Nitroaniline	800	890 U	970 U	880 U
4-Nitrophenol	800	890 U	970 U	880 U
Acenaphthene	330	370 U	360 U	360 U
Acenaphthylene	330	370 U	360 U	360 U
Anthracene	330	370 U	360 U	360 U
Benzo(a)anthracene	330	370 U	360 U	360 U
Benzo(a)pyrene	330	370 U	360 U	360 U
Benzo(b)fluoranthene	330	370 U	360 U	360 U
Benzo(g,h,i)perylene	330	370 U	360 U	360 U
Benzo(k)fluoranthene	330	370 U	360 U	360 U
Butylbenzylphthalate	330	370 U	360 U	360 U
Carbazole	330	370 U	360 U	360 U
Chrysene	330	370 U	360 U	360 U
Di-n-butylphthalate	330	370 U	62 J	360 U

LOCATION NAME:		BH-04	BH-04	BH-05	BH-05	BH-05
SITE LOCATION:		SEWAGE SLUDGE	SEWAGE SLUDGE	BACKGROUND	BACKGROUND	BACKGROUND
SAMPLE DEPTH (FT):		4.0-6.0	8.0- 10	0.0-2.0	0.0-4.0	10- 16
M&E SAMPLE ID:		BH-04-04-06-NX-B-131-2	BH-04-08-10-NX-B-132-2	BH-05-00-02-NX-B-133-2	BH-05-00-04-NX-B-133-2	BH-05-10-16-FD-B-153-2
DATE SAMPLED:		08/22/91	08/22/91	08/22/91	08/22/91	08/22/91
REMARKS:						
						Field Duplicate
Di-n-octylphthalate	330	370 U	360 U	400 UJ	NA	360 U
Dibenz(a,h)anthracene	330	370 U	360 U	400 UJ	NA	360 U
Dibenzofuran	330	370 U	360 U	400 U	NA	360 U
Diethylphthalate	330	370 U	360 U	400 U	NA	360 U
Dimethylphthalate	330	370 U	360 U	400 U	NA	360 U
Fluoranthene	330	370 U	360 U	400 U	NA	360 U
Fluorene	330	370 U	360 U	400 U	NA	360 U
Hexachlorobenzene	330	370 U	360 U	400 U	NA	360 U
Hexachlorobutadiene	330	370 U	360 U	400 U	NA	360 U
Hexachlorocyclopentadiene	330	370 U	360 U	400 U	NA	360 U
Hexachloroethane	330	370 U	360 U	400 U	NA	360 U
Indeno(1,2,3-cd)pyrene	330	370 U	360 U	400 UJ	NA	360 U
Isophorone	330	370 U	360 U	400 U	NA	360 U
N-Nitroso-di-n-propylamine	330	370 U	360 U	400 U	NA	360 U
N-Nitrosodiphenylamine	330	370 U	360 U	400 U	NA	360 U
Naphthalene	330	370 U	360 U	400 U	NA	360 U
Nitrobenzene	330	370 U	360 U	400 U	NA	360 U
Pentachlorophenol	800	890 U	870 U	970 U	NA	880 U
Phenanthrene	330	370 U	360 U	400 U	NA	360 U
Phenol	330	370 U	360 U	400 U	NA	360 U
Pyrene	330	370 U	360 U	400 U	NA	360 U
bis(2-Chloroethoxy)methane	330	370 U	360 U	400 U	NA	360 U
bis(2-Chloroethyl) ether	330	370 U	360 U	400 U	NA	360 U
bis(2-Ethylhexyl)phthalate	330	370 U	360 U	400 U	NA	360 U
PESTICIDES/PCBs		CRQL (ug/kg)				
4,4'-DDD	3.3	3.7 U	3.6 U	4.0 U	NA	3.6 U
4,4'-DDE	3.3	3.7 U	3.6 U	4.0 U	NA	3.6 U
4,4'-DDT	3.3	3.7 U	3.6 U	4.0 U	NA	3.6 U
Aldrin	1.7	1.9 U	1.8 U	2.0 U	NA	1.8 U
Aroclor-1016	33.0	37 U	36 U	40 U	NA	36.0 U
Aroclor-1221	67.0	75 U	73 U	80 U	NA	73.0 U
Aroclor-1232	33.0	37 U	36 U	40 U	NA	36.0 U
Aroclor-1242	33.0	37 U	36 U	40 U	NA	36.0 U
Aroclor-1248	33.0	37 U	36 U	40 U	NA	36.0 U
Aroclor-1254	33.0	37 U	36 U	40 U	NA	36.0 U
Aroclor-1260	33.0	37 U	36 U	40 U	NA	36.0 U
Dieldrin	3.3	3.7 U	3.6 U	4.0 U	NA	3.6 U

SUBSURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	BH-04 SEWAGE SLUDGE 4.0-6.0	BH-04 SEWAGE SLUDGE 8.0- 10	BH-05 BACKGROUND 0.0-2.0	BH-05 BACKGROUND 0.0-4.0	BH-05 BACKGROUND 10- 16
SITE LOCATION:	BH-04-04-06-NX-B-131-2	BH-04-08-10-NX-B-132-2	BH-05-00-02-NX-B-133-2	BH-05-00-04-NX-B-133-2	BH-05-10-16-FD-B-153-2
SAMPLE DEPTH (FT):	08/22/91	08/22/91	08/22/91	08/22/91	08/22/91
M&E SAMPLE ID:					
DATE SAMPLED:					

REMARKS:

Field Duplicate

Endosulfan I	1.7	1.9 U	1.8 U	2.0 U	1.8 U
Endosulfan II	3.3	3.7 U	3.6 U	4.0 U	3.6 U
Endosulfan Sulfate	3.3	3.7 U	3.6 U	4.0 U	3.6 U
Endrin	3.3	3.7 U	3.6 U	4.0 U	3.6 U
Endrin Aldehyde	3.3	3.7 U	3.6 U	4.0 U	3.6 U
Endrin Ketone	3.3	3.7 U	3.6 U	4.0 U	3.6 U
Heptachlor	1.7	1.9 U	1.8 U	2.0 U	1.8 U
Heptachlor Epoxide	1.7	1.9 U	1.8 U	2.0 U	1.8 U
Methoxychlor	17.0	19 U	18 U	20 U	18.0 U
Toxaphene	170.0	190 U	180 U	200 U	180.0 U
alpha-BHC	1.7	1.9 U	1.8 U	2.0 U	1.8 U
alpha-Chlordane	1.7	1.9 U	1.8 U	2.0 U	1.8 U
beta-BHC	1.7	1.9 U	1.8 U	2.0 U	1.8 U
delta-BHC	1.7	1.9 U	1.8 U	2.0 U	1.8 U
gamma-BHC(Lindane)	1.7	1.9 U	1.8 U	2.0 U	1.8 U
gamma-Chlordane	1.7	1.9 U	1.8 U	2.0 U	1.8 U

METALS

	CRDL(mg/kg)				
Aluminum	200	6000	4950	11800	4180
Antimony	60	9.1 J	3.5 UJ	3.9 UJ	3.7 UJ
Arsenic	10	1.2 UJ	0.85 U	2.9 U	0.82 U
Barium	200	12.7 U	20.2	13.2 U	20.2
Beryllium	5	0.39	0.71	0.47	0.63
Cadmium	5	0.67 U	0.61 U	0.70 U	0.65 U
Calcium	5000	484 UJ	501 UJ	194 UJ	1640 UJ
Chromium	10	5.9	4.1	9.2	3.5
Cobalt	50	6.3	4.1	5.4	3.3
Copper	25	10.8	4.2	3.5	3.3
Iron	100	7390	6940	12800	6710
Lead	3	4.7	2.3	12.6	2.8
Magnesium	5000	1350	1250	1350	1050
Manganese	15	106	109	125	162
Mercury	0.2	0.11 U	0.10 U	0.15 J	0.09 U
Nickel	40	6.1 UJ	5.4 UJ	7.7 UJ	5.4 UJ
Potassium	5000	394	1060	415	921
Selenium	5	0.89 UJ	0.85 UJ	0.95 U	0.82 UJ
Silver	10	0.89 U	0.81 U	0.93 U	0.87 U
Sodium	5000	48.8 U	50.4 U	47.0 U	58.8 U

LOCATION NAME:		BH-04	BH-04	BH-05	BH-05	BH-05
SITE LOCATION:		SEWAGE SLUDGE	SEWAGE SLUDGE	BACKGROUND	BACKGROUND	BACKGROUND
SAMPLE DEPTH (FT):		4.0-6.0	8.0- 10	0.0-2.0	0.0-4.0	10- 16
M&E SAMPLE ID:		BH-04-04-06-NX-B-131-2	BH-04-08-10-NX-B-132-2	BH-05-00-02-NX-B-133-2	BH-05-00-04-NX-B-133-2	BH-05-10-16-FD-B-153-2
DATE SAMPLED:		08/22/91	08/22/91	08/22/91	08/22/91	08/22/91
REMARKS:						
Field Duplicate						
Thallium	10	0.22 U	0.21 U	NA	0.24 U	0.21 U
Vanadium	50	10.1	7.1	NA	19.3	6.7
Zinc	20	29.0	18.0	NA	20.0	16.3
SOIL QUALITY PARAMETERS						
CYANIDE	CRDL (mg/kg)					
Cyanide	20	0.28 U	0.26 U	NA	0.30 U	0.26 U
TOTAL COMBUSTIBLE ORGANICS						
Moisture Content	(%)	NA	NA	NA	NA	9.4
Organic Content	(%)	NA	NA	NA	NA	0.7
Solids Content	(%)	NA	NA	NA	NA	90.6
GRAIN SIZE						
Clay	(%)	NA	NA	NA	NA	3.2
Gravel	(%)	NA	NA	NA	NA	4.9
Sand	(%)	NA	NA	NA	NA	52.3
Silt	(%)	NA	NA	NA	NA	39.6
ATTERBERG LIMITS						
Liquid Limit	--	NA	NA	NA	NA	--
Plastic Limit	--	NA	NA	NA	NA	NP

LOCATION NAME:	BH-05	BH-05	BH-05	BH-06	BH-06
SITE LOCATION:	BACKGROUND	BACKGROUND	BACKGROUND	BULKY WASTE	BULKY WASTE
SAMPLE DEPTH (FT):	10- 16	12- 14	12- 14	2.0-4.0	6.0- 10
M&E SAMPLE ID:	BH-05-10-16-NX-8-134-2	BH-05-12-14-FD-B-153-2	BH-05-12-14-NX-8-134-2	BH-06-02-04-NX-8-135-2	BH-06-06-10-NX-8-136-2
DATE SAMPLED:	08/22/91	08/22/91	08/22/91	08/23/91	08/23/91

REMARKS:

Field Duplicate

VOLATILE ORGANICS-CLP	CRQL (ug/kg)				
1,1,1-Trichloroethane	10	11 UJ	11 U	25 UJ	NA
1,1,2-Tetrachloroethane	10	11 UJ	11 U	25 UJ	NA
1,1,2-Trichloroethane	10	11 UJ	11 U	25 UJ	NA
1,1-Dichloroethane	10	11 UJ	11 U	25 UJ	NA
1,1-Dichloroethane	10	11 UJ	11 U	25 UJ	NA
1,2-Dichloroethane	10	11 UJ	11 U	25 UJ	NA
1,2-Dichloroethane(total)	10	11 UJ	11 U	25 UJ	NA
1,2-Dichloropropane	10	11 UJ	11 U	25 UJ	NA
2-Butanone	10	11 UJ	11 UJ	25 UJ	NA
2-Hexanone	10	11 UJ	11 U	25 UJ	NA
4-Methyl-2-pentanone	10	11 UJ	11 U	25 UJ	NA
Acetone	10	11 UJ	11 UJ	350 J	NA
Benzene	10	11 UJ	11 U	25 UJ	NA
Bromodichloromethane	10	11 UJ	11 U	25 UJ	NA
Bromoform	10	11 UJ	11 U	25 UJ	NA
Bromomethane	10	11 UJ	11 U	25 UJ	NA
Carbon Disulfide	10	11 UJ	11 U	25 UJ	NA
Carbon Tetrachloride	10	11 UJ	11 U	25 UJ	NA
Chlorobenzene	10	11 UJ	11 U	25 UJ	NA
Chloroethane	10	11 UJ	11 U	25 UJ	NA
Chloroform	10	11 UJ	11 U	25 UJ	NA
Chloromethane	10	11 UJ	11 U	25 UJ	NA
Dibromochloromethane	10	11 UJ	11 U	25 UJ	NA
Ethylbenzene	10	11 UJ	11 U	25 UJ	NA
Methylene Chloride	10	11 UJ	11 U	25 UJ	NA
Styrene	10	11 UJ	11 U	25 UJ	NA
Tetrachloroethene	10	11 UJ	11 U	25 UJ	NA
Toluene	10	11 UJ	11 U	25 UJ	NA
Total Xylenes	10	11 UJ	11 U	25 UJ	NA
Trichloroethene	10	11 UJ	11 U	25 UJ	NA
Vinyl Chloride	10	11 UJ	11 U	25 UJ	NA
cis-1,3-Dichloropropene	10	11 UJ	11 U	25 UJ	NA
trans-1,3-Dichloropropene	10	11 UJ	11 U	25 UJ	NA
SEMIVOLATILE ORGANICS	CRQL (ug/kg)				
1,2,4-Trichlorobenzene	330	NA	NA	400 U	360 U

SUBSURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): MSE SAMPLE ID: DATE SAMPLED:	BH-05		BH-05		BH-05		BH-06		BH-06	
	BACKGROUN	10- 16	BACKGROUN	12- 14	BACKGROUN	12- 14	BULKY WASTE	2.0-4.0	BULKY WASTE	6.0- 10
	BH-05-10-16-NX-B-134-2	08/22/91	BH-05-12-14-FD-B-153-2	08/22/91	BH-05-12-14-NX-B-134-2	08/22/91	BH-06-02-04-NX-B-135-2	08/23/91	BH-06-06-10-NX-B-136-2	08/23/91
REMARKS:	Field Duplicate									
1,2-Dichlorobenzene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
1,3-Dichlorobenzene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
1,4-Dichlorobenzene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,2'-oxybis(1-Chloropropane)	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,4,5-Trichlorophenol	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
2,4,6-Trichlorophenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,4-Dichlorophenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,4-Dimethylphenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,4-Dinitrophenol	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
2,6-Dinitrotoluene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2,6-Dinitrotoluene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2-Chloronaphthalene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2-Chlorophenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2-Methylnaphthalene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2-Methylphenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
2-Nitroaniline	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
2-Nitrophenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
3,3'-Dichlorobenzidine	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
3-Nitroaniline	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
4,6-Dinitro-2-methylphenol	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
4-Bromophenyl-phenylether	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
4-Chloro-3-methylphenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
4-Chloroaniline	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
4-Chlorophenyl-phenylether	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
4-Methylphenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
4-Nitroaniline	800	860 U	NA	NA	NA	NA	970 U	870 U	870 U	
4-Nitrophenol	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Acenaphthene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Acenaphthylene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Anthracene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Benzo(a)anthracene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Benzo(a)pyrene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Benzo(b)fluoranthene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Benzo(g,h,i)perylene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Benzo(k)fluoranthene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Butylbenzylphthalate	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Carbazole	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Chrysene	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	
Di-n-butylphthalate	330	360 U	NA	NA	NA	NA	400 U	360 U	360 U	

LOCATION NAME:	BH-05	BH-05	BH-05	BH-06	BH-06
SITE LOCATION:	BACKGROUND	BACKGROUND	BACKGROUND	BULKY WASTE	BULKY WASTE
SAMPLE DEPTH (FT):	10- 16	12- 14	12- 14	2.0-4.0	6.0- 10
M&E SAMPLE ID:	BH-05-10-16-NX-8-134-2	BH-05-12-14-FD-8-153-2	BH-05-12-14-NX-B-134-2	BH-06-02-04-NX-B-135-2	BH-06-06-10-NX-B-136-2
DATE SAMPLED:	08/22/91	08/22/91	08/22/91	08/23/91	08/23/91

REMARKS:

Field Duplicate

Di-n-octylphthalate	330	19 J	NA	NA	360 U
Dibenz(a,h)anthracene	330	360 U	NA	NA	360 U
Dibenzofuran	330	360 U	NA	NA	360 U
Diethylphthalate	330	360 U	NA	NA	360 U
Dimethylphthalate	330	360 U	NA	NA	360 U
Fluoranthene	330	360 U	NA	NA	360 U
Fluorene	330	360 U	NA	NA	360 U
Hexachlorobenzene	330	360 U	NA	NA	360 U
Hexachlorobutadiene	330	360 U	NA	NA	360 U
Hexachlorocyclopentadiene	330	360 U	NA	NA	360 U
Hexachloroethane	330	360 U	NA	NA	360 U
Indeno(1,2,3-cd)pyrene	330	360 U	NA	NA	360 U
Isophorone	330	360 U	NA	NA	360 U
N-Nitroso-di-n-propylamine	330	360 U	NA	NA	360 U
N-Nitrosodiphenylamine	330	360 U	NA	NA	360 U
Naphthalene	330	360 U	NA	NA	360 U
Nitrobenzene	330	360 U	NA	NA	360 U
Pentachlorophenol	800	860 U	NA	970 U	870 U
Phenanthrene	330	360 U	NA	400 U	360 U
Phenol	330	360 U	NA	400 U	360 U
Pyrene	330	360 U	NA	400 U	360 U
bis(2-Chloroethoxy)methane	330	360 U	NA	400 U	360 U
bis(2-Chloroethyl) ether	330	360 U	NA	400 U	360 U
bis(2-Ethylhexyl)phthalate	330	360 U	NA	400 U	360 U

PESTICIDES/PCBs

	CRQL (ug/kg)				
4,4'-DDD	3.3	NA	NA	4.0 U	3.6 U
4,4'-DDE	3.3	NA	NA	4.6	3.6 U
4,4'-DDT	3.3	NA	NA	4.0 U	3.6 U
Aldrin	1.7	NA	NA	2.1 U	1.9 U
Aroclor-1016	33.0	36 U	NA	40.0 U	36.0 U
Aroclor-1221	67.0	73 U	NA	82.0 U	73.0 U
Aroclor-1232	33.0	36 U	NA	40.0 U	36.0 U
Aroclor-1242	33.0	36 U	NA	40.0 U	36.0 U
Aroclor-1248	33.0	36 U	NA	40.0 U	36.0 U
Aroclor-1254	33.0	36 U	NA	40.0 U	36.0 U
Aroclor-1260	33.0	36 U	NA	40.0 U	36.0 U
Dieldrin	3.3	3.6 U	NA	4.0 U	3.6 U

SUBSURFACE SOILS - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	BH-05	BH-05	BH-05	BH-06	BH-06
SITE LOCATION:	BACKGROUND	BACKGROUND	BACKGROUND	BULKY WASTE	BULKY WASTE
SAMPLE DEPTH (FT):	10- 16	12- 14	12- 14	2.0-4.0	6.0- 10
M&E SAMPLE ID:	BH-05-10-16-NX-B-134-2	BH-05-12-14-FD-B-153-2	BH-05-12-14-NX-B-134-2	BH-06-02-04-NX-B-135-2	BH-06-06-10-NX-B-136-2
DATE SAMPLED:	08/22/91	08/22/91	08/22/91	08/23/91	08/23/91

REMARKS:

Field Duplicate

Endosulfan I	1.7	1.8 U	NA	NA	2.1 U	1.9 U
Endosulfan II	3.3	3.6 U	NA	NA	4.0 U	3.6 U
Endosulfan Sulfate	3.3	3.6 U	NA	NA	4.0 U	3.6 U
Endrin	3.3	3.6 U	NA	NA	4.0 U	3.6 U
Endrin Aldehyde	3.3	3.6 U	NA	NA	4.0 U	3.6 U
Endrin Ketone	3.3	3.6 U	NA	NA	4.0 U	3.6 U
Heptachlor	1.7	1.8 U	NA	NA	2.1 U	1.9 U
Heptachlor Epoxide	1.7	1.8 U	NA	NA	2.1 U	1.9 U
Methoxychlor	17.0	18 U	NA	NA	21.0 U	19.0 U
Toxaphene	170.0	180 U	NA	NA	210.0 U	190.0 U
alpha-BHC	1.7	1.8 U	NA	NA	2.1 U	1.9 U
alpha-Chlordane	1.7	1.8 U	NA	NA	2.1 U	1.9 U
beta-BHC	1.7	1.8 U	NA	NA	2.1 U	1.9 U
delta-BHC	1.7	1.8 U	NA	NA	2.1 U	1.9 U
gamma-BHC(Lindane)	1.7	1.8 U	NA	NA	2.1 U	1.9 U
gamma-Chlordane	1.7	1.8 U	NA	NA	2.1 U	1.9 U

METALS CRDL(mg/kg)

Aluminum	200	3730	NA	NA	8810	5100
Antimony	60	3.5 UJ	NA	NA	4.0 UJ	6.0 J
Arsenic	10	0.82 U	NA	NA	1.3 U	0.80 U
Barium	200	18.0	NA	NA	14.6	19.8
Beryllium	5	0.54	NA	NA	0.61	0.55
Cadmium	5	0.62 U	NA	NA	0.70 U	0.63 U
Calcium	5000	1610 UJ	NA	NA	1050 UJ	450 UJ
Chromium	10	4.0	NA	NA	6.3	3.0
Cobalt	50	2.8	NA	NA	3.5	3.5
Copper	25	3.5	NA	NA	4.1	3.3
Iron	100	6120	NA	NA	9530	6620
Lead	3	2.3	NA	NA	61.4	4.5
Magnesium	5000	882	NA	NA	846	1150
Manganese	15	133	NA	NA	116	94.1 U
Mercury	0.2	0.09 U	NA	NA	0.20 J	0.24 J
Nickel	40	6.9 UJ	NA	NA	6.7 UJ	5.2 UJ
Potassium	5000	854	NA	NA	401	963
Selenium	5	0.82 UJ	NA	NA	0.95 UJ	0.80 UJ
Silver	10	0.83 U	NA	NA	0.94 U	0.84 U
Sodium	5000	53.3 U	NA	NA	98.8 U	79.1 U

LOCATION NAME: BH-05 BH-05 BH-05 BH-06 BH-06
SITE LOCATION: BACKGROUND BACKGROUND BACKGROUND BULKY WASTE BULKY WASTE
SAMPLE DEPTH (FT): 10- 16 12- 14 12- 14 2.0-4.0 6.0- 10
WAE SAMPLE ID: BH-05-10-16-NX-8-134-2 BH-05-12-14-FD-B-153-2 BH-06-02-04-NX-8-135-2 BH-06-06-10-NX-8-136-2
DATE SAMPLED: 08/22/91 08/22/91 08/22/91 08/23/91 08/23/91

REMARKS: Field Duplicate
Thallium 10 0.21 U NA NA 0.24 U 0.20 U
Vanadium 50 5.7 NA NA 11.3 6.7
Zinc 20 15.6 UJ NA NA 95.9 18.9

SOIL QUALITY PARAMETERS

CYANIDE CRDL (mg/kg)

Cyanide 20 0.27 U NA NA 0.29 U 0.26 U

TOTAL COMBUSTIBLE ORGANICS

Moisture Content (%) 12.7 NA NA 8.7
Organic Content (%) 0.7 NA NA 1.0
Solids Content (%) 87.3 NA NA 91.3

GRAIN SIZE

Clay (%) 2.9 NA NA 5.5
Gravel (%) 8.1 NA NA 8.8
Sand (%) 49.8 NA NA 59.8
Silt (%) 39.2 NA NA 25.8

ATTERBERG LIMITS

Liquid Limit -- -- NA NA --
Plastic Limit -- NP NA NA NP

LOCATION NAME:	BH-06	MU-14-01	MU-14-01	MU-14-01
SITE LOCATION:	BULKY WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	8.0- 10	4.0-6.0	4.0- 8.0	4.0- 14
MEE SAMPLE ID:	BH-06-08-10-NX-B-136-2	BH-07-04-06-NX-B-138-2	BH-07-04-08-NX-B-138-2	BH-07-04-14-NX-B-138-2
DATE SAMPLED:	08/23/91	08/26/91	08/26/91	08/26/91

REMARKS:

VOLATILE ORGANICS-CLP CRQL(ug/kg)

1,1,1-Trichloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
1,1,2,2-Tetrachloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
1,1,2-Trichloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
1,1-Dichloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
1,1-Dichloroethene	10	11 U	1600 UJ	NA	NA	3100 UJ
1,2-Dichloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
1,2-Dichloroethene(total)	10	11 U	1600 UJ	NA	NA	3100 UJ
1,2-Dichloropropane	10	11 U	1600 UJ	NA	NA	3100 UJ
2-Butanone	10	11 UJ	1600 UJ	NA	NA	3100 UJ
2-Hexanone	10	11 U	1600 UJ	NA	NA	3100 UJ
4-Methyl-2-pentanone	10	11 U	1600 UJ	NA	NA	3100 UJ
Acetone	10	48 J	1600 UJ	NA	NA	3100 UJ
Benzene	10	11 U	1600 UJ	NA	NA	3100 UJ
Bromodichloromethane	10	11 U	1600 UJ	NA	NA	3100 UJ
Bromoform	10	11 U	1600 UJ	NA	NA	3100 UJ
Bromomethane	10	11 U	1600 UJ	NA	NA	3100 UJ
Carbon Disulfide	10	11 U	1600 UJ	NA	NA	3100 UJ
Carbon Tetrachloride	10	11 U	1600 UJ	NA	NA	3100 UJ
Chlorobenzene	10	11 U	1600 UJ	NA	NA	3100 UJ
Chloroethane	10	11 U	1600 UJ	NA	NA	3100 UJ
Chloroform	10	11 U	1600 UJ	NA	NA	3100 UJ
Chloromethane	10	11 U	1600 UJ	NA	NA	3100 UJ
Dibromochloromethane	10	11 U	1600 UJ	NA	NA	3100 UJ
Ethylbenzene	10	11 U	1600 UJ	NA	NA	3100 UJ
Methylene Chloride	10	11 U	1600 UJ	NA	NA	3100 UJ
Styrene	10	11 U	1600 UJ	NA	NA	3100 UJ
Tetrachloroethene	10	11 U	1600 UJ	NA	NA	3100 UJ
Toluene	10	11 U	1600 UJ	NA	NA	3100 UJ
Total Xylenes	10	11 U	1600 UJ	NA	NA	3100 UJ
Trichloroethene	10	11 U	1600 UJ	NA	NA	3100 UJ
Vinyl Chloride	10	11 U	1600 UJ	NA	NA	3100 UJ
cis-1,3-Dichloropropene	10	11 U	1600 UJ	NA	NA	3100 UJ
trans-1,3-Dichloropropene	10	11 U	1600 UJ	NA	NA	3100 UJ

SEMIVOLATILE ORGANICS CRQL(ug/kg)

1,2,4-Trichlorobenzene	330	NA	NA	370 U	NA	NA
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LOCATION NAME: SITE LOCATION: SAMPLE DEPTH (FT): M&E SAMPLE ID: DATE SAMPLED:	BH-06 BULKY WASTE 8.0- 10 BH-06-08-10-NX-B-136-2 08/23/91	MW-14-01 SOLID WASTE 4.0-6.0 BH-07-04-06-NX-B-138-2 08/26/91	MW-14-01 SOLID WASTE 4.0-8.0 BH-07-04-08-NX-B-138-2 08/26/91	MW-14-01 SOLID WASTE 4.0- 14 BH-07-04-14-NX-B-138-2 08/26/91	MW-14-01 SOLID WASTE 14- 16 BH-07-14-16-NX-B-137-2 08/26/91
REMARKS:					
1,2-Dichlorobenzene	330	NA	240 J	NA	NA
1,3-Dichlorobenzene	330	NA	370 U	NA	NA
1,4-Dichlorobenzene	330	NA	97 J	NA	NA
2,2'-oxybis(1-Chloropropane)	330	NA	370 U	NA	NA
2,4,5-Trichlorophenol	800	NA	890 U	NA	NA
2,4,6-Trichlorophenol	330	NA	370 U	NA	NA
2,4-Dichlorophenol	330	NA	370 U	NA	NA
2,4-Dimethylphenol	330	NA	370 U	NA	NA
2,4-Dinitrophenol	800	NA	890 U	NA	NA
2,4-Dinitrotoluene	330	NA	370 U	NA	NA
2,6-Dinitrotoluene	330	NA	370 U	NA	NA
2-Chloronaphthalene	330	NA	370 U	NA	NA
2-Chlorophenol	330	NA	370 U	NA	NA
2-Methylnaphthalene	330	NA	700	NA	NA
2-Methylphenol	330	NA	370 U	NA	NA
2-Nitroaniline	800	NA	890 U	NA	NA
2-Nitrophenol	330	NA	370 U	NA	NA
3,3'-Dichlorobenzidine	330	NA	370 U	NA	NA
3-Nitroaniline	800	NA	890 U	NA	NA
4,6-Dinitro-2-methylphenol	800	NA	890 U	NA	NA
4-Bromophenyl-phenylether	330	NA	370 U	NA	NA
4-Chloro-3-methylphenol	330	NA	370 U	NA	NA
4-Chloroaniline	330	NA	370 U	NA	NA
4-Chlorophenyl-phenylether	330	NA	370 U	NA	NA
4-Methylphenol	330	NA	260 J	NA	NA
4-Nitroaniline	800	NA	890 U	NA	NA
4-Nitrophenol	800	NA	890 U	NA	NA
Acenaphthene	330	NA	370 U	NA	NA
Acenaphthylene	330	NA	370 U	NA	NA
Anthracene	330	NA	370 U	NA	NA
Benzo(a)anthracene	330	NA	63 J	NA	NA
Benzo(a)pyrene	330	NA	370 U	NA	NA
Benzo(b)fluoranthene	330	NA	370 U	NA	NA
Benzo(g,h,i)perylene	330	NA	370 U	NA	NA
Benzo(k)fluoranthene	330	NA	370 U	NA	NA
Butylbenzylphthalate	330	NA	96 J	NA	NA
Carbazole	330	NA	370 U	NA	NA
Chrysene	330	NA	84 J	NA	NA
Di-n-butylphthalate	330	NA	320 J	NA	NA

LOCATION NAME:	BH-06	MW-14-01	MW-14-01	MW-14-01	MW-14-01
SITE LOCATION:					
SAMPLE DEPTH (FT):	BULKY WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE
M&E SAMPLE ID:	8.0- 10	4.0-6.0	4.0-8.0	4.0- 14	14- 16
DATE SAMPLED:	BH-06-08-10-NX-B-136-2	BH-07-04-06-NX-B-138-2	BH-07-04-08-NX-B-138-2	BH-07-04-14-NX-B-138-2	BH-07-14-16-NX-B-137-2
	08/23/91	08/26/91	08/26/91	08/26/91	08/26/91

REMARKS:

Di-n-octylphthalate	330	NA	370 U	NA	NA
Dibenz(a,h)anthracene	330	NA	370 U	NA	NA
Dibenzofuran	330	NA	370 U	NA	NA
Diethylphthalate	330	NA	140 J	NA	NA
Dimethylphthalate	330	NA	370 U	NA	NA
Fluoranthene	330	NA	140 J	NA	NA
Fluorene	330	NA	370 U	NA	NA
Hexachlorobenzene	330	NA	370 U	NA	NA
Hexachlorobutadiene	330	NA	370 U	NA	NA
Hexachlorocyclopentadiene	330	NA	370 U	NA	NA
Hexachloroethane	330	NA	370 U	NA	NA
Indeno(1,2,3-cd)pyrene	330	NA	370 U	NA	NA
Isophorone	330	NA	370 U	NA	NA
N-Nitroso-di-n-propylamine	330	NA	370 U	NA	NA
N-Nitrosodiphenylamine	330	NA	370 U	NA	NA
Naphthalene	330	NA	200 J	NA	NA
Nitrobenzene	330	NA	370 U	NA	NA
Pentachlorophenol	800	NA	890 U	NA	NA
Phenanthrene	330	NA	150 J	NA	NA
Phenol	330	NA	370 U	NA	NA
Pyrene	330	NA	160 J	NA	NA
bis(2-Chloroethoxy)methane	330	NA	370 U	NA	NA
bis(2-Chloroethyl) ether	330	NA	370 U	NA	NA
bis(2-Ethylhexyl)phthalate	330	NA	2000	NA	NA

PESTICIDES/PCBs

	CRQL (ug/kg)				
4,4'-DDD	3.3	NA	3.7 U	NA	NA
4,4'-DDE	3.3	NA	31.0	NA	NA
4,4'-DDT	3.3	NA	3.7 U	NA	NA
Aldrin	1.7	NA	1.9 U	NA	NA
Aroclor-1016	33.0	NA	37.0 U	NA	NA
Aroclor-1221	67.0	NA	75.0 U	NA	NA
Aroclor-1232	33.0	NA	37.0 U	NA	NA
Aroclor-1242	33.0	NA	37.0 U	NA	NA
Aroclor-1248	33.0	NA	37.0 U	NA	NA
Aroclor-1254	33.0	NA	270.0	NA	NA
Aroclor-1260	33.0	NA	37.0 U	NA	NA
Dieldrin	3.3	NA	3.7 U	NA	NA

LOCATION NAME:	BH-06	MW-14-01	MW-14-01	MW-14-01	MW-14-01	MW-14-01
SITE LOCATION:	BULKY WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	8.0- 10	4.0-6.0	4.0-8.0	4.0- 14	4.0- 14	14- 16
M&E SAMPLE ID:	BH-06-08-10-NX-8-136-2	BH-07-04-06-NX-B-138-2	BH-07-04-08-NX-B-138-2	BH-07-04-14-NX-B-138-2	BH-07-14-16-NX-B-137-2	
DATE SAMPLED:	08/23/91	08/26/91	08/26/91	08/26/91	08/26/91	08/26/91
REMARKS:						
Endosulfan I	1.7	NA	1.9 U	NA	NA	NA
Endosulfan II	3.3	NA	3.7 U	NA	NA	NA
Endosulfan Sulfate	3.3	NA	3.7 U	NA	NA	NA
Endrin	3.3	NA	3.7 U	NA	NA	NA
Endrin Aldehyde	3.3	NA	3.7 U	NA	NA	NA
Endrin Ketone	3.3	NA	3.7 U	NA	NA	NA
Heptachlor	1.7	NA	1.9 U	NA	NA	NA
Heptachlor Epoxide	1.7	NA	1.9 U	NA	NA	NA
Methoxychlor	17.0	NA	19.0 U	NA	NA	NA
Toxaphene	170.0	NA	190.0 U	NA	NA	NA
alpha-BHC	1.7	NA	1.9 U	NA	NA	NA
alpha-Chlordane	1.7	NA	1.9 U	NA	NA	NA
beta-BHC	1.7	NA	1.9 U	NA	NA	NA
delta-BHC	1.7	NA	1.9 U	NA	NA	NA
gamma-BHC(Lindane)	1.7	NA	1.9 U	NA	NA	NA
gamma-Chlordane	1.7	NA	1.9 U	NA	NA	NA
METALS						
	CRDL (mg/kg)					
Aluminum	200	NA	5250	NA	NA	NA
Antimony	60	NA	6.0 J	NA	NA	NA
Arsenic	10	NA	0.86 U	NA	NA	NA
Barium	200	NA	22.9	NA	NA	NA
Beryllium	5	NA	0.7	NA	NA	NA
Cadmium	5	NA	0.65 U	NA	NA	NA
Calcium	5000	NA	1720 UJ	NA	NA	NA
Chromium	10	NA	5.5	NA	NA	NA
Cobalt	50	NA	3.3	NA	NA	NA
Copper	25	NA	18.9	NA	NA	NA
Iron	100	NA	7540	NA	NA	NA
Lead	3	NA	20.2	NA	NA	NA
Magnesium	5000	NA	1090	NA	NA	NA
Manganese	15	NA	82.5 U	NA	NA	NA
Mercury	0.2	NA	0.39 J	NA	NA	NA
Nickel	40	NA	5.4 UJ	NA	NA	NA
Potassium	5000	NA	780	NA	NA	NA
Selenium	5	NA	0.86 U	NA	NA	NA
Silver	10	NA	0.87 U	NA	NA	NA
Sodium	5000	NA	67.4 U	NA	NA	NA

LOCATION NAME:	BH-06	MW-14-01	MW-14-01	MW-14-01	MW-14-01
SITE LOCATION:	BULKY WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE	SOLID WASTE
SAMPLE DEPTH (FT):	8.0- 10	4.0-6.0	4.0-8.0	4.0- 14	14- 16
M&E SAMPLE ID:	BH-06-08-10-NX-B-136-2	BH-07-04-06-NX-B-138-2	BH-07-04-08-NX-B-138-2	BH-07-04-14-NX-B-138-2	BH-07-14-16-NX-B-137-2
DATE SAMPLED:	08/23/91	08/26/91	08/26/91	08/26/91	08/26/91

REMARKS:

Thallium	10	NA	NA	0.21 U	NA	NA
Vanadium	50	NA	NA	9.3	NA	NA
Zinc	20	NA	NA	45.5	NA	NA

SOIL QUALITY PARAMETERS

CYANIDE CRDL(mg/kg)

Cyanide	20	NA	NA	0.28 U	NA	NA
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TOTAL COMBUSTIBLE ORGANICS

Moisture Content	(%)	NA	NA	NA	13.0	NA
Organic Content	(%)	NA	NA	NA	3.8	NA
Solids Content	(%)	NA	NA	NA	87.1	NA

GRAIN SIZE

Clay	(%)	NA	NA	NA	3.5	NA
Gravel	(%)	NA	NA	NA	8.1	NA
Sand	(%)	NA	NA	NA	60.7	NA
Silt	(%)	NA	NA	NA	27.6	NA

ATTERBERG LIMITS

Liquid Limit	--	NA	NA	NA	--	NA
Plastic Limit	--	NA	NA	NA	NP	NA

LOCATION NAME: MW-14-01
SITE LOCATION: SOLID WASTE
SAMPLE DEPTH (FT): 14- 18
M&E SAMPLE ID: BH-07-14-18-WX-B-137-2
DATE SAMPLED: 08/26/91

REMARKS:

VOLATILE ORGANICS-CLP CRQL(ug/kg)

1,1,1-Trichloroethane	10	NA
1,1,2,2-Tetrachloroethane	10	NA
1,1,2-Trichloroethane	10	NA
1,1-Dichloroethane	10	NA
1,1-Dichloroethene	10	NA
1,2-Dichloroethane	10	NA
1,2-Dichloroethene(total)	10	NA
1,2-Dichloropropane	10	NA
2-Butanone	10	NA
2-Hexanone	10	NA
4-Methyl-2-pentanone	10	NA
Acetone	10	NA
Benzene	10	NA
Bromodichloromethane	10	NA
Bromoform	10	NA
Bromomethane	10	NA
Carbon Disulfide	10	NA
Carbon Tetrachloride	10	NA
Chlorobenzene	10	NA
Chloroethane	10	NA
Chloroform	10	NA
Chloromethane	10	NA
Dibromochloromethane	10	NA
Ethylbenzene	10	NA
Methylene Chloride	10	NA
Styrene	10	NA
Tetrachloroethene	10	NA
Toluene	10	NA
Total Xylenes	10	NA
Trichloroethene	10	NA
Vinyl Chloride	10	NA
cis-1,3-Dichloropropene	10	NA
trans-1,3-Dichloropropene	10	NA

SEMIVOLATILE ORGANICS CRQL(ug/kg)

1,2,4-Trichlorobenzene	330	3600 U
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LOCATION NAME: MW-14-01
SITE LOCATION: SOLID WASTE
SAMPLE DEPTH (FT): 14- 18
HME SAMPLE ID: BH-07-14-18-NX-B-137-2
DATE SAMPLED: 08/26/91

REMARKS:

1,2-Dichlorobenzene	330	3600 U
1,3-Dichlorobenzene	330	3600 U
1,4-Dichlorobenzene	330	3600 U
2,2'-oxybis(1-Chloropropene)	330	3600 U
2,4,5-Trichlorophenol	800	8800 U
2,4,6-Trichlorophenol	330	3600 U
2,4-Dichlorophenol	330	3600 U
2,4-Dimethylphenol	330	3600 U
2,4-Dinitrophenol	800	8800 U
2,4-Dinitrotoluene	330	3600 U
2,6-Dinitrotoluene	330	3600 U
2-Chloronaphthalene	330	3600 U
2-Chlorophenol	330	3600 U
2-Methylnaphthalene	330	3300 J
2-Methylphenol	330	4000
2-Nitroaniline	800	8800 U
2-Nitrophenol	330	3600 U
3,3'-Dichlorobenzidine	330	3600 U
3-Nitroaniline	800	8800 U
4,6-Dinitro-2-methylphenol	800	8800 U
4-Bromophenyl-phenylether	330	3600 U
4-Chloro-3-methylphenol	330	3600 U
4-Chloroaniline	330	3600 U
4-Chlorophenyl-phenylether	330	3600 U
4-Methylphenol	330	3600 U
4-Nitroaniline	800	8800 U
4-Nitrophenol	800	8800 U
Acenaphthene	330	3600 U
Acenaphthylene	330	3600 U
Anthracene	330	3600 U
Benzo(a)anthracene	330	3600 U
Benzo(a)pyrene	330	3600 U
Benzo(b)fluoranthene	330	3600 U
Benzo(g,h,i)perylene	330	3600 U
Benzo(k)fluoranthene	330	3600 U
Butylbenzylphthalate	330	18000
Carbazole	330	3600 U
Chrysene	330	3600 U
Di-n-butylphthalate	330	2300 J

LOCATION NAME: MW-14-01
SITE LOCATION: SOLID WASTE
SAMPLE DEPTH (FT): 14- 18
M&E SAMPLE ID: BH-07-14-18-WX-B-137-2
DATE SAMPLED: 08/26/91

REMARKS:

Di-n-octylphthalate	330	3600 J
Dibenz(a,h)anthracene	330	3600 U
Dibenzofuran	330	3600 U
Diethylphthalate	330	790 J
Dimethylphthalate	330	3600 U
Fluoranthene	330	3600 U
Fluorene	330	3600 U
Hexachlorobenzene	330	3600 U
Hexachlorobutadiene	330	3600 U
Hexachlorocyclopentadiene	330	3600 U
Hexachloroethane	330	3600 U
Indeno(1,2,3-cd)pyrene	330	3600 U
Isophorone	330	3600 U
N-Nitroso-di-n-propylamine	330	3600 U
N-Nitrosodiphenylamine	330	3600 U
Naphthalene	330	2200 J
Nitrobenzene	330	3600 U
Pentachlorophenol	800	8800 U
Phenanthrene	330	920 J
Phenol	330	3600 U
Pyrene	330	3600 U
bis(2-Chloroethoxy)methane	330	3600 U
bis(2-Chloroethyl) ether	330	3600 U
bis(2-Ethylhexyl)phthalate	330	3600 U

PESTICIDES/PCBs CRQL (ug/kg)

4,4'-DDD	3.3	26.0
4,4'-DDE	3.3	12.0
4,4'-DDT	3.3	3.6 U
Aldrin	1.7	1.9 U
Aroclor-1016	33.0	36.0 U
Aroclor-1221	67.0	74.0 U
Aroclor-1232	33.0	36.0 U
Aroclor-1242	33.0	310.0
Aroclor-1248	33.0	36.0 U
Aroclor-1254	33.0	36.0 U
Aroclor-1260	33.0	36.0 U
Dieldrin	3.3	14.0

LOCATION NAME: MW-14-01
SITE LOCATION: SOLID WASTE
SAMPLE DEPTH (FT): 14- 18
M&E SAMPLE ID: BH-07-14-18-NX-B-137-2
DATE SAMPLED: 08/26/91

REMARKS:

Endosulfan I	1.7	1.9 U
Endosulfan II	3.3	3.6 U
Endosulfan Sulfate	3.3	3.6 U
Endrin	3.3	3.6 U
Endrin Aldehyde	3.3	3.6 U
Endrin Ketone	3.3	3.6 U
Heptachlor	1.7	1.9 U
Heptachlor Epoxide	1.7	1.9 U
Methoxychlor	17.0	19.0 U
Toxaphene	170.0	190.0 U
alpha-BHC	1.7	1.9 U
alpha-Chlordane	1.7	17.0
beta-BHC	1.7	1.9 U
delta-BHC	1.7	1.9 U
gamma-BHC(Lindane)	1.7	1.9 U
gamma-Chlordane	1.7	15.0

METALS

CRDL(mg/kg)

Aluminum	200	3620
Antimony	60	3.8 UJ
Arsenic	10	0.89 U
Barium	200	16.0
Beryllium	5	0.39
Cadmium	5	0.66 U
Calcium	5000	803 UJ
Chromium	10	5.5
Cobalt	50	1.8
Copper	25	7.4
Iron	100	4800
Lead	3	19.4
Magnesium	5000	738
Manganese	15	58.3 U
Mercury	0.2	0.18 J
Nickel	40	5.4 UJ
Potassium	5000	618
Selenium	5	0.89 U
Silver	10	0.89 U
Sodium	5000	81.7 U

LOCATION NAME: MW-14-01
SITE LOCATION: SOLID WASTE
SAMPLE DEPTH (FT): 14- 18
M&E SAMPLE ID: BH-07-14-18-NX-8-137-2
DATE SAMPLED: 08/26/91

REMARKS:

Thallium	10	0.22 U
Vanadium	50	5.5
Zinc	20	68.2

SOIL QUALITY PARAMETERS

CYANIDE CRDL(mg/kg)

Cyanide	20	0.28 U
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TOTAL COMBUSTIBLE ORGANICS

Moisture Content	(%)	NA
Organic Content	(%)	NA
Solids Content	(%)	NA

GRAIN SIZE

Clay	(%)	NA
Gravel	(%)	NA
Sand	(%)	NA
Silt	(%)	NA

ATTERBERG LIMITS

Liquid Limit	--	NA
Plastic Limit	--	NA

D-8 COMPLETE ANALYTICAL DATA, LEACHATE

- JUNE 1991
- APRIL 1992

LEACHATE - JUNE 1991

LOCATION NAME: SITE LOCATION:	LE-01 MITCHELL BROOK	LE-02 SAUGATUCKET RIVER	LE-03 SAUGATUCKET RIVER	LE-04 SAUGATUCKET RIVER
N&E SAMPLE ID:	LE-01-0.8-1.0-NX-06-24-L-075	LE-02-0.8-1.0-NX-06-25-L-076	LE-03-0.8-1.0-NX-06-24-L-077	LE-04-0.0-FD-06-24-L-086
DATE SAMPLED:	06/24/91	06/25/91	06/24/91	06/24/91
REMARKS:	Field Duplicate			
VOLATILE ORGANICS-CLP				
	CRQL (ug/L)			
1,1,1-Trichloroethane	5	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane	5	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	2 J	2 J
1,1-Dichloroethene	5	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U
1,2-Dichloroethene(total)	5	5 U	5 U	5 U
1,2-Dichloropropane	5	5 U	5 U	5 U
2-Butanone	10	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U
Benzene	5	5 U	5 U	5 U
Bromodichloromethane	5	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U
Bromomethane	10	10 U	10 U	10 U
Carbon Disulfide	5	12	5 U	5 U
Carbon Tetrachloride	5	5 U	5 U	5 U
Chlorobenzene	5	5 U	2 J	2 J
Chloroethane	10	10 U	8 J	6 J
Chloroform	5	5 U	5 U	5 U
Chloromethane	10	10 U	10 U	10 U
Dibromochloromethane	5	5 U	5 U	5 U
Ethylbenzene	5	5 U	5 U	5 U
Methylene Chloride	5	5 U	5 U	5 U
Styrene	5	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U
Toluene	5	5 U	50	28
Total Xylenes	5	5 U	5 U	5 U
Trichloroethene	5	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
cis-1,3-Dichloropropene	5	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U
SEMI-VOLATILE ORGANICS				
	CRQL (ug/L)			
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U

LOCATION NAME: SITE LOCATION:	LE-01 MITCHELL BROOK	LE-02 SAUGATUCKET RIVER	LE-03 SAUGATUCKET RIVER	LE-04 SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-01-0.8-1.0-NX-06-24-L-075	LE-02-0.8-1.0-NX-06-25-L-076	LE-03-0.8-1.0-NX-06-24-L-077	LE-04-0.0-FD-06-24-L-086
DATE SAMPLED:	06/24/91	06/25/91	06/24/91	06/24/91
REMARKS:	Field Duplicate			
1,2-Dichlorobenzene	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	R	R
2,4,6-Trichlorophenol	10	10 U	R	R
2,4-Dichlorophenol	10	10 U	R	R
2,4-Dimethylphenol	10	10 U	R	R
2,4-Dinitrophenol	50	50 U	R	R
2,4-Dinitrotoluene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Chlorophenol	10	10 U	R	R
2-Methylnaphthalene	10	10 U	10 U	10 U
2-Methylphenol	10	10 U	R	R
2-Nitroaniline	50	50 U	50 U	50 U
2-Nitrophenol	10	10 U	R	R
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U
3-Nitroaniline	50	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	50	50 U	R	R
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	R	R
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U
4-Nitroaniline	50	50 U	R	R
4-Nitrophenol	50	50 U	50 U	50 U
Acenaphthene	10	10 U	R	R
Acenaphthylene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U
Benzoic Acid	50	50 U	10 U	10 U
Benzyl Alcohol	10	10 U	R	R
Butylbenzylphthalate	10	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U

LOCATION NAME: SITE LOCATION:	LE-01 MITCHELL BROOK	LE-02 SAUGATUCKET RIVER	LE-03 SAUGATUCKET RIVER	LE-04 SAUGATUCKET RIVER
M&E SAMPLE ID: DATE SAMPLED:	LE-01-0.8-1.0-NX-06-24-L-075 06/24/91	LE-02-0.8-1.0-NX-06-25-L-076 06/25/91	LE-03-0.8-1.0-NX-06-24-L-077 06/24/91	LE-04-0.0-FD-06-24-L-086 06/24/91
REMARKS:	Field Duplicate			
Di-n-octylphthalate	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	R	R
Phenanthrene	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	R	R
Pyrene	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U
PESTICIDES/PCBs	CRQL (ug/L)			
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U
Aroclor-1016	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U

LOCATION NAME: SITE LOCATION:	LE-01 MITCHELL BROOK	LE-02 SAUGATUCKET RIVER	LE-03 SAUGATUCKET RIVER	LE-04 SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-01-0.8-1.0-NX-06-24-L-075	LE-02-0.8-1.0-NX-06-25-L-076	LE-03-0.8-1.0-NX-06-24-L-077	LE-04-0.0-FD-06-24-L-086
DATE SAMPLED:	06/24/91	06/25/91	06/24/91	06/24/91
REMARKS:	Field Duplicate			
Dieldrin	0.10	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U
Toxaphene	1.0	1.0 U	1.0 U	1.0 U
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.50	0.50 U	0.50 U	0.50 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U
gamma-BHC(Lindane)	0.05	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.50	0.50 U	0.50 U	0.50 U
METALS-UNFILTERED	CRDL(ug/L)			
Aluminum	200	60500 J	9220 J	55.6 U
Antimony	60	11 U	55.6 U	11 U
Arsenic	10	3.7	4 U	2 U
Barium	200	328 J	2120	56.6
Beryllium	5	11.2	8.7	1 U
Cadmium	5	R	3 U	2.2 U
Calcium	5000	14900	59000	9940
Chromium	10	23.9	7 U	2 U
Cobalt	50	6.7 U	295	3.3 U
Copper	25	37.8 J	11 U	3 U
Iron	100	133000 J	1370000 J	59200 J
Lead	3	150	174 J	3.9 U
Magnesium	5000	5610	16100	2460
Manganese	15	814	14700 J	8910
Mercury	0.2	0.2 U	0.2 U	0.2 U
Nickel	40	15.8	13.6	4 U
Potassium	5000	3620	44800	2870
Selenium	5	4.0 UJ	4 U	4.0 UJ
Silver	10	2 U	4 U	2 U
Sodium	5000	9300 J	55400	5720

LOCATION NAME: SITE LOCATION:		LE-01 MITCHELL BROOK	LE-02 SAUGATUCKET RIVER	LE-03 SAUGATUCKET RIVER	LE-04 SAUGATUCKET RIVER
M&E SAMPLE ID:		LE-01-0.8-1.0-NX-06-24-L-075	LE-02-0.8-1.0-NX-06-25-L-076	LE-03-0.8-1.0-NX-06-24-L-077	LE-04-0.0-FD-06-24-L-086
DATE SAMPLED:		06/24/91	06/25/91	06/24/91	06/24/91
REMARKS:		Field Duplicate			
Thallium	10	3.0 UJ	1.0 UJ	3.0 UJ	3.0 UJ
Vanadium	50	49.8	65.2	2 U	2 U
Zinc	20	209 J	133 J	34.3	1710 U
METALS-FILTERED		CRDL (ug/L)			
Aluminum	200	335 U	75.8 U	27 U	27 U
Antimony	60	17 U	11 U	17 U	17 U
Arsenic	10	4 U	4 U	4 U	4 U
Barium	200	21.5	6.4 U	57.6	57.6
Beryllium	5	1.1 U	1 U	1 U	1.1 U
Cadmium	5	3 U	3.0 U	3 U	3 U
Calcium	5000	4400	4500	10400	10200
Chromium	10	7 U	2 U	7 U	7 U
Cobalt	50	4 U	3.6 U	4 U	5.0
Copper	25	11 U	3 U	11 U	11 U
Iron	100	1260 J	743	64100 J	53600 J
Lead	3	3.6 U	1.9 U	3.5 U	3.7 U
Magnesium	5000	1360	1420	2600	2590
Manganese	15	184 J	246	9700 J	9370 J
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	6 U	4 U	6 U	6 U
Potassium	5000	1440	1000	3180	3120
Selenium	5	4 U	4 U	4 U	4 U
Silver	10	4 U	2 U	4 U	4 U
Sodium	5000	11600	9780	7850	6310
Thallium	10	1.0 UJ	1 U	1.0 UJ	1.0 UJ
Vanadium	50	3 U	2 U	4.0 U	3 U
Zinc	20	33.9 U	17.6 U	19.7 U	17.2 U
CYANIDE		WATER QUALITY PARAMETERS			
	CRDL (ug/L)				
Cyanide	10	10.0 U	36.1	10.0 U	10.0 U
TOTAL ORGANIC CARBON		QL (mg/L)			
Total Organic Carbon	1.0	8.4 J	48 J	2.8 UJ	2.4 UJ

LOCATION NAME:	LE-01	LE-02	LE-03	LE-04
SITE LOCATION:	MITCHELL BROOK	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-01-0.8-1.0-NX-06-24-L-075	LE-02-0.8-1.0-NX-06-25-L-076	LE-03-0.8-1.0-NX-06-24-L-077	LE-04-0.0-FD-06-24-L-086
DATE SAMPLED:	06/24/91	06/25/91	06/24/91	06/24/91
REMARKS:	Field Duplicate			

BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)			
Biochemical Oxygen Demand	2.4	6.0 U	51	10 U
OTHER				
Hardness	(mg/L)	60	214	35
pH	--	5.35	7.07	6.40
Specific Conductance	(umhos)	100	1000	380

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LOCATION NAME: LE-04 SAUGATUCKET RIVER LE-05 SAUGATUCKET RIVER LE-06 SAUGATUCKET RIVER
SITE LOCATION: LE-04-0-0-NX-06-24-L-078 LE-05-0-8-1-0-NX-06-24-L-079 LE-06-0-0-5-NX-06-25-L-080
M&E SAMPLE ID: 06/24/91 06/24/91 06/25/91
DATE SAMPLED:

REMARKS:

VOLATILE ORGANICS-CLP CRQL (ug/L)

1,1,1-Trichloroethane	5	5 U	R	5 U
1,1,2-Tetrachloroethane	5	5 U	R	5 U
1,1,2-Trichloroethane	5	5 U	R	5 U
1,1-Dichloroethane	5	2 J	2 J	5 U
1,1-Dichloroethane	5	5 U	R	5 U
1,2-Dichloroethane	5	5 U	R	5 U
1,2-Dichloroethane(total)	5	5 U	R	5 U
1,2-Dichloropropane	5	5 U	R	5 U
2-Butanone	10	10 U	R	10 U
2-Hexanone	10	10 U	R	10 U
4-Methyl-2-pentanone	10	10 U	R	10 U
Acetone	10	10 U	R	10 U
Benzene	5	5 U	R	5 U
Bromodichloromethane	5	5 U	R	5 U
Bromoform	5	5 U	R	5 U
Bromomethane	10	10 U	R	10 U
Carbon Disulfide	5	5 U	R	5 U
Carbon Tetrachloride	5	5 U	R	5 U
Chlorobenzene	5	5 U	2 J	5 U
Chloroethane	10	6 J	5 J	10 U
Chloroform	5	5 U	R	5 U
Chloromethane	10	10 U	R	10 U
Dibromochloromethane	5	5 U	R	5 U
Ethylbenzene	5	5 U	R	5 U
Methylene Chloride	5	5 U	5 U	5 U
Styrene	5	5 U	R	5 U
Tetrachloroethane	5	5 U	R	5 U
Toluene	5	30	27 J	5 U
Total Xylenes	5	5 U	R	5 U
Trichloroethane	5	5 U	R	5 U
Vinyl Acetate	10	10 U	R	10 U
Vinyl Chloride	10	10 U	R	10 U
cis-1,3-Dichloropropene	5	5 U	R	5 U
trans-1,3-Dichloropropene	5	5 U	R	5 U

SEMI-VOLATILE ORGANICS CRQL (ug/L)

1,2,4-Trichlorobenzene	10	10 U	10 U
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LOCATION NAME: SITE LOCATION:	LE-04 SAUGATUCKET RIVER	LE-05 SAUGATUCKET RIVER	LE-06 SAUGATUCKET RIVER
M&E SAMPLE ID: DATE SAMPLED:	LE-04-0-0-NX-06-24-L-078 06/24/91	LE-05-0-8-1-0-NX-06-24-L-079 06/24/91	LE-06-0-0-5-NX-06-25-L-080 06/25/91
REMARKS:			
1,2-Dichlorobenzene	10	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U
2,4,5-Trichlorophenol	50	R	R
2,4,6-Trichlorophenol	10	10 U	R
2,4-Dichlorophenol	10	10 U	R
2,4-Dimethylphenol	10	10 U	R
2,4-Dinitrophenol	50	50 U	R
2,4-Dinitrotoluene	10	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U
2-Chlorophenol	10	R	R
2-Methylnaphthalene	10	10 U	10 U
2-Methylphenol	10	10 U	R
2-Nitroaniline	50	50 U	50 U
2-Nitrophenol	10	10 U	R
3,3'-Dichlorobenzidine	20	20 U	20 U
3-Nitroaniline	50	50 U	50 U
4,6-Dinitro-2-methylphenol	50	R	R
4-Bromophenyl-phenylether	10	10 U	10 U
4-Chloro-3-methylphenol	10	R	R
4-Chloroaniline	10	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U
4-Methylphenol	10	10 U	10 U
4-Nitroaniline	50	50 U	50 U
4-Nitrophenol	50	R	R
Acenaphthene	10	10 U	10 U
Acenaphthylene	10	10 U	10 U
Anthracene	10	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U
Benzoic Acid	50	R	50 U
Benzyol Alcohol	10	R	R
Butylbenzylphthalate	10	10 U	10 U
Chrysene	10	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U

LOCATION NAME:	LE-04	LE-05	LE-06
SITE LOCATION:	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-04-0-0-NX-06-24-L-078	LE-05-0-8-1-0-NX-06-24-L-079	LE-06-0-0-5-NX-06-25-L-080
DATE SAMPLED:	06/24/91	06/24/91	06/25/91
REMARKS:			
Di-n-octylphthalate	10	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U
Dibenzofuran	10	10 U	10 U
Diethylphthalate	10	10 U	10 U
Dimethylphthalate	10	10 U	10 U
Fluoranthene	10	10 U	10 U
Fluorene	10	10 U	10 U
Hexachlorobenzene	10	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U
Hexachloroethane	10	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U
Isophorone	10	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U
Naphthalene	10	10 U	10 U
Nitrobenzene	10	10 U	10 U
Pentachlorophenol	50	50 U	R
Phenanthrene	10	10 U	10 U
Phenol	10	10 U	R
Pyrene	10	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U
bis(2-Chloroisopropyl) ether	10	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	230 J
PESTICIDES/PCBs			
	CRQL (ug/L)		
4,4'-DDD	0.10	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U
Aroclor-1016	0.50	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U

LOCATION NAME:		LE-04	LE-05	LE-06
SITE LOCATION:		SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:		LE-04-0-0-NX-06-24-L-078	LE-05-0-8-1.0-NX-06-24-L-079	LE-06-0-0.5-NX-06-25-L-080
DATE SAMPLED:		06/24/91	06/24/91	06/25/91
REMARKS:				
Dieldrin	0.10	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U
Toxaphene	1.0	1.0 U	1.0 U	1.0 U
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.50	0.50 U	0.50 U	0.50 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U
gamma-BHC(Lindane)	0.05	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.50	0.50 U	0.50 U	0.50 U
METALS-UNFILTERED				
	CRDL (ug/L)			
Aluminum	200	1340 J	383 J	27 U
Antimony	60	28.2 U	17 U	17 U
Arsenic	10	2 U	R	4 U
Barium	200	209	392	22.2
Beryllium	5	1 U	2.2 U	1 U
Cadmium	5	R	3 U	3 U
Calcium	5000	12200	41000	15200
Chromium	10	2 U	7 U	7 U
Cobalt	50	12.3	7.4	5.6
Copper	25	R	11 U	11 U
Iron	100	173000 J	287000 J	15200 J
Lead	3	17.9 U	6.2 U	4.9 U
Magnesium	5000	2560	11000	5620
Manganese	15	11300	2490 J	4930 J
Mercury	0.2	0.2 U	0.2 U	0.2 U
Nickel	40	5.0	8.4 U	6 U
Potassium	5000	3040	25400	2000
Selenium	5	4.0 UJ	R	4 U
Silver	10	2 U	4.0 UJ	4 U
Sodium	5000	5670 J	39100	9910

LOCATION NAME: LE-04 LE-05 LE-06
SITE LOCATION: SAUGATUCKET RIVER SAUGATUCKET RIVER SAUGATUCKET RIVER
M&E SAMPLE ID: LE-04-0-0-NX-06-24-L-078 LE-05-0-8-1-0-NX-06-24-L-079 LE-06-0-0-5-NX-06-25-L-080
DATE SAMPLED: 06/24/91 06/24/91 06/25/91

REMARKS:

Thallium	10	3.0 UJ	1 U	1.0 UJ
Vanadium	50	2.1 U	22.2	3 U
Zinc	20	R	R	8 U

METALS-FILTERED CRDL(ug/L)

Aluminum	200	27 U	27 U	10.7 U
Antimony	60	17 U	17 U	11 U
Arsenic	10	4 U	4 U	4 U
Barium	200	56.7	143	22.5
Beryllium	5	1 U	1.1 U	1 U
Cadmium	5	3 U	3 U	2.0 U
Calcium	5000	10500	41500	15200
Chromium	10	7 U	7 U	2 U
Cobalt	50	4 U	4 U	6.0 U
Copper	25	11 U	11 U	3 U
Iron	100	53000 J	12100 J	12500
Lead	3	2.8 U	2.1 U	3.2 U
Magnesium	5000	2690	11500	5850
Manganese	15	9290 J	1410 J	5040
Mercury	0.2	0.2 U	0.2 U	0.2 U
Nickel	40	6 U	6 U	4 U
Potassium	5000	3190	26700	2120
Selenium	5	4 U	4 U	4 U
Silver	10	4 U	4 U	2 U
Sodium	5000	7880	42600	10500
Thallium	10	1.0 UJ	5.0 UJ	1 U
Vanadium	50	3 U	3 U	2 U
Zinc	20	41.6 U	8 U	5.3 U

WATER QUALITY PARAMETERS

CYANIDE	CRDL(ug/L)	
Cyanide	10	10.0 U
TOTAL ORGANIC CARBON	QL(mg/L)	
Total Organic Carbon	1.0	18 J

LOCATION NAME:	LE-04	LE-05	LE-06
SITE LOCATION:	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-04-0-0-NX-06-24-L-078	LE-05-0.8-1.0-NX-06-24-L-079	LE-06-0-0.5-NX-06-25-L-080
DATE SAMPLED:	06/24/91	06/24/91	06/25/91
REMARKS:			

BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)		
Biochemical Oxygen Demand	2.4	10 U	7.5
OTHER			
Hardness	(mg/L)	41	148
pH	--	6.26	6.23
Specific Conductance	(umhos)	320	1800

LEACHATE - APRIL 1992

LE-05
SAUGATUCKET RIVER

-05-0.0-0.5-NX-L-6
04/07/92

CRQL (ug/L)

1,1,1-Trichloroethane	10	10 U	10 U	10 U
1,1,1,2-Tetrachloroethane	10	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	10 U	1 J
1,2-Dichloropropane	10	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U
Acetone	10	10 U	10 UJ	10 U
Benzene	10	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U
Chloroethane	10	10 U	2 J	10 U
Chloroform	10	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U
Ethylbenzene	10	1 J	2 J	2 J
Methylene Chloride	10	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U
Total Xylenes	10	10 U	3 J	2 J
Trichloroethene	10	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U

WATER SOLUBLE ORGANICS

ABLE ORGANICS

Acrylonitrile

50 U

50 U

50 U

LOCATION NAME:	LE-05	LE-05	LE-05	LE-05
SITE LOCATION:	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:	LE-05-0.0-0.5-NX-L-684-4	LE-05-0.0-0.3-NX-L-685-4	LE-05-0.0-0.3-FD-L-687-4	LE-05-0.0-0.3-NX-L-686-4
DATE SAMPLED:	04/07/92	04/08/92	04/10/92	04/10/92
REMARKS:	Field Duplicate			
Ethyl Urethane	100	50 U	50 U	50 U
N,N-DMF	50	50 U	118 U	50 U
Urethane	1000	1000 U	1000 U	1000 U
SEMI-VOLATILE ORGANICS	CRQL (ug/L)			
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U

LOCATION NAME: LE-05 LE-05 LE-05 LE-05
SITE LOCATION: SAUGATUCKET RIVER SAUGATUCKET RIVER SAUGATUCKET RIVER SAUGATUCKET RIVER
M&E SAMPLE ID: LE-05-0.0-0.5-WX-L-684-4 LE-05-0.0-0.3-WX-L-685-4 LE-05-0.0-0.3-FD-L-687-4 LE-05-0.0-0.3-WX-L-686-4
DATE SAMPLED: 04/07/92 04/08/92 04/10/92 04/10/92

REMARKS:

Field Duplicate

Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	4 J	11	10 U	4 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	0.9 J	0.7 J	0.7 J	0.7 J
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U

PESTICIDES/PCBs

4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U

LEACHATE - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

LOCATION NAME:		LE-05	LE-05	LE-05	LE-05
SITE LOCATION:		SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER	SAUGATUCKET RIVER
M&E SAMPLE ID:		LE-05-0.0-0.5-NX-L-684-4	LE-05-0.0-0.3-NX-L-685-4	LE-05-0.0-0.3-FD-L-687-4	LE-05-0.0-0.3-NX-L-686-4
DATE SAMPLED:		04/07/92	04/08/92	04/10/92	04/10/92
REMARKS:		Field Duplicate			
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
beta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC(Lindane)	0.05	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.05 U	0.05 U
METALS-UNFILTERED		CRDL (mg/L)			
Aluminum	200	116 U	623	175 UJ	390
Antimony	60	16 U	16 U	16 U	11 UJ
Arsenic	10	1.2 U	1 U	1 U	1 U
Barium	200	97.4 J	293 J	127	163
Beryllium	5	1 U	1 U	1 U	1 U
Cadmium	5	2 U	0 R	2 UJ	1 U
Calcium	5000	16700	23000	20800	21400
Chromium	10	3 U	3 U	3 UJ	8.2
Cobalt	50	3.2 U	7 U	3 U	3.2 U
Copper	25	3.6 U	2 U	2 U	4 U
Iron	100	49800	283000	79400 J	114000 J
Lead	3	3.8 U	10.5 J	6.2 UJ	5.4 U
Magnesium	5000	5710	7220	6880	6830

LOCATION NAME:

SITE LOCATION:

M&E SAMPLE ID:

DATE SAMPLED:

LE-05
SAUGATUCKET RIVER

LE-05
SAUGATUCKET RIVER

LE-05
SAUGATUCKET RIVER

LE-05
SAUGATUCKET RIVER

LE-05
SAUGATUCKET RIVER

LE-05-0.0-0.5-NX-L-684-4 04/07/92 LE-05-0.0-0.3-NX-L-685-4 04/08/92 LE-05-0.0-0.3-FD-L-687-4 04/10/92 LE-05-0.0-0.3-NX-L-686-4 04/10/92

REMARKS:

Field Duplicate

Manganese

Mercury

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Vanadium

Zinc

15

0.2

40

5000

5

10

5000

10

50

20

1490

0.2

3 U

12000

0 R

0 R

0 R

20800

1 UJ

2.5 U

CRDL (ug/L)

METALS-FILTERED

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Mercury

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Vanadium

Zinc

71.8 U

11 U

2 U

81.5

1 U

1 U

1 U

17100

5 UJ

2 U

4 U

27500

2.6 U

5730

1410

0.2 U

5 U

12200

20 UJ

3 U

22900

2 UJ

2 U

8 UJ

29.7 U

11 U

2 U

80.3

1 U

1 U

1 U

21800

5 UJ

4.7 U

4 U

13800

1.7 U

7530

1570

0.2 U

5 U

16100

4 UJ

3 U

27700

2 UJ

2 U

8 UJ

22 U

16 U

2 U

82.6

1 U

1 U

2.2 U

21600

3 U

4.8 U

2 U

19900

6.1 UJ

7160

1550

0.2 U

3 U

15400

4 UJ

2.8 U

25100

2 UJ

2 U

11 UJ

22 U

16 U

2 U

82.4

1 U

2 U

21600

3 U

5.4 U

2 U

19700

3.4 U

7200

1550

0.2 U

4.9 U

15500

4 UJ

2 U

25200

2 UJ

2 U

11 UJ

CYANIDE CRDL (mg/L)

Cyanide

10

10 U

10 UJ

10 U

WATER QUALITY PARAMETERS

LOCATION NAME: LE-05 LE-05 LE-05 LE-05
SITE LOCATION: SAUGATUCKET RIVER SAUGATUCKET RIVER SAUGATUCKET RIVER SAUGATUCKET RIVER
M&E SAMPLE ID: LE-05-0.0-0.5-NX-L-684-4 LE-05-0.0-0.3-NX-L-685-4 LE-05-0.0-0.3-FD-L-687-4 LE-05-0.0-0.3-NX-L-686-4
DATE SAMPLED: 04/07/92 04/08/92 04/10/92 04/10/92

REMARKS: Field Duplicate

AMMONIA	QL(mg/L)				
Ammonia	0.03	5.06	10.9	22.6	20.9
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	30.9	49.9	39.3	43.5
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	4.1 J	1.5	3.5	4.2
OTHER					
Hardness	(mg/L)	65	87	80	82
pH	--	NA	6.49	NA	NA
Specific Conductance	(umhos/cm)	NA	412	NA	NA

ROSE HILL
Area: 3.6
Other: # 9082

D-9 COMPLETE ANALYTICAL DATA, GROUNDWATER
(MONITORING WELLS)

- JUNE 1991
- SEPTEMBER/OCTOBER 1991
- JANUARY/FEBRUARY 1992
- APRIL 1992

GROUNDWATER (MONITORING WELLS) - JUNE 1991

GROUNDWATER - JUNE 1991 (06/20/91-06/27/91)
ROSE HILL ANALYTICAL DATA

PAGE -1-

LOCATION NAME: MW-I SHALLOW OVERBURDEN MW-II SHALLOW OVERBURDEN MW-III SHALLOW OVERBURDEN MW-IV SHALLOW OVERBURDEN
FLOW ZONE: MW-I SHALLOW OVERBURDEN MW-II SHALLOW OVERBURDEN MW-III SHALLOW OVERBURDEN MW-IV SHALLOW OVERBURDEN
M&E SAMPLE ID: EHW-01-0-NX-06-20-G-004 EHW-02-0-NX-06-20-G-005 EHW-03-0-FD-06-26-G-018 EHW-04-0-NX-06-26-G-007
DATE SAMPLED: 06/20/91 06/20/91 06/26/91 06/26/91

REMARKS: Field Duplicate

VOLATILE ORGANICS-CLP CRQL (ug/L)

1,1,1-Trichloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,1,2-Tetrachloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,1,2-Trichloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,1-Dichloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,1-Dichloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,2-Dichloroethane	5	5 U	5 UJ	5 UJ	5 UJ
1,2-Dichloroethane(total)	5	5 U	5 UJ	5 UJ	5 UJ
1,2-Dichloropropane	5	5 U	5 UJ	5 UJ	5 UJ
2-Butanone	10	10 U	R	R	R
2-Hexanone	10	10 U	10 UJ	10 UJ	10 UJ
4-Methyl-2-pentanone	10	10 U	10 UJ	10 UJ	10 UJ
Acetone	10	10 U	10 UJ	10 UJ	10 UJ
Benzene	5	5 U	5 UJ	5 UJ	5 UJ
Bromodichloromethane	5	5 U	5 UJ	5 UJ	5 UJ
Bromoform	5	5 U	5 UJ	5 UJ	5 UJ
Bromomethane	10	10 U	10 UJ	10 UJ	10 UJ
Carbon Disulfide	5	50	5 UJ	7 J	2 J
Carbon Tetrachloride	5	5 U	5 UJ	5 UJ	5 UJ
Chlorobenzene	5	5 U	5 UJ	5 UJ	5 UJ
Chloroethane	10	10 U	10 UJ	10 UJ	10 UJ
Chloroform	5	5 U	5 UJ	5 UJ	5 UJ
Chloromethane	10	10 U	10 UJ	10 UJ	10 UJ
Dibromochloromethane	5	5 U	5 UJ	5 UJ	5 UJ
Ethylbenzene	5	5 U	5 UJ	5 UJ	5 UJ
Methylene Chloride	5	5 U	5 UJ	5 UJ	5 U
Styrene	5	5 U	5 UJ	5 UJ	5 UJ
Tetrachloroethene	5	5 U	5 UJ	5 UJ	5 UJ
Toluene	5	64	5 UJ	5 UJ	5 UJ
Total Xylenes	5	5 U	5 UJ	5 UJ	5 UJ
Trichloroethene	5	5 U	5 UJ	5 UJ	5 UJ
Vinyl Acetate	10	10 U	10 UJ	10 UJ	10 UJ
Vinyl Chloride	10	10 U	10 UJ	10 UJ	10 UJ
cis-1,3-Dichloropropene	5	5 U	5 UJ	5 UJ	5 UJ
trans-1,3-Dichloropropene	5	5 U	5 UJ	5 UJ	5 UJ

SEMIVOLATILE ORGANICS CRQL (ug/L)

1,2,4-Trichlorobenzene	10	10 U	R	10 U	10 U
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LOCATION NAME: FLOW ZONE:		MW-I SHALLOW OVERBURDEN		MW-II SHALLOW OVERBURDEN		MW-III SHALLOW OVERBURDEN		MW-III SHALLOW OVERBURDEN		MW-IV SHALLOW OVERBURDEN	
M&E SAMPLE ID:		EMW-01-0-NX-06-20-G-004		EMW-02-0-NX-06-20-G-005		EMW-03-0-FD-06-26-G-018		EMW-03-0-NX-06-26-G-006		EMW-04-0-NX-06-26-G-007	
DATE SAMPLED:		06/20/91		06/20/91		06/26/91		06/26/91		06/26/91	
REMARKS:		Field Duplicate									
1,2-Dichlorobenzene	10	10 U	10 U				R		10 U		10 U
1,3-Dichlorobenzene	10	10 U	10 U				R		10 U		10 U
1,4-Dichlorobenzene	10	10 U	10 U				R		10 U		10 U
2,4,5-Trichlorophenol	50	50 U	50 U				R		50 U		50 U
2,4,6-Trichlorophenol	10	10 U	10 U				R		10 U		10 U
2,4-Dichlorophenol	10	10 U	10 U				R		10 U		10 U
2,4-Dimethylphenol	10	10 U	10 U				R		10 U		10 U
2,4-Dinitrophenol	50	50 U	50 U				R		50 U		50 U
2,4-Dinitrotoluene	10	10 U	10 U				R		10 U		10 U
2,6-Dinitrotoluene	10	10 U	10 U				R		10 U		10 U
2-Chloronaphthalene	10	10 U	10 U				R		10 U		10 U
2-Chlorophenol	10	10 U	10 U				R		10 U		10 U
2-Methylnaphthalene	10	10 U	10 U				R		10 U		10 U
2-Methylphenol	10	10 U	10 U				R		10 U		10 U
2-Nitroaniline	50	50 U	50 U				R		50 U		50 U
2-Nitrophenol	10	10 U	10 U				R		10 U		10 U
3,3'-Dichlorobenzidine	20	20 U	20 U				R		20 U		20 U
3-Nitroaniline	50	50 U	50 U				R		50 U		50 UJ
4,6-Dinitro-2-methylphenol	50	50 U	50 U				R		50 U		50 U
4-Bromophenyl-phenylether	10	10 U	10 U				R		10 U		10 U
4-Chloro-3-methylphenol	10	10 U	10 U				R		10 U		10 U
4-Chloroaniline	10	10 U	10 U				R		10 U		10 U
4-Chlorophenyl-phenylether	10	10 U	10 U				R		10 U		10 U
4-Methylphenol	10	10 U	10 U				R		10 U		10 U
4-Nitroaniline	50	50 U	50 U				R		50 U		50 UJ
4-Nitrophenol	50	50 U	50 U				R		50 U		50 U
Acenaphthene	10	10 U	10 U				R		10 U		10 U
Acenaphthylene	10	10 U	10 U				R		10 U		10 U
Anthracene	10	10 U	10 U				R		10 U		10 U
Benzo(a)anthracene	10	10 U	10 U				R		10 U		10 U
Benzo(a)pyrene	10	10 U	10 U				R		10 U		10 U
Benzo(b)fluoranthene	10	10 U	10 U				R		10 U		10 U
Benzo(g,h,i)perylene	10	10 U	10 U				R		10 U		10 U
Benzo(k)fluoranthene	10	10 U	10 U				R		10 U		10 U
Benzoic Acid	50	50 U	50 U				R		50 U		50 U
Benzyl Alcohol	10	10 U	10 U				R		10 U		10 U
Butylbenzylphthalate	10	10 U	10 U				R		10 U		10 U
Chrysene	10	10 U	10 U				R		10 U		10 U
Di-n-butylphthalate	10	10 U	10 U				R		10 U		10 U

LOCATION NAME: FLOW ZONE:	MW-I SHALLOW OVERBURDEN	MW-II SHALLOW OVERBURDEN	MW-III SHALLOW OVERBURDEN	MW-III SHALLOW OVERBURDEN	MW-IV SHALLOW OVERBURDEN
MWE SAMPLE ID:	EMW-01-0-NX-06-20-G-004	EMW-02-0-NX-06-20-G-005	EMW-03-0-FD-06-26-G-018	EMW-03-0-NX-06-26-G-006	EMW-04-0-NX-06-26-G-007
DATE SAMPLED:	06/20/91	06/20/91	06/26/91	06/26/91	06/26/91

REMARKS:

Field Duplicate

Di-n-octylphthalate	10	10 U	10 U	R	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	R	10 U	10 U
Dibenzofuran	10	10 U	10 U	R	10 U	10 U
Diethylphthalate	10	10 U	10 U	R	10 U	10 U
Dimethylphthalate	10	10 U	10 U	R	10 U	10 U
Fluorethane	10	10 U	10 U	R	10 U	10 U
Fluorene	10	10 U	10 U	R	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	R	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	R	10 U	10 U
Hexachlorocyclopentadiene	10	10 UJ	10 UJ	R	10 U	10 U
Hexachloroethane	10	10 U	10 U	R	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	R	10 U	10 U
Isophorone	10	10 U	10 U	R	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	R	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	R	10 U	10 U
Naphthalene	10	10 U	10 U	R	10 U	10 U
Nitrobenzene	10	10 U	10 U	R	10 U	10 U
Pentachlorophenol	50	50 U	50 U	R	50 U	50 U
Phenanthrene	10	10 U	10 U	R	10 U	10 U
Phenol	10	10 U	10 U	R	10 U	10 U
Pyrene	10	10 U	10 U	R	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	R	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	R	10 U	10 U
bis(2-Chloroisopropyl) ether	10	10 U	10 U	R	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	R	10 U	10 U

PESTICIDES/PCBs

CRQL (ug/L)

4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Aroclor-1016	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

LOCATION NAME: FLOW ZONE:	MW-I SHALLOW OVERBURDEN	MW-II SHALLOW OVERBURDEN	MW-III SHALLOW OVERBURDEN	MW-III SHALLOW OVERBURDEN	MW-IV SHALLOW OVERBURDEN
M&E SAMPLE ID:	EMW-01-0-NX-06-20-G-004	EMW-02-0-NX-06-20-G-005	EMW-03-0-FD-06-26-G-018	EMW-04-0-NX-06-26-G-006	EMW-05-0-NX-06-26-G-007
DATE SAMPLED:	06/20/91	06/20/91	06/26/91	06/26/91	06/26/91
REMARKS:	Field Duplicate				
Diieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Heptachlor Epoxide	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
alpha-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
alpha-Chlordane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
beta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
delta-BHC	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-BHC(Lindane)	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
gamma-Chlordane	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
METALS - UNFILTERED	CRDL(mg/L)				
Aluminum	200	663 J	627 J	16200 J	25100 J
Antimony	60	21.8 U	11 U	17 U	17 U
Arsenic	10	2 U	2.7 U	4 U	4 U
Barium	200	7.7 U	26.0	88.3	123
Beryllium	5	1 U	1 U	3.1	2.0
Cadmium	5	2.2 U	3.0 U	3 U	3 U
Calcium	5000	1020	8460	7460	9240
Chromium	10	4.1 U	2.6 U	15.3	30.6
Cobalt	50	3.9 U	7.8 U	12.6	19.6
Copper	25	3 U	5.6 U	59.2	91.7
Iron	100	794 J	73600 J	26400 J	41600 J
Lead	3	3.2 U	5.2 U	49.3 J	94.4
Magnesium	5000	887	4030	5480	7760
Manganese	15	44.0	3850	1150 J	1650 J
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	5.4	5.4	18.6	28.4
Potassium	5000	499	3390	4120	5820
Selenium	5	4.0 UJ	4.0 UJ	4 U	4 U
Silver	10	2 U	2 U	4 U	4 U
Sodium	5000	3040	4740	6020	6860

GROUNDWATER - JUNE 1991 (06/20/91-06/27/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MM-I SHALLOW OVERBURDEN	MM-II SHALLOW OVERBURDEN	MM-III SHALLOW OVERBURDEN	MM-III SHALLOW OVERBURDEN	MM-IV SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	EMW-01-0-NX-06-20-G-004 06/20/91	EMW-02-0-NX-06-20-G-005 06/20/91	EMW-03-0-FD-06-26-G-018 06/26/91	EMW-03-0-NX-06-26-G-006 06/26/91	EMW-04-0-NX-06-26-G-007 06/26/91

REMARKS:

Field Duplicate

Thallium	10	3.0 UJ	3.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	3.6 U	2.5 U	22.5	33.2
Zinc	20	28.9 U	32.5	104 J	171 J
METALS - FILTERED					
Aluminum	200	27 U	27 U	50.5 U	55.5 U
Antimony	60	17 U	17 U	11 U	11 U
Arsenic	10	4 U	4 U	4 U	4 U
Barium	200	3.7 U	21.5	14.3	15.1
Beryllium	5	1 U	1.6 U	1 U	1 U
Cadmium	5	3 U	3 U	1.8 U	1.6 U
Calcium	5000	1060 U	8210	6080	6220
Chromium	10	7 U	7 U	2.0 U	2 U
Cobalt	50	4 U	5.0	2 U	2 U
Copper	25	11 U	11 U	3 U	3 U
Iron	100	18 U	64300 J	28.4 U	13.8 U
Lead	3	2.3 U	55.4 U	6.4 U	4.2 U
Magnesium	5000	716	3940	2040	2060
Manganese	15	9 U	3780 J	519	529
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	6 U	6 U	4 U	4 U
Potassium	5000	260	3370	669	729
Selenium	5	4 U	4.0 UJ	4 U	4 U
Silver	10	4 U	4 U	2 U	2 U
Sodium	5000	3410	6030	5220	5510
Thallium	10	1.0 UJ	1.0 UJ	1 U	1 U
Vanadium	50	3 U	4.6 U	2 U	2 U
Zinc	20	8 U	39.1	53.8 U	66.6

WATER QUALITY PARAMETERS

SULFIDE	CRDL (mg/L)	2.70	0.64	0.05 J	1.60 J
Sulfide	0.05				0.81
CYANIDE	CRDL (mg/L)	10.0 U	10.0 U	2 U	2 U
Cyanide	10				2 U

**MW-1 V
SHALLOW OVERBURDEN**

EMW-04-0-NX-06-26-1
06/26/91

Field Duplicate

2.3 WJ

10 u

15

6.82

195

LOCATION NAME: MW-V SHALLOW OVERBURDEN OM-25 DEEP OVERBURDEN OM-27 DEEP OVERBURDEN OM-30 DEEP OVERBURDEN
FLOW ZONE: EWM-05-0-NX-06-27-G-008 EWM-25-0-NX-06-27-G-001 EWM-27-0-NX-06-27-G-002 EWM-30-0-NX-06-27-G-003
M&E SAMPLE ID: 06/27/91 06/27/91 06/27/91 06/27/91
DATE SAMPLED:

REMARKS:

VOLATILE ORGANICS-CLP CRQL (ug/L)

1,1,1-Trichloroethane	5	5 U	5 U	5 U	34
1,1,2-Tetrachloroethane	5	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane	5	5 U	5 U	5 U	5 U
1,1-Dichloroethane	5	5 U	5 U	1 J	220 J
1,1-Dichloroethane	5	2 J	5 U	5 U	5 U
1,2-Dichloroethane	5	5 U	5 U	5 U	5 U
1,2-Dichloroethane(total)	5	5 U	3 J	13	730
1,2-Dichloropropane	5	5 U	3 J	5 U	2 J
2-Butanone	10	10 U	10 U	10 U	140
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	31
Acetone	10	10 U	10 U	24 U	49 U
Benzene	5	5 U	28	7	20
Bromodichloromethane	5	5 U	5 U	5 U	5 U
Bromoform	5	5 U	5 U	5 U	5 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	5	5 U	87	52	3 J
Carbon Tetrachloride	5	5 U	5 U	5 U	5 U
Chlorobenzene	5	5 U	13	2 J	5 U
Chloroethane	10	10 U	10 U	4 J	86
Chloroform	5	5 U	5 U	5 U	5 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	5	5 U	5 U	5 U	5 U
Ethylbenzene	5	5 U	72	25	17
Methylene Chloride	5	6 U	5 U	5 U	8 U
Styrene	5	5 U	5 U	5 U	5 U
Tetrachloroethene	5	5 U	5 U	5 U	5 U
Toluene	5	5 U	120	5 U	150
Total Xylenes	5	5 U	210	66	39
Trichloroethene	5	5 U	5 U	5 U	5 U
Vinyl Acetate	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	3 J	9 J	690 J
cis-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U
trans-1,3-Dichloropropene	5	5 U	5 U	5 U	5 U

SEMIVOLATILE ORGANICS CRQL (ug/L)

1,2,4-Trichlorobenzene	10	10 U	10 U	10 U
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LOCATION NAME: FLOW ZONE:	MW-V SHALLOW OVERBURDEN	OW-25 DEEP OVERBURDEN	OW-27 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	EMW-05-0-NX-06-27-G-008 06/27/91	EMW-25-0-NX-06-27-G-001 06/27/91	EMW-27-0-NX-06-27-G-002 06/27/91	EMW-30-0-NX-06-27-G-003 06/27/91
REMARKS:				
1,2-Dichlorobenzene	10	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U
1,4-Dichlorobenzene	10	25	10 U	10 U
2,4,5-Trichlorophenol	50	50 U	50 U	R
2,4,6-Trichlorophenol	10	10 U	10 U	R
2,4-Dichlorophenol	10	10 U	10 U	R
2,4-Dimethylphenol	10	10 U	10 U	R
2,4-Dinitrophenol	50	50 U	50 U	R
2,4-Dinitrotoluene	10	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	R
2-Methylnaphthalene	10	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	R
2-Nitroaniline	50	50 U	50 U	50 U
2-Nitrophenol	10	10 U	10 U	R
3,3'-Dichlorobenzidine	20	20 U	20 U	20 U
3-Nitroaniline	50	50 UJ	50 UJ	50 UJ
4,6-Dinitro-2-methylphenol	50	50 U	50 U	R
4-Bromophenyl-phenylether	10	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	51 J
4-Nitroaniline	50	50 UJ	50 UJ	50 UJ
4-Nitrophenol	50	50 U	50 U	R
Acenaphthene	10	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U
Benzoic Acid	50	50 U	50 U	12 J
Benzyl Alcohol	10	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U

LOCATION NAME: FLOW ZONE:	MW-V SHALLOW OVERBURDEN	OW-25 DEEP OVERBURDEN	OW-27 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	EMW-05-0-NX-06-27-G-008 06/27/91	EMW-25-0-NX-06-27-G-001 06/27/91	EMW-27-0-NX-06-27-G-002 06/27/91	EMW-30-0-NX-06-27-G-003 06/27/91
REMARKS:				
Di-n-octylphthalate	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U
Pentachlorophenol	50 U	50 U	50 U	R
Phenanthrene	10 U	10 U	10 U	10 U
Phenol	10 U	10 U	10 U	R
Pyrene	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U
PESTICIDES/PCBs	CRQL(ug/L)			
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U	0.05 U
Aroclor-1016	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1221	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1232	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1242	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1248	0.50	0.50 U	0.50 U	0.50 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U

LOCATION NAME:		MW-V	OW-25	OW-27	OW-30
FLOW ZONE:		SHALLOW OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
WAE SAMPLE ID:		EMW-05-0-NX-06-27-G-008	EMW-25-0-NX-06-27-G-001	EMW-27-0-NX-06-27-G-002	EMW-30-0-NX-06-27-G-003
DATE SAMPLED:		06/27/91	06/27/91	06/27/91	06/27/91
REMARKS:					
		0.10 U	NA	0.10 U	0.10 U
Dieldrin	0.10	0.10 U	NA	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	NA	0.05 U	0.05 U
Endosulfan II	0.10	0.10 U	NA	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	NA	0.10 U	0.10 U
Endrin	0.10	0.10 U	NA	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	NA	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	NA	0.05 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	NA	0.05 U	0.05 U
Methoxychlor	0.50	0.50 U	NA	0.50 U	0.50 U
Toxephene	1.0	1.0 U	NA	1.0 U	1.0 U
alpha-BHC	0.05	0.05 U	NA	0.05 U	0.05 U
alpha-Chlordane	0.50	0.50 U	NA	0.50 U	0.50 U
beta-BHC	0.05	0.05 U	NA	0.05 U	0.05 U
delta-BHC	0.05	0.05 U	NA	0.05 U	0.05 U
gamma-BHC(Lindane)	0.05	0.05 U	NA	0.05 U	0.05 U
gamma-Chlordane	0.50	0.50 U	NA	0.50 U	0.50 U
METALS - UNFILTERED					
	CRDL(mg/L)				
Aluminum	200	2570 J	22700 J	21400 J	917 J
Antimony	60	17 U	17.7 U	23.3 U	17 U
Arsenic	10	R	8.6 J	4.8 J	R
Barium	200	20.5	217	238	52.6 J
Beryllium	5	2.7 U	4.3 U	4.3 U	1.6 U
Cadmium	5	3 U	3 U	40.0 J	3 U
Calcium	5000	3340	168000	84000	56800
Chromium	10	7 U	62.5 J	44.8 J	7 U
Cobalt	50	4 U	29.4	33.1	4 U
Copper	25	11 U	107	49.4 U	11 U
Iron	100	4050 J	123000 J	157000 J	114000 J
Lead	3	5.9 U	181 J	173 J	4.2 U
Magnesium	5000	1350	62000	5990	6200
Manganese	15	132 J	1620 J	1020 J	2970 J
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	8.4 U	67.9	79.0	6 U
Potassium	5000	1580	170000	9770	12000
Selenium	5	R	R	R	R
Silver	10	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ
Sodium	5000	5450	501000	8910 J	11400

LOCATION NAME:

FLOW ZONE:

MW-V

SHALLOW OVERBURDEN

OM-25

DEEP OVERBURDEN

OM-27

DEEP OVERBURDEN

OM-30

DEEP OVERBURDEN

M&E SAMPLE ID:

DATE SAMPLED:

EMW-05-0-NX-06-27-G-008
06/27/91EOM-25-0-NX-06-27-G-001
06/27/91EOM-27-0-NX-06-27-G-002
06/27/91EOM-30-0-NX-06-27-G-003
06/27/91

REMARKS:

Thallium	10	1 U	10.0 U	1 U	1 U
Vanadium	50	4.2 U	45.2	36.7	9.6 U
Zinc	20	38.1 U	645 J	5980 J	R

METALS - FILTERED

CRDL(ug/L)

Aluminum	200	24.6 U	64.4 U	25.2 U	29.4 U
Antimony	60	11 U	19.4	11 U	11 U
Arsenic	10	4 U	4 U	4 U	4 U
Barium	200	7.2 U	87.9	69.5	47.5 J
Beryllium	5	1 U	1 U	1 U	1 U
Cadmium	5	1 U	2.5 U	1 U	R
Calcium	5000	3420	137000	73800	59800
Chromium	10	2 U	2 U	2 U	2.0 UJ
Cobalt	50	2 U	4.9 U	2 U	3.7 UJ
Copper	25	3 U	3 U	3 U	3 U
Iron	100	34.6 U	20800	93400	115000
Lead	3	1.2 U	1.3 U	1.7 U	1.8 U
Magnesium	5000	951	59800	3070	6210
Manganese	15	7.5 U	191	619	2850 J
Mercury	0.2	0.2 U	0.63	0.2 U	0.2 U
Nickel	40	4 U	9.2	4 U	4 U
Potassium	5000	718	171000	5780	11900
Selenium	5	4 U	4 U	4 U	4 U
Silver	10	2 U	2 U	2 U	2 U
Sodium	5000	6300	540000	10200	13100 J
Thallium	10	3.0 UJ	15.0 UJ	3.0 UJ	3.0 UJ
Vanadium	50	2 U	2 U	2 U	2 U
Zinc	20	11.8 U	43.9	19.2	R

WATER QUALITY PARAMETERS

CRDL(mg/L)

SULFIDE					
Sulfide	0.05	2.40	1.70	3.30	1.70
CYANIDE					
Cyanide	10	10.0 U	NA	10.0 U	10.0 U

LOCATION NAME:		MW-V	OW-25	OW-27	OW-30
FLOW ZONE:		SHALLOW OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
HSE SAMPLE ID:		EMW-05-0-NX-06-27-G-008	EMW-25-0-NX-06-27-G-001	EMW-27-0-NX-06-27-G-002	EMW-30-0-NX-06-27-G-003
DATE SAMPLED:		06/27/91	06/27/91	06/27/91	06/27/91
REMARKS:					

TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	1.0	1.0 UJ	NA	24 J	65 J
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	2.4	2.4 U	NA	10 U	120
OTHER					
Hardness	(mg/L)	14	675	234	167
pH	--	7.11	6.64	6.58	6.80
Specific Conductance	(umhos)	140	5600	810	750

GROUNDWATER (MONITORING WELLS) - SEPTEMBER/OCTOBER 1991

LOCATION NAME:	MW-01-01	MW-01-02	MW-02-01	MW-02-01	MW-02-02
FLOW ZONE:	SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-181-2	NMW-01-02-NX-G-182-2	NMW-02-01-FD-G-318-2	NMW-02-01-NX-G-183-2	NMW-02-02-NX-G-184-2
DATE SAMPLED:	10/01/91	10/02/91	10/08/91	10/08/91	10/08/91
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP	CRQL(ug/L)	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane(total)	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U	10 U
Benzene	10	10 U	10 U	10 U	64 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethane	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U
Trichloroethane	10	3 J	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)	50 U	50 UJ	73 UJ	50 UJ
Acetonitrile	50				

LOCATION NAME:		MMJ-01-01	MMJ-01-02	MMJ-02-01	MMJ-02-01	MMJ-02-02
FLOW ZONE:		SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:		MMJ-01-01-NX-G-181-2	MMJ-01-02-NX-G-182-2	MMJ-02-01-FD-G-318-2	MMJ-02-01-NX-G-183-2	MMJ-02-02-NX-G-184-2
DATE SAMPLED:		10/01/91	10/02/91	10/08/91	10/08/91	10/08/91
REMARKS:						
Field Duplicate						
Acrylamide	200	200 U	200 U	R	R	200 UJ
Acrylonitrile	50	50 UJ	50 U	50 UJ	50 UJ	50 UJ
Ethyl Urethane	100	100 U	100 U	100 UJ	100 UJ	100 UJ
N,N-DMF	50	50 U	50 U	50 UJ	50 UJ	50 UJ
Urethane	1000	1000 U	1000 U	1000 UJ	1000 UJ	1000 UJ
SEMIVOLATILE ORGANICS						
	CRQL (ug/L)					
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropene)	10	10 U	10 U	NA	NA	NA
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 UJ	10 UJ	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 UJ	25 UJ	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U

LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-02-01 SHALLOW OVERBURDEN	MW-02-01 SHALLOW OVERBURDEN	MW-02-02 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-01-01-NX-G-181-2 10/01/91	NMW-01-02-NX-G-182-2 10/02/91	NMW-02-01-FD-G-318-2 10/08/91	NMW-02-01-NX-G-183-2 10/08/91	NMW-02-02-NX-G-184-2 10/08/91

REMARKS:

Field Duplicate

Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl) ether	10	NA	10 U	10 U	10 U
Bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U

PESTICIDES/PCBs

CRQL (ug/L)

4,4'-DDD	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
4,4'-DDE	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ

LOCATION NAME: FLOW ZONE:		MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-02-01 SHALLOW OVERBURDEN	MW-02-01 SHALLOW OVERBURDEN	MW-02-02 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		NMW-01-01-NX-G-181-2 10/01/91	NMW-01-02-NX-G-182-2 10/02/91	NMW-02-01-FD-G-318-2 10/08/91	NMW-02-01-NX-G-183-2 10/08/91	NMW-02-02-NX-G-184-2 10/08/91
REMARKS:						
Field Duplicate						
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Aldrin	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Dieldrin	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endosulfan I	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Endosulfan II	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Heptachlor	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Methoxychlor	0.50	0.50 U	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
Toxaphene	5.0	5.0 U	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
alpha-BHC	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
alpha-Chlordane	0.05	0.050 U	0.050 U	0.0026 J	0.0023 J	0.050 UJ
beta-BHC	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
delta-BHC	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
METALS - UNFILTERED						
Aluminum	200	19700 J	201 J	53500	57700	2340
Antimony	60	25 U	25 U	60.5	87.8	47 U
Arsenic	10	1.1	1 U	2.0 UJ	2.0 UJ	2.0 UJ
Barium	200	113	7.0 U	252	279	17.8 U
Beryllium	5	3.0 U	1 U	10.6 UJ	11.1 UJ	1.0 UJ
Cadmium	5	3 U	3 U	3.0 UJ	3.0 UJ	3.0 UJ
Calcium	5000	15600	17200	12100	12500	9550
Chromium	10	28.9 U	8 U	53.6 J	55.4 J	10.2 UJ
Cobalt	50	27.7	6 U	57.9 U	61.3 U	51.1 U
Copper	25	51.0 U	4 U	95.4	96.0	30.9 U

LOCATION NAME: MW-01-01 SHALLOW OVERBURDEN MW-01-02 BEDROCK MW-02-01 SHALLOW OVERBURDEN MW-02-02 DEEP OVERBURDEN
FLOW ZONE: MW-01-01 SHALLOW OVERBURDEN MW-01-02 BEDROCK MW-02-01 SHALLOW OVERBURDEN MW-02-02 DEEP OVERBURDEN
M&E SAMPLE ID: MW-01-01-NX-G-181-2 MW-01-02-NX-G-182-2 MW-02-01-NX-G-183-2 MW-02-02-NX-G-184-2
DATE SAMPLED: 10/01/91 10/02/91 10/08/91 10/08/91

REMARKS:

Field Duplicate

Iron	100	31500	7630 UJ	114000	122000	4750
Lead	3	23.6	2.1 UJ	72.8	92.0	4.7 U
Magnesium	5000	3770	1670	13200	14300	1740
Manganese	15	4080	54.5 J	5230	5780	731
Mercury	0.2	0.2 U	0.2 U	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	23.3	16 U	80.7 U	87.4	36.3 U
Potassium	5000	8310	1570	12700	13300	1890 U
Selenium	5	1.0 UJ	1.0 UJ	R	R	R
Silver	10	3 U	3 U	4.0 UJ	4.0 UJ	4.0 UJ
Sodium	5000	15400	8190	7260	7320	8140
Thallium	10	1 U	1.0 UJ	4 U	4 U	4 U
Vanadium	50	15.9	3 U	99.9	102	6.5
Zinc	20	77.3 U	13.6 U	343 J	381	19.0 UJ

METALS - FILTERED

CRDL (ug/L)

Aluminum	200	47.1 U	165 J	61.9 U	23.5 U	19.6 U
Antimony	60	25 U	25 U	14 U	14 U	14 U
Arsenic	10	1 U	1 U	2 U	2 U	2.0 UJ
Barium	200	15.9	3.9 U	6.9 U	8.9 U	2.5 U
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	1 U	1 U	1 U
Calcium	5000	11000	17300	9030	9280	9620
Chromium	10	8 U	8 U	2 U	2 U	2 U
Cobalt	50	12.8	6 U	4.2 U	2.4 U	34.0 U
Copper	25	5.4 U	11.6	2 U	2 U	2 U
Iron	100	3150 J	83.7 UJ	2710 J	5230 J	262 J
Lead	3	2.6 U	2.7 UJ	1.4 U	2.3 U	1.3 U
Magnesium	5000	1890	1750	2490	2450	1460
Manganese	15	3560 J	10.9 UJ	1470 J	2140 J	630 J
Mercury	0.2	0.2 U	0.2 U	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	16 U	16 U	5 U	5.0 U	23.1
Potassium	5000	3930	1740	1640 U	1600 U	1310 U
Selenium	5	1 U	1.0 UJ	R	R	R
Silver	10	3 U	3 U	5 U	5 U	5 U
Sodium	5000	15400	8280	5230 U	5350 U	7940
Thallium	10	1 U	1.0 UJ	1 U	1 U	1.0 UJ
Vanadium	50	3 U	3 U	2 U	2 U	2 U
Zinc	20	12.2 U	26.2 U	6.5 J	6.9 J	8.4 J

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:		MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-02-01 SHALLOW OVERBURDEN	MW-02-01 SHALLOW OVERBURDEN	MW-02-02 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		NMW-01-01-NX-G-181-2 10/01/91	NMW-01-02-NX-G-182-2 10/02/91	NMW-02-01-FD-G-318-2 10/08/91	NMW-02-01-NX-G-183-2 10/08/91	NMW-02-02-NX-G-184-2 10/08/91
REMARKS:		Field Duplicate				

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)					
Sulfide	0.05	2.4 U	0.4 U	0.4 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL(mg/L)					
Cyanide	10	10 U	10.0 UJ	10.0 UJ	10.0 UJ	10.0 UJ
TOTAL ORGANIC CARBON	QL(mg/L)					
Total Organic Carbon	0.5	19.0 J	1.7 UJ	70.0	57.8	2.7 U
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)					
Biochemical Oxygen Demand	1.0	3.9 U	1.3 UJ	3.0 UJ	2.1 UJ	1.0 U
OTHER						
Hardness	(mg/L)	54	50	85	90	31
pH	--	6.21	7.1	NA	6.64	7.26
Specific Conductance	(umhos/cm)	200	110	NA	50	80

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-03-01	MW-03-02	MW-03-03	MW-03-03	MW-04-01
FLOW ZONE:	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK	BEDROCK	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-03-01-NX-G-185-2	NMW-03-02-NX-G-186-2	NMW-03-03-FD-G-320-2	NMW-03-03-NX-G-187-2	NMW-04-01-NX-G-188-2
DATE SAMPLED:	10/02/91	10/02/91	10/03/91	10/03/91	10/03/91
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP CRQL (ug/L)

1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	1 J	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	27 J	10 U
Benzene	10	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	3 J	10 U	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	1 J	1 J	10 U
Total Xylenes	10	4 J	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS QL(ug/L)

Acetonitrile	50	50 U	50 UJ	50 UJ	50 UJ
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LOCATION NAME: FLOW ZONE:	MW-03-01 SHALLOW OVERBURDEN	MW-03-02 DEEP OVERBURDEN	MW-03-03 BEDROCK	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN
M&E SAMPLE ID:	MW-03-01-NX-G-185-2	MW-03-02-NX-G-186-2	MW-03-03-FD-G-320-2	MW-03-03-NX-G-187-2	MW-04-01-NX-G-188-2
DATE SAMPLED:	10/02/91	10/02/91	10/03/91	10/03/91	10/03/91
REMARKS:	Field Duplicate				
	200 U	200 U	200 UJ	200 UJ	200 UJ
Acrylamide	50 U	50 U	50 UJ	50 UJ	50 UJ
Acrylonitrile	100 U	100 U	100 UJ	100 UJ	100 UJ
Ethyl Urethane	50	50 U	50 UJ	50 UJ	50 UJ
N,N-DHF	183				
Urethane	1000 U	1000 U	1000 UJ	1000 UJ	1000 UJ
SEMIVOLATILE ORGANICS					
	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 UJ	10 UJ	10 UJ
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:		MW-03-01	MW-03-02	MW-03-03	MW-03-03	MW-04-01
FLOW ZONE:		SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK	BEDROCK	SHALLOW OVERBURDEN
M&E SAMPLE ID:		NMW-03-01-NX-G-185-2	NMW-03-02-NX-G-186-2	NMW-03-03-FD-G-320-2	NMW-03-03-NX-G-187-2	NMW-04-01-NX-G-188-2
DATE SAMPLED:		10/02/91	10/02/91	10/03/91	10/03/91	10/03/91
REMARKS:		Field Duplicate				
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	13 U	12 U	10 U
PESTICIDES/PCBs		CRQL (ug/L)				
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MM-03-01 SHALLOW OVERBURDEN	MM-03-02 DEEP OVERBURDEN	MM-03-03 BEDROCK	MM-03-03 BEDROCK	MM-04-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MMW-03-01-NX-G-185-2 10/02/91	MMW-03-02-NX-G-186-2 10/02/91	MMW-03-03-FD-G-320-2 10/03/91	MMW-03-03-NX-G-187-2 10/03/91	MMW-04-01-NX-G-188-2 10/03/91
REMARKS:	Field Duplicate				
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen I	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfen II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U

CRDL(mg/L)

METALS - UNFILTERED

Aluminum	12700	1790	223 U	155 U	24300
Antimony	200	25 U	25 U	25 U	25 U
Arsenic	60	1 U	1 U	1.6	1.7
Barium	200	16.2 U	9.1	9.1	244
Beryllium	5	1 U	1 U	1 U	4.4 U
Cadmium	5	3 U	3 U	3 U	3 U
Calcium	5000	9620	8500 J	8420 J	20600 J
Chromium	10	19.2	12.1	8 U	22.2
Cobalt	50	6 U	6 U	6 U	23.4
Copper	25	18.5	28.9 UJ	21.9 UJ	66.1 UJ

LOCATION NAME: MW-03-01 SHALLOW OVERBURDEN MW-03-02 DEEP OVERBURDEN MW-03-03 BEDROCK MW-03-03 BEDROCK MW-04-01 SHALLOW OVERBURDEN
FLOW ZONE: MW-03-01 SHALLOW OVERBURDEN MW-03-02 DEEP OVERBURDEN MW-03-03 BEDROCK MW-03-03 BEDROCK MW-04-01 SHALLOW OVERBURDEN
N&E SAMPLE ID: NMW-03-01-NX-G-185-2 NMW-03-02-NX-G-186-2 NMW-03-03-FD-G-320-2 NMW-03-03-NX-G-187-2 NMW-04-01-NX-G-188-2
DATE SAMPLED: 10/02/91 10/02/91 10/03/91 10/03/91 10/03/91

REMARKS:

Field Duplicate

Iron	100	24000	1920 J	5080 J	5210 UJ	51400
Lead	3	10.8 U	4.5 UJ	7.6 UJ	5.7 UJ	27.8 U
Magnesium	5000	8290	1560	1140 J	1140 J	4000 J
Manganese	15	3000	2270 J	42.9 J	43.6 J	9790
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	16 U	35.4	16 U	16 U	21.4
Potassium	5000	18200	2870	2340 U	1830 U	5410
Selenium	5	1.0 UJ	1.0 UJ	1.3 U	1 U	1.0 UJ
Silver	10	3 U	3 U	3 U	3 U	3 U
Sodium	5000	33000	9490	12700	12700	12800
Thallium	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	13.7	3 U	3 U	3 U	30.2
Zinc	20	65.4 U	103	88.5 J	109 UJ	133 J

METALS - FILTERED

CRDL(ug/L)

Aluminum	200	63.5 U	132 J	13 U	28.3 U	124 U
Antimony	60	25 U	25 U	25 U	25 U	34.1
Arsenic	10	1 U	1 U	1 U	1 U	1.2 J
Barium	200	55.6	5.0 U	5.0	5.0	24.6
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U
Calcium	5000	21300	9550	8570 J	8140 J	17200 J
Chromium	10	8 U	8 U	8 U	8 U	8 U
Cobalt	50	8.3	6 U	6 U	6 U	6 U
Copper	25	22.1 U	26.3	4.4 UJ	18.3 UJ	9.4 UJ
Iron	100	13400 J	141 UJ	6.0 UJ	8.3 UJ	15500
Lead	3	1 U	2.9 UJ	1.0 UJ	3.8 UJ	1.9 U
Magnesium	5000	5270	1460	1130 J	1050 J	1980 J
Manganese	15	2350 J	2110 J	2.0 UJ	2.0 J	6660
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	16 U	27.2	16 U	16 U	16 U
Potassium	5000	11700	2280	1970 U	1710 U	2260 U
Selenium	5	1 U	1.0 UJ	1 U	1 U	1 U
Silver	10	3 U	3 U	3 U	3 U	3 U
Sodium	5000	27100	9030	12700	12200	11500
Thallium	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	3 U	3 U	3 U	3 U	3 U
Zinc	20	22.4 U	81.5 U	6.0 UJ	23.7 UJ	17.6 UJ

LOCATION NAME: FLOW ZONE:	MW-03-01 SHALLOW OVERBURDEN	MW-03-02 DEEP OVERBURDEN	MW-03-03 BEDROCK	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-03-01-NX-G-185-2 10/02/91	NMW-03-02-NX-G-186-2 10/02/91	NMW-03-03-FD-G-320-2 10/03/91	NMW-03-03-NX-G-187-2 10/03/91	NMW-04-01-NX-G-188-2 10/03/91
REMARKS:	Field Duplicate				

WATER QUALITY PARAMETERS

SULFIDE	CRQL (mg/L)				
Sulfide	0.05	0.4 UJ	1.2 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL (mg/L)				
Cyanide	10	10 U	10.0 UJ	10 U	10 U
TOTAL ORGANIC CARBON	QL (mg/L)				
Total Organic Carbon	0.5	12.9	0.7 UJ	2.5 UJ	26.1 J
BIOCHEMICAL OXYGEN DEMAND	QL (mg/L)				
Biochemical Oxygen Demand	1.0	6.0 UJ	1.0 U	1.0 U	2.9 U
OTHER					
Hardness	(mg/L)	122	30	26 J	68 J
pH	--	6.7	7.19	NA	6.9
Specific Conductance	(umhos/cm)	440	800	NA	290

LOCATION NAME:	MW-04-02	MW-04-03	MW-05-01	MW-05-02	MW-06-01
FLOW ZONE:	DEEP OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	MMW-04-02-NX-G-189-2	MMW-04-03-NX-G-190-2	MMW-05-01-NX-G-191-2	MMW-05-02-NX-G-192-2	MMW-06-01-NX-G-193-2
DATE SAMPLED:	10/03/91	10/07/91	10/07/91	10/07/91	10/04/91

REMARKS:

VOLATILE ORGANICS-CLP CRCL(ug/L)

1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	2 J	7 J	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10	10 U	1 J	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	130	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	3 J	10 U	10 U	10 U
Acetone	10	120	15 U	10 U	10 U
Benzene	10	5 J	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	48 J	8 J	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	12 J	1 J	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	1 J	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	10 J	4 J	10 U	10 U
Trichloroethene	10	10 U	3 J	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS QL(ug/L)

Acetonitrile	50	50 UJ	108 UJ	101 UJ	50 UJ
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LOCATION NAME: FLOW ZONE:	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-04-02-NX-G-189-2 10/03/91	NMW-04-03-NX-G-190-2 10/07/91	NMW-05-01-NX-G-191-2 10/07/91	NMW-05-02-NX-G-192-2 10/07/91	NMW-06-01-NX-G-193-2 10/04/91
REMARKS:					
	200	200 UJ	200 UJ	200 UJ	200 U
Acrylonitrile	50	50 UJ	50 UJ	R	50 U
Ethyl Urethane	100	100 UJ	100 UJ	100 UJ	100 U
N,N-DMF	50	537 J	50 UJ	50 UJ	50 U
Urethane	1000	1000 UJ	1000 UJ	1000 UJ	1000 U
SEMI-VOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 UJ	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 UJ	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 UJ	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 UJ	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	NA	NA	NA	NA
2,4,5-Trichlorophenol	25	25 U	25 UJ	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 UJ	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 UJ	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 UJ	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 UJ	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 UJ	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 UJ	10 U	10 U
2-Chloronaphthalene	10	10 U	10 UJ	10 U	10 U
2-Chlorophenol	10	10 U	10 UJ	10 U	10 U
2-Methylnaphthalene	10	10 U	10 UJ	10 U	10 U
2-Methylphenol	10	10 U	10 UJ	10 U	10 U
2-Nitroaniline	25	25 U	25 UJ	25 U	25 U
2-Nitrophenol	10	10 U	10 UJ	10 U	10 U
3,3'-Dichlorobenzidine	10	10 UJ	10 UJ	10 UJ	10 U
3-Nitroaniline	25	25 U	25 UJ	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 UJ	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 UJ	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 UJ	10 U	10 U
4-Chloroaniline	10	10 UJ	10 UJ	10 UJ	10 U
4-Chlorophenyl-phenylether	10	10 U	10 UJ	10 U	10 U
4-Methylphenol	10	1 J	10 UJ	10 U	10 U
4-Nitroaniline	25	25 U	25 UJ	25 U	25 U
4-Nitrophenol	25	25 U	25 UJ	25 U	25 U
Acenaphthene	10	10 U	10 UJ	10 U	10 U
Acenaphthylene	10	10 U	10 UJ	10 U	10 U
Anthracene	10	10 U	10 UJ	10 U	10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-04-02-NX-G-189-2 10/03/91	NMW-04-03-NX-G-190-2 10/07/91	NMW-05-01-NX-G-191-2 10/07/91	NMW-05-02-NX-G-192-2 10/07/91	NMW-06-01-NX-G-193-2 10/04/91
REMARKS:					
Benzo(a)anthracene	10 U	10 U	10 UJ	10 U	10 U
Benzo(a)pyrene	10 U	10 U	10 UJ	10 U	10 U
Benzo(b)fluoranthene	10 U	10 U	10 UJ	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 UJ	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 UJ	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 UJ	10 U	10 U
Carbazole	10 U	10 U	10 UJ	10 U	10 U
Chrysene	10 U	10 U	10 UJ	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 UJ	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 UJ	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 UJ	10 U	10 U
Dibenzofuran	10 U	10 U	10 UJ	10 U	10 U
Diethylphthalate	10 U	10 U	10 UJ	10 U	10 U
Dimethylphthalate	10 U	10 U	10 UJ	10 U	10 U
Fluoranthene	10 U	10 U	10 UJ	10 U	10 U
Fluorene	10 U	10 U	10 UJ	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 UJ	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 UJ	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 UJ	10 U	10 U
Hexachloroethane	10 U	10 U	10 UJ	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 UJ	10 U	10 U
Isophorone	10 U	10 U	10 UJ	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 UJ	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 UJ	10 U	10 U
Naphthalene	1 J	10 U	10 UJ	10 U	10 U
Nitrobenzene	10 U	10 U	10 UJ	10 U	10 U
Pentachlorophenol	25 U	25 U	25 UJ	25 U	25 U
Phenanthrene	10 U	10 U	10 UJ	10 U	10 U
Phenol	10 U	5 J	10 UJ	10 U	10 U
Pyrene	10 U	10 U	10 UJ	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 UJ	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 UJ	10 U	10 U
bis(2-Chloroisopropyl) ether	10 U	10 U	10 UJ	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	36	10 UJ	10 U	10 U
PESTICIDES/PCBs	CRQL(ug/L)				
4,4'-DDD	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
4,4'-DDE	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MW-04-02-NX-G-189-2 10/03/91	MW-04-03-NX-G-190-2 10/07/91	MW-05-01-NX-G-191-2 10/07/91	MW-05-02-NX-G-192-2 10/07/91	MW-06-01-NX-G-193-2 10/04/91
REMARKS:					
4,4'-DDT	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Aldrin	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
Aroclor-1016	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Aroclor-1221	2.0	2.1 UJ	2.0 UJ	2.0 UJ	2.0 U
Aroclor-1232	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Aroclor-1242	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Aroclor-1248	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Aroclor-1254	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Aroclor-1260	1.0	1.1 UJ	1.0 UJ	1.0 UJ	1.0 U
Dieldrin	0.10	0.0035 J	0.24 J	1.0 UJ	1.0 U
Endosulfan I	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
Endosulfan II	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Endosulfan Sulfate	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Endrin	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Endrin Aldehyde	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Endrin Ketone	0.10	0.11 UJ	0.10 UJ	0.10 UJ	0.10 U
Heptachlor	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
Heptachlor Epoxide	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
Methoxychlor	0.50	0.53 UJ	0.50 UJ	0.50 UJ	0.50 U
Toxaphene	5.0	5.3 UJ	5.0 UJ	5.0 UJ	5.0 U
alpha-BHC	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
alpha-Chlordane	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
beta-BHC	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
delta-BHC	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U
gamma-BHC(Lindane)	0.05	0.0057 J	0.050 UJ	0.050 UJ	0.050 U
gamma-Chlordane	0.05	0.053 UJ	0.050 UJ	0.050 UJ	0.050 U

CRDL(mg/L)

METALS - UNFILTERED

Aluminum	200	2680 J	18600	12700	1390 J
Antimony	60	25 U	47 U	47 U	25 U
Arsenic	10	1.5	2.0 UJ	2.0 UJ	1 U
Barium	200	144	67.5	67.5	56.5
Beryllium	5	1 U	2.1 UJ	2.6 UJ	1 U
Cadmium	5	3 U	3.0 UJ	3.0 UJ	3 U
Calcium	5000	30000 J	6080	7970	6260
Chromium	10	17.5	24.0 UJ	8.3 UJ	12.4 U
Cobalt	50	15.1	10.2 U	13.6 U	6 U
Copper	25	46.6 UJ	104	68.7	9.8 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-04-02-NX-G-189-2 10/03/91	NMW-04-03-NX-G-190-2 10/07/91	NMW-05-01-NX-G-191-2 10/07/91	NMW-05-02-NX-G-192-2 10/07/91	NMW-06-01-NX-G-193-2 10/04/91
REMARKS:					
Iron	100	2490	29700	14700	3640
Lead	3	3.9 U	32.8	7.9 U	2.7 U
Magnesium	5000	11400 J	5230	5500	2140
Manganese	15	658	756	709	261
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.2 U
Nickel	40	26.8	28.2 U	25.6 U	16 U
Potassium	5000	13800	4440	5480	17700
Selenium	5	1.0 UJ	R	R	1.0 UJ
Silver	10	3 U	4.0 UJ	4.0 UJ	3 U
Sodium	5000	44900	8600	9430	19900
Thallium	10	1.0 UJ	4.0 UJ	4 U	1.0 UJ
Vanadium	50	3 U	29.7	14.0	3 U
Zinc	20	41.3 UJ	65.5 U	67.3 U	27.5 UJ
METALS - FILTERED					
Aluminum	200	27.6 U	17.0 U	22.9 U	96.8 UJ
Antimony	60	14 U	14 U	14 U	25 U
Arsenic	10	2 U	2 U	2.0 UJ	1 U
Barium	200	3.1 U	1.4 U	1.7 U	48.2
Beryllium	5	1 U	1 U	1 U	1 U
Cadmium	5	1 U	1 U	1 U	3 U
Calcium	5000	46500	5050	6150	5890
Chromium	10	2 U	2 U	2 U	8 U
Cobalt	50	2.1 U	2 U	2.7 U	6 U
Copper	25	5.0 U	2 U	4.7 U	9.8 U
Iron	100	55.8 UJ	7.0 UJ	27.8 UJ	1430 J
Lead	3	1.9 U	1.6 U	1 U	1 U
Magnesium	5000	4240	1610	1910	1830
Manganese	15	603 J	38.1 J	27.4 UJ	237 J
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.2 U
Nickel	40	5.0	5 U	10.0	16 U
Potassium	5000	1760 U	890 U	935 U	17600
Selenium	5	R	R	R	1.0 UJ
Silver	10	5 U	5 U	5 U	3 U
Sodium	5000	16200	7900	8380	20000
Thallium	10	1.0 UJ	1.0 UJ	1 U	1.0 UJ
Vanadium	50	3 U	2 U	2 U	3 U
Zinc	20	5.8 UJ	5 U	5.3 UJ	20.4 UJ

CRDL(ug/L)

LOCATION NAME:	MW-04-02	MW-04-03	MW-05-01	MW-05-02	MW-06-01
FLOW ZONE:	DEEP OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-04-02-NX-G-189-2	NMW-04-03-NX-G-190-2	NMW-05-01-NX-G-191-2	NMW-05-02-NX-G-192-2	NMW-06-01-NX-G-193-2
DATE SAMPLED:	10/03/91	10/07/91	10/07/91	10/07/91	10/04/91

REMARKS:

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)				
Sulfide	0.05	0.4 UJ	0.4 UJ	32 J	0.4 UJ
CYANIDE	CRDL(mg/L)				
Cyanide	10	10 U	10.0 UJ	10.0 UJ	10 U
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	15.8 J	7.8 J	7.3	8.5 J
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	6.6 U	1.3 UJ	1.0 U	4.0 J
OTHER					
Hardness	(mg/L)	122 J	133	37	24
pH	--	7.22	7.55	6.2	6.62
Specific Conductance	(umhos/cm)	1000	340	72	210

LOCATION NAME:	MW-06-02	MW-07-01	MW-07-02	MW-08-01	MW-08-02
FLOW ZONE:	DEEP OVERBURDEN	DEEP OVERBURDEN	BEDROCK	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:	NMW-06-02-NX-G-194-2	NMW-07-01-NX-G-192-2	NMW-07-02-NX-G-196-2	NMW-08-01-NX-G-197-2	NMW-08-02-NX-G-198-2
DATE SAMPLED:	10/04/91	10/04/91	10/08/91	10/07/91	10/07/91
REMARKS:					

VOLATILE ORGANICS-CLP

	CRQL (ug/L)				
1,1,1-Trichloroethane	10	10 U	3 J	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	16	24	10 U	10 U
1,1-Dichloroethane	10	10 U	2 J	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane(total)	10	5 J	79	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	44 U	15 U	37 U
Benzene	10	9 J	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	3 J	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	72	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	17	10 U	10 U	10 U
Methylene Chloride	10	23	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethane	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	11	2 J	10 U	10 U
Trichloroethane	10	49	1 J	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	8 J	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS

Acetonitrile	50	50 UJ	500 UJ	61 UJ	86 UJ
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GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN	MW-08-02 BEDROCK
M&E SAMPLE ID:	NMW-06-02-NX-G-194-2	NMW-07-01-NX-G-192-2	NMW-07-02-NX-G-196-2	NMW-08-01-NX-G-197-2	NMW-08-02-NX-G-198-2
DATE SAMPLED:	10/04/91	10/04/91	10/08/91	10/07/91	10/07/91
REMARKS:					
	200 UJ	200 U	2000 UJ	200 UJ	200 UJ
Acrylamide	50 UJ	50 U	500 UJ	50 UJ	50 UJ
Acrylonitrile	100 UJ	100 U	1000 UJ	100 UJ	100 UJ
Ethyl Urethane	50 UJ	50 U	1390 J	50 UJ	50 UJ
N,N-DMF	1000 UJ	1000 U	10000 UJ	1000 UJ	1000 UJ
SEMIVOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	2 J	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	2 J	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	NA	NA	NA	NA
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	0.9 J	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	1 J	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U

LOCATION NAME: MW-06-02 MW-07-01 MW-07-02 MW-08-01 MW-08-02
FLOW ZONE: DEEP OVERBURDEN DEEP OVERBURDEN BEDROCK DEEP OVERBURDEN BEDROCK
M&E SAMPLE ID: NMW-06-02-NX-G-194-2 NMW-07-01-NX-G-192-2 NMW-07-02-NX-G-196-2 NMW-08-01-NX-G-197-2 NMW-08-02-NX-G-198-2
DATE SAMPLED: 10/04/91 10/04/91 10/08/91 10/07/91 10/07/91

REMARKS:

Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	9 J	10 U	10 U	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	16 U	10 U	10 U

PESTICIDES/PCBs CRQL (ug/L)

4,4'-DDD	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
4,4'-DDE	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ

LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN	MW-08-02 BEDROCK
M&E SAMPLE ID: DATE SAMPLED:	MW-06-02-NX-G-194-2 10/04/91	MW-07-01-NX-G-192-2 10/04/91	MW-07-02-NX-G-196-2 10/08/91	MW-08-01-NX-G-197-2 10/07/91	MW-08-02-NX-G-198-2 10/07/91
REMARKS:					
4,4'-DDT	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Aldrin	0.05	0.050 U	0.003 J	0.050 UJ	0.050 UJ
Aroclor-1016	1.0	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1221	2.0	2.0 U	2.0 UJ	2.0 UJ	2.0 UJ
Aroclor-1232	1.0	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1242	1.0	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1248	1.0	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1254	1.0	1.0 U	1.0 UJ	1.0 UJ	1.0 UJ
Aroclor-1260	1.0	1.0 U	1.0 UJ	0.16 J	0.13 J
Dieldrin	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endosulfan I	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Endosulfan II	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endosulfan Sulfate	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin Aldehyde	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Endrin Ketone	0.10	0.10 U	0.10 UJ	0.10 UJ	0.10 UJ
Heptachlor	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Heptachlor Epoxide	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
Methoxychlor	0.50	0.50 U	0.50 UJ	0.50 UJ	0.50 UJ
Toxaphene	5.0	5.0 U	5.0 UJ	5.0 UJ	5.0 UJ
alpha-BHC	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
alpha-Chlordane	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
beta-BHC	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
delta-BHC	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
gamma-BHC(Lindane)	0.05	0.050 U	0.011 J	0.050 UJ	0.050 UJ
gamma-Chlordane	0.05	0.050 U	0.050 UJ	0.050 UJ	0.050 UJ
METALS - UNFILTERED					
Aluminum	200	96400 J	193 U	416 U	1410
Antimony	60	25 U	47 U	47 U	47.0 U
Arsenic	10	6.1	2.0 UJ	2.0 UJ	2.0 UJ
Barium	200	454	42.6	26.6	133
Beryllium	5	10.9	1.0 UJ	1.6 UJ	2.1 UJ
Cadmium	5	3.2 U	3.0 UJ	3.0 UJ	3.0 UJ
Calcium	5000	56400	88300	8700	27800
Chromium	10	38.7 U	103 J	6.0 UJ	6.0 UJ
Cobalt	50	14.0	10.2 U	10.2 U	8 U
Copper	25	94.1	19.6 U	5 U	9.0 U

CRDL(mg/L)

METALS - UNFILTERED

LOCATION NAME:		MM-06-02	MM-07-01	MM-07-02	MM-08-01	MM-08-02
FLOW ZONE:		DEEP OVERBURDEN	DEEP OVERBURDEN	BEDROCK	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:		NMW-06-02-NX-G-194-2	NMW-07-01-NX-G-192-2	NMW-07-02-NX-G-196-2	NMW-08-01-NX-G-197-2	NMW-08-02-NX-G-198-2
DATE SAMPLED:		10/04/91	10/04/91	10/08/91	10/07/91	10/07/91
REMARKS:						

Iron	100	59300	238000	213 U	8720	4830
Lead	3	6.5 U	95.1	4.5 U	2.6 U	3.6 U
Magnesium	5000	24800	25700	1360	2090	2100
Manganese	15	1880	4590	12.0 U	1590	1350
Mercury	0.2	0.2 U	0.2 U	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	20.6 U	125	14.8 U	12.1 U	9.4 U
Potassium	5000	45700	40200	102000	3160 U	5360
Selenium	5	1.0 UJ	10.0 UJ	R	R	R
Silver	10	3 U	3 U	6.3 UJ	4.0 UJ	4.0 UJ
Sodium	5000	108000	31600	53700	9770	10500
Thallium	10	10.0 UJ	1.0 UJ	20.0 UJ	4 U	4.0 UJ
Vanadium	50	10.8 U	127	9.8	5 U	5 U
Zinc	20	79.3 U	553	9.7 UJ	8.9 UJ	19.2 UJ

METALS - FILTERED		CRDL(ug/L)				
Aluminum	200	36.6 UJ	64.8 UJ	17.6 U	51.4 U	17.0 U
Antimony	60	25 U	25 U	14 U	14 U	14 U
Arsenic	10	1 U	2.4	2 U	2 U	2 U
Barium	200	217	53.9	40.3	25.3	108
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	1 U	1 U	1 U
Calcium	5000	67200	42400	88400	9230	27300
Chromium	10	8 U	8 U	94.3	2 U	2 U
Cobalt	50	6 U	6 U	2 U	2 U	2 U
Copper	25	6.6 U	R	2 U	2 U	2 U
Iron	100	47300 J	111000 J	7.0 UJ	7140 J	12.0 UJ
Lead	3	1.1 UJ	1 U	2.1 U	2.1 U	1.3 U
Magnesium	5000	22000	5780	404	2330	1750
Manganese	15	1470 J	1470 J	2.1 UJ	1630 J	369 J
Mercury	0.2	0.2 U	0.2 U	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	16 U	16 U	5 U	5 U	5 U
Potassium	5000	41800	17900	104000	3160 U	5260
Selenium	5	1.0 UJ	1.0 UJ	R	R	R
Silver	10	3 U	3 U	5 U	5 U	5 U
Sodium	5000	106000	23600	56300	9860	10400
Thallium	10	1.0 UJ	1.0 UJ	5.0 UJ	1 U	1.0 UJ
Vanadium	50	6.0 U	R	3.0	2 U	2 U
Zinc	20	19.5 UJ	39.5 UJ	5 U	7.0 UJ	5 U

LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN	MW-08-02 BEDROCK
W&E SAMPLE ID: DATE SAMPLED:	NMW-06-02-NX-G-194-2 10/04/91	NMW-07-01-NX-G-192-2 10/04/91	NMW-07-02-NX-G-196-2 10/08/91	NMW-08-01-NX-G-197-2 10/07/91	NMW-08-02-NX-G-198-2 10/07/91
REMARKS:					

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)				
Sulfide	0.05	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL(mg/L)				
Cyanide	10	10 U	10 U	10.0 UJ	10.0 UJ
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	25.0 J	41.2 J	6.9 U	2.3 U
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	11.0 J	23.5 J	1.1 U	1.3 U
OTHER					
Hardness	(mg/L)	273	247	226	78
pH	--	7	6.35	12.54	8.47
Specific Conductance	(umhos/cm)	1600	590	1200	210

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-09-01 DEEP OVERBURDEN	MW-10-01 DEEP OVERBURDEN	MW-11-01 SHALLOW OVERBURDEN	MW-11-02 DEEP OVERBURDEN	MW-11-03 BEDROCK
MLE SAMPLE ID: DATE SAMPLED:	NMW-09-01-NX-G-199-2 10/09/91	NMW-10-01-NX-G-200-2 10/08/91	NMW-11-01-NX-G-201-2 10/03/91	NMW-11-02-NX-G-202-2 10/04/91	NMW-11-03-NX-G-203-2 10/04/91

REMARKS:

VOLATILE ORGANICS-CLP CRQL (ug/L)

1,1,1-Trichloroethane	10	50 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	50 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	50 U	10 U	10 U	10 U
1,1-Dichloroethane	10	50 U	3 J	2 J	10 U
1,1-Dichloroethene	10	50 U	10 U	10 U	10 U
1,2-Dichloroethane	10	50 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	50 U	3 J	3 J	10 U
1,2-Dichloropropane	10	50 U	10 U	10 U	10 U
2-Butanone	10	50 U	10 U	10 U	10 U
2-Hexanone	10	50 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	50 U	10 U	10 U	10 U
Acetone	10	50 U	10 U	10 U	10 U
Benzene	10	50 U	13	9 J	10 U
Bromodichloromethane	10	50 U	10 U	10 U	10 U
Bromoform	10	50 U	10 U	10 U	10 U
Bromomethane	10	50 U	10 U	10 U	10 U
Carbon Disulfide	10	50 U	10 U	10 U	10 U
Carbon Tetrachloride	10	50 U	10 U	10 U	10 U
Chlorobenzene	10	50 U	10 U	5 J	10 U
Chloroethane	10	50 U	27	60	10 U
Chloroform	10	50 U	10 U	10 U	10 U
Chloromethane	10	50 U	10 U	10 U	10 U
Dibromochloromethane	10	50 U	10 U	10 U	10 U
Ethylbenzene	10	50 U	16	19	10 U
Methylene Chloride	10	50 U	10 U	10 U	10 U
Styrene	10	50 U	10 U	10 U	10 U
Tetrachloroethane	10	50 U	10 U	10 U	10 U
Toluene	10	50 U	1 J	1 J	10 U
Total Xylenes	10	50 U	5 J	11	10 U
Trichloroethene	10	50 U	10 U	10 U	10 U
Vinyl Chloride	10	50 U	5 J	10 U	10 U
cis-1,3-Dichloropropene	10	50 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	50 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS QL(ug/L)

Acetonitrile	50	142 UJ	50 UJ	50 UJ	50 UJ
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LOCATION NAME: FLOW ZONE:	MW-09-01 DEEP OVERBURDEN	MW-10-01 DEEP OVERBURDEN	MW-11-01 SHALLOW OVERBURDEN	MW-11-02 DEEP OVERBURDEN	MW-11-03 BEDROCK
M&E SAMPLE ID:	NMW-09-01-NX-G-199-2	NMW-10-01-NX-G-200-2	NMW-11-01-NX-G-201-2	NMW-11-02-NX-G-202-2	NMW-11-03-NX-G-203-2
DATE SAMPLED:	10/09/91	10/08/91	10/03/91	10/04/91	10/04/91
REMARKS:					
	200	200 UJ	200 UJ	200 UJ	200 UJ
Acrylamide	50	50 UJ	50 UJ	50 UJ	50 UJ
Acrylonitrile	100	100 UJ	100 UJ	100 UJ	100 UJ
Ethyl Urethane	50	50 UJ	50 UJ	50 UJ	50 UJ
N,N-DMF	1000	1000 UJ	1000 UJ	1000 UJ	1000 UJ
Urethane					
SEMIVOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	2 J	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	3 J	10 U
2,2'-oxybis(1-Chloropropene)	10	10 U	10 UJ	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	3 J	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	1 J	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	3 J	10 U
4-Chloroaniline	10	10 UJ	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 UJ	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U

LOCATION NAME:		MW-09-01	MW-10-01	MW-11-01	MW-11-02	MW-11-03
FLOW ZONE:		DEEP OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:		NMW-09-01-NX-G-199-2	NMW-10-01-NX-G-200-2	NMW-11-01-NX-G-201-2	NMW-11-02-NX-G-202-2	NMW-11-03-NX-G-203-2
DATE SAMPLED:		10/09/91	10/08/91	10/03/91	10/04/91	10/04/91
REMARKS:						
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10	0.7 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	3 J	5 J	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10	NA	10 U	NA	NA	NA
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U
PESTICIDES/PCBs		CRQL (ug/L)				
4,4'-DDD	0.10	0.11 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.11 UJ	0.10 UJ	0.10 U	0.10 U	0.10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MM-09-01 DEEP OVERBURDEN	MM-10-01 DEEP OVERBURDEN	MM-11-01 SHALLOW OVERBURDEN	MM-11-02 DEEP OVERBURDEN	MM-11-03 BEDROCK
M&E SAMPLE ID: DATE SAMPLED:	MMW-09-01-WX-G-199-2 10/09/91	MMW-10-01-WX-G-200-2 10/08/91	MMW-11-01-WX-G-201-2 10/03/91	MMW-11-02-WX-G-202-2 10/04/91	MMW-11-03-WX-G-203-2 10/04/91
REMARKS:					
4,4'-DDT	0.10	0.10 UJ	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1221	2.0	2.1 UJ	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.1 UJ	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.11 UJ	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.53 UJ	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.3 UJ	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.0028 J	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.053 UJ	0.050 U	0.050 U	0.050 U

CRDL(mg/L)

METALS - UNFILTERED

Aluminum	17400	10600	6630	13500	1570
Antimony	47 U	47 U	25 U	25 U	25 U
Arsenic	2.0 UJ	2.0 UJ	2.5	1.1	1 U
Barium	92.4	46.2	290	343	108
Beryllium	3.2 UJ	3.2 UJ	1.4 U	1 U	1 U
Cadmium	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ
Calcium	9540	5230	63100	91900	34200
Chromium	12.9 UJ	8.3 UJ	8 U	8 U	8 U
Cobalt	44.3 U	13.6 U	19.3	16.2	6 U
Copper	123	37.3	22.5 U	43.3 U	13.8 U

LOCATION NAME: FLOW ZONE:	MW-09-01		MW-10-01		MW-11-01		MW-11-02		MW-11-03	
	DEEP OVERBURDEN		DEEP OVERBURDEN		SHALLOW OVERBURDEN		DEEP OVERBURDEN		BEDROCK	
M&E SAMPLE ID:	NMW-09-01-NX-G-199-2		NMW-10-01-NX-G-200-2		NMW-11-01-NX-G-201-2		NMW-11-02-NX-G-202-2		NMW-11-03-NX-G-203-2	
DATE SAMPLED:	10/09/91		10/08/91		10/03/91		10/04/91		10/04/91	
REMARKS:										

Iron	100	21900	13500	65600	53600	1270
Lead	3	10.9	7.5 U	5.4 U	32.0	6.9 U
Magnesium	5000	5500	5620	19300	28600	4020
Manganese	15	1160	728	3250	4330	338
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.2 U	0.2 U
Nickel	40	76.6	17.5 U	16 U	16 U	16 U
Potassium	5000	7020	4030	22800	42400	3270 U
Selenium	5	R	R	1 U	1 U	1 U
Silver	10	4.0 UJ	4.0 UJ	3 U	3 U	3 U
Sodium	5000	11300	9180	75100	114000	59500
Thallium	10	4.0 UJ	4.0 UJ	1.0 UJ	10.0 UJ	1.0 UJ
Vanadium	50	21.4	14.6	9.2 U	13.3 U	3 U
Zinc	20	208	70.8 U	30.9 U	165	37.6 U

METALS - FILTERED

CRDL (ug/L)

Aluminum	200	31.5 U	27.6 U	73.5 U	68.9 U	97.1 U
Antimony	60	14 U	14 U	25 U	25 U	25 U
Arsenic	10	2.0 UJ	2.0 UJ	1.7	1 U	1 U
Barium	200	2.3 U	1.7 U	251	267	80.2
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1.2 U	1 U	3 U	3 U	3 U
Calcium	5000	7190	4520	61700	88200	30800
Chromium	10	2 U	2 U	8 U	8 U	8 U
Cobalt	50	19.7 U	3.6 U	12.1	7.6	6 U
Copper	25	2 U	3.1 U	14.5 U	12.0 U	18.8 U
Iron	100	47.4 UJ	13.3 UJ	56900 J	39800 J	26.9 U
Lead	3	2.3	1.5 U	1 U	1 U	1.9 U
Magnesium	5000	1640	1490	18400	25300	3510
Manganese	15	395 J	65.8 J	3090 J	3530 J	248 J
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.2 U	0.2 U
Nickel	40	31.5	5 U	16 U	16 U	16 U
Potassium	5000	1340 U	694 U	21400	37700	2510 U
Selenium	5	R	R	1 U	1 U	1 U
Silver	10	5 U	5 U	3 U	3 U	3 U
Sodium	5000	9560	8580	73600	111000	55800
Thallium	10	1 U	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	2 U	2 U	3 U	3 U	3 U
Zinc	20	54.2 J	11.2 J	37.4 U	20.3 U	24.8 U

LOCATION NAME: FLOW ZONE:	MM-09-01 DEEP OVERBURDEN	MM-10-01 DEEP OVERBURDEN	MM-11-01 SHALLOW OVERBURDEN	MM-11-02 DEEP OVERBURDEN	MM-11-03 BEDROCK
NLE SAMPLE ID: DATE SAMPLED:	MMW-09-01-NX-G-199-2 10/09/91	MMW-10-01-NX-G-200-2 10/08/91	MMW-11-01-NX-G-201-2 10/03/91	MMW-11-02-NX-G-202-2 10/04/91	MMW-11-03-NX-G-203-2 10/04/91
REMARKS:					

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)				
Sulfide	0.05	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL(mg/L)				
Cyanide	10	10.0 UJ	10.0 UJ	10 U	10.0 U
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	19.3 J	3.2 U	34.2 J	1.2 U
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	1.0 U	1.0 U	5.0 UJ	R
OTHER					
Hardness	(mg/L)	46	36	237	102
pH	--	6.76	6.6	6.6	7.86
Specific Conductance	(umhos/cm)	90	50	100	295

LOCATION NAME: FLOW ZONE:		MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-13-01 SHALLOW OVERBURDEN	MW-13-02 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		MW-12-01-NX-G-204-2 10/08/91	MW-12-02-FD-G-319-2 10/08/91	MW-12-02-NX-G-205-2 10/08/91	MW-13-01-NX-G-206-2 10/08/91	MW-13-02-NX-G-207-2 10/08/91
REMARKS:		Field Duplicate				
VOLATILE ORGANICS-CLP		CRQL(ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	6 J	4 J	10 U	6 J
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane(total)	10	3 J	5 J	4 J	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U	10 U
Acetone	10	38 U	130 J	22 UJ	10 U	5 J
Benzene	10	10 U	10 U	10 U	10 U	R
Bromodichloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	6 J	4 J	10 U	10 U
Chloroethane	10	10 U	16	16	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	3 J	2 J	10 U	2 J
Methylene Chloride	10	15 U	24 U	14 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U
Toluene	10	10 U	27	20	2 J	13
Total Xylenes	10	10 U	10 J	7 J	10 U	4 J
Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS		QL(ug/L)				
Acetonitrile	50	50 UJ	50 UJ	50 UJ	50 UJ	50 UJ

LOCATION NAME: FLOW ZONE:		MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-13-01 SHALLOW OVERBURDEN	MW-13-02 DEEP OVERBURDEN
MDE SAMPLE ID: DATE SAMPLED:		NMW-12-01-NX-G-204-2 10/08/91	NMW-12-02-FD-G-319-2 10/08/91	NMW-12-02-NX-G-205-2 10/08/91	NMW-13-01-NX-G-206-2 10/08/91	NMW-13-02-NX-G-207-2 10/08/91
REMARKS:		Field Duplicate				
		200	200 UJ	200 UJ	200 UJ	200 UJ
Acrylamide		50	50 UJ	50 UJ	50 UJ	50 UJ
Acrylonitrile		100	100 UJ	100 UJ	100 UJ	100 UJ
Ethyl Urethane		50	50 UJ	50 UJ	50 J	202 J
N,N-DMF		1000	1000 UJ	1000 UJ	1000 UJ	1000 UJ
Urethane						
SEMIVOLATILE ORGANICS		CRQL (ug/L)				
1,2,4-Trichlorobenzene		10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)		10	NA	NA	NA	NA
2,4,5-Trichlorophenol		25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2-Chloronaphthalene		10	10 U	10 U	10 U	10 U
2-Chlorophenol		10	10 U	10 U	10 U	10 U
2-Methylnaphthalene		10	10 U	10 U	10 U	10 U
2-Methylphenol		10	10 U	10 U	10 U	10 U
2-Nitroaniline		25	25 U	25 U	25 U	25 U
2-Nitrophenol		10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine		10	10 U	10 U	10 U	10 U
3-Nitroaniline		25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol		25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		10	10 U	10 U	10 U	10 U
4-Chloroaniline		10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Methylphenol		10	10 U	10 U	10 U	10 U
4-Nitroaniline		25	25 U	25 U	25 U	25 U
4-Nitrophenol		25	25 U	25 U	25 U	25 U
Acenaphthene		10	10 U	10 U	10 U	10 U
Acenaphthylene		10	10 U	10 U	10 U	10 U
Anthracene		10	10 U	10 U	10 U	10 U

LOCATION NAME:		MW-12-01	MW-12-02	MW-12-02	MW-13-01	MW-13-02
FLOW ZONE:		SHALLOW OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:		NMW-12-01-NX-G-204-2	NMW-12-02-FD-G-319-2	NMW-12-02-NX-G-205-2	NMW-13-01-NX-G-206-2	NMW-13-02-NX-G-207-2
DATE SAMPLED:		10/08/91	10/08/91	10/08/91	10/08/91	10/08/91
REMARKS:		Field Duplicate				
Benzo(a)anthracene	10	20 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	20 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	20 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	20 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	20 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	20 U	10 U	10 U	10 U	10 U
Carbazole	10	20 U	10 U	10 U	10 U	10 U
Chrysene	10	20 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	20 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	20 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	20 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	20 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	20 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10	20 U	10 U	10 U	10 U	10 U
Fluoranthene	10	20 U	10 U	10 U	10 U	10 U
Fluorene	10	20 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	20 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	20 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	20 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	20 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	20 U	10 U	10 U	10 U	10 U
Isophorone	10	20 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	20 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	20 U	10 U	10 U	10 U	10 U
Naphthalene	10	20 U	10 U	10 U	10 U	10 U
Nitrobenzene	10	20 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	50 U	25 U	25 U	3 J	25 U
Phenanthrene	10	20 U	10 U	10 U	10 U	10 U
Phenol	10	20 U	10 U	10 U	10 U	10 U
Pyrene	10	20 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	20 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	20 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10	20 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	90 U	10 U	10 U	10 U	10 U
PESTICIDES/PCBs		CRQL (ug/L)				
4,4'-DDD	0.10	0.10 UJ	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
4,4'-DDE	0.10	0.10 UJ	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ

LOCATION NAME: FLOW ZONE:	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-13-01 SHALLOW OVERBURDEN	MW-13-02 DEEP OVERBURDEN
MSE SAMPLE ID: DATE SAMPLED:	MW-12-01-NX-G-204-2 10/08/91	MW-12-02-FD-G-319-2 10/08/91	MW-12-02-NX-G-205-2 10/08/91	MW-13-01-NX-G-206-2 10/08/91	MW-13-02-NX-G-207-2 10/08/91
REMARKS:	Field Duplicate				
4,4'-DDT	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Aldrin	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
Aroclor-1016	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Aroclor-1221	2.0	2.0 UJ	2.2 UJ	2.0 UJ	2.0 UJ
Aroclor-1232	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Aroclor-1242	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Aroclor-1248	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Aroclor-1254	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Aroclor-1260	1.0	1.0 UJ	1.1 UJ	1.0 UJ	1.0 UJ
Dieldrin	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Endosulfen I	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
Endosulfen II	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Endosulfen Sulfate	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Endrin	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Endrin Aldehyde	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Endrin Ketone	0.10	0.10 UJ	0.11 UJ	0.10 UJ	0.10 UJ
Heptachlor	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
Heptachlor Epoxide	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
Methoxychlor	0.50	0.500 UJ	0.56 UJ	0.50 UJ	0.50 UJ
Toxaphene	5.0	5.0 UJ	5.6 UJ	5.0 UJ	5.0 UJ
alpha-BHC	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
alpha-Chlordane	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
beta-BHC	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
delta-BHC	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
gamma-BHC(Lindane)	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ
gamma-Chlordane	0.05	0.050 UJ	0.056 UJ	0.050 UJ	0.050 UJ

METALS - UNFILTERED

	CRDL(mg/L)				
Aluminum	200	2880	53400	68400	23600
Antimony	60	47 U	87.7	122	47 U
Arsenic	10	2.0 UJ	2.0 UJ	2.0 UJ	2.0 UJ
Barium	200	26.6	401	458	169
Beryllium	5	2.1 UJ	12.2 UJ	14.8 J	5.3 UJ
Cadmium	5	3.0 UJ	3.0 UJ	3.0 UJ	3.0 UJ
Calcium	5000	6610	15600	9100	23600
Chromium	10	6.0 UJ	49.9 J	83.2 J	24.0 UJ
Cobalt	50	13.6 U	57.9 U	13.6 U	20.4 U
Copper	25	43.4	76.9	97.6	46.0

LOCATION NAME: FLOW ZONE:	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-13-01 SHALLOW OVERBURDEN	MW-13-02 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-12-01-NX-G-204-2 10/08/91	NMW-12-02-FD-G-319-2 10/08/91	NMW-12-02-NX-G-205-2 10/08/91	NMW-13-01-NX-G-206-2 10/08/91	NMW-13-02-NX-G-207-2 10/08/91

REMARKS:

Field Duplicate

Iron	100	15400	142000	165000	28700	80300
Lead	3	5.3 U	299	314	13.0 U	22.7
Magnesium	5000	1760	8870	11200	2180	9990
Manganese	15	1660	9690	10300	1540	3340
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	71.3	47.1 U	71.3 U	18.8 U	37.6 U
Potassium	5000	2600 U	11800	13400	3040 U	7770
Selenium	5	R	R	R	R	R
Silver	10	4.5 UJ	4.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ
Sodium	5000	7470	7680	7640	11700	10400
Thallium	10	4 U	4 U	4 U	4 U	4 U
Vanadium	50	6.5	77.9	104	11.0	52.4
Zinc	20	215	R	R	56.0 UJ	179

METALS - FILTERED

CRODL(ug/L)

Aluminum	200	22.6 U	22.0 U	17.0 U	38.8 U	30.6 U
Antimony	60	14 U	17.0	14 U	14 U	14.0 U
Arsenic	10	2 U	2 U	2.0	2 U	2 U
Barium	200	2.6 U	76.0	78.8	17.2	28.7
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1 U	1 U	1 U	1 U	1 U
Calcium	5000	5910	14500	14600	9140	21600
Chromium	10	2 U	2 U	2 U	2 U	2 U
Cobalt	50	3.3 U	6.1 U	6.1 U	2.7 U	7.9 U
Copper	25	2 U	2 U	2 U	2 U	2 U
Iron	100	5190 J	70100 J	70200 J	23100 J	44300 J
Lead	3	1.9 U	1.8 U	1.3 U	1.2 U	1.6 U
Magnesium	5000	1090	2730	2720	1810	5730
Manganese	15	1410 J	7370 J	7410 J	1820 J	2830 J
Mercury	0.2	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	50.0	5 U	5 U	5 U	5 U
Potassium	5000	1820 U	4470	4470	1890 U	2650 U
Selenium	5	R	R	R	R	R
Silver	10	5 U	5 U	5 U	5 U	5 U
Sodium	5000	7040 U	6300 U	6330 U	10800	9050
Thallium	10	1 U	1 U	1 U	1 U	1 U
Vanadium	50	2 U	2 U	2 U	2 U	2 U
Zinc	20	131	10.4 UJ	10.0 UJ	10.4 UJ	11.9 UJ

LOCATION NAME: FLOW ZONE:	MMJ-12-01 SHALLOW OVERBURDEN	MMJ-12-02 DEEP OVERBURDEN	MMJ-12-02 DEEP OVERBURDEN	MMJ-13-01 SHALLOW OVERBURDEN	MMJ-13-02 DEEP OVERBURDEN
W&E SAMPLE ID: DATE SAMPLED:	MMJ-12-01-NX-G-204-2 10/08/91	MMJ-12-02-FD-G-319-2 10/08/91	MMJ-12-02-NX-G-205-2 10/08/91	MMJ-13-01-NX-G-206-2 10/08/91	MMJ-13-02-NX-G-207-2 10/08/91
REMARKS:	Field Duplicate				

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)				
Sulfide	0.05	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL(mg/L)				
Cyanide	10	10.0 UJ	10.0 UJ	10.0 UJ	10.0 UJ
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	6.4 U	59.4 J	20.0	21.7
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	12.7	19.0 J	5.1	19.5
OTHER					
Hardness	(mg/L)	24	75	32	100
pH	--	6.09	NA	7.01	6.43
Specific Conductance	(umhos/cm)	120	NA	175	330

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GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-14-01	MW-1	MW-11	MW-111	MW-1V
FLOW ZONE:	DEEP OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-14-01-NX-G-208-2	EMW-01-00-NX-G-176-2	EMW-02-00-NX-G-177-2	EMW-03-00-NX-G-178-2	EMW-04-00-NX-G-179-2
DATE SAMPLED:	10/01/91	10/01/91	10/02/91	10/02/91	10/02/91

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/L)	10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	2 J	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	41	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	2 J	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U	10 U
Acetone	10	13 U	10 U	41 U	10 U	10 U
Benzene	10	31	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10	4 J	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	16	10 U	10 U	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U	10 U
Toluene	10	170	10 U	10 U	10 U	10 U
Total Xylenes	10	44	10 U	10 U	10 U	10 U
Trichloroethene	10	2 J	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)	50 UJ	50 UJ	50 U	50 U	50 U
Acetonitrile	50					

LOCATION NAME: FLOW ZONE:		MMJ-14-01 DEEP OVERBURDEN	MMJ-I SHALLOW OVERBURDEN	MMJ-II SHALLOW OVERBURDEN	MMJ-III SHALLOW OVERBURDEN	MMJ-IV SHALLOW OVERBURDEN
M&E SAMPLE ID:		MMJ-14-01-NX-G-208-2	EMJ-01-00-NX-G-176-2	EMJ-02-00-NX-G-177-2	EMJ-03-00-NX-G-178-2	EMJ-04-00-NX-G-179-2
DATE SAMPLED:		10/01/91	10/01/91	10/02/91	10/02/91	10/02/91
REMARKS:						
		200	200 UJ	200 U	200 U	200 U
Acrylamide		50	50 UJ	50 U	50 U	50 U
Ethyl Urethane		100	100 U	100 U	100 U	100 U
N,N-DMF		50	50 U	50 U	50 U	50 U
Urethane		1000	1000 U	1000 U	1000 U	1000 U
SEMIVOLATILE ORGANICS						
		CRQL (ug/L)				
1,2,4-Trichlorobenzene		10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropene)		10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2-Chloronaphthalene		10	10 U	10 U	10 U	10 U
2-Chlorophenol		10	10 U	10 U	10 U	10 U
2-Methylnaphthalene		10	10 U	10 U	10 U	10 U
2-Methylphenol		10	10 U	10 U	10 U	10 U
2-Nitroaniline		25	25 U	25 U	25 U	25 U
2-Nitrophenol		10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine		10	10 U	10 U	10 U	10 U
3-Nitroaniline		25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol		25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		10	10 U	10 U	10 U	10 U
4-Chloroaniline		10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Methylphenol		10	10 U	10 U	10 U	10 U
4-Nitroaniline		25	25 U	25 U	25 U	25 U
4-Nitrophenol		25	25 U	25 U	25 U	25 U
Acenaphthene		10	10 U	10 U	10 U	10 U
Acenaphthylene		10	10 U	10 U	10 U	10 U
Anthracene		10	10 U	10 U	10 U	10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:		MW-14-01 DEEP OVERBURDEN	MW-1 SHALLOW OVERBURDEN	MW-11 SHALLOW OVERBURDEN	MW-111 SHALLOW OVERBURDEN	MW-1V SHALLOW OVERBURDEN
MJE SAMPLE ID:		NMW-14-01-NX-G-208-2	EMW-01-00-NX-G-176-2	EMW-02-00-NX-G-177-2	EMW-03-00-NX-G-178-2	EMW-04-00-NX-G-179-2
DATE SAMPLED:		10/01/91	10/01/91	10/02/91	10/02/91	10/02/91
REMARKS:						
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	0.5 J	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	8 J	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroisopropyl) ether	10	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U
PESTICIDES/PCBs		CRQL (ug/L)				
4,4'-DDD		0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE		0.10	0.10 U	0.10 U	0.10 U	0.10 U

GROUNDWATER - SEPTEMBER/OCTOBER 1991 (09/24/91-10/09/91)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-14-01 DEEP OVERBURDEN	MW-1 SHALLOW OVERBURDEN	MW-11 SHALLOW OVERBURDEN	MW-111 SHALLOW OVERBURDEN	MW-1V SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MW-14-01-NX-G-208-2 10/01/91	EMW-01-00-NX-G-176-2 10/01/91	EMW-02-00-NX-G-177-2 10/02/91	EMW-03-00-NX-G-178-2 10/02/91	EMW-04-00-NX-G-179-2 10/02/91
REMARKS:					
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen I	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfen II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U

CRDL(mg/L)

METALS - UNFILTERED

Aluminum	200	10300 J	41400 J	23500 J	11300 J	1010 J
Antimony	60	25 U	25 U	25 U	25 U	25 U
Arsenic	10	9.7	5.4	5.5	1 U	1 U
Barium	200	286	284	149	107	19.3
Beryllium	5	1 U	5.5 U	3.5 U	1.3 U	1 U
Cadmium	5	3 U	3 U	3 U	3 U	13.8 U
Calcium	5000	61000	7830	12200	4120	5170
Chromium	10	17.8 U	44.9 U	32.7 U	23.8 U	8 U
Cobalt	50	17.5	45.0	37.2	10.2	20.3
Copper	25	43.9 U	73.9 U	75.7	99.9	15.3

LOCATION NAME: FLOW ZONE:		MW-14-01 DEEP OVERBURDEN	MW-1 SHALLOW OVERBURDEN	MW-11 SHALLOW OVERBURDEN	MW-111 SHALLOW OVERBURDEN	MW-IV SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		MMW-14-01-NX-G-208-2 10/01/91	EMW-01-00-NX-G-176-2 10/01/91	EMW-02-00-NX-G-177-2 10/02/91	EMW-03-00-NX-G-178-2 10/02/91	EMW-04-00-NX-G-179-2 10/02/91
REMARKS:						
METALS - FILTERED						
Iron	100	67800	41400	84700	12600	54700
Lead	3	16.7	42.7	72.8	25.7	6.4 U
Magnesium	5000	52000	7280	5680	2200	2080
Manganese	15	489	1450	4230	636	6230
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.22
Nickel	40	33.3	34.9	36.0	19.0	16 U
Potassium	5000	139000	11200	8080	2380 U	1830 U
Selenium	5	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Silver	10	3 U	3 U	3 U	3 U	3 U
Sodium	5000	124000	7900 U	7230 U	4570	9020 U
Thallium	10	1.0 UJ	1 U	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	24.1	44.3	33.9	11.1 U	3 U
Zinc	20	75.5 U	152	243	71.8 U	97.2 U
METALS - UNFILTERED						
Aluminum	200	143 U	90.5 U	127 UJ	49.4 UJ	163 UJ
Antimony	60	25 U	25 U	25 U	25 U	25 U
Arsenic	10	7.7	1 U	2.0	1 U	1 U
Barium	200	218	1 U	21.4	3.4 U	13.2
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	3 U	3 U	3 U
Calcium	5000	55000	1150 U	8370	3110	5260
Chromium	10	8.4 U	8 U	8.1 U	8 U	8 U
Cobalt	50	8.6	6 U	13.0	6 U	21.4
Copper	25	20.3 U	21.7 U	19.7	7.2	30.0
Iron	100	39000 J	19.0 U	42800	100 UJ	54000
Lead	3	1.7 U	2.0 U	2.2 U	3.0 U	1.3 U
Magnesium	5000	48900	660	2530	1110	2130
Manganese	15	214 J	2 U	2290	654	6010
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	18.9	16 U	16 U	16 U	16 U
Potassium	5000	139000	442 U	2770 U	544 U	1770 U
Selenium	5	1.0 UJ	1 U	1.0 UJ	1.0 UJ	1.0 UJ
Silver	10	3 U	3 U	3 U	3 U	3 U
Sodium	5000	146000	5230 U	5420 U	6310 U	10000 U
Thallium	10	1.0 UJ	1 U	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	7.0 U	3 U	4.3 U	3 U	3 U
Zinc	20	27.2 U	23.4 U	43.6 U	16.6 U	54.5 UJ

LOCATION NAME:	MW-14-01	MW-1	MW-II	MW-III	MW-IV
FLOW ZONE:	DEEP OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
N&E SAMPLE ID:	NMW-14-01-NX-G-208-2	EMW-01-00-NX-G-176-2	EMW-02-00-NX-G-177-2	EMW-03-00-NX-G-178-2	EMW-04-00-NX-G-179-2
DATE SAMPLED:	10/01/91	10/01/91	10/02/91	10/02/91	10/02/91
REMARKS:					

WATER QUALITY PARAMETERS

SULFIDE	CRQL (mg/L)				
Sulfide	0.05	0.4 UJ	0.4 U	0.4 U	0.4 U
CYANIDE	CRDL (mg/L)				
Cyanide	10	10 U	10.0 UJ	10.0 UJ	10.0 UJ
TOTAL ORGANIC CARBON	QL (mg/L)				
Total Organic Carbon	0.5	117.5 J	6.2 UJ	15.9 J	7.3 UJ
BIOCHEMICAL OXYGEN DEMAND	QL (mg/L)				
Biochemical Oxygen Demand	1.0	35.0	1.0 U	4.0 UJ	3.0 UJ
OTHER					
Hardness	(mg/L)	366	50	54	21
pH	--	6.3	8.25	6.78	6.65
Specific Conductance	(umhos/cm)	2150	120	230	260

LOCATION NAME: FLOW ZONE:		MW-V SHALLOW OVERBURDEN	OW-27 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		EMW-05-00-NX-G-180-2 10/02/91	EMW-27-00-NX-G-174-2 10/02/91	EMW-30-00-FD-G-315-2 10/03/91	EMW-30-00-NX-G-175-2 10/03/91
REMARKS: Field Duplicate					
VOLATILE ORGANICS-CLP		CRCL(ug/L)			
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	2 J	13	13
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	26	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U	10 U
Benzene	10	10 U	2 J	8 J	8 J
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	7 J	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	2 J	64 J	62 J
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	8 J	9 J	9 J
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	1 J	14	14
Total Xylenes	10	10 U	20	19	19
Trichloroethene	10	10 U	5 J	10 U	10 U
Vinyl Chloride	10	10 U	19	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS		QL(ug/L)			
Acetonitrile	50	59 UJ	50 U	50 UJ	50 UJ

LOCATION NAME:		MW-V		OW-27		OW-30		OW-30	
FLOW ZONE:		SHALLOW OVERBURDEN		DEEP OVERBURDEN		DEEP OVERBURDEN		DEEP OVERBURDEN	
M&E SAMPLE ID:		EMW-05-00-NX-G-180-2		EDW-27-00-NX-G-174-2		EDW-30-00-FD-G-315-2		EDW-30-00-NX-G-175-2	
DATE SAMPLED:		10/02/91		10/02/91		10/03/91		10/03/91	
REMARKS:									
Field Duplicate									
Acrylamide	200 U	200 U		200 U		200 UJ		200 UJ	
Acrylonitrile	50	50 U		50 U		50 UJ		50 UJ	
Ethyl Urethane	100	100 U		100 U		100 UJ		100 UJ	
N,N-DMF	50	50 U		50 U		105 J		78 J	
Urethane	1000	1000 U		1000 U		1000 UJ		1000 UJ	
SEMI-VOLATILE ORGANICS									
	CRGL (ug/L)								
1,2,4-Trichlorobenzene	10	10 U		10 U		10 U		10 U	
1,2-Dichlorobenzene	10	10 U		10 U		10 U		10 U	
1,3-Dichlorobenzene	10	10 U		10 U		10 U		10 U	
1,4-Dichlorobenzene	10	10 U		10 U		2 J		2 J	
2,2'-oxybis(1-Chloropropane)	10	10 U		10 U		10 UJ		10 UJ	
2,4,5-Trichlorophenol	25	25 U		25 U		25 U		25 U	
2,4,6-Trichlorophenol	10	10 U		10 U		10 U		10 U	
2,4-Dichlorophenol	10	10 U		10 U		10 U		10 U	
2,4-Dimethylphenol	10	10 U		10 U		10 U		10 U	
2,4-Dinitrophenol	25	25 U		25 U		25 U		25 U	
2,4-Dinitrotoluene	10	10 U		10 U		10 U		10 U	
2,6-Dinitrotoluene	10	10 U		10 U		10 U		10 U	
2-Chloronaphthalene	10	10 U		10 U		10 U		10 U	
2-Methylnaphthalene	10	10 U		10 U		10 U		10 U	
2-Methylphenol	10	10 U		2 J		10 U		10 U	
2-Nitroaniline	25	25 U		25 U		1 J		0.8 J	
2-Nitrophenol	10	10 U		10 U		25 U		25 U	
3,3'-Dichlorobenzidine	10	10 U		10 U		10 U		10 U	
3-Nitroaniline	25	25 U		25 U		25 U		25 U	
4,6-Dinitro-2-methylphenol	25	25 U		25 U		25 U		25 U	
4-Bromophenyl-phenylether	10	10 U		10 U		10 U		10 U	
4-Chloro-3-methylphenol	10	10 U		3 J		10 U		10 U	
4-Chloroaniline	10	10 U		10 U		10 U		10 U	
4-Chlorophenyl-phenylether	10	10 U		10 U		10 U		10 U	
4-Methylphenol	10	10 U		10 U		2 J		2 J	
4-Nitroaniline	25	25 U		25 U		25 U		25 U	
4-Nitrophenol	25	25 U		25 U		25 U		25 U	
Acenaphthene	10	10 U		10 U		10 U		10 U	
Acenaphthylene	10	10 U		10 U		10 U		10 U	
Anthracene	10	10 U		10 U		10 U		10 U	

LOCATION NAME: FLOW ZONE:	MW-V		OW-27		OW-30	
	SHALLOW	OVERBURDEN	DEEP	OVERBURDEN	DEEP	OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	EMW-05-00-NX-G-180-2 10/02/91		EW-27-00-NX-G-174-2 10/02/91		EW-30-00-FD-G-315-2 10/03/91	EW-30-00-NX-G-175-2 10/03/91
REMARKS:	Field Duplicate					
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	0.6 J	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10	10	10	7 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	2 J	4 J	3 J	3 J
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	0.9 J	1 J	1 J
Pyrene	10	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U	10 U
Bis(2-Chloroisopropyl) ether	10	NA	NA	NA	NA	NA
Bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U
PESTICIDES/PCBs	CRQL (ug/L)					
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U

LOCATION NAME: FLOW ZONE:	MW-V		OW-27		OW-30		OW-30	
	SHALLOW	OVERBURDEN	DEEP	OVERBURDEN	DEEP	OVERBURDEN	DEEP	OVERBURDEN
M&E SAMPLE ID:	EMW-05-00-NX-G-180-2		EMW-27-00-NX-G-174-2		EMW-30-00-FD-G-315-2		EMW-30-00-NX-G-175-2	
DATE SAMPLED:	10/02/91		10/02/91		10/03/91		10/03/91	
REMARKS:	Field Duplicate							
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen I	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfen II	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfen Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
METALS - UNFILTERED	CRDL(mg/L)							
Aluminum	200	3830 J	26600 J	776 J	2110 J			
Antimony	60	25 U	25 U	25 U	25 U			
Arsenic	10	1 U	5.6	3.8	3.8			
Barium	200	29.6	213	97.0	103			
Beryllium	5	1 U	2.4 U	1 U	1 U			
Cadmium	5	3 U	39.9	3 U	3 U			
Calcium	5000	3300	49400	62500 J	64400 J			
Chromium	10	8 U	50.4	8 U	8 U			
Cobalt	50	6 U	47.9	6 U	6 U			
Copper	25	12.4	46.0	6.0 U	18.2 UJ			

LOCATION NAME: FLOW ZONE:		MW-V SHALLOW OVERBURDEN	OW-27 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN	OW-30 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		EMW-05-00-NX-G-180-2 10/02/91	EMW-27-00-NX-G-174-2 10/02/91	EMW-30-00-FD-G-315-2 10/03/91	EMW-30-00-NX-G-175-2 10/03/91
REMARKS:					
Field Duplicate					
Iron	100	5320	95500	87400	92200
Lead	3	5.8 U	126	1.4 UJ	4.4 UJ
Magnesium	5000	1480	5370	7900 UJ	8210 J
Manganese	15	201	719	1450	1580
Mercury	0.2	0.2 U	0.28	0.2 U	0.2 U
Nickel	40	16 U	75.4	16 U	16 U
Potassium	5000	2190 U	8670	24000	24300
Selenium	5	1.0 UJ	1.0 UJ	1 U	1.0 UJ
Silver	10	3 U	3 U	3 U	3 U
Sodium	5000	6030 U	11900 U	34900	35800
Thallium	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	3.8 U	35.4	3 U	5.2
Zinc	20	19.6 U	7360	19.5 UJ	37.9 UJ
METALS - FILTERED					
CRDL(ug/L)					
Aluminum	200	95.2 UJ	121 UJ	111 UJ	13.0 UJ
Antimony	60	25 U	25 U	28.2	25 U
Arsenic	10	1 U	1 U	2.3	2.8
Barium	200	11.1 U	57.3	94.3	94.3
Beryllium	5	1 U	1 U	1 U	1 U
Cadmium	5	3 U	3 U	3 U	3 U
Calcium	5000	3380	44500	64300 J	65600 J
Chromium	10	8 U	8 U	8 U	8 U
Cobalt	50	6 U	6 U	6 U	6 U
Copper	25	15	20.3	28.7 UJ	5.1 UJ
Iron	100	89.0 J	65100	87200	88300
Lead	3	2.9 U	2.5 U	1.2 UJ	1.4 UJ
Magnesium	5000	960	2360	8000 J	8030 J
Manganese	15	8.7 U	457	1410	1430
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	16 U	16 U	16 U	16 U
Potassium	5000	1160 U	4330	24400	24700
Selenium	5	1.0 UJ	1.0 UJ	1.3 UJ	1 U
Silver	10	3 U	3 U	3.4 U	3 U
Sodium	5000	6620 U	11000 U	35400	35500
Thallium	10	1.0 UJ	1.0 UJ	1.0 UJ	1.0 UJ
Vanadium	50	3.5 U	4.0 U	3 U	3 U
Zinc	20	57.5 U	43.0 U	37.7 UJ	14.5 UJ

LOCATION NAME:		MM-V	OM-27	OM-30	OM-30
FLOW ZONE:		SHALLOW OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
W&E SAMPLE ID:		EMW-05-00-NX-G-180-2	EMW-27-00-NX-G-174-2	EMW-30-00-FD-G-315-2	EMW-30-00-NX-G-175-2
DATE SAMPLED:		10/02/91	10/02/91	10/03/91	10/03/91
REMARKS:		Field Duplicate			

WATER QUALITY PARAMETERS

SULFIDE	CRQL(mg/L)				
Sulfide	0.05	0.4 UJ	0.4 UJ	0.4 UJ	0.4 UJ
CYANIDE	CRDL(mg/L)				
Cyanide	10	11.1 J	10.0 UJ	10 U	10 U
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	1.8 UJ	29.7 J	22.7 J	19.3 J
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	R	7.0 J	8.4	7.6
OTHER					
Hardness	(mg/L)	14	145	172 J	195 J
pH	--	5.85	6.39	NA	6.62
Specific Conductance	(umhos/cm)	40	420	NA	860

GROUNDWATER (MONITORING WELLS) - JANUARY/FEBRUARY 1992

LOCATION NAME:		MW-01-01	MW-01-02	MW-02-01	MW-02-01	MW-03-01
FLOW ZONE:		SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:		NMW-01-01-NX-G-505-3	NMW-01-02-NX-G-506-3	NMW-02-01-FD-G-565-3	NMW-02-01-NX-G-507-3	NMW-03-01-NX-G-508-3
DATE SAMPLED:		02/04/92	02/05/92	01/30/92	01/30/92	02/04/92
REMARKS:		Field Duplicate				
VOLATILE ORGANICS-CLP		CRQL (ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U	10 U
Acetone	10	10 UJ	10 UJ	16 U	22 U	10 UJ
Benzene	10	10 U	10 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 UJ	10 UJ	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	2 J	2 J	10 U
Chloroethane	10	10 U	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U	1 J
Methylene Chloride	10	10 U	37 U	110 U	46 U	18 U
Styrene	10	10 U	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	1 J	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U	2 J
Trichloroethene	10	10 U	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS		QL(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U	50 U

GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-02-01 SHALLOW OVERBURDEN	MW-02-01 SHALLOW OVERBURDEN	MW-03-01 SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-505-3	NMW-01-02-NX-G-506-3	NMW-02-01-FD-G-565-3	NMW-02-01-NX-G-507-3	NMW-03-01-NX-G-508-3
DATE SAMPLED:	02/04/92	02/05/92	01/30/92	01/30/92	02/04/92
REMARKS:	Field Duplicate				
Ethyl Urethane	100	50 U	50 U	50 U	50 U
N,N-DMF	50	145 U	50 U	50 U	129 U
Urethane	1000	1000 U	1000 U	1000 U	1000 U
SEMIVOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 UJ	10 UJ	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 UJ
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 UJ	10 UJ	10 UJ	10 UJ
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U

GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-02-01 SHALLOW OVERBURDEN	MW-02-01 SHALLOW OVERBURDEN	MW-03-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-01-01-NX-G-505-3 02/04/92	NMW-01-02-NX-G-506-3 02/05/92	NMW-02-01-FD-G-565-3 01/30/92	NMW-02-01-NX-G-507-3 01/30/92	NMW-03-01-NX-G-508-3 02/04/92
REMARKS:	Field Duplicate				
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	7 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U
PESTICIDES/PCBs	CRQL (ug/L)				
4,4'-DDD	0.10	0.10 U	0.0050 J	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U

GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:		MW-01-01	MW-01-02	MW-02-01	MW-02-01	MW-03-01
FLOW ZONE:		SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:		NMW-01-01-NX-G-505-3	NMW-01-02-NX-G-506-3	NMW-02-01-FD-G-565-3	NMW-02-01-NX-G-507-3	NMW-03-01-NX-G-508-3
DATE SAMPLED:		02/04/92	02/05/92	01/30/92	01/30/92	02/04/92
REMARKS:						
Field Duplicate						
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
METALS - UNFILTERED						
	CRDL(mg/L)					
Aluminum	200	43300	433	19500	22500	50900
Antimony	60	8 U	8 U	31.0 UJ	31.0 UJ	8 U
Arsenic	10	5.0 U	2 U	2 U	2 U	2 U
Barium	200	213	12.8	83.8	105	370
Beryllium	5	5.1 J	1.0 UJ	3.1	3.3	9.2 J
Cadmium	5	1 U	1 U	1 U	1.1 U	1 U
Calcium	5000	18700	20600	9780	10600	30700
Chromium	10	57.5	4.0 UJ	17.9 U	18.2 U	27.8 J
Cobalt	50	101	3 U	8.9	11.1	27.2
Copper	25	115	3 U	31.6 J	35.7 J	36.9
Iron	100	71200	13700	36000	40900	75600
Lead	3	64.4	3.2 UJ	23.8 U	26.6	36.2
Magnesium	5000	7540	1900	6050	6240	10300

LOCATION NAME:	MW-01-01	MW-01-02	MW-02-01	MW-02-01	MW-03-01
FLOW ZONE:	SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	MMW-01-01-NX-G-505-3	MMW-01-02-NX-G-506-3	MMW-02-01-FD-G-565-3	MMW-02-01-NX-G-507-3	MMW-03-01-NX-G-508-3
DATE SAMPLED:	02/04/92	02/05/92	01/30/92	01/30/92	02/04/92

REMARKS:

Field Duplicate

	15	1600	113	2170	2850	3240
Manganese	0.2	R	R	0.2 U	0.2 U	R
Mercury	40	30.0	4 U	20.9	24.4	24.8
Nickel	5000	11700	2250	6080	6670	16000
Potassium	5	20.0 UJ	4.0 UJ	R	4.0 UJ	20.0 UJ
Selenium	10	2 U	2 U	5 U	5 U	2 U
Silver	5000	16400	10700	6210	6710	21600
Sodium	10	2.0 UJ	2.0 UJ	2 U	2 U	2.0 UJ
Thallium	50	36.3	2 U	25.9	28.4	47.7
Vanadium	20	139	4 U	106	120	171
Zinc						
METALS - FILTERED						
	CRDL(ug/L)					
Aluminum	200	96.9	66 U	66 U	66 U	66 U
Antimony	60	31 U	31 U	31.0 UJ	31.0 UJ	31 U
Arsenic	10	2 U	2 U	2 U	2 U	2.2 U
Barium	200	3.7 U	4.7 U	6.9 U	7.6 U	49.6
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1 U	1.4 U	1 U	1 U	1 U
Calcium	5000	5030	19500	8650	8890	17700
Chromium	10	7.6 U	2 U	2 U	2 U	2 U
Cobalt	50	6.2 U	3 U	3 U	3 U	7.0 U
Copper	25	3 U	3 U	3 U	3 U	3 U
Iron	100	251 J	45.7 J	650 J	877 J	7730 J
Lead	3	3.3 U	1.3 U	1.9 U	5.4 U	1.9 U
Magnesium	5000	832	1690	2380	2410	5310
Manganese	15	159	31.2	1270	1400	1580
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	4.3 U	4 U	4 U	4 U	4.8 U
Potassium	5000	2390	1910	1930	2100	11700
Selenium	5	4.0 UJ	20.0 UJ	4.0 UJ	20.0 UJ	4 U
Silver	10	5 U	5 U	5 U	5 U	5 U
Sodium	5000	12400	9920	5340	5300	25200
Thallium	10	10 U	2.0 UJ	2 U	2 U	2.0 UJ
Vanadium	50	3 U	3 U	3 U	3 U	3 U
Zinc	20	11 U	11 U	11 U	11 U	11 U
WATER QUALITY PARAMETERS						
	CRDL(mg/L)					
SULFIDE						
Sulfide	0.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

LOCATION NAME:	MW-01-01	MW-01-02	MW-02-01	MW-02-01	MW-03-01
FLOW ZONE:	SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-505-3	NMW-01-02-NX-G-506-3	NMW-02-01-FD-G-565-3	NMW-02-01-NX-G-507-3	NMW-03-01-NX-G-508-3
DATE SAMPLED:	02/04/92	02/05/92	01/30/92	01/30/92	02/04/92
REMARKS:	Field Duplicate				

CYANIDE	CRDL(mg/L)				
Cyanide	10	10.0 UJ	10.0 UJ	10 U	10.0 UJ
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	15	11	41	28
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	1.0 U	1.0 U	3.2 U	3.2 U
OTHER					
Hardness	(mg/L)	78	59	49	119
pH	--	6.25	7.80	NA	6.16
Specific Conductance	(umhos/cm)	68	150	NA	350

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LOCATION NAME:	MW-03-03	MW-04-01	MW-04-02	MW-04-03	MW-07-01
FLOW ZONE:	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK	DEEP OVERBURDEN
M&E SAMPLE ID:	NMW-03-03-NX-G-510-3	NMW-04-01-NX-G-511-3	NMW-04-02-NX-G-512-3	NMW-04-03-NX-G-513-3	NMW-07-01-NX-G-514-3
DATE SAMPLED:	02/05/92	01/29/92	01/29/92	02/05/92	01/31/92

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	5 J	5 J
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane(total)	10	10 U	10 U	7 J	9 J
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	150 J	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	58 U	86 U	27 U
Benzene	10	10 U	4 J	5 J	4 J
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	43	5 J	11
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10
Methylene Chloride	10	11 U	18 U	19 U	27 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	8 J	8 J
Total Xylenes	10	10 U	8 J	2 J	22
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U

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LOCATION NAME: FLOW ZONE:	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-07-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-03-03-NX-G-510-3 02/05/92	NMW-04-01-NX-G-511-3 01/29/92	NMW-04-02-NX-G-512-3 01/29/92	NMW-04-03-NX-G-513-3 02/05/92	NMW-07-01-NX-G-514-3 01/31/92
REMARKS:					
Ethyl Urethane	100	50 U	50 U	50 U	50 U
N,N-DMF	50	50 U	50 U	469	50 U
Urethane	1000	1000 U	1000 U	1000 U	1000 U
SEMIVOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	1 J	10 U	2 J
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	2 J	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 UJ	10 UJ	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 UJ	10 UJ	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U

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LOCATION NAME: FLOW ZONE:	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-07-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-03-03-NX-G-510-3 02/05/92	NMW-04-01-NX-G-511-3 01/29/92	NMW-04-02-NX-G-512-3 01/29/92	NMW-04-03-NX-G-513-3 02/05/92	NMW-07-01-NX-G-514-3 01/31/92

REMARKS:

Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	2 J	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	4 J	1 J	7 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	2 J	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	11 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	20 U	10 U	24 U	10 U

CRQL (ug/L)

PESTICIDES/PCBS

4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.056 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.1 U

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LOCATION NAME: FLOW ZONE:	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-07-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-03-03-NX-G-510-3 02/05/92	NMW-04-01-NX-G-511-3 01/29/92	NMW-04-02-NX-G-512-3 01/29/92	NMW-04-03-NX-G-513-3 02/05/92	NMW-07-01-NX-G-514-3 01/31/92
REMARKS:					
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.2 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.1 U
Dieldrin	0.10	0.10 U	0.10 U	0.0034 J	0.11 U
Endosulfan I	0.05	0.050 U	0.050 U	0.050 U	0.056 U
Endosulfan II	0.10	0.10 U	0.10 U	0.0026 J	0.11 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.056 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.056 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.56 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.6 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.056 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.056 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.056 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.056 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.0051 J
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.056 U
METALS - UNFILTERED	CRDL(mg/L)				
Aluminum	200	55100	3050	228	110000
Antimony	60	31.0 UJ	31.0 UJ	8 U	31.0 UJ
Arsenic	10	2 U	2 U	2 U	2 U
Barium	200	292	207	7.0	508
Beryllium	5	7.9	1 U	1.0 UJ	13.7
Cadmium	5	3.0 U	1.1 U	1 U	6.6 U
Calcium	5000	15300	36000	42000	44100
Chromium	10	51.6	6.8 U	4.0 UJ	154
Cobalt	50	31.6	14.7	3 U	53.8
Copper	25	73.3 J	34.9 J	3 U	367
Iron	100	114000	59400	16200	268000
Lead	3	53.0	6.5 U	5.6 U	40.1
Magnesium	5000	9700	13100	4080	29000

LOCATION NAME: FLOW ZONE:	MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-07-01 DEEP OVERBURDEN
M&E SAMPLE ID:	NMW-03-03-NX-G-510-3	NMW-04-01-NX-G-511-3	NMW-04-02-NX-G-512-3	NMW-04-03-NX-G-513-3	NMW-07-01-NX-G-514-3
DATE SAMPLED:	02/05/92	01/29/92	01/29/92	02/05/92	01/31/92
REMARKS:					
	15	9130	2830	651	5610
Manganese	0.2	0.2 U	0.2 U	R	0.2 U
Mercury	40	34.2	14.6	8.0	99.4
Nickel	5000	8950	19900	1650	37600
Potassium	5	20.0 UJ	4.0 UJ	4.0 UJ	R
Selenium	10	5 U	5 U	2 U	5 U
Silver	5000	14000	55300	17200	23200 J
Sodium	10	2.0 UJ	10.0 UJ	2.0 UJ	2 U
Thallium	50	67.2 J	3.7	2 U	142 J
Vanadium	20	210 J	25.7 J	4.5 U	674 J
Zinc					
METALS - FILTERED	CRDL(ug/L)				
Aluminum	200	1610	66 U	66 U	66 U
Antimony	60	31.0 UJ	31.0 UJ	31 U	31 U
Arsenic	10	2.0 UJ	2 U	2.8 U	3.3 U
Barium	200	39.9	183	2.3 U	42.6
Beryllium	5	1 U	1 U	1 U	1 U
Cadmium	5	2.1 U	1.4 U	1 U	1 U
Calcium	5000	11200	35500	42000	29100
Chromium	10	2 U	2 U	2 U	2 U
Cobalt	50	9.9	13.8	3 U	3 U
Copper	25	5.4 U	3 U	3 U	3 U
Iron	100	29900 J	53600 J	124 J	87500 J
Lead	3	5.7 UJ	2.0 UJ	7.9 U	1.4 U
Magnesium	5000	2400	12500	4050	3520
Manganese	15	5290	2600	547	1220
Mercury	0.2	0.2 U	0.2 U	0.29	0.20 UJ
Nickel	40	4 U	4 U	4 U	4 U
Potassium	5000	3000	18700	1630	12200
Selenium	5	4.0 UJ	4.0 UJ	4 U	4.0 UJ
Silver	10	5 U	5 U	5 U	5 U
Sodium	5000	13100	53900	16700	16500
Thallium	10	2.6 UJ	4.1 UJ	2.0 UJ	2.0 UJ
Vanadium	50	3 U	3 U	3 U	3 U
Zinc	20	13.7	11 U	11 U	12.0
		WATER QUALITY PARAMETERS			
SULFIDE	CRQL(mg/L)				
Sulfide	0.05	1.0 U	1.0 U	1.0 U	1.0 U

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LOCATION NAME: FLOW ZONE:		MW-03-03 BEDROCK	MW-04-01 SHALLOW OVERBURDEN	MW-04-02 DEEP OVERBURDEN	MW-04-03 BEDROCK	MW-07-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		NMW-03-03-NX-G-510-3 02/05/92	NMW-04-01-NX-G-511-3 01/29/92	NMW-04-02-NX-G-512-3 01/29/92	NMW-04-03-NX-G-513-3 02/05/92	NMW-07-01-NX-G-514-3 01/31/92
REMARKS:						
CYANIDE	CRDL (mg/L)					
Cyanide	10	10.0 UJ	10 U	10 U	10.0 UJ	10 U
TOTAL ORGANIC CARBON	QL (mg/L)					
Total Organic Carbon	0.5	3.8 U	33	94 J	34	44
BIOCHEMICAL OXYGEN DEMAND	QL (mg/L)					
Biochemical Oxygen Demand	1.0	1.0 U	1.7 UJ	18 J	17	3.8 UJ
OTHER						
Hardness	(mg/L)	31	78	144	122	230
pH	--	6.98	6.77	6.91	6.2	6.4
Specific Conductance	(umhos/cm)	130	780	1700	225	600

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LOCATION NAME:	MW-07-02	MW-10-01	MW-11-01	MW-11-02	MW-11-03
FLOW ZONE:	BEDROCK	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:	NMW-07-02-NX-G-515-3	NMW-10-01-NX-G-516-3	NMW-11-01-NX-G-517-3	NMW-11-02-NX-G-518-3	NMW-11-03-NX-G-519-3
DATE SAMPLED:	01/31/92	01/30/92	01/31/92	01/31/92	01/31/92
REMARKS:					

VOLATILE ORGANICS-CLP	CRRL(ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	24	3 J	2 J	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	1 J	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	2 J	1 J	10 U
1,2-Dichloropropane	10	10 U	3 J	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	48 U	10 U	10 U	10 U
Benzene	10	4 J	11	7 J	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	10 U	10 U
Carbon Tetrachloride	10	1 J	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	2 J	4 J	10 U
Chloroform	10	10 U	27	62	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	13	13	10 U
Methylene Chloride	10	12 U	10 U	26 U	13 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	1 J	10 U
Total Xylenes	10	10 U	5 J	8 J	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	ql(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U

LOCATION NAME: FLOW ZONE:	MW-07-02 BEDROCK	MW-10-01 DEEP OVERBURDEN	MW-11-01 SHALLOW OVERBURDEN	MW-11-02 DEEP OVERBURDEN	MW-11-03 BEDROCK
M&E SAMPLE ID: DATE SAMPLED:	NMW-07-02-NX-G-515-3 01/31/92	NMW-10-01-NX-G-516-3 01/30/92	NMW-11-01-NX-G-517-3 01/31/92	NMW-11-02-NX-G-518-3 01/31/92	NMW-11-03-NX-G-519-3 01/31/92
REMARKS:					
	100	50 U	50 U	50 U	50 U
Ethyl Urethane	50	50 U	140 U	50 U	50 U
N,N-DMF	1000	1000 U	1000 U	1000 U	1000 U
Urethane					
SEMIVOLATILE ORGANICS	CRQL(ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	3 J	2 J	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	5 J	3 J	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U

GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-07-02	MW-10-01	MW-11-01	MW-11-02	MW-11-03
FLOW ZONE:	BEDROCK	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:	NMW-07-02-NX-G-515-3	NMW-10-01-NX-G-516-3	NMW-11-01-NX-G-517-3	NMW-11-02-NX-G-518-3	NMW-11-03-NX-G-519-3
DATE SAMPLED:	01/31/92	01/30/92	01/31/92	01/31/92	01/31/92

REMARKS:

Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	1 J	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	5 J	6 J	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	4 J	6 J	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U

PESTICIDES/PCBs CRQL (ug/L)

4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.11 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.056 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.1 U

LOCATION NAME:		MW-07-02	MW-10-01	MW-11-01	MW-11-02	MW-11-03
FLOW ZONE:		BEDROCK	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:		NMW-07-02-NX-G-515-3	NMW-10-01-NX-G-516-3	NMW-11-01-NX-G-517-3	NMW-11-02-NX-G-518-3	NMW-11-03-NX-G-519-3
DATE SAMPLED:		01/31/92	01/30/92	01/31/92	01/31/92	01/31/92
REMARKS:						
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.2 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endosulfan I	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.0028 J	0.0032 J	0.11 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.013 J	0.56 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.6 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
gamma-BHC(Lindane)	0.05	0.024 J	0.050 U	0.050 U	0.050 U	0.056 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.056 U
METALS - UNFILTERED						
CRDL(mg/L)						
Aluminum	200	906	12300	20400	5690	865
Antimony	60	8 U	31.0 UJ	31.0 UJ	31.0 UJ	31.0 UJ
Arsenic	10	2 U	2 U	2 U	2 U	2 U
Barium	200	38.4	50.1	323	270	87.7
Beryllium	5	1.0 UJ	1 U	2.6	1 U	1 U
Cadmium	5	1 U	1 U	1.8 U	1 U	1 U
Calcium	5000	82500	5430	64300	81300	27400
Chromium	10	13.0 J	3.2 U	15.9 U	2 U	2 U
Cobalt	50	3 U	5.3	19.6	9.8	3 U
Copper	25	5.1 U	21.5 U	18.6 U	15.9 U	3 U
Iron	100	858	13000	88000	44000	1160
Lead	3	8.5 U	6.7 U	15.0 U	19.4 U	6.0 U
Magnesium	5000	2980	5290	21500	25100	3380

LOCATION NAME: FLOW ZONE:	MW-07-02 BEDROCK	MW-10-01 DEEP OVERBURDEN	MW-11-01 SHALLOW OVERBURDEN	MW-11-02 DEEP OVERBURDEN	MW-11-03 BEDROCK
M&E SAMPLE ID: DATE SAMPLED:	NMW-07-02-NX-G-515-3 01/31/92	NMW-10-01-NX-G-516-3 01/30/92	NMW-11-01-NX-G-517-3 01/31/92	NMW-11-02-NX-G-518-3 01/31/92	NMW-11-03-NX-G-519-3 01/31/92

REMARKS:

Manganese	15	22.8	623	3420	3590	206
Mercury	0.2	R	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	4 U	4 U	19.3	6.0	4 U
Potassium	5000	76500	4340	23700	38800	4750
Selenium	5	4.0 UJ	20.0 UJ	4.0 UJ	4.0 UJ	4.0 UJ
Silver	10	2 U	5 U	5 U	5 U	5 U
Sodium	5000	58800	10500	69700	106000	56500
Thallium	10	2.0 UJ	2 U	2.0 UJ	2.0 UJ	2.0 UJ
Vanadium	50	8.6	7.3	27.6	5.0	3 U
Zinc	20	4 U	72.9	73.5	90.8	13.2 J

METALS - FILTERED CRDL (ug/L)

Aluminum	200	66 U	66 U	66 U	131	75.0
Antimony	60	31 U	31.0 UJ	31 U	31 U	31 U
Arsenic	10	3.7 U	2 U	2.3 U	2 U	2 U
Barium	200	34.0	2.6 U	222	246	69.0
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1 U	1 U	1 U	1 U	1.2 U
Calcium	5000	57300	4220	60900	81100	26300
Chromium	10	16.6 J	2 U	2 U	2 U	2 U
Cobalt	50	3 U	3 U	13.2 U	9.0 U	3 U
Copper	25	6.4 U	3.3	3 U	3 U	3 U
Iron	100	257 J	35 U	58000 J	37200 J	114 J
Lead	3	2.9 U	1.7 U	1.9 U	1.9 U	1.4 U
Magnesium	5000	551	1550	18400	23900	3240
Manganese	15	6.1 U	11.4	3020	3100	144
Mercury	0.2	0.23 J	0.2 U	0.20 UJ	0.20 UJ	0.20 UJ
Nickel	40	4.0 U	4 U	9.1 U	8.8 U	4 U
Potassium	5000	79500	600	20500	38300	4770
Selenium	5	4.0 UJ	4.0 UJ	4.0 UJ	4 U	4 U
Silver	10	5 U	5 U	5 U	5 U	5 U
Sodium	5000	61300	9310	68400	107000	57100
Thallium	10	10.0 UJ	2 U	2.0 UJ	2.0 UJ	10.0 UJ
Vanadium	50	5.8	3 U	3.7	3 U	3 U
Zinc	20	11 U	11 U	11 U	11 U	11 U

WATER QUALITY PARAMETERS

SULFIDE CRDL (mg/L)

Sulfide	0.05	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
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GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-07-02	MW-10-01	MW-11-01	MW-11-02	MW-11-03
FLOW ZONE:	BEDROCK	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN	BEDROCK
M&E SAMPLE ID:	NMW-07-02-NX-G-515-3	NMW-10-01-NX-G-516-3	NMW-11-01-NX-G-517-3	NMW-11-02-NX-G-518-3	NMW-11-03-NX-G-519-3
DATE SAMPLED:	01/31/92	01/30/92	01/31/92	01/31/92	01/31/92

REMARKS:

CYANIDE	CRDL(mg/L)				
Cyanide	10	10.0 UJ	10 U	10 U	10 U
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	16	10	76	6.3
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	1.0 U	1.0 U	1.0 UJ	1.0 U
OTHER					
Hardness	(mg/L)	218	35	249	306
pH	--	11.2	6.6	6	6.6
Specific Conductance	(umhos/cm)	1500	125	1300	1800
					550

LOCATION NAME:	MW-13-02	MW-13-02	MW-14-01	OW-27	OW-30
FLOW ZONE:	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:	NMW-13-02-FD-G-567-3	NMW-13-02-NX-G-520-3	NMW-14-01-NX-G-521-3	EW-27-00-NX-G-503-3	EW-30-00-NX-G-504-3
DATE SAMPLED:	01/30/92	01/30/92	02/04/92	01/31/92	01/31/92
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP	CRQL(ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	6 J	8 J	2 J	12
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	8 J	10 U	10 U	10 U
Acetone	10	30 U	17 U	10 U	10 U
Benzene	10	2 J	27	7 J	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 UJ	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	5 J	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	12
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	2 J	19	29	10 U
Methylene Chloride	10	26 U	33 U	16 U	13 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	22	52	2 J	10 U
Total Xylenes	10	.6 J	58	78	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U

LOCATION NAME: FLOW ZONE:		MW-13-02 DEEP OVERBURDEN	MW-13-02 DEEP OVERBURDEN	MW-14-01 DEEP OVERBURDEN	OM-27 DEEP OVERBURDEN	OM-30 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:		NMW-13-02-FD-G-567-3 01/30/92	NMW-13-02-NX-G-520-3 01/30/92	NMW-14-01-NX-G-521-3 02/04/92	EW-27-00-NX-G-503-3 01/31/92	EW-30-00-NX-G-504-3 01/31/92
REMARKS:		Field Duplicate				
Ethyl Urethane	100	50 U	50 U	50 U	50 U	50 U
M,N-DMF	50	260 J	254	495	76 U	50 U
Urethane	1000	1000 U	1000 U	1000 U	1000 U	1000 U
SEMI-VOLATILE ORGANICS		CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	5 J	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	2 J	10 U
2,2'-oxybis(1-Chloropropane)	10	10 UJ	10 UJ	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	6 J	3 J	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	5 J	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 UJ	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 UJ	10 UJ	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 UJ	10 UJ	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	10	70	73	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U	10 U

LOCATION NAME: MW-13-02 DEEP OVERBURDEN MW-14-01 DEEP OVERBURDEN MW-27 DEEP OVERBURDEN OM-30 DEEP OVERBURDEN
FLOW ZONE: MW-13-02 DEEP OVERBURDEN MW-14-01 DEEP OVERBURDEN MW-27 DEEP OVERBURDEN OM-30 DEEP OVERBURDEN
M&E SAMPLE ID: MWJ-13-02-FD-G-567-3 MWJ-13-02-NX-G-520-3 MWJ-14-01-NX-G-521-3 EOW-27-00-NX-G-503-3 EOW-30-00-NX-G-504-3
DATE SAMPLED: 01/30/92 01/30/92 02/04/92 01/31/92 01/31/92

REMARKS: Field Duplicate

Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	2 J	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10	1 J	10 U	10 U	16	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	9 J	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U	10 U

PESTICIDES/PCBs CRQL(ug/L)

4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.016 J	0.10 U	0.11 U
Aldrin	0.05	0.050 U	0.050 U	0.0043 J	0.050 U	0.053 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U

LOCATION NAME:		MW-13-02	MW-13-02	MW-14-01	OW-27	OW-30
FLOW ZONE:		DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:		NMW-13-02-FD-G-567-3	NMW-13-02-NX-G-520-3	NMW-14-01-NX-G-521-3	EW-27-00-NX-G-503-3	EW-30-00-NX-G-504-3
DATE SAMPLED:		01/30/92	01/30/92	02/04/92	01/31/92	01/31/92
REMARKS:						
Field Duplicate						
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U	2.1 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U	1.1 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endosulfan I	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.053 U
Endosulfan II	0.10	0.10 U	0.10 U	0.0066 J	0.10 U	0.11 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U	0.11 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.0066 J	0.11 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.0063 J	0.050 U	0.053 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U	0.53 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U	5.3 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.053 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.0036 J	0.050 U	0.053 U
beta-BHC	0.05	0.050 U	0.050 U	0.094 J	0.050 U	0.053 U
delta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.053 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.053 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U	0.053 U
METALS - UNFILTERED						
		CRDL(mg/L)				
Aluminum	200	15300	15300	5110	23400	9700
Antimony	60	31.0 UJ	31.0 UJ	8 U	31.0 UJ	8 U
Arsenic	10	2 U	2 U	7.0 U	2 U	2.6 U
Barium	200	123	124	141	233	48.9
Beryllium	5	3.1	3.1	1.0 UJ	1.8	1.5 J
Cadmium	5	1.4 U	1.3 U	1 U	33.8 J	1 U
Calcium	5000	24500	24700	58100	87600	17900
Chromium	10	8.9 U	9.6 U	5.6 J	66.9	6.8 J
Cobalt	50	9.3	9.3	8.2	35.1	3 U
Copper	25	25.2 U	26.3 J	35.8	53.0 J	19.8 U
Iron	100	81600	81700	59700	153000	46300
Lead	3	15.7 U	17.3 U	13.4 U	148	15.9
Magnesium	5000	8430	8390	44700	7110	3260

LOCATION NAME:		MW-13-02	MW-13-02	MW-14-01	MW-27	MW-30
FLOW ZONE:		DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:		NMW-13-02-FD-G-567-3	NMW-13-02-NX-G-520-3	NMW-14-01-NX-G-521-3	EDW-27-00-NX-G-503-3	EDW-30-00-NX-G-504-3
DATE SAMPLED:		01/30/92	01/30/92	02/04/92	01/31/92	01/31/92
REMARKS:						
Field Duplicate						
Manganese	15	4240	4320	290	969	1090
Mercury	0.2	0.2 U	0.2 U	R	0.29	R
Nickel	40	10.4	10.1	14.4	81.0	9.2
Potassium	5000	5850	6050	119000	10600	8310
Selenium	5	4.0 UJ	20.0 UJ	20.0 UJ	20.0 UJ	4.0 UJ
Silver	10	5 U	5 U	2 U	5 U	2 U
Sodium	5000	11200	11500	101000	9990 J	6470
Thallium	10	2 U	2.0 UJ	2.0 UJ	2 U	2.0 UJ
Vanadium	50	23.3	22.9	15.6	27.4 J	6.5
Zinc	20	119	117	28.8 U	6320	35.5 U
METALS - FILTERED						
	CRDL(ug/L)					
Aluminum	200	66 U	66 U	66 U	66 U	66 U
Antimony	60	31.0 UJ	31.0 UJ	31 U	31.5	31 U
Arsenic	10	2 U	2 U	6.6 U	2.1 U	2 U
Barium	200	39.1	37.5	112	79.6 J	13.4 U
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1.2 U	3.3 U	1 U	1 U	1 U
Calcium	5000	22700	22600	59200	75500	17300
Chromium	10	2 U	2 U	8.5 UJ	183 J	3.6 U
Cobalt	50	7.9	9.4	7.0 U	3.7 U	3.0 U
Copper	25	3 U	3 U	3 U	R	3 U
Iron	100	56400 J	56400 J	49400 J	101000 J	20900 J
Lead	3	2.3 U	2.2 U	3.1 U	2.9 U	2.3 UJ
Magnesium	5000	6070	6020	44200	3450	1670
Manganese	15	3860	3850	145	620	397
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.20 UJ	0.20 U
Nickel	40	4 U	4 U	14.2 U	102 J	4.3 U
Potassium	5000	2780	2750	116000	6630	6760
Selenium	5	4.0 UJ	4.0 UJ	20.0 UJ	4 U	4.0 UJ
Silver	10	5 U	5 U	5 U	5 U	5.0 U
Sodium	5000	9970	9930	100000	11300 J	7880
Thallium	10	2 U	2 U	10.0 UJ	2.0 UJ	2.0 UJ
Vanadium	50	3 U	3 U	9.3	4.0	3.0 U
Zinc	20	11 U	11.9	11.4	R	11 U
WATER QUALITY PARAMETERS						
SULFIDE	CRDL (mg/L)					
Sulfide	0.05	1.0 U	1.0 U	4.94	1.0 U	1.0 U

GROUNDWATER - JANUARY/FEBRUARY 1992 (01/29/92-02/05/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-13-02	MW-13-02	MW-14-01	OW-27	OW-30
FLOW ZONE:	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN
N&E SAMPLE ID:	NMW-13-02-FD-G-567-3	NMW-13-02-NX-G-520-3	NMW-14-01-NX-G-521-3	EW-27-00-NX-G-503-3	EW-30-00-NX-G-504-3
DATE SAMPLED:	01/30/92	01/30/92	02/04/92	01/31/92	01/31/92
REMARKS:	Field Duplicate				

CYANIDE	CRDL(mg/L)				
Cyanide	10	10 U	10.0 UJ	10 U	10.0 UJ
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	44 J	73 J	220	75
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	36 J	41	20	8.7
OTHER					
Hardness	(mg/L)	96	96	329	248
pH	--	NA	6.7	6.7	6.4
Specific Conductance	(umhos/cm)	NA	550	1600	700
					175

GROUNDWATER (MONITORING WELLS) - APRIL 1992

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-01-01-NX-G-602-4 04/08/92	NMW-01-02-NX-G-603-4 04/08/92	NMW-05-01-NX-G-605-4 04/10/92	NMW-05-02-NX-G-606-4 04/10/92	NMW-06-01-NX-G-607-4 04/08/92
REMARKS:					

VOLATILE ORGANICS-CLP	CRQL(ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	10 U	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U	10 U
Benzene	10	32 U	10 U	10 U	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	11	10 U	10 U	3 J
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	10 U	10 U
Chloroethane	10	10 U	10 U	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	10 U	10 U	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	10 U	10 U	10 U
Total Xylenes	10	10 U	10 U	10 U	10 U
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS	QL(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-602-4	NMW-01-02-NX-G-603-4	NMW-05-01-NX-G-605-4	NMW-05-02-NX-G-606-4	NMW-06-01-NX-G-607-4
DATE SAMPLED:	04/08/92	04/08/92	04/10/92	04/10/92	04/08/92
REMARKS:					
Ethyl Urethane	100	50 U	50 U	50 U	50 U
N,N-DMF	50	50 U	50 U	50 U	50 U
Urethane	1000	1000 U	1000 U	1000 U	1000 U
SEMIVOLATILE ORGANICS	CROL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	10 U	10 U	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	10 U	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	25	25 U	25 U	25 U	25 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	10	10 U	10 U	10 U	10 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME:	MW-01-01	MW-01-02	MW-05-01	MW-05-02	MW-06-01
FLOW ZONE:	SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-602-4	NMW-01-02-NX-G-603-4	NMW-05-01-NX-G-605-4	NMW-05-02-NX-G-606-4	NMW-06-01-NX-G-607-4
DATE SAMPLED:	04/08/92	04/08/92	04/10/92	04/10/92	04/08/92
REMARKS:					
Benzo(b)fluoranthene	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10 U	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10 U	10 U	10 U	10 U	10 U
Carbazole	10 U	10 U	10 U	10 U	10 U
Chrysene	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10 U	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	10 U	10 U	10 U	10 U	10 U
Diethylphthalate	10 U	10 U	10 U	10 U	10 U
Dimethylphthalate	10 U	10 U	10 U	10 U	10 U
Fluoranthene	10 U	10 U	10 U	10 U	10 U
Fluorene	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10 U	10 U	10 U	10 U	10 U
Hexachloroethane	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10 U	10 U	10 U	10 U	10 U
Isophorone	10 U	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10 U	10 U	10 U	10 U	10 U
Naphthalene	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	25 U	25 U	25 U	25 U	25 U
Phenanthrene	10 U	10 U	10 U	10 U	10 U
Phenol	10 U	7 U	10 U	10 U	10 U
Pyrene	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10 U	10 U	10 U	10 U	10 U
PESTICIDES/PCBS					
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.050 U	0.050 U	0.05 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U

CRQL(ug/L)

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID:	MMW-01-01-NX-G-602-4	MMW-01-02-NX-G-603-4	MMW-05-01-NX-G-605-4	MMW-05-02-NX-G-606-4	MMW-06-01-NX-G-607-4
DATE SAMPLED:	04/08/92	04/08/92	04/10/92	04/10/92	04/08/92
REMARKS:					
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	0.050 U	0.050 U	0.05 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	0.050 U	0.050 U	0.05 U
Heptachlor Epoxide	0.05	0.05 U	0.050 U	0.050 U	0.05 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.05 U	0.050 U	0.050 U	0.05 U
alpha-Chlordane	0.05	0.05 U	0.050 U	0.050 U	0.05 U
beta-BHC	0.05	0.05 U	0.050 U	0.050 U	0.05 U
delta-BHC	0.05	0.05 U	0.050 U	0.050 U	0.05 U
gamma-BHC(Lindane)	0.05	0.05 U	0.050 U	0.050 U	0.05 U
gamma-Chlordane	0.05	0.05 U	0.050 U	0.050 U	0.05 U

CRDL (mg/L)

METALS - UNFILTERED

Aluminum	10800	155 U	18400 J	7870 J	2780
Antimony	60	16 U	17.5	16 U	16 U
Arsenic	10	1 U	1 U	1 U	1 U
Barium	200	18.6 J	61.2	34.7	60.8 J
Beryllium	5	1 U	2.7	1 U	1 U
Cadmium	5	2.2 U	2 UJ	2 UJ	2 U
Calcium	5000	14100	6230	5760	6350
Chromium	10	3 U	22.3 J	5.7 UJ	4.2
Cobalt	50	3 U	10.1	3.7	3.7 U
Copper	25	2.1 U	55.9	28.7	7.4 U
Iron	100	30900	28000 J	9210 J	10900
Lead	3	5.8 UJ	24 J	6.8 UJ	4.8 U
Magnesium	5000	1500	4880	3760	2400

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:	MW-01-01 SHALLOW OVERBURDEN	MW-01-02 BEDROCK	MW-05-01 SHALLOW OVERBURDEN	MW-05-02 DEEP OVERBURDEN	MW-06-01 SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-602-4	NMW-01-02-NX-G-603-4	NMW-05-01-NX-G-605-4	NMW-05-02-NX-G-606-4	NMW-06-01-NX-G-607-4
DATE SAMPLED:	04/08/92	04/08/92	04/10/92	04/10/92	04/08/92

REMARKS:

Manganese	15	444	330	636	338	220
Mercury	0.2	0.2 U	0.2 U	0.2 UJ	0.2 UJ	0.2 U
Nickel	40	9.3	4.8	14.4 U	7.4 U	3.6
Potassium	5000	4370	2590	4330	3460	16500
Selenium	5	0 R	0 R	20 UJ	20 UJ	0 R
Silver	10	0 R	0 R	2 U	2 U	0 R
Sodium	5000	13000	13600	8130	8060	15000
Thallium	10	1 UJ	1 UJ	2 UJ	2 UJ	1 UJ
Vanadium	50	6.4 U	2.9 U	24	8.8 U	5.7 U
Zinc	20	28.2 J	11 UJ	75.1 J	48.4 J	11 UJ

METALS - FILTERED CRDL(ug/L)

Aluminum	200	55 U	23.4 U	22 U	22 U	84.8 U
Antimony	60	15.3 U	11 U	16 U	16 U	11 U
Arsenic	10	2 UJ	2 U	2 U	2 UJ	2 U
Barium	200	7.6 U	8.9 U	2.3 U	1 U	47.1
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1 U	1 U	2 U	2 U	1 U
Calcium	5000	4190	14500	5230	5150	5980
Chromium	10	5 UJ	5 UJ	3 U	3 U	5 UJ
Cobalt	50	7.8 U	2 U	3 U	3 U	3.9 U
Copper	25	4 U	4 U	2 U	2 U	4 U
Iron	100	25 U	83.7 U	23 U	23 U	3040
Lead	3	1.8 U	1.9 U	4.8 U	1.5 U	2.5 U
Magnesium	5000	756	1560	1670	1590	1810
Manganese	15	47.4	64.8	26.4	9 U	172
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	5 U	5 U	3 U	3 U	5 U
Potassium	5000	1950	2820	747	787	16400
Selenium	5	4 UJ	20 UJ	4 UJ	4 UJ	4 UJ
Silver	10	3 U	3 U	2 U	2 U	3 U
Sodium	5000	14000	14300	7800	7770	15300
Thallium	10	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Vanadium	50	2 U	2 U	2 U	2 U	2 U
Zinc	20	8 UJ	8 UJ	11 UJ	18.4 J	8 UJ

WATER QUALITY PARAMETERS

CYANIDE CRDL(mg/L)

Cyanide	10	10 U	10 U	10 UJ	10 U
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LOCATION NAME:	MW-01-01	MW-01-02	MW-05-01	MW-05-02	MW-06-01
FLOW ZONE:	SHALLOW OVERBURDEN	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN
M&E SAMPLE ID:	NMW-01-01-NX-G-602-4	NMW-01-02-NX-G-603-4	NMW-05-01-NX-G-605-4	NMW-05-02-NX-G-606-4	NMW-06-01-NX-G-607-4
DATE SAMPLED:	04/08/92	04/08/92	04/10/92	04/10/92	04/08/92
REMARKS:					

AMMONIA	QL(mg/L)				
Ammonia	0.03	0.0300 U	0.0750	0.0300 U	0.320
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	9.3	12.7	9.7	29.3
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	1.0 U	2.2	1.0	4.9
OTHER					
Hardness	(mg/L)	41	41	36	26
pH	--	7.7	8.35	5.87	6.37
Specific Conductance	(umhos/cm)	100	150	78	2500

LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MMW-06-02-NX-G-608-4 04/08/92	MMW-07-01-FD-G-669-4 04/09/92	MMW-07-01-NX-G-609-4 04/09/92	MMW-07-02-NX-G-610-4 04/09/92	MMW-08-01-NX-G-611-4 04/10/92
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP CRQL(ug/L)

1,1,1-Trichloroethane	10	10 U	10 U	2 J	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	20	18	22	10 U
1,1-Dichloroethane	10	10 U	10 U	1 J	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane(total)	10	140	120	78	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	10 U
2-Butanone	10	10 U	10 U	11	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 UJ	10 UJ	50 U	10 U
Benzene	10	8 J	6 J	5 J	10 U
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	10 U	10 U	18 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	4 J	10 U	10 U	10 U
Chloroethane	10	58	15	10 U	10 U
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	12	19	10 U	10 U
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethane	10	10 U	10 U	10 U	10 U
Toluene	10	10 U	46	10 U	10 U
Total Xylenes	10	6 J	42	2 J	10 U
Trichloroethane	10	10 U	10 U	2 J	10 U
Vinyl Chloride	10	10 U	170	12	10 U
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U

WATER SOLUBLE ORGANICS QL(ug/L)

Acrylonitrile	50	50 U	50 U	50 U	50 U
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LOCATION NAME:	MW-06-02	MW-07-01	MW-07-01	MW-07-02	MW-08-01
FLOW ZONE:	DEEP OVERBURDEN	DEEP OVERBURDEN	DEEP OVERBURDEN	BEDROCK	DEEP OVERBURDEN
M&E SAMPLE ID:	MMW-06-02-NX-G-608-4	MMW-07-01-FD-G-669-4	MMW-07-01-NX-G-609-4	MMW-07-02-NX-G-610-4	MMW-08-01-NX-G-611-4
DATE SAMPLED:	04/08/92	04/09/92	04/09/92	04/09/92	04/10/92
REMARKS:	Field Duplicate				
Ethyl Urethane	100	50 U	50 U	50 U	50 U
N,N-DMF	50	50 U	50 U	1270	50 U
Urethane	1000	1000 U	1000 U	1000 U	1000 U
SEMIVOLATILE ORGANICS	CRQL (ug/L)				
1,2,4-Trichlorobenzene	10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene	10	1 J	1 J	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	10	3 J	4 J	10 U	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	10	10 U	10 U	10 U	10 U
2-Methylphenol	10	10 U	10 U	10 U	10 U
2-Nitroaniline	25	25 U	25 U	25 U	25 U
2-Nitrophenol	10	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U	10 U	10 U
3-Nitroaniline	25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	10	0.9 J	10 U	10 U	10 U
4-Chloroaniline	10	10 U	10 U	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U	10 U	10 U
4-Methylphenol	10	10 U	10 U	10 U	10 U
4-Nitroaniline	10	5 J	8 J	10 U	10 U
4-Nitrophenol	25	25 U	25 U	25 U	25 U
Acenaphthene	25	25 U	25 U	25 U	25 U
Acenaphthylene	10	10 U	10 U	10 U	10 U
Anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U	10 U	10 U

LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MMW-06-02-NX-G-608-4 04/08/92	MMW-07-01-FD-G-669-4 04/09/92	MMW-07-01-NX-G-609-4 04/09/92	MMW-07-02-NX-G-610-4 04/09/92	MMW-08-01-NX-G-611-4 04/10/92
REMARKS:	Field Duplicate				
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	11	12	10 U	10 U
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	2 J	2 J	10 U	10 U
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	0.9 J	10 U	10 U	10 U
PESTICIDES/PCBs	CRGL (ug/L)				
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.05 U	0.05 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U

LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-06-02-NX-G-608-4 04/08/92	NMW-07-01-FD-G-669-4 04/09/92	NMW-07-01-NX-G-609-4 04/09/92	NMW-07-02-NX-G-610-4 04/09/92	NMW-08-01-NX-G-611-4 04/10/92
REMARKS:	Field Duplicate				
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.05 U	0.05 U	0.050 U	0.050 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.05 U	0.05 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.05 U	0.05 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.05 U	0.05 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.05 U	0.05 U	0.050 U	0.050 U
beta-BHC	0.05	0.05 U	0.05 U	0.050 U	0.050 U
delta-BHC	0.05	0.0056 J	0.05 U	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.05 U	0.05 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.05 U	0.05 U	0.050 U	0.050 U
METALS - UNFILTERED	CRDL(mg/L)				
Aluminum	200	32800 J	18900 J	278 J	6990 J
Antimony	60	16 U	16 U	16 U	16 U
Arsenic	10	1.7 U	1.9 U	1 U	1.4 U
Barium	200	232 J	118	25.8	77.8
Beryllium	5	4.3	2.4	1 U	1.1
Cadmium	5	2.8 U	2 UJ	2 UJ	2 UJ
Calcium	5000	65000	29400	40500	9150
Chromium	10	18.6	43.5 J	7.2 UJ	8.9 UJ
Cobalt	50	11.8 U	11	3 U	3.2
Copper	25	41.3	86 J	2.8 U	43.6
Iron	100	37700	125000 J	241 UJ	70400 J
Lead	3	4.6 U	37.6 J	1.6 UJ	7.8 J
Magnesium	5000	22900	9970	1300	3400

LOCATION NAME: MW-06-02 DEEP OVERBURDEN MW-07-01 DEEP OVERBURDEN MW-07-02 BEDROCK MW-08-01 DEEP OVERBURDEN
FLOW ZONE: MW-06-02 DEEP OVERBURDEN MW-07-01 DEEP OVERBURDEN MW-07-02 BEDROCK MW-08-01 DEEP OVERBURDEN
P&E SAMPLE ID: NMM-06-02-NX-G-608-4 NMM-07-01-FD-G-669-4 NMM-07-01-NX-G-610-4 NMM-08-01-NX-G-611-4
DATE SAMPLED: 04/08/92 04/09/92 04/09/92 04/10/92

REMARKS: Field Duplicate

Manganese	15	1500	2010	1510	6.1 U	510
Mercury	0.2	0.2 U	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	40	15.8	30.2 J	16.5 UJ	3 U	4.2 U
Potassium	5000	43800	18800	15200	67700	4610
Selenium	5	0 R	20 UJ	20 UJ	4 UJ	20 UJ
Silver	10	0 R	2 U	2 U	2 U	2 U
Sodium	5000	101000	18000	17100	52500	9260
Thallium	10	5 UJ	2 UJ	2 UJ	10 UJ	2 UJ
Vanadium	50	6.1 U	40.4	23.4	8.7 U	9.1 U
Zinc	20	18.8 J	188 J	0 R	13.3 J	42.3 J

METALS - FILTERED CRDL (ug/L)

Aluminum	200	21 U	38.6 U	22 U	24 U	58.8 U
Antimony	60	11 U	16 U	16 U	16 U	16 U
Arsenic	10	2.5 U	2 U	2.7 U	2 U	2 U
Barium	200	215	33.5	39.9	28.7	21.6 U
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	1 U	2 U	2 U	2 U	2 U
Calcium	5000	65000	27300	27900	36300	8740
Chromium	10	5 UJ	3 U	3 U	3 U	3 U
Cobalt	50	9.4 U	3 U	3 U	3 U	3.8 U
Copper	25	4 U	2 U	2 U	3.6 U	2 U
Iron	100	34000	81800	88900	51.1 U	5320
Lead	3	2.2 U	2.9 U	3.2 U	1.6 U	1.9 U
Magnesium	5000	22200	3320	3370	505	2320
Manganese	15	1340	1060	1200	2.6 U	416
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	5.8	3 U	3 U	3 U	3 U
Potassium	5000	44000	10800	11100	69400	2700
Selenium	5	4 UJ	20 U	4 U	4 U	4 U
Silver	10	3 U	2 U	2 U	2 U	2 U
Sodium	5000	104000	15900	16000	55000	9020
Thallium	10	2 UJ	2 UJ	2 UJ	10 UJ	2 UJ
Vanadium	50	2.9 U	2.9 U	3.6 U	10.5 U	2 U
Zinc	20	8 UJ	11 UJ	11 UJ	11 UJ	11 UJ

WATER QUALITY PARAMETERS

CYANIDE CRDL (mg/L)

Cyanide	10	10 U	10 UJ	10 UJ	10 UJ	10 UJ
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LOCATION NAME: FLOW ZONE:	MW-06-02 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-01 DEEP OVERBURDEN	MW-07-02 BEDROCK	MW-08-01 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	NMW-06-02-NX-G-608-4 04/08/92	NMW-07-01-FD-G-669-4 04/09/92	NMW-07-01-NX-G-609-4 04/09/92	NMW-07-02-NX-G-610-4 04/09/92	NMW-08-01-NX-G-611-4 04/10/92
REMARKS:	Field Duplicate				

AMMONIA	QL(mg/L)				
Ammonia	0.03	51.7	5.14	6.02	0.0340
TOTAL ORGANIC CARBON	QL(mg/L)				
Total Organic Carbon	0.5	84.9	60.3 J	85.6 J	15.4
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)				
Biochemical Oxygen Demand	1.0	27.3	NA	NA	1.0
OTHER					
Hardness	(mg/L)	257	114	102	37
pH	--	6.63	NA	6.45	6.74
Specific Conductance	(umhos/cm)	730	NA	585	120

LOCATION NAME:	MW-08-02	MW-12-01	MW-12-02	MW-11	OW-27
FLOW ZONE:	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:	NMW-08-02-NX-G-612-4	NMW-12-01-NX-G-613-4	NMW-12-02-NX-G-614-4	EW-02-00-NX-G-604-4	EW-27-00-FD-G-667-4
DATE SAMPLED:	04/10/92	04/09/92	04/09/92	04/09/92	04/10/92
REMARKS:	Field Duplicate				

VOLATILE ORGANICS-CLP

	CRQL (ug/L)				
1,1,1-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1,2,2-Tetrachloroethane	10	10 U	10 U	10 U	10 U
1,1,2-Trichloroethane	10	10 U	10 U	10 U	10 U
1,1-Dichloroethane	10	3 J	10 U	10 U	2 J
1,1-Dichloroethene	10	10 U	10 U	10 U	10 U
1,2-Dichloroethane	10	10 U	10 U	10 U	10 U
1,2-Dichloroethene(total)	10	10 U	1 J	10 U	10 U
1,2-Dichloropropane	10	10 U	10 U	10 U	6 J
2-Butanone	10	10 U	10 U	10 U	10 U
2-Hexanone	10	10 U	10 U	10 U	10 U
4-Methyl-2-pentanone	10	10 U	10 U	10 U	10 U
Acetone	10	10 U	10 U	10 U	10 U
Benzene	10	1 J	10 U	300	400
Bromodichloromethane	10	10 U	10 U	10 U	10 U
Bromoform	10	10 U	10 U	10 U	10 U
Bromomethane	10	10 U	10 U	10 U	10 U
Carbon Disulfide	10	2 J	10 U	10 U	10 U
Carbon Tetrachloride	10	10 U	10 U	10 U	10 U
Chlorobenzene	10	10 U	10 U	1 J	4 J
Chloroethane	10	9 J	10 U	10 U	6 J
Chloroform	10	10 U	10 U	10 U	10 U
Chloromethane	10	10 U	10 U	10 U	10 U
Dibromochloromethane	10	10 U	10 U	10 U	10 U
Ethylbenzene	10	3 J	10 U	10 U	22
Methylene Chloride	10	10 U	10 U	10 U	10 U
Styrene	10	10 U	10 U	10 U	10 U
Tetrachloroethene	10	10 U	10 U	10 U	10 U
Toluene	10	12	10 U	110	10 U
Total Xylenes	10	9 J	10 U	10 U	51
Trichloroethene	10	10 U	10 U	10 U	10 U
Vinyl Chloride	10	10 U	10 U	10 U	9 J
cis-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
trans-1,3-Dichloropropene	10	10 U	10 U	10 U	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)				
Acrylonitrile	50	50 U	50 U	50 U	50 U

LOCATION NAME: FLOW ZONE:		MW-08-02 BEDROCK	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-11 SHALLOW OVERBURDEN	OM-27 DEEP OVERBURDEN
W&E SAMPLE ID: DATE SAMPLED:		NMW-08-02-NX-G-612-4 04/10/92	NMW-12-01-NX-G-613-4 04/09/92	NMW-12-02-NX-G-614-4 04/09/92	EW-02-00-NX-G-604-4 04/09/92	EW-27-00-FD-G-667-4 04/10/92
REMARKS:						
		Field Duplicate				
SEMIVOLATILE ORGANICS		CRQL (ug/L)				
Ethyl Urethane		100	50 U	50 U	50 U	50 U
N,N-DMF		50	50 U	50 U	50 U	50 U
Urethane		1000	1000 U	1000 U	1000 U	1000 U
1,2,4-Trichlorobenzene		10	10 U	10 U	10 U	10 U
1,2-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene		10	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene		10	1 U	10 U	10 U	2 J
2,2'-oxybis(1-Chloropropane)		10	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol		25	25 U	25 U	25 U	25 U
2,4,6-Trichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dichlorophenol		10	10 U	10 U	10 U	10 U
2,4-Dimethylphenol		10	10 U	10 U	10 U	10 U
2,4-Dinitrophenol		25	25 U	25 U	25 U	25 U
2,4-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene		10	10 U	10 U	10 U	10 U
2-Chloronaphthalene		10	10 U	10 U	10 U	10 U
2-Chlorophenol		10	10 U	10 U	10 U	10 U
2-Methylnaphthalene		10	10 U	10 U	10 U	10 U
2-Methylphenol		10	0,9 J	10 U	10 U	3 J
2-Nitroaniline		25	25 U	25 U	25 U	10 U
2-Nitrophenol		10	10 U	10 U	10 U	25 U
3,3'-Dichlorobenzidine		10	10 U	10 U	10 U	10 U
3-Nitroaniline		25	25 U	25 U	25 U	25 U
4,6-Dinitro-2-methylphenol		25	25 U	25 U	25 U	25 U
4-Bromophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol		10	10 U	10 U	10 U	6 J
4-Chloroaniline		10	10 U	10 U	1 J	10 U
4-Chlorophenyl-phenylether		10	10 U	10 U	10 U	10 U
4-Methylphenol		10	10 U	10 U	60	10 U
4-Nitroaniline		25	25 U	25 U	25 U	25 U
4-Nitrophenol		25	25 U	25 U	25 U	25 U
Acenaphthene		10	10 U	10 U	10 U	10 U
Anthracene		10	10 U	10 U	10 U	10 U
Benzo(a)anthracene		10	10 U	10 U	10 U	10 U
Benzo(a)pyrene		10	10 U	10 U	10 U	10 U

LOCATION NAME:	MW-08-02 BEDROCK	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-11 SHALLOW OVERBURDEN	MW-27 DEEP OVERBURDEN
FLOW ZONE:					
M&E SAMPLE ID:	NMW-08-02-NX-G-612-4	NMW-12-01-NX-G-613-4	NMW-12-02-NX-G-614-4	EDW-02-00-NX-G-604-4	EDW-27-00-FD-G-667-4
DATE SAMPLED:	04/10/92	04/09/92	04/09/92	04/09/92	04/10/92
REMARKS:					Field Duplicate
Benzo(b)fluoranthene	10	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U	10 U	10 U
Carbazole	10	10 U	10 U	10 U	10 U
Chrysene	10	10 U	10 U	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U	10 U	0.9 J
Di-n-octylphthalate	10	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U	10 U	10 U
Dibenzofuran	10	10 U	10 U	10 U	10 U
Diethylphthalate	10	10 U	10 U	10 U	13 J
Dimethylphthalate	10	10 U	10 U	10 U	10 U
Fluoranthene	10	10 U	10 U	10 U	10 U
Fluorene	10	10 U	10 U	10 U	10 U
Hexachlorobenzene	10	10 U	10 U	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U	10 U	10 U
Hexachloroethane	10	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U	10 U	10 U
Isophorone	10	10 U	10 U	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U	10 U	10 U
Naphthalene	10	0.8 J	10 U	10 U	4 J
Nitrobenzene	10	10 U	10 U	10 U	10 U
Pentachlorophenol	25	25 U	25 U	25 U	25 U
Phenanthrene	10	10 U	10 U	10 U	10 U
Phenol	10	10 U	10 U	10 U	10 U
Pyrene	10	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U	10 U	10 U
PESTICIDES/PCBs	CRQL (ug/L)				
4,4'-DDD	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U	1.0 U	1.0 U

LOCATION NAME: FLOW ZONE:	MW-08-02 BEDROCK	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-11 SHALLOW OVERBURDEN	MW-27 DEEP OVERBURDEN
M&E SAMPLE ID: DATE SAMPLED:	MWJ-08-02-NX-G-612-4 04/10/92	MWJ-12-01-NX-G-613-4 04/09/92	MWJ-12-02-NX-G-614-4 04/09/92	EDW-02-00-NX-G-604-4 04/09/92	EDW-27-00-FD-G-667-4 04/10/92
REMARKS:	Field Duplicate				
Aroclor-1221	2.0	2.0 U	2.0 U	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan I	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Endosulfan II	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U	0.050 U	0.050 U
delta-BHC	0.05	0.0087 J	0.050 U	0.010 J	0.050 U
gamma-BHC(L Indane)	0.05	0.050 U	0.050 U	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U	0.050 U	0.050 U
METALS - UNFILTERED	CRDL(mg/L)				
Aluminum	200	13900 J	55.9 UJ	24200 J	13000 J
Antimony	60	16 U	16 U	16 U	16 U
Arsenic	10	1.1 U	1 U	2.2 U	2.9 U
Barium	200	146	8.4 U	125	136
Beryllium	5	2.6	1 U	3.4	1.6
Cadmium	5	2 UJ	2 UJ	2 UJ	20.6 J
Calcium	5000	14300	5520	13300	78800
Chromium	10	15.7 UJ	5 UJ	54.3 J	28 J
Cobalt	50	8.3	3 U	26.2	24.4
Copper	25	21.6 U	64.8	43 J	23 J
Iron	100	9430 J	8830 J	114000 J	113000 J
Lead	3	34.7 J	2.2 UJ	39.9 J	67.2 J
Magnesium	5000	4310	1140	7100	4840

LOCATION NAME:	MW-08-02	MW-12-01	MW-12-02	MW-11	MW-27
FLOW ZONE:	BEDROCK	SHALLOW OVERBURDEN	DEEP OVERBURDEN	SHALLOW OVERBURDEN	DEEP OVERBURDEN
M&E SAMPLE ID:	NMM-08-02-NX-G-612-4	NMM-12-01-NX-G-613-4	NMM-12-02-NX-G-614-4	EDM-02-00-NX-G-604-4	EDM-27-00-FD-G-667-4
DATE SAMPLED:	04/10/92	04/09/92	04/09/92	04/09/92	04/10/92
REMARKS:	Field Duplicate				

Manganese	15	3380	6960	1410	4290	783
Mercury	0.2	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ	0.2 UJ
Nickel	40	3.2 U	15.4 U	19.3 U	49.4 J	43.1 J
Potassium	5000	4420	5960	1640	8070	7420
Selenium	5	4 UJ	20 UJ	4 UJ	20 UJ	20 UJ
Silver	10	2 U	2 U	2 U	2 U	2 U
Sodium	5000	10600	7930	7220	7130 J	8300 J
Thallium	10	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Vanadium	50	2 U	19.7	3.1 U	35.2	18.9
Zinc	20	11 U	52.6 J	54.8 J	192 J	2770 J

METALS - FILTERED CRDL(ug/L)

Aluminum	200	32.7 U	31.2 U	22 U	22 U	36.8 U
Antimony	60	16 U	16 U	16 U	16 U	16 U
Arsenic	10	2 U	2 U	2 U	2 U	2 U
Barium	200	95.3	76.2	6 U	29.2	65.6
Beryllium	5	1 U	1 U	1 U	1 U	1 U
Cadmium	5	2 U	2.1 U	2 U	2.6 U	2 U
Calcium	5000	20900	14000	5360	11300	66400
Chromium	10	3 U	3 U	3 U	3 U	3 U
Cobalt	50	3 U	3 U	3 U	13.4 U	3 U
Copper	25	2 U	2.9 U	2.6 U	2 U	2 U
Iron	100	5770	73900	4740	80300	90300
Lead	3	2.1 U	1.5 U	4.2 U	5 U	2.9
Magnesium	5000	3590	2940	1150	2790	2780
Manganese	15	2800	6770	1250	3680	630
Mercury	0.2	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	40	3 U	3 U	18.3	3 U	3 U
Potassium	5000	4340	4120	1680	2720	4900
Selenium	5	4 UJ	4 UJ	4 UJ	4 UJ	4 UJ
Silver	10	2 U	2 U	2 U	2 U	2 U
Sodium	5000	10800	7590	7190	5430	8370
Thallium	10	2 UJ	2 UJ	2 UJ	2 UJ	2 UJ
Vanadium	50	2 U	2.3 U	2 U	2 U	2 U
Zinc	20	11 UJ	23 J	35.8 J	11 UJ	11 UJ

WATER QUALITY PARAMETERS

CYANIDE	CRDL(mg/L)	10	10 UJ	10 UJ	10 UJ	10 UJ
Cyanide						

GROUNDWATER - APRIL 1992 (04/07/92-04/15/92)
ROSE HILL ANALYTICAL DATA

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LOCATION NAME: FLOW ZONE:		MW-08-02 BEDROCK	MW-12-01 SHALLOW OVERBURDEN	MW-12-02 DEEP OVERBURDEN	MW-11 SHALLOW OVERBURDEN	OM-27 DEEP OVERBURDEN
M&E SAMPLE ID:		NMW-08-02-NX-G-612-4	NMW-12-01-NX-G-613-4	NMW-12-02-NX-G-614-4	EW-02-00-NX-G-604-4	EW-27-00-FD-G-667-4
DATE SAMPLED:		04/10/92	04/09/92	04/09/92	04/09/92	04/10/92
REMARKS:						
Field Duplicate						
AMMONIA	QL(mg/L)					
Ammonia	0.03	0.880	6.03	0.500	17.1	6.28
TOTAL ORGANIC CARBON	QL(mg/L)					
Total Organic Carbon	0.5	24.0	31.4	17.3	55.0 J	99.5
BIOCHEMICAL OXYGEN DEMAND	QL(mg/L)					
Biochemical Oxygen Demand	1.0	1.6	NA	NA	13.4 J	23.1
OTHER						
Hardness	(mg/L)	81	53	18	62	217
pH	--	7.13	6.38	6.65	6.63	NA
Specific Conductance	(umhos/cm)	200	400	105	460	NA

LOCATION NAME: OW-27 OW-30
FLOW ZONE: DEEP OVERBURDEN DEEP OVERBURDEN
M&E SAMPLE ID: EDW-27-00-NX-G-600-4 EDW-30-00-NX-G-601-4
DATE SAMPLED: 04/10/92 04/09/92

REMARKS:

VOLATILE ORGANICS-CLP	CRQL (ug/L)	
1,1,1-Trichloroethane	10	10 U
1,1,2-Tetrachloroethane	10	10 U
1,1,2-Trichloroethane	10	10 U
1,1-Dichloroethane	10	2 J
1,1-Dichloroethene	10	10 U
1,2-Dichloroethane	10	10 U
1,2-Dichloroethene(total)	10	6 J
1,2-Dichloropropane	10	10 U
2-Butanone	10	10 U
2-Hexanone	10	10 U
4-Methyl-2-pentanone	10	10 U
Acetone	10	540
Benzene	10	6 J
Bromodichloromethane	10	10 U
Bromoform	10	10 U
Bromomethane	10	10 U
Carbon Disulfide	10	10 U
Carbon Tetrachloride	10	10 U
Chlorobenzene	10	5 J
Chloroethane	10	5 J
Chloroform	10	42
Chloromethane	10	10 U
Dibromochloromethane	10	10 U
Ethylbenzene	10	10 U
Methylene Chloride	10	22
Styrene	10	10 U
Tetrachloroethene	10	10 U
Toluene	10	10 U
Total Xylenes	10	50
Trichloroethene	10	10 U
Vinyl Chloride	10	8 J
cis-1,3-Dichloropropene	10	340
trans-1,3-Dichloropropene	10	10 U
WATER SOLUBLE ORGANICS	QL(ug/L)	
Acrylonitrile	50	50 U

LOCATION NAME: 04-27 04-30
FLOW ZONE: DEEP OVERBURDEN DEEP OVERBURDEN
M&E SAMPLE ID: EOW-27-00-NX-G-600-4 EOW-30-00-NX-G-601-4
DATE SAMPLED: 04/10/92 04/09/92

REMARKS:

Ethyl Urethane 100 50 U 50 U
N,N-DMF 50 50 U 142
Urethane 1000 1000 U 1000 U

SEMI-VOLATILE ORGANICS CRQL (ug/L)

1,2,4-Trichlorobenzene	10	10 U	10 U
1,2-Dichlorobenzene	10	10 U	10 U
1,3-Dichlorobenzene	10	10 U	10 U
1,4-Dichlorobenzene	10	1 J	10 U
2,2'-oxybis(1-Chloropropane)	10	10 U	10 U
2,4,5-Trichlorophenol	25	25 U	25 U
2,4,6-Trichlorophenol	10	10 U	10 U
2,4-Dichlorophenol	10	10 U	10 U
2,4-Dimethylphenol	10	1 J	10 U
2,4-Dinitrophenol	25	25 U	25 U
2,4-Dinitrotoluene	10	10 U	10 U
2,6-Dinitrotoluene	10	10 U	10 U
2-Chloronaphthalene	10	10 U	10 U
2-Chlorophenol	10	10 U	10 U
2-Methylnaphthalene	10	2 J	10 U
2-Methylphenol	10	10 U	10 U
2-Nitroaniline	25	25 U	25 U
2-Nitrophenol	10	10 U	10 U
3,3'-Dichlorobenzidine	10	10 U	10 U
3-Nitroaniline	25	25 U	25 U
4,6-Dinitro-2-methylphenol	25	25 U	25 U
4-Bromophenyl-phenylether	10	10 U	10 U
4-Chloro-3-methylphenol	10	3 J	10 U
4-Chloroaniline	10	10 U	10 U
4-Chlorophenyl-phenylether	10	10 U	10 U
4-Methylphenol	10	10 U	25
4-Nitroaniline	25	25 U	25 U
4-Nitrophenol	25	25 U	25 U
Acenaphthene	10	10 U	10 U
Acenaphthylene	10	10 U	10 U
Anthracene	10	10 U	10 U
Benzo(a)anthracene	10	10 U	10 U
Benzo(a)pyrene	10	10 U	10 U

LOCATION NAME: OW-27 DEEP OVERBURDEN OW-30 DEEP OVERBURDEN
FLOW ZONE: EOW-27-00-NX-G-600-4 EOW-30-00-NX-G-601-4
M&E SAMPLE ID: 04/10/92 04/09/92
DATE SAMPLED:

REMARKS:

Benzo(b)fluoranthene	10	10 U	10 U
Benzo(g,h,i)perylene	10	10 U	10 U
Benzo(k)fluoranthene	10	10 U	10 U
Butylbenzylphthalate	10	10 U	10 U
Carbazole	10	10 U	10 U
Chrysene	10	10 U	10 U
Di-n-butylphthalate	10	10 U	10 U
Di-n-octylphthalate	10	10 U	10 U
Dibenz(a,h)anthracene	10	10 U	10 U
Dibenzofuran	10	10 U	10 U
Diethylphthalate	10	10 U	10 U
Dimethylphthalate	10	10 U	10 U
Fluoranthene	10	10 U	10 U
Fluorene	10	10 U	10 U
Hexachlorobenzene	10	10 U	10 U
Hexachlorobutadiene	10	10 U	10 U
Hexachlorocyclopentadiene	10	10 U	10 U
Hexachloroethane	10	10 U	10 U
Indeno(1,2,3-cd)pyrene	10	10 U	10 U
Isophorone	10	10 U	10 U
N-Nitroso-di-n-propylamine	10	10 U	10 U
N-Nitrosodiphenylamine	10	10 U	10 U
Naphthalene	10	3 J	10 U
Nitrobenzene	10	10 U	10 U
Pentachlorophenol	25	25 U	25 U
Phenanthrene	10	10 U	10 U
Phenol	10	10 U	10 U
Pyrene	10	10 U	10 U
bis(2-Chloroethoxy)methane	10	10 U	10 U
bis(2-Chloroethyl) ether	10	10 U	10 U
bis(2-Ethylhexyl)phthalate	10	10 U	10 U

PESTICIDES/PCBs CRQL (ug/L)

4,4'-DDD	0.10	0.10 U	0.10 U
4,4'-DDE	0.10	0.10 U	0.10 U
4,4'-DDT	0.10	0.10 U	0.10 U
Aldrin	0.05	0.050 U	0.050 U
Aroclor-1016	1.0	1.0 U	1.0 U

LOCATION NAME: OM-27 OM-30
FLOW ZONE: DEEP OVERBURDEN DEEP OVERBURDEN
HLE SAMPLE ID: EOM-27-00-NX-G-600-4 EOM-30-00-NX-G-601-4
DATE SAMPLED: 04/10/92 04/09/92

REMARKS:

Aroclor-1221	2.0	2.0 U	2.0 U
Aroclor-1232	1.0	1.0 U	1.0 U
Aroclor-1242	1.0	1.0 U	1.0 U
Aroclor-1248	1.0	1.0 U	1.0 U
Aroclor-1254	1.0	1.0 U	1.0 U
Aroclor-1260	1.0	1.0 U	1.0 U
Dieldrin	0.10	0.10 U	0.10 U
Endosulfan I	0.05	0.050 U	0.050 U
Endosulfan II	0.10	0.10 U	0.10 U
Endosulfan Sulfate	0.10	0.10 U	0.10 U
Endrin	0.10	0.10 U	0.10 U
Endrin Aldehyde	0.10	0.10 U	0.10 U
Endrin Ketone	0.10	0.10 U	0.10 U
Heptachlor	0.05	0.050 U	0.050 U
Heptachlor Epoxide	0.05	0.050 U	0.050 U
Methoxychlor	0.50	0.50 U	0.50 U
Toxaphene	5.0	5.0 U	5.0 U
alpha-BHC	0.05	0.050 U	0.050 U
alpha-Chlordane	0.05	0.050 U	0.050 U
beta-BHC	0.05	0.050 U	0.050 U
delta-BHC	0.05	0.050 U	0.050 U
gamma-BHC(Lindane)	0.05	0.050 U	0.050 U
gamma-Chlordane	0.05	0.050 U	0.050 U

CRDL(mg/L)

METALS - UNFILTERED

Aluminum	200	11000 J	3460 J
Antimony	60	16 U	16 U
Arsenic	10	2.8 U	1 U
Barium	200	128	27.6
Beryllium	5	1.6	1 U
Cadmium	5	18.5 J	2 UJ
Calcium	5000	69500	22600
Chromium	10	24.3 J	8.1 UJ
Cobalt	50	19.8	3 U
Copper	25	19.4 UJ	8.2 U
Iron	100	108000 J	38200 J
Lead	3	72.5 J	11.6 UJ
Magnesium	5000	4330	2760

LOCATION NAME:
FLOW ZONE:

OM-27 DEEP OVERBURDEN OM-30 DEEP OVERBURDEN

M&E SAMPLE ID:
DATE SAMPLED:

EOM-27-00-WX-G-600-4 04/10/92 EOM-30-00-WX-G-601-4 04/09/92

REMARKS:

Manganese	15	762	926
Mercury	0.2	0.5 J	0.2 UJ
Nickel	40	37.5 J	7.7 U
Potassium	5000	6670	6690
Selenium	5	20 UJ	4 UJ
Silver	10	2 U	2 U
Sodium	5000	8270 J	6730
Thallium	10	2 UJ	2 UJ
Vanadium	50	15.4	6 U
Zinc	20	2730 J	23.6 J

METALS - FILTERED

CRDL(ug/L)

Aluminum	200	22 U	22 U
Antimony	60	16 U	16 U
Arsenic	10	2 U	2 U
Barium	200	66.1	17.2 U
Beryllium	5	1 U	1 U
Cadmium	5	2 U	2 U
Calcium	5000	65800	23300
Chromium	10	3 U	3 U
Cobalt	50	3 U	3 U
Copper	25	2 U	2 U
Iron	100	89400	34400
Lead	3	1.7	1.9 U
Magnesium	5000	2740	2230
Manganese	15	624	732
Mercury	0.2	0.2 U	0.2 U
Nickel	40	3 U	3 U
Potassium	5000	4870	6330
Selenium	5	4 UJ	4 UJ
Silver	10	2 U	2 U
Sodium	5000	8290	6860
Thallium	10	2 UJ	2 UJ
Vanadium	50	2 U	2 U
Zinc	20	11 UJ	11 UJ

WATER QUALITY PARAMETERS

CYANIDE

CRDL(mg/L)

Cyanide	10	10 UJ	10 UJ
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LOCATION NAME:
FLOW ZONE:

OW-27 DEEP OVERBURDEN OW-30 DEEP OVERBURDEN

M&E SAMPLE ID: EDW-27-00-NX-G-600-4 EDW-30-00-NX-G-601-4
DATE SAMPLED: 04/10/92 04/09/92

REMARKS:

AMMONIA	ql(mg/L)	
Ammonia	0.03	5.14
TOTAL ORGANIC CARBON	ql(mg/L)	
Total Organic Carbon	0.5	34.3
BIOCHEMICAL OXYGEN DEMAND	ql(mg/L)	
Biochemical Oxygen Demand	1.0	31.5 J
OTHER		
Hardness	(mg/L)	68
pH	--	6.64
Specific Conductance	(umhos/cm)	295