

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

SEDIMENT POND CERTIFICATION

Permittee: Ro	sebud Mining Company Site Name: M	ine 78 Surface No. 3 Strip SMP No.: TBD
Engineer/Land	Surveyor: TBD Structure	e ID #: <u>Sed. Pond No. 1</u> NPDES Outfall ID # <u>001</u>
Location (point	t of discharge): Latitude (DMS): 40° 14' 35.6	8" Longitude (DMS): 78° 48' 29.40"
Drainage Area	: acres Design Storm:	year / 24 hour Rainfall Amount: <u>4.3</u> inches
Average Wate	rshed Slope: 24% Land Use: Forestland	Soil Type: C Curve Number: 85
-		low: <u>0.7</u> mgd NPDES Design Flow: <u>3.0</u> mgd
		Permit Application As Constructed
Embankment	Top Width (Minimum) Outside Slope (Maximum) (H:V) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation Upstream Toe Elevation Downstream Toe Elevation Type of Cover Incised Slope (if any) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation	10' 10' 2:1 3:1 1940.0 1928.0 1930.0 1897.0 Vegetation 2:1 1930.0 1930.0 1938.0 1928.0
Principal Spillway	Type Conduit Diameter (if barrel/riser give both) Inlet Elevation Outlet Protection Spillway Capacity (cubic feet/second)	CPP 12"/12" 1936.0 Energy Dissipator 3.78 cfs (max)
Dewatering Device	Type/Size Inlet Elevation Discharge Regulation (self-draining or valved) Discharge Capacity (cubic feet/second) Time to Dewater Full Pond	4" PVC 1932.2 Valved 0.91 cfs (max) 0.5 days (open valve)
Emergency Spillway	Type Width Depth (with 2 feet of freeboard) Length Sideslopes (H:V) Crest Elevation Slope Type of Lining/Protection Spillway Capacity (provide design calculations)	Trapezoidal Channel 10.0' 1.0' + 2.0' = 3.0' 50.0' 2:1 1937.0 2% R-3 rip-rap 24.0 cfs
Storage Capacity	Length @ Bottom Width @ Bottom Length @ Dewatering Device Width @ Dewatering Device Volume @ Dewatering Device Length @ Principal Spillway Width @ Principal Spillway Volume @ Principal Spillway Length @ Crest of Emergency Spillway Width @ Crest of Emergency Spillway Volume @ Crest of Emergency Spillway	70.0' 15.0' 87.0' 36.0' 8,520 cf 102.0' 55.0' 24,933 cf 106.0' 60.0' 30,915 cf

Will the sediment pond be constructed in previously disturbed, fractured, or unconsolidated material? If yes, specify the type of liner that will be used: Not applicable.

	Eng		Site Name: Mine 78 Surface No. 3 Min			
Is the emergency spillway constructed at the location shown in the approved plan? Yes No Is the principal spillway constructed at the location shown in the approved plan? Yes No Is the dewatering device constructed at the location shown in the approved plan? Yes No Are the collection channel inlets constructed at the location shown in the approved plan? Yes No Do the collection channel inlets have adequate inlet protection? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA Identify any conditions or deficiencies in the facility that need to be corrected.		ineer/Land Surveyor: TBD	Structure ID #: 001	_NPDES	Outfall ID) #: 001 _
Is the emergency spillway constructed at the location shown in the approved plan? Yes No Is the principal spillway constructed at the location shown in the approved plan? Yes No Is the dewatering device constructed at the location shown in the approved plan? Yes No Are the collection channel inlets constructed at the location shown in the approved plan? Yes No Do the collection channel inlets have adequate inlet protection? Yes No Has the iner been installed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Nas coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA Identify any conditions or deficiencies in the facility that need to be corrected. MA Stage of Construction [specify stage e.g. layout, impoundment/embankment construction, non-discharge alternative construction) Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor		Has the facility been constructed at the loc	cation shown in the approved permit?	□ Yes	□ No	
Is the principal spillway constructed at the location shown in the approved plan? Yes No NA Is the dewatering device constructed at the location shown in the approved plan? Yes No Are the collection channel inlets constructed at the location shown in the approved plan? Yes No Do the collection channel inlets have adequate inlet protection? Yes No Has the liner been installed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA Identify any conditions or deficiencies in the facility that need to be corrected. Inspected By Stage of Construction Inspected By Inspected By (specify stage e.g. layout, impoundment/embankment construction) Date of Inspection Inspected By upervising Professional Engineer/Registered Professional Land Surveyor		-		 ∏ Yes		
Is the dewatering device constructed at the location shown in the approved plan? Yes No Are the collection channel inlets constructed at the location shown in the approved plan? Yes No Do the collection channel inlets have adequate inlet protection? Yes No Has the collection channel inlets have adequate inlet protection? Yes No Has the collection channel inlets have adequate inlet protection? Yes No Has the iner been installed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction Impoundment/embantment construction, spliwaryinging installation, non-discharge alternative construction) Date of Inspection Inspected By upervising Professional Engineer/Registered Professional Land Surveyor				 ∏ Yes	 □ No	
Are the collection channel inlets constructed at the location shown in the approved plan? Do the collection channel inlets have adequate inlet protection? Has the liner been installed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Was coal encountered during construction of the pond? Has the used? I Identify any conditions or deficiencies in the facility that need to be corrected. Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spliway/pipin installation, non-discharge alternative construction) Date of Inspection Inspected By uppervising Professional Engineer/Registered Professional Land Surveyor ddress and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.				_	_	
Do the collection channel inlets have adequate inlet protection? Yes No Has the liner been installed in accordance with the approved plan? Yes Has the non-discharge alternative been constructed in accordance with the approved plan? Yes Was coal encountered during construction of the pond? Yes Was coal encountered during construction of the pond? Yes Was coal encountered during construction of the pond? Yes Was coal encountered during construction of the pond? Yes Wes No I Identify any conditions or deficiencies in the facility that need to be corrected. Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction? Date of Inspection Inspected By upervising Professional Engineer/Registered Professional Land Surveyor upervising Professional Engineer/Registered Professional Land Surveyor upervising roduct with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.		Are the collection channel inlets constructed		— □ Yes	— □ No	
Has the liner been installed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA Of if yes, was a liner used? Yes No NA 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, splitway/bipin installation, non-discharge alternative construction, non-discharge Date of Inspection Inspected By		•	uate inlet protection?	_	_	
Image: Head the non-discharge alternative been constructed in accordance with the approved plan? Image: Yes		-		☐ ∏ Yes	_	
Was coal encountered during construction of the pond? Yes No 0. If yes, was a liner used? Yes No 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor wddress and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.	8.	Has the non-discharge alternative been co				_
0. If yes, was a liner used? Yes No 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor Address and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.	•		of the pond?	_		
1. Identify any conditions or deficiencies in the facility that need to be corrected. Image: NA Stage of Construction Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/pipin installation, non-discharge alternative construction) Date of Inspection Inspected By		-			_	
Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By			e facility that need to be corrected			
certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.						
certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct omplete and has been constructed.		onstruction, spillway/piping installation, non-discharge	Date of Inspection		Inspec	cted By
complete and has been constructed.		onstruction, spillway/piping installation, non-discharge	Date of Inspection		Inspec	cted By
omplete and has been constructed.	c Sup	onstruction, spillway/piping installation, non-discharge alternative construction) pervising Professional Engineer/Registered F			Inspec	cted By
ignature of Registered Professional Engineer/Registered Professional Land Surveyor Date	Gup	onstruction, spillway/piping installation, non-discharge alternative construction) pervising Professional Engineer/Registered F			Inspec	cted By
ignature of Registered Professional Engineer/Registered Professional Land Surveyor Date	c Sup Adc	onstruction, spillway/piping installation, non-discharge alternative construction) pervising Professional Engineer/Registered F Iress and phone	Professional Land Surveyor			
	C Sup Adc	onstruction, spillway/piping installation, non-discharge alternative construction) pervising Professional Engineer/Registered F lress and phone rtify in accordance with 25 Pa Code Section pplete and has been constructed.	Professional Land Surveyor			

Registration Number and Expiration Date

Signature of Permittee or Responsible Official



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

SEDIMENT POND CERTIFICATION

Permittee: Ro	osebud Mining Company Site Name: M	ine 78 Surface No. 3 Strip SMP No.: TBD
Engineer/Land	Surveyor: TBD Structure	e ID #: <u>Sed. Pond No. 2</u> NPDES Outfall ID # <u>002</u>
Location (point	t of discharge): Latitude (DMS): 40° 14' 17.3	0" Longitude (DMS): 78° 48' 06.18 "
Drainage Area	: 24.9 acres Design Storm: 50	year / 24 hour Rainfall Amount: 4.3 inches
-	rshed Slope: <u>29%</u> Land Use: <u>Forestland</u>	
-		Flow: 0.8 mgd NPDES Design Flow: 3.1 mgd
		Permit Application As Constructed
Embankment	Top Width (Minimum) Outside Slope (Maximum) (H:V) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation Upstream Toe Elevation Downstream Toe Elevation Type of Cover Incised Slope (if any) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation	10' As constructed 2:1
Principal Spillway	Type Conduit Diameter (if barrel/riser give both) Inlet Elevation Outlet Protection Spillway Capacity (cubic feet/second)	CPP 12"/12" 1807.0 Energy Dissipator 3.78 cfs (max)
Dewatering Device	Type/Size Inlet Elevation Discharge Regulation (self-draining or valved) Discharge Capacity (cubic feet/second) Time to Dewater Full Pond	4" PVC 1801.1 Valved 1.1 cfs (max) 2.3 days (open valve)
Emergency Spillway	Type Width Depth (with 2 feet of freeboard) Length Sideslopes (H:V) Crest Elevation Slope Type of Lining/Protection Spillway Capacity (provide design calculations)	Trapezoidal Channel 14.0' 2.0' + 2.0' = 4.0' 40.0' 2:1 1808.0 2% R-3 rip-rap 111.0 cfs
Storage Capacity	Length @ Bottom Width @ Bottom Length @ Dewatering Device Width @ Dewatering Device Volume @ Dewatering Device Length @ Principal Spillway Width @ Principal Spillway Volume @ Principal Spillway Length @ Crest of Emergency Spillway Width @ Crest of Emergency Spillway Volume @ Crest of Emergency Spillway	210.0' 40.0' 228.0' 63.0' 50,659 cf 250.0' 9.0' 151,167 cf 254.0' 95.0' 174,478 cf

Will the sediment pond be constructed in previously disturbed, fractured, or unconsolidated material? If yes, specify the type of liner that will be used: Not applicable.



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

SEDIMENT POND CERTIFICATION

Permittee: Ro	osebud Mining Company Site Name: M	Mine 78 Surface No. 3 Strip SMP No.: TBD
Engineer/Land	l Surveyor: TBD Structur	re ID #: <u>Sed. Pond No. 3</u> NPDES Outfall ID # <u>003</u>
Location (point	t of discharge): Latitude (DMS): <u>40° 14' 08.</u>	31" Longitude (DMS): 78° 47' 20.07"
Drainage Area	: _ 9.0 _acres Design Storm: _ 25 _	_year / 24 hour Rainfall Amount: _ 4.3 _inches
Average Wate	rshed Slope: <u>33%</u> Land Use: Forestland	
-		Flow: 0.8 mgd NPDES Design Flow: 3.0 mgd
		Permit Application As Constructed
Embankment	Top Width (Minimum) Outside Slope (Maximum) (H:V) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation Upstream Toe Elevation Downstream Toe Elevation Type of Cover Incised Slope (if any) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation	10'
Principal Spillway	Type Conduit Diameter (if barrel/riser give both) Inlet Elevation Outlet Protection Spillway Capacity (cubic feet/second)	CPP 12"/12" 1938.8 Energy Dissipator 3.78 cfs (max)
Dewatering Device	Type/Size Inlet Elevation Discharge Regulation (self-draining or valved) Discharge Capacity (cubic feet/second) Time to Dewater Full Pond	4" PVC 1934.3 Valved 0.96 cfs (max) 0.85 days (open valve)
Emergency Spillway	Type Width Depth (with 2 feet of freeboard) Length Sideslopes (H:V) Crest Elevation Slope Type of Lining/Protection Spillway Capacity (provide design calculations)	Trapezoidal Channel 16.0' 1.2' + 2.0' = 3.2' 60.0' 2:1 1939.8 2% R-3 rip-rap 51.0 cfs
Storage Capacity	Length @ Bottom Width @ Bottom Length @ Dewatering Device Width @ Dewatering Device Volume @ Dewatering Device Length @ Principal Spillway Width @ Principal Spillway Volume @ Principal Spillway Length @ Crest of Emergency Spillway Width @ Crest of Emergency Spillway Volume @ Crest of Emergency Spillway	140.0' 15.0' 158' 38' 18,350 cf 176' 60' 54,540 cf 180' 65' 65'

Will the sediment pond be constructed in previously disturbed, fractured, or unconsolidated material? \Box Yes \boxtimes No If yes, specify the type of liner that will be used: <u>Not applicable.</u>



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

SEDIMENT POND CERTIFICATION

Permittee: Ro	sebud Mining Company Site Name: Mi	ine 78 Surface No. 3 Strip SMP No.: TBD
Engineer/Land	Surveyor: TBD Structure	e ID #: <u>Sed. Pond No. 4</u> NPDES Outfall ID # <u>004</u>
Location (point	t of discharge): Latitude (DMS): 40° 14' 12.8	5" Longitude (DMS): 78° 47' 00.24"
Drainage Area	: <u>10.1</u> acres Design Storm: <u>25</u>	year / 24 hour Rainfall Amount: <u>4.3</u> inches
Average Wate	rshed Slope: <u>36%</u> Land Use: Forestland	_ Soil Type: C Curve Number: <u>85</u>
Peak Discharg	e: <u>52.7</u> cubic feet/second NPDES Average F	Flow: 0.7 mgd NPDES Design Flow: 3.0 mgd
	`	Permit Application As Constructed
Embankment	Top Width (Minimum) Outside Slope (Maximum) (H:V) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation Upstream Toe Elevation Downstream Toe Elevation Type of Cover Incised Slope (if any) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation	10' 2:1 3:1 1975.0 1961.8 1965.0 1932.5 Vegetation 2:1 1965.5 1961.8
Principal Spillway	Type Conduit Diameter (if barrel/riser give both) Inlet Elevation Outlet Protection Spillway Capacity (cubic feet/second)	CPP 12"/12" 1970.8 Energy Dissipator 3.78 cfs (max)
Dewatering Device	Type/Size Inlet Elevation Discharge Regulation (self-draining or valved) Discharge Capacity (cubic feet/second) Time to Dewater Full Pond	4" PVC 1966.3 Valved 0.97 cfs (max) 0.88 days (open valve)
Emergency Spillway	Type Width Depth (with 2 feet of freeboard) Length Sideslopes (H:V) Crest Elevation Slope Type of Lining/Protection Spillway Capacity (provide design calculations)	Trapezoidal Channel 18.0' 1.2' + 2.0' = 3.2' 40.0' 2:1 1971.8 2% R-3 rip-rap 58.0 cfs
Storage Capacity	Length @ Bottom Width @ Bottom Length @ Dewatering Device Width @ Dewatering Device Volume @ Dewatering Device Length @ Principal Spillway Width @ Principal Spillway Volume @ Principal Spillway Length @ Crest of Emergency Spillway Width @ Crest of Emergency Spillway Volume @ Crest of Emergency Spillway	135.0' 20.0' 153' 43' 20,402 cf 171' 65' 59,738 cf 175' 70' 71,417 cf

Will the sediment pond be constructed in previously disturbed, fractured, or unconsolidated material? If yes, specify the type of liner that will be used: Not applicable.



COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

SEDIMENT POND CERTIFICATION

Permittee: Ro	osebud Mining Company Site Name: M	ine 78 Surface No. 3 Strip SMP No.: TBD
Engineer/Land	Surveyor: Structure	e ID #: <u>Sed. Pond No. 5</u> NPDES Outfall ID # <u>005</u>
Location (point	t of discharge): Latitude (DMS): 40° 14' 23.8	" Longitude (DMS): 78° 47' 47.4"
Drainage Area	: _ 4.4 _ acres Design Storm: _ 25 _	year / 24 hour Rainfall Amount: <u>4.3</u> inches
Average Wate	rshed Slope: 21% Land Use: Forestland	Soil Type: C Curve Number: <u>85</u>
Peak Discharg	e: <u>23.3</u> cubic feet/second NPDES Average F	Flow: 0.7 mgd NPDES Design Flow: 3.0 mgd
Embankment	Top Width (Minimum) Outside Slope (Maximum) (H:V) Inside Slope (Maximum) (H:V) Top Elevation Bottom Elevation Upstream Toe Elevation Downstream Toe Elevation Type of Cover Incised Slope (if any) Inside Slope (Maximum) (H:V) Top Elevation	Permit Application As Constructed 10'
	Bottom Elevation	N/A
Principal Spillway	Type Conduit Diameter (if barrel/riser give both) Inlet Elevation Outlet Protection Spillway Capacity (cubic feet/second)	CPP 12"/12" 2008.0 Energy Dissipator 3.78 cfs (max)
Dewatering Device	Type/Size Inlet Elevation Discharge Regulation (self-draining or valved) Discharge Capacity (cubic feet/second) Time to Dewater Full Pond	4" PVC 2004.3 Valved 0.90 cfs (max) 0.5 days (open valve)
Emergency Spillway	Type Width Depth (with 2 feet of freeboard) Length Sideslopes (H:V) Crest Elevation Slope Type of Lining/Protection Spillway Capacity (provide design calculations)	Trapezoidal Channel 10.0' 1.0' + 2.0' = 3.0' 60.0' 2:1 209.0 2% R-3 rip-rap 24.0 cfs
Storage Capacity	Length @ Bottom Width @ Bottom Length @ Dewatering Device Width @ Dewatering Device Volume @ Dewatering Device Length @ Principal Spillway Width @ Principal Spillway Volume @ Principal Spillway Length @ Crest of Emergency Spillway Width @ Crest of Emergency Spillway Volume @ Crest of Emergency Spillway	70.0' 15.0' 87.0' 37.0' 8,835 cf 102.0' 55.0' 24,933 cf 106.0' 60.0' 30,915 cf

Will the sediment pond be constructed in previously disturbed, fractured, or unconsolidated material? \Box Yes \boxtimes No If yes, specify the type of liner that will be used: <u>Not applicable.</u>

- 00	nittee: Rosebud Mining Company				
ing	ineer/Land Surveyor: <u>TBD</u>	Structure ID #:003	_ NPDES	S Outfall ID) #: <u>003</u>
۱.	Has the facility been constructed at the lo	ocation shown in the approved permit?	□ Yes	□ No	
2	-	t the location shown in the approved plan?	☐ Yes		
3.	Is the principal spillway constructed at th		☐ Yes		🗌 NA
		the location shown in the approved plan?	☐ Yes		
5.	-	cted at the location shown in the approved	☐ Yes		
ò.	Do the collection channel inlets have ade	equate inlet protection?	☐ Yes		
7.	Has the liner been installed in accordance		☐ Yes	□ No	🗌 NA
3.	Has the non-discharge alternative been approved plan?		□ Yes		
).	Was coal encountered during construction	on of the pond?	☐ Yes		
). 10.	If yes, was a liner used?		☐ Yes		
10.	Identify any conditions or deficiencies in	the facility that need to be corrected			□ NA
C	onstruction, spillway/piping installation, non-discharg alternative construction)	Date of Inspection			
		Date of hispection		Inspec	cted By
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Registration Number and Expiration Date

Signature of Permittee or Responsible Official

00	nittee: Rosebud Mining Company				
ing	ineer/Land Surveyor: <u>TBD</u>	Structure ID #:_004	_NPDES	Outfall ID)#: <u>004</u>
1.	Has the facility been constructed at the l	ocation shown in the approved permit?	☐ Yes	□ No	
<u>)</u>	-	t the location shown in the approved plan?	 ∏ Yes	 ∏ No	
3.	Is the principal spillway constructed at th		☐ Yes	 □ No	🗌 NA
1 .		the location shown in the approved plan?	 ∏ Yes	 ∏ No	
5.	-	cted at the location shown in the approved	 □ Yes	 □ No	
S.	Do the collection channel inlets have add	equate inlet protection?	☐ Yes		
7.	Has the liner been installed in accordance		☐ Yes	 □ No	🗌 NA
3.	Has the non-discharge alternative been approved plan?		□ Yes	□ No	
).	Was coal encountered during construction	on of the pond?	☐ Yes		
). 10.	If yes, was a liner used?	pondi	☐ Yes		
10.	Identify any conditions or deficiencies in	the facility that need to be corrected			□ NA
	onstruction, spillway/piping installation, non-discharg alternative construction)	Date of Inspection		Inspec	te d D.
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ce orr	ress and phone rtify in accordance with 25 Pa Code Sect	ion 77.531, 87.112, 89.101, or 90.112 that	the above	e-mention	

Registration Number and Expiration Date

Signature of Permittee or Responsible Official

 Is the emergency spillway constructed at the location shown in the approved plan? Is the principal spillway constructed at the location shown in the approved plan? Yes No No Na Is the dewatering device constructed at the location shown in the approved plan? Are the collection channel inlets constructed at the location shown in the approved plan? Do the collection channel inlets have adequate inlet protection? Has the liner been installed in accordance with the approved plan? Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Na 		nittee: Rosebud Mining Company				
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Is the emergency spillway constructed at the location shown in the approved plan? Yes No As the principal spillway constructed at the location shown in the approved plan? Yes No As the collection channel inlets constructed at the location shown in the approved plan? Yes No Are the collection channel inlets constructed at the location shown in the approved plan? Yes No Do the collection channel inlets have adequate inlet protection? Yes No Has the liner been installed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Was coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA Identify any conditions or deficiencies in the facility that need to be corrected. MA MA Stage of Construction [specify stage e.g. layout, impoundment/embankment construction, pollway/pipiping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor	1.	Has the facility been constructed at the lo	ocation shown in the approved permit?	□ Yes	□ No	
1 Is the principal spillway constructed at the location shown in the approved plan? Yes No NA 2 Is the dewatering device constructed at the location shown in the approved plan? Yes No NA 3 Are the collection channel inlets constructed at the location shown in the approved plan? Yes No NA 4 Is the dewatering device constructed at the location shown in the approved plan? Yes No NA 5 Do the collection channel inlets have adequate inlet protection? Yes No NA 6 Has the liner been installed in accordance with the approved plan? Yes No NA 1 Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA 2 Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA 3 Has the neounities of the pond? Yes No NA 4 Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction Isspected By Isspected By satemative construction, self assistance, non-discharge alternative construction) Date of Inspection		•		=	_	
Is the dewatering device constructed at the location shown in the approved plan? Yes No i. Are the collection channel inlets constructed at the location shown in the approved plan? Yes No ii. Do the collection channel inlets have adequate inlet protection? Yes No ii. Has the liner been installed in accordance with the approved plan? Yes No NA ii. Has the iner been installed in accordance with the approved plan? Yes No NA ii. Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA ii. Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA iii. Was coal encountered during construction of the pond? Yes No NA iii. Identify any conditions or deficiencies in the facility that need to be corrected. MA iii. Identify any conditions or deficiencies in the facility that need to be corrected. Inspected By isourciton. Stage of Construction Inspected By (specify stage e.g. layout, impoundment/embankment construction, splikay/phing installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor				_	_	
Are the collection channel inlets constructed at the location shown in the approved plan? Ob the collection channel inlets have adequate inlet protection? Yes No Has the liner been installed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Na scoal encountered during construction of the pond? Yes No Na scoal encountered during construction of the pond? Yes No I Identify any conditions or deficiencies in the facility that need to be corrected. Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, splikay/pipin installation, non-discharge aternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor						
plan? Yes No No Yes No Has the liner been installed in accordance with the approved plan? Yes No Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No Nascoal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA I Identify any conditions or deficiencies in the facility that need to be corrected. In NA Stage of Construction Ispecify slage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor		-				
b. Do the collection channel inlets have adequate inlet protection? Yes No Has the liner been installed in accordance with the approved plan? Yes Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA No Yes No NA Was coal encountered during construction of the pond? Yes Yes No I Identify any conditions or deficiencies in the facility that need to be corrected. Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction (specify stage e.g. layout, impoundment/embankment construction (specify stage e.g. layout, impoundment/embankment construction (specify stage e.g. layout, impoundment/embankment			led at the location shown in the approved	□ Yes	ΠNο	
Has the liner been installed in accordance with the approved plan? Yes No NA Has the non-discharge alternative been constructed in accordance with the approved plan? Yes No NA Was coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA Was coal encountered during construction of the pond? Yes No NA If yes, was a liner used? Yes No NA It identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction Stage of Construction Inspected By (specify stage e.g. layout, inpoundment/embankment construction, splitway/piping installation, non-discharge alternative construction Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor	5.	•	equate inlet protection?	_	_	
t. Has the non-discharge alternative been constructed in accordance with the approved plan? Image: Stage of Construction of the pond? Image: Stage of Construction of the facility that need to be corrected. Image: Stage of Construction Stage of Construction (specify stage e.g. layout, impoundment/embankment construction) Image: Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor Image: Stage and phone Image: Stage and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct complete and has been constructed. Image: Stage and phone				_	_	
approved plan? Was coal encountered during construction of the pond? Yes No Na Yes Yes No Yes Yes No Yes Yes No Yes Yes Yes Yes Yes Yes Yes No Yes Yes Yes Yes Yes No Yes Yes No Yes Yes No Na Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor Supervising Professional Engineer/Registered Professional Land Surveyor						
Was coal encountered during construction of the pond? Yes No 0. If yes, was a liner used? Yes No 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor Address and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct complete and has been constructed.	<i>·</i> .			🗌 Yes	🗌 No	🗌 NA
0. If yes, was a liner used? Yes No 1. Identify any conditions or deficiencies in the facility that need to be corrected. NA Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By Supervising Professional Engineer/Registered Professional Land Surveyor Address and phone certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct complete and has been constructed.).		on of the pond?	☐ ∏ Yes	 □ No	
1. Identify any conditions or deficiencies in the facility that need to be corrected. Image: NA Stage of Construction Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/biping installation, non-discharge alternative construction) Date of Inspection Image: Supervising Professional Engineer/Registered Professional Land Surveyor		-	·	 □ Yes	_	
Stage of Construction (specify stage e.g. layout, impoundment/embankment construction, spillway/piping installation, non-discharge alternative construction) Date of Inspection Inspected By			the facility that need to be corrected			
Address and phone		onstruction, spillway/piping installation, non-discharge				
Address and phone			Date of Inspection		Inspec	cted By
certify in accordance with 25 Pa Code Section 77.531, 87.112, 89.101, or 90.112 that the above-mentioned struct complete and has been constructed.			Date of Inspection		Inspec	cted By
omplete and has been constructed.	•	ervising Professional Engineer/Registered	Date of Inspection		Inspec	cted By
complete and has been constructed.	•	ervising Professional Engineer/Registered	Date of Inspection		Inspec	cted By
ignature of Registered Professional Engineer/Registered Professional Land Surveyor Date	•	ervising Professional Engineer/Registered	Date of Inspection		Inspec	cted By
ignature of Registered Professional Engineer/Registered Professional Land Surveyor Date	\dd ce	ervising Professional Engineer/Registered ress and phone rtify in accordance with 25 Pa Code Sectio	Date of Inspection			
	Add	ervising Professional Engineer/Registered ress and phone rtify in accordance with 25 Pa Code Sectio	Date of Inspection			
	\dd ce com	ervising Professional Engineer/Registered ress and phone rtify in accordance with 25 Pa Code Section plete and has been constructed.	Date of Inspection			

Registration Number and Expiration Date

Signature of Permittee or Responsible Official

- na		Site Name: <u>Mine 78 Surface No. 3 Mir</u>			
ing	ineer/Land Surveyor: <u>TBD</u>	Structure ID #:002	_ NPDES	6 Outfall ID) #: <u>002</u>
۱.	Has the facility been constructed at the l	ocation shown in the approved permit?	□ Yes	□ No	
2.	-	t the location shown in the approved plan?	☐ Yes	 ∏ No	
3.	Is the principal spillway constructed at th		☐ Yes	 □ No	🗌 NA
1.		the location shown in the approved plan?	☐ Yes		
5.	-	cted at the location shown in the approved	 □ Yes	 □ No	
S.	Do the collection channel inlets have ade	equate inlet protection?	☐ Yes		
7.	Has the liner been installed in accordance		☐ Yes	 □ No	🗌 NA
3.	Has the non-discharge alternative been approved plan?		□ Yes	□ No	
9.	Was coal encountered during construction	on of the pond?	☐ Yes	□ No	
10.	If yes, was a liner used?		☐ Yes		
11.	Identify any conditions or deficiencies in	the facility that need to be corrected			□ NA
	specify stage e.g. layout, impoundment/embankmen	nt Te			
C	onstruction, spillway/piping installation, non-discharg alternative construction)	Date of Inspection		Inspec	cted By
	onstruction, spillway/piping installation, non-discharg	ae		Inspec	cted By
Sup	onstruction, spillway/piping installation, non-discharg	Date of Inspection		Inspec	cted By
Sup	ervising Professional Engineer/Registered	Date of Inspection		Inspec	cted By
Sup	ervising Professional Engineer/Registered	Date of Inspection		Inspec	cted By
Sup	ervising Professional Engineer/Registered	Date of Inspection			
Sup Add	ervising Professional Engineer/Registered ress and phone	Date of Inspection			
Sup Add ce	ervising Professional Engineer/Registered ress and phone	Date of Inspection			
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Registration Number and Expiration Date

Signature of Permittee or Responsible Official

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

TREATMENT POND CERTIFICATION

Permittee: Ro	sebud Mining Company Site Name: <u>Mi</u>	ne 78 Surface No. 3 Strip	SMP No.: TBD
Engineer/Land S	Surveyor: Structu	ure ID #: NPDES	Outfall ID #: <u>006</u>
Location (point of	discharge): Latitude (DMS):	Longitude (DMS	3):
	Sizing Calculation: V = 1.33 (A R C) + (Expect		
	o System: <u>1.86</u> acres Design Storm:		
	<u>6 x 2 = 12</u> hours Expected Groundwate		-
Required Basin	Volume: <u>3,956</u> cubic feet NPDES Average	e Flow: 0.3 mgd NPDES	Design Flow: <u>1.3</u> mgd
		Permit Application	As Constructed
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1945	
	Bottom Elevation	1935	
Basin #: <u>1</u>	Upstream Toe Elevation	1935	
Embankment	Downstream Toe Elevation	1930	
	Type of Cover	Vegetation	
	Incised Slope (if any) Inside Slope (Maximum) (H:V)	N/A	1
	Top Elevation		
	Bottom Elevation		
		6" PVC	
Basin #: 1	Size/Type Inlet Elevation	Splash Board	
Spillway	Outlet Protection	Splash Board	
opinitay	Spillway Capacity (cubic feet/second)	1.26	
	Length @ Bottom	20.0'	
	Width @ Bottom	12.0'	
Basin #: 1	Length @ Spillway	52.0'	
Storage Capacity	Width @ Spillway	44.0'	
	Volume @ Spillway	8,747 cf	
	Sludge Cleanout Elevation	2.4'	
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1943	
	Bottom Elevation	1933	
Basin #: <u>2</u>	Upstream Toe Elevation	1933	
Embankment	Downstream Toe Elevation	1928	
	Type of Cover	Vegetation	
	Incised Slope (if any)	N/A	
	Inside Slope (Maximum) (H:V)		
	Top Elevation		
	Bottom Elevation		
	Size/Type Inlet Elevation	6" PVC	l
Basin #: <u>2</u>		Splash Board	
Spillway	Outlet Protection Spillway Capacity (cubic feet/second)	Energy Dissipator 1.96	l
		<u></u>	ł
	Length @ Bottom	20.0'	ł
	Width @ Bottom	12.0'	l
Basin #: <u>2</u>	Length @ Spillway	52.0'	
Storage Capacity	Width @ Spillway	44.0'	1
	Volume @ Spillway	8,747 cf	l
	Sludge Cleanout Elevation	2 4'	1

Will the treatment pond be constructed in previously disturbed, fractured, or unconsolidated material? \Box Yes \boxtimes No If yes, specify the type of liner that will be used: _____

Note: If additional basins are necessary, please complete and attach an additional form.

TREATMENT POND CONSTRUCTION CERTIFICATION

	millee: Rosebud wining Company	Site Name: <u>Mine 78 Surface No. 3 M</u>	ine SMP No.: TBD
Enç	gineer/Land Surveyor: TBD	Structure ID #: TP 006	NPDES Outfall ID #:_ 006
1. 2. 3. 4. 5. 6. 7.	Has the facility been constructed at the location Is the spillway constructed at the location Has the liner been installed in accordance Has the non-discharge alternative been of approved plan? Was coal encountered during construction If yes, was a liner used? Identify any conditions or deficiencies in the	n shown in the approved plan? we with the approved plan? constructed in accordance with the on of the pond?	 Yes Yes No Yes No NA Yes No NA Yes No NA
(s co	Stage of Construction specify stage e.g. layout, impoundment/embankmer instruction, spillway/piping installation, non-discharg alternative construction)	nt je Date of Inspection	Inspected By
	pervising Professional Engineer/Registere dress and phone	ed Professional Land Surveyor	
	ertify in accordance with 25 Pa Code Sec nplete and has been constructed.	tion 77.531, 87.112, 89.101, or 90.112 th	at the above-mentioned structure i
con Sigr	nplete and has been constructed. nature of Registered Professional Engineer/Register		hat the above-mentioned structure i
con Sigr	nplete and has been constructed.		

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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF MINING PROGRAMS

TREATMENT POND CERTIFICATION

Permittee: Ro	sebud Mining Company Site Name: Min	ne 78 Surface No. 3 Strip	SMP No.: TBD
Engineer/Land S	Surveyor: Structu	re ID #:NPDES	00tfall ID #: 007
Location (point of	discharge): Latitude (DMS):	Longitude (DMS	S):
	Sizing Calculation: V = 1.33 (A R C) + (Expect		
	o System: <u>1.86</u> acres Design Storm:		
	<u>6 x 2 = 12</u> hours Expected Groundwate	-	• *
Required Basin	Volume: <u>3,956</u> cubic feet NPDES Average	e Flow: 0.3 mgd NPDES	Design Flow: <u>1.3</u> mgd
		Permit Application	As Constructed
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1875	
	Bottom Elevation	1865	
Basin #: <u>1</u>	Upstream Toe Elevation	1965	
Embankment	Downstream Toe Elevation	1960	
	Type of Cover	Vegetation	
	Incised Slope (if any)	N/A	
	Inside Slope (Maximum) (H:V)		
	Top Elevation		
	Bottom Elevation		
D · // 4	Size/Type Inlet Elevation	6" PVC	
Basin #: <u>1</u> Spillway	Outlet Protection	Splash Board Splash Board	
Spillway	Spillway Capacity (cubic feet/second)	1.26	
		-	
	Length @ Bottom Width @ Bottom	20.0' 12.0'	
Basin #: 1	Length @ Spillway	52.0'	
Storage Capacity		44.0'	
Otorage Suparity	Volume @ Spillway	8,747 cf	
	Sludge Cleanout Elevation	2.4'	
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1863	
	Bottom Elevation	1853	
Basin #: 2	Upstream Toe Elevation	1953	
Embankment	Downstream Toe Elevation	1948	
	Type of Cover	Vegetation	
	Incised Slope (if any)	N/A	
	Inside Slope (Maximum) (H:V)		
	Top Elevation		
	Bottom Elevation		
	Size/Type	6" PVC	
Basin #: <u>2</u>	Inlet Elevation	Splash Board	
Spillway	Outlet Protection	Energy Dissipator	
	Spillway Capacity (cubic feet/second)	1.96	
	Length @ Bottom	20.0'	
	Width @ Bottom	12.0'	
Basin #: <u>2</u>	Length @ Spillway	52.0'	
Storage Capacity	Width @ Spillway	44.0'	
	Volume @ Spillway	8,747 cf	
	Sludge Cleanout Elevation	2 4'	

Will the treatment pond be constructed in previously disturbed, fractured, or unconsolidated material? \Box Yes \boxtimes No If yes, specify the type of liner that will be used: _____

Note: If additional basins are necessary, please complete and attach an additional form.

TREATMENT POND CONSTRUCTION CERTIFICATION

		e Name: Mine 78 Surface			No.: <u> </u>	
Engineer/Land Surveyor:	TBD	Structure ID #: TP 0	07NP	DES Outf	fall ID #:	007
 Is the spillway construct Has the liner been insta Has the non-discharge approved plan? Was coal encountered If yes, was a liner used 	cted at the location show alled in accordance with alternative been constru- during construction of th ?	the approved plan? ucted in accordance with th	e] Yes [] Yes [] Yes [] Yes [No No No No No No	□ NA □ NA □ NA
Stage of Cons (specify stage e.g. layout, impo construction, spillway/piping ins alternative const	oundment/embankment stallation, non-discharge	Date of Inspect	tion	I	Inspecte	ed By
Supervising Professional E Address and phone	ngineer/Registered Prof	essional Land Surveyor				
I certify in accordance with complete and has been co		 7.531, 87.112, 89.101, or 9	0.112 that the	above-m	nentione	d structure i
complete and has been con Signature of Registered Professio	nstructed. onal Engineer/Registered Prof		0.112 that the	above-m	nentione	
complete and has been col	nstructed. onal Engineer/Registered Prof			above-m		

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TREATMENT POND CERTIFICATION

Permittee: Ro	sebud Mining Company Site Name: Min	ne 78 Surface No. 3 Strip	SMP No.: TBD
Engineer/Land S	Surveyor: Structu	ire ID #: NPDES	00tfall ID #: 008
Location (point of	discharge): Latitude (DMS):	Longitude (DMS	S):
	Sizing Calculation: V = 1.33 (A R C) + (Expect		
	o System: <u>1.86</u> acres Design Storm:		
	<u>6 x 2 = 12</u> hours Expected Groundwate		•
Required Basin	Volume: <u>3,956</u> cubic feet NPDES Average	e Flow: 0.3 mgd NPDES	Design Flow: <u>1.3</u> mgd
		Permit Application	As Constructed
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1930	
	Bottom Elevation	1920	
Basin #: <u>1</u>	Upstream Toe Elevation	1920	
Embankment	Downstream Toe Elevation	1915	
	Type of Cover	Vegetation	
	Incised Slope (if any)	N/A	
	Inside Slope (Maximum) (H:V)		
	Top Elevation		
	Bottom Elevation		
	Size/Type Inlet Elevation	6" PVC	
Basin #: <u>1</u> Spillway	Outlet Protection	Splash Board Splash Board	
Spillway	Spillway Capacity (cubic feet/second)	1.26	
		-	
	Length @ Bottom Width @ Bottom	20.0' 12.0'	
Basin #: 1	Length @ Spillway	52.0'	
Storage Capacity		44.0'	
Otorage Dapaony	Volume @ Spillway	8,747 cf	
	Sludge Cleanout Elevation	2.4'	
	Top Width (Minimum)	8'	
	Outside Slope (Maximum) (H:V)	2:1	
	Inside Slope (Maximum) (H:V)	2:1	
	Top Elevation (with 2 feet of freeboard)	1928	
	Bottom Elevation	1918	
Basin #: 2	Upstream Toe Elevation	1918	
Embankment	Downstream Toe Elevation	1913	
	Type of Cover	Vegetation	
	Incised Slope (if any)	N/A	
	Inside Slope (Maximum) (H:V)		
	Top Elevation		
	Bottom Elevation		
	Size/Type	6" PVC	
Basin #: <u>2</u>	Inlet Elevation	Splash Board	
Spillway	Outlet Protection	Energy Dissipator	
	Spillway Capacity (cubic feet/second)	1.96	
	Length @ Bottom	20.0'	
	Width @ Bottom	12.0'	
Basin #: <u>2</u>	Length @ Spillway	52.0'	
Storage Capacity	Width @ Spillway	44.0'	
	Volume @ Spillway	8,747 cf	
	Sludge Cleanout Elevation	2 4'	

Will the treatment pond be constructed in previously disturbed, fractured, or unconsolidated material? \Box Yes \boxtimes No If yes, specify the type of liner that will be used: _____

Note: If additional basins are necessary, please complete and attach an additional form.

TREATMENT POND CONSTRUCTION CERTIFICATION

	nittee: Rosebud Mining Company	Site Name: <u>Mine 78 Surface No. 3 M</u>	line SMP No.: SMP No.:
Engi	neer/Land Surveyor: <u>TBD</u>	Structure ID #:_ TP 008	NPDES Outfall ID #:008
2. 3. 4. 5. \ 6.	Has the facility been constructed at the location is the spillway constructed at the location Has the liner been installed in accordance Has the non-discharge alternative been approved plan? Was coal encountered during construction If yes, was a liner used?	n shown in the approved plan? we with the approved plan? constructed in accordance with the on of the pond?	 Yes No Yes No Na Yes No NA Yes No NA Yes No NA
(sp con	Stage of Construction ecify stage e.g. layout, impoundment/embankmer struction, spillway/piping installation, non-discharg alternative construction)	nt ge Date of Inspection	Inspected By
	ervising Professional Engineer/Registere	ed Professional Land Surveyor	
	tify in accordance with 25 Pa Code Sec plete and has been constructed.	tion 77.531, 87.112, 89.101, or 90.112 th	nat the above-mentioned structur
com Signa	plete and has been constructed. ture of Registered Professional Engineer/Registe		nat the above-mentioned structur
com Signa	plete and has been constructed.		