Mine: New Ell	<							
NPDES ID. No.:	Pond #1							
Inspection Period:	First Quarter	2019		===				
Inspection Date:	03/29/	19 4	5-0 17	540 AM				
				70 1101				
General Description								
This Pond lies Wesstorage pond.	t of the Industria	l Building ar	nd serves as	a mine wate	er settlein	g and wate	er	
EMBANKMENT								
1). Adequacy of the	vegetative cove	r:	Excellent	Moderate	Few	Poor		
2). Erosion forming	Gullies:		Extensive	Some	Few	None		
3). Is wave action ca	ausing erosion:					(12/11)		
On the Up	ostream embank	ment?		Yes		1	No	1
At the prir	ncipal spillway in	let?		Yes			No -	10
4). Erosion of the do	wnstream toe of erosion can be a	the emban	kment?	Yes			No_	L
					12			
5). Is seepage occur Could this	ring through the seepage cause	dam? potential in:	stability?	Yes			4o_	V
PRINCIPAL SPILLW	AY							9
). Is the principal spi	llway system in v	working ord	ег?	Yes_	_	N	0	
2). Is the inlet free of	debris and restri	ctive materi	al?	Yes_	L	N		
). Is the discharge or	utlet free of restr	ictive mater	ial?	Yes_	V	_ N	o	
). Is erosion occurrin Evaluate the severi	g at the discharg ty:	ge outlet? Extensive	Moderate	Yes_ Just sta	rting	None	0_	

New Elk Mine 3/29/2019 Pond #

EMERG	SENCY SPILLWAY		3/29/20 <sup>-</sup> Pond #
1). Does	s it appear that the emergency spillway has discharged water sin Yes	ce the last inspec	
2). Is ero	osion occurring at any section of the emergency spillway?		
	Describe extent:  Yes	No	
	NT STORAGE CAPACITY		
1). Has t	the design storage capacity of the reservoir been surpassed?  Yes  Explain:	No	V
OTHER C	Water keel continues to dec evaporation - No water has to storage pond during the	dire du been po quarte	e to
	MSHA Trained Impoundment Inspector		
: (	03/29/19		

Page 2 of 2

	Mine: NPDES I	New Elk	David #4							
		n Period:	Pond #4	0040		_				
	nspectio		First Quarter 03/29/			_				
•	··opeotio	ii bale.	03/29/	19 5	50 0 10	30 HW				
C	Seneral	Description	or Reference	to Site Pla	ın:					
- ' '	his sedi un-off fro ischarge	iii uiis waste	pond lies west pile flows to the	of the Dev	elopment Wa has never re	aste Pile. Tr eceived suffic	ne majorit cient inflo	y of w to		
E	MBANK	MENT								
1)	). Adequ	acy of the ve	egetative cover	<del>.</del>	Excellent	Moderate	Few	Poor		
2)	. Erosio	n forming Gu	ullies:		Extensive	Some	Few	None	د	
3)	. Is wav	e action caus	sing erosion:							
		On the Upsi	tream embank	ment?		Yes	all and a second		No	-
		At the princi	pal spillway inl	et?		Yes			No_	1
4).	Erosio	n of the dowr Cause of ere	nstream toe of osion can be a	the emban ttributed to	kment?	Yes			No_	<u> </u>
5). Is seepage occurring through the dam?  Could this seepage cause potential instability?						ν				
PR	INCIPAI	SPILLWAY	,							
).	Is the p	rincipal spillw	vay system in v	vorking ord	er?	Yes_		_	No_	
).	Is the in	let free of de	ebris and restri	ctive mater	ial?	Yes_	1	_	No_	
).	Is the di	scharge outl	et free of restri	ctive mater	rial?	Yes_	4	-	No_	
). F	ls erosio Evaluate	on occurring the severity:	at the discharg	je outlet? Extensive	Moderate	Yes_ Just sta	rting	None	No_	-

EMERGE	ENCY SPILLWAY	3	Elk Mine 3/29/2019 and # 14
1). Does	it appear that the emergency spillway has discharged water since the las	t inspection No	, i? .≼
2). Is ero	osion occurring at any section of the emergency spillway?		
,	Describe extent:	No	ζ
SEDIMEN	NT STORAGE CAPACITY		
1). Has th	he design storage capacity of the reservoir been surpassed?		
	Explain:  By Visual phseivalin	No	<u>×</u>
OTHER O	DBSERVATIONS		
	water is being pumped to ponk 4 &		0 10
	by way of Ponds 6 and 7.	ina !	<u>'m/  8</u>
,	Water & accumulating at base	d por	ed
	but is well below primary inlet.		
522			
-			
-			
_			
<u> </u>	MSHA Trained Impoundment Inspector		
C	03/29/19		

Page 2 of 2

Mine: New Elk					
NPDES ID. No.:	Pond #7				
Inspection Period:	First Quarter 2019		_		
Inspection Date:	03/29/19 56	0 @ 11	51		
	Windy	,	2'		
General Description	or Reference to Site	Plan:			
This sediment contro the majority of the ac	I pond lies east of the pritive surface facilities are	reparation pla ea lying south	nt and pond #6. It ro of State Highway 12	eceives run-off 2.	from
EMBANKMENT					
1). Adequacy of the v	egetative cover:	Excellent	Moderate Few	Poor	
2). Erosion forming G	Gullies:	Extensive	Some Few	None	
3). Is wave action cau	ısina erosion:				
On the Ups	stream embankment?		Yes	Ma	, _
At the princ	cipal spillway inlet?		Yes	No_	
			165	No_	
<ol><li>Erosion of the dow</li></ol>	nstream toe of the emb	ankment?	Yes	No	
Cause of e	rosion can be attributed	to:			
5). Is seepage occurring Could this s	ng through the dam? seepage cause potentia	instability?	Yes	No_	V
-					
PRINCIPAL SPILLWA	Y				
1). Is the principal spill	way system in working	order?	Yes	_ No_	
2). Is the inlet free of de	ebris and restrictive ma	terial?	Yes	_ No_	
3). Is the discharge out	let free of restrictive ma	terial?	Yes	_ No	
Is erosion occurring     Evaluate the severity	at the discharge outlet	? Moderate	Yes Just starting	None No_	

New Elk Mine 3/29/2019

EMERGENO	CY SPILLWAY		3/29/2019 Pond # *7
1). Does it ap	ppear that the emergency spillway has discharged	water since the last insp Yes	pection?
2). Is erosion	n occurring at any section of the emergency spillwa	ıv?	
			No
SEDIMENT S	STORAGE CAPACITY		
1). Has the d	design storage capacity of the reservoir been surpa	ssed?	,
Ex	xplain:	Yes	lo
_	Visual Observation		
OTHER OBS		10 of 1	7 .
	Pond has been main (ained,	rically ary	wales
1 <u>111</u>			
-			
-			
-			
<u></u>	Small & Though		

ied impoundment/inspector 03/29/19

Page 2 of 2

Mine: New Elk						
NPDES ID. No.:	Pond #8		-			
Inspection Period:	First Quarter 2019					
Inspection Date:	03/29/19	520 p	950 AM			
		Ji J	_/_			
	or Reference to Site I					
run-off from the refuse	f Highway 12 at the bas e disposal area.	e of the refus	se disposal	area. The	pond recei	/es
EMBANKMENT						
1). Adequacy of the ve		Excellent	Moderate	Few	Poor	
2). Erosion forming G	ullies:	Extensive	Some (	Few)	None	
3). Is wave action cause	sing erosion: tream embankment?					
At the princi	ipal spillway inlet?		Yes Yes		No	
			100		No	^_
Erosion of the down     Cause of er	nstream toe of the emb osion can be attributed	ankment? to:	Yes		No	X
5). Is seepage occurrin Could this se	g through the dam? eepage cause potential	instability?	Yes_		No	×
None	absenued -	Deals	Apadi-	_0 .	٧ / ٠	
pung	0	Pins	mercy)	dry	: bew	7
PRINCIPAL SPILLWAY	,					
). Is the principal spillw	vay system in working o	order?	Yes_	X	No_	
). Is the inlet free of de	bris and restrictive mat	erial?	Yes_	X	No_	
). Is the discharge outl	et free of restrictive ma	terial?	Yes_	X	No_	
). Is erosion occurring Evaluate the severity:		Moderate	Yes_ Just sta	nrting N	No_ lone	X

New Elk Mine 3/29/2019 Pond # Q

EMERGE	ENCY SPILLWAY		ond # 8
1). Does i	it appear that the emergency spillway has discharged water since the last insper		n?
2). Is eros	osion occurring at any section of the emergency spillway?		
		lo	Χ
SEDIMEN	NT STORAGE CAPACITY		
1). Has the	he design storage capacity of the reservoir been surpassed?		
	· ·	° <u> </u>	X
i	Water level by differential level 17+ ff below	e) f	1 rimaly
	DBSERVATIONS		
3.	No significant increase in sediment de	PO.	siton,
: <del>-</del>	No significant in crease in sediment do No sediment dettas abserval to be forms hase of davn-drains	ng	al
:-	hase of daran-drains		<del></del>
£			
_			
_			
_			
s <del>-</del>			
_			
	Rarall A Thomas		
N/	MSHA Trained Impoundment Income		

MSHA Trained Impoundment Inspector 03/29/19

Mine: New Elk	Pond 6					
NPDES ID. No.:	None		-			
Inspection Period:	First Quarter 2019		-			
Inspection Date:	03/29/19					
Pond 6 is a non-disch	or Reference to Site Planarging facility designed to and the pond is now used	Contain ale	ant process other pond	ing water. Is prior to c	The plant ha	ıs
EMBANKMENT						
1). Adequacy of the v	egetative cover:	Excellent	Moderate	Few	Poor	
2). Erosion forming G		Extensive	Some (	Few	None	
3). Is wave action cau On the Ups	sing erosion: stream embankment?		Yes		_ No_	·/
4). Erosion of the dow Cause of er	nstream toe of the embar rosion can be attributed to	nkment? o:	Yes		No_	V
5). Is seepage occurring Could this s	ng through the dam? eepage cause potential in	nstability?	Yes_		No_	V
SEDIMENT STORAGE	CAPACITY					
1). Has the design stor	age capacity of the resen	oir been su				
Explain: _	No design c	apacet.	Yes_	object is	No	
OTHER OBSERVATION	NS:	o J.		9 (SM ) /)	Magan	7.
Water revel	is mainlained	by P	ar ping	exal-	5 Wat	21
ASHA Trained Impound	ment/Inspector					

Mine: N	ew Eik	WP Containment #1					
NPDES ID. N		None					
Inspection Pe	eriod:	First Quarter 2019		_			
Inspection Da	ate:	03/29/19		-			
General Des This containm West Portal V	nent basir	or Reference to Site In is a non-discharging the area.	<b>Plan:</b> facility design	ed to contain	run-off fron	n the	
EMBANKME	NT						
1). Adequacy	of the ve	getative cover:	Excellent	) Moderate F	ew P	oor	
2). Erosion fo			Extensive	Some F	ew N	one	
3). Is wave ac							
On	the Upst	ream embankment?		Yes_		No	L
4). Erosion of Car	the dowr	estream toe of the emb osion can be attributed	pankment? I to:	Yes_		No_	V
5). Is seepage Cou	occurrin uld this se	g through the dam? eepage cause potentia	al instability?	Yes		No_	
SEDIMENT ST	ORAGE	CAPACITY					
1). Has the des	sign stora	age capacity of the res	ervoir been si	urnassed?			
		Visual Obs				No	
OTHER OBSE	RVATION	IS:					
Nr ev	den	e of inflow	5ince	lastqu	asly.	Sedimo	ent
contain	Men	Thase va	s dry	at ins	secles	- with	
Knuld	ed g	masses con	ervuy in	terror	onte	muscut.	basin.
MSHA Trained I	mpoundr	ment Inspector					
3/29/2019		(S)					

Mine: New Elk	WP Containment #2					
NPDES ID. No.:	None		-			
Inspection Period:	First Quarter 2019		_			
Inspection Date:	03/29/19		_			
West Portal airshaft a	or Reference to Site in is a non-discharging and manway areas.	Plan: facility desigr	ned to conta	ain run-off	from the	
EMBANKMENT						
1). Adequacy of the v	egetative cover:	Excellent	Moderate	Few	Poor	
Erosion forming G		Extensive	Some	Few	None	
3). Is wave action cau	ising erosion:					
On the Up:	stream embankment?		Yes		_ No_	<u></u>
4). Erosion of the dow Cause of e	nstream toe of the emb rosion can be attributed	pankment? d to:	Yes		No_	
5). Is seepage occurring Could this s	ng through the dam? seepage cause potentia	al instability?	Yes		_ No_	V
SEDIMENT STORAGE	CAPACITY					
1). Has the design stor	age capacity of the res	ervoir been s	urpassed?			
Explain: _			Yes		_ No_	<u></u>
OTHER OBSERVATIO	NS: Minu	nal in	dy h	eld a	et the	lowest
elevation	of selmen	I busi	n Wi	llin ,	Containm	ent
facility.	No evidence	- of 51gi	nitico	w 1015	ton das	ini
the quale	(-					<b>*</b> 0
- Rouald M	Human					
MSHA Trained Impound 3/29/2019	ment Inspector	-				
012012010						

CDMR Rule 4.05.9(17)

Cause of erosion can be attributed to:    Separate Description or Reference to Site Plan: This partially incised containment basin is a non-discharging facility designed to contain run-off from the area east of the RDA belt conveyor and south of highway 12.    EMBANKMENT	NPDES ID.	No.: 1	RDA Containment SE None First Quarter 2019				
General Description or Reference to Site Plan: This partially incised containment basin is a non-discharging facility designed to contain run-off from the area east of the RDA belt conveyor and south of highway 12.  EMBANKMENT  1). Adequacy of the vegetative cover: Excellent Moderate Few Poor 2). Erosion forming Gullies: Extensive Some Few None  3). Is wave action causing erosion: On the Upstream embankment? Yes No  4). Erosion of the downstream toe of the embankment? Yes No  Cause of erosion can be attributed to:  5). Is seepage occurring through the dam? Yes No  Could this seepage cause potential instability?  Ale and continued and incused factory  1). Has the design storage capacity of the reservoir been surpassed?  Explain: Usual abjection of the surpassed?  Explain: Usual abjection of the reservoir been surpassed?  Yes No  OTHER OBSERVATIONS:				0 6- 10:00 Am			
1). Adequacy of the vegetative cover: Excellent Moderate Few Poor  2). Erosion forming Gullies: Extensive Some Few None  3). Is wave action causing erosion: On the Upstream embankment? Yes No U  4). Erosion of the downstream toe of the embankment? Yes No U  5). Is seepage occurring through the dam? Yes No U  Could this seepage cause potential instability?  **Dean Comment of the reservoir been surpassed?**  Explain: **Dean observation**  OTHER OBSERVATIONS:  **Municipal Sediment accumulation of grasses grawing on pend hattern.**	This partially	y incised co	r Reference to Site Pla	n: n-discharging facility	/ designed to contain	ı run-of	f
2). Erosion forming Gullies: Extensive Some Few None  3). Is wave action causing erosion: On the Upstream embankment? Yes No  4). Erosion of the downstream toe of the embankment? Cause of erosion can be attributed to:  5). Is seepage occurring through the dam? Could this seepage cause potential instability?  **Record of the embankment**  **Sediment** Seepage occurring through the dam?  **Could this seepage cause potential instability?  **Dear of the design storage capacity of the reservoir been surpassed?  **Explain:**  **Usual objection of the embankment?  **One  **One  **One  **Pew No  **Could this seepage occurring through the dam?  **Pes No  **One	EMBANKMI	ENT					
3). Is wave action causing erosion: On the Upstream embankment?  4). Erosion of the downstream toe of the embankment? Cause of erosion can be attributed to:  5). Is seepage occurring through the dam? Could this seepage cause potential instability?  **Decard and increal factury**  SEDIMENT STORAGE CAPACITY  1). Has the design storage capacity of the reservoir been surpassed?  Explain:  **Usual abjection**  OTHER OBSERVATIONS:  **Mumal Sediment accumulation**  **Grasses growling**  **The service of the embankment?  **Yes No Usual abjection**  OTHER OBSERVATIONS:  **Mumal Sediment accumulation**  **The service of the embankment?  **Yes No Usual abjection**  **The service of the embankment?  **The service of the embankment?  **Yes No Usual abjection**  **The service of the embankment?  **The service of the service of the embankment?  **The service of the	1). Adequad	cy of the vec	getative cover:	Excellent Modera	ite Few Poor		
A). Erosion of the downstream toe of the embankment?  Cause of erosion can be attributed to:  1). Is seepage occurring through the dam?  Could this seepage cause potential instability?  We make the make the and increased facility  SEDIMENT STORAGE CAPACITY  1). Has the design storage capacity of the reservoir been surpassed?  Explain:  When the design storage capacity of the reservoir been surpassed?  Explain:  When the design storage capacity of the reservoir been surpassed?  The design storage capacity of the reservoir been surpassed?  Explain:  Sediment accumulation - grasses growing an pend battern.	2). Erosion	forming Gul	lies:	Extensive Some	Few None		
Cause of erosion can be attributed to:  5). Is seepage occurring through the dam?  Could this seepage cause potential instability?  We am an increed facility  SEDIMENT STORAGE CAPACITY  1). Has the design storage capacity of the reservoir been surpassed?  Explain:  Would chreritation  OTHER OBSERVATIONS:  Minimal Sediment accumulation—grasses growing an pend battern.				Y	es	No	
Could this seepage cause potential instability?  No embantment - an increed factily  SEDIMENT STORAGE CAPACITY  1). Has the design storage capacity of the reservoir been surpassed?  Explain: Visual observation  OTHER OBSERVATIONS:  Minimal Sediment accumulation - grasses growing an pend battern:	4). Erosion o	of the downs cause of ero	stream toe of the emban sion can be attributed to	kment? Y	es	No_	<u></u>
1). Has the design storage capacity of the reservoir been surpassed?  Explain: Visual objectation  OTHER OBSERVATIONS:  Migunal Sediment accumulation - grasses growing an pend battern.	С	ould this se	epage caușe potential ir	stability?		No_	V
OTHER OBSERVATIONS:  Minimal Sediment accumulation - grasses growing on pond battern.	SEDIMENT S	STORAGE (	CAPACITY				
Minimal sediment accumulation - grasses growing on pond battern.						No	V
an pond ballom.			177				
an pond ballom.	Minima	[ 5P0	liment acco	emulation	-grasses	9	rawling
1 10 41	on por	nd ba	Hom.			0	/
Korall A Tunger	Rosale	OH A	unger				

MSHA Trained Impoundment Inspector

3/29/2019

CDMR Rule 4.05.9(17)

I his partially incised c	or Reference to Site Pi	n-discharging facility decigned t	o contain run-off
EMBANKMENT			
1). Adequacy of the ve	egetative cover:	Excellent Moderate Few	Poor
2). Erosion forming Gu	ıllies:	Extensive Some Few	None
3). Is wave action caus On the Ups	sing erosion: tream embankment?	Yes	No
4). Erosion of the dowr Cause of er	nstream toe of the embar rosion can be attributed t	nkment? Yes o:	No
5). Is seepage occurrin  Could this s	eepage cause potential i	Yesinstability?	No U
SEDIMENT STORAGE	CAPACITY		
Has the design stora     Explain:	age capacity of the reser	voir been surpassed? Yes	No V
OTHER OBSERVATION	NS:		
Containmen	I 15 dry		

MSHA Trained Impoundment Inspector 3/29/19

CDMR Rule 4.05.9(17)

Mine: New Elk RDA Containment North
NPDES ID. No.: None
Inspection Period: First Quarter 2019
Inspection Date: 02/21/17
General Description or Reference to Site Plan: This incised containment basin is a non-discharging facility designed to contain run-off from the RDA belt conveyor area north of highway 12.
EMBANKMENT
Adequacy of the vegetative cover: Excellent Moderate Few Poor
2). Erosion forming Gullies: Extensive Some Few None
3). Is wave action causing erosion: On the Upstream embankment?  Yes No
4). Erosion of the downstream toe of the embankment?  Cause of erosion can be attributed to:
5). Is seepage occurring through the dam?  Could this seepage cause potential instability?  Containment 15 M Clark The Subarkment
SEDIMENT STORAGE CAPACITY
1). Has the design storage capacity of the reservoir been surpassed?
Explain: Yes No _X
OTHER OBSERVATIONS: Containment is nearly dry and
any rediment could be excreated this spring it
Cardiliona remain tripovable
MSHA Trained Impoundment Inspector

3/29/2019