CDMR Rule 4.05.9(17)

New Elk

Mine:

NPDES ID. No.:	Pond #1							
Inspection Period:	First Quarter 2018							
Inspection Date:	03/27/18							
General Description	or Reference to S	ite Plan:						
Ochoral Boodisparen								
This Pond lies West of storage pond.	of the Industrial Buil	ding and se	erves as a	a mine w	vater settleir	ng and	water	
								5
EMBANKMENT								
				-	_	Б.		
1). Adequacy of the	vegetative cover:	E	Excellent	Modera	ate Few	PC	oor	
		-	- denoise	Como	Few	No	one	
2). Erosion forming (	Gullies:	C	Extensive	Some	Tevy	140	one	
0) 1	ing propion:							
3). Is wave action ca	iusing erosion.	nt?			Yes		No	6
On the Up	ostream embankme	ווני ס			Yes		No	C
At the prir	ncipal spillway inlet?				103			
4). Erosion of the do	wateroom too of the	a embankn	nent?		Yes		No	
4). Erosion of the do	erosion can be attri	buted to:	icit:				-	
Cause of	erosion can be aun	buteu to.						
		<u> </u>						
E) 1	rring through the de	m2			Yes		No	i
5). Is seepage occu	s seepage cause po	uu: Mantial inst	ahilitv?				_	
Tone	of 15 lined.							
PRINCIPAL SPILLV	VΔV							
PRINCIPAL SPILL	IA.							
1). Is the principal s	nillway system in w	orkina orde	er?		Yes L	/	No_	
1). 13 the principal of	pilitray eyete							
2). Is the inlet free of	of debris and restric	tive materia	al?		Yes		No_	
2). 13 the internet								
3). Is the discharge	outlet free of restric	ctive materi	al?		Yes		No_	
<i>5).</i> 10 a.15 a.05.1a.1g0	Parties and Partie							./
4). Is erosion occur	ring at the discharg	e outlet?			Yes		No_	
Fyaluate the sev		Extensive	Moderate	e J	Just starting	N	lone	

#### **EMERGENCY SPILLWAY**

1). Does it	appear that	the emerg	jency spillway ha	s discharged	water since the Yes		
2). Is eros	ion occurrinç		No Inschar		ray? Yese start of c	No_ V	
SEDIMEN	T STORAGE	E CAPACI		g	,	7	
1). Has th	e design sto Explain:	rage capa	city of the reserv	oir been surp	eassed? Yes	No_	/
		No	Capacity	desig	u Slando	yd	
OTHER O	BSERVATIO		~	0	_1		
	wat	inflow en leve	el is spu	ly deco	reasing d	upitation.	
	eva	perat	fon.				<b>N</b> acconstant and table is held
			000 000 000				
		-1					
		<u>, , , , , , , , , , , , , , , , , , , </u>					
		2	. /				

MSHA Trained Impoundment Inspector

CDMR Rule 4.05.9(17)

New Elk

Mine:

NPDES ID. No.:	Pond #4						
Inspection Period:	First Quarter 2018		_				
Inspection Date:	03/27/18		-				
mapeonon bate.	00/2//10		_				
General Description	or Reference to Site	Plan:					
This sediment contro	ol pond lies west of the D	Development Wa	aste Pile. Th	ne majority o	of		
	te pile flows to this pond	d. It has never re	eceived suffic	cient inflow t	0		
discharge.							
EMBANKMENT							
1). Adequacy of the	vegetative cover:	Excellent	Moderate	Few	Poor		
2). Erosion forming	Gullies:	Extensive	Some (	Few	None		
3). Is wave action ca	ausina erosion:						
	ostream embankment?		Yes	S		No	6
	ncipal spillway inlet?		Yes	3	-	No	6
·					-		
	wnstream toe of the em		Yes	S	-	No_	
Cause of	erosion can be attribute	ed to:					
5) le coopage occur	rring through the dam?		Yes	3		No	1
	s seepage cause potent	tial instability?	100		-	_	
Could tills	s seepage cause potent	liai ilistability :					
PRINCIPAL SPILLW	<b>VAY</b>						
				4			
1). Is the principal sp	pillway system in workin	ng order?	Yes	$s_{\mu}$	<del></del>	No_	
			-	11			
2). Is the inlet free o	of debris and restrictive r	material?	Yes	s	-	No_	·
			Va	- 1/		No	
3). Is the discharge	outlet free of restrictive	material?	Yes		-	No_	
1) le erosion occurr	ring at the discharge out	tlet?	Yes	S		No	V
Evaluate the seve	•	nsive Moderate		starting	None		•
Lydidate the seve	nity.		_				

#### **EMERGENCY SPILLWAY**

1). Does it	appear that the	e emerger	ncy spillwa	y has dischai	rged water sin Yes	ice the last ins	pection No	1? ~
2). Is eros	ion occurring at			emergency s	Yes		No	
SEDIMEN	T STORAGE C	APACIT	Y					
1). Has th	e design storag				1/		No_	
OTHER O	BSERVATION:		<u>.</u>	Cr. 1				
	From	Pand	al int	Pond 6	as bee	Pond 4	15 ng	Thas
	pond	cont	ains	a mi	100 200	iru ( q	our	<i>X</i> (1
	,							
								A distribution of the second

MSHA Trained Impoundment Inspector

Mine:	New Elk								
NPDES I	D. No.:	Pond #7							
Inspectio	n Period:	First Quarter 2	2018						
Inspectio	n Date:	03/27/18							
General	Description	or Reference	to Site Pla	n:					
This cod	mont control	l pond lies east	of the prep	aration nla	nt and n	ond #6 It rece	eives ru	n-off f	rom
the maio	rity of the act	tive surface fac	ilities area l	vina south	of State	Highway 12.	3,100,10	. •	
ine majo	inty or the do	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Jg ===		3 ,			
<b>EMBANI</b>	KMENT								
	•			<b>-</b>	20-1		Poor		
1). Adec	luacy of the v	vegetative cove	er:	Excellent	Modera	ate Few	P001		
2) Fros	ion forming (	Zullies.		Extensive	Some	Few	None		
2). E105	on forming c	Julies.		LXCHQIVC	Como	(10.11)	, , , , , ,		
3). Is wa	ve action ca	using erosion:							
0)		stream emban	kment?		,	Yes	_	No_	L
	At the prin	icipal spillway i	nlet?		,	Yes	-	No_	<u></u>
					_				
4). Eros		wnstream toe			,	Yes	-	No_	L
	Cause of	erosion can be	attributed to	0:					
5) Is se	epage occur	ring through th	e dam?		,	Yes		No	1
0). 10 00		seepage caus		instability?					
			•						
PRINCIP	PAL SPILLW	AY							
1) le th	a nrincinal sr	oillway system i	in working o	rder?		Yes		No	
1). 15 11	e principal sp	mway System	ii wonang c	1001.			-	-	
2). Is th	e inlet free of	f debris and res	strictive mat	erial?		Yes U	_	No_	
_/							_		
3). Is th	e discharge	outlet free of re	strictive ma	terial?		Yes	_	No_	
			24			V		NI-	4
		ing at the disch				Yes	- None	No_	
Evalu	ate the seve	rity:	Extensive	Moderate	; JI	ust starting	NONE		

#### **EMERGENCY SPILLWAY**

1). Does i	t appear tha	t the emerge	ency spil	lwav has d	ischarge	d water sin	ce the last ir	spectio	n?
•		Ü	, ,		3 -	Yes		No	
						9	***************************************		
2). Is eros	sion occurrir	ng at any sed	ction of t	he emerge	ency spilly	vay?			
						Yes		No	
	Describe e	extent:						-	
05011451	T 070040								
SEDIMEN	II STORAG	E CAPACIT	Υ						
1) Uaa th	o docian ot	25000 00000			L				
i). Has in	ie design sto	orage capaci	ity of the	reservoir	been surp			N1 -	. /
	Explain:					Yes		No_	
	Explain.	-							
		Pond	Was	clear	nel d	Selin	neutin	Z	017.
					,				
THED O	BSERVATION	ONE							
JIHEK O									
	Wal	er leve	1 15	a Law	t a f	and he	Sand.	AL C	
	7070	=0	1 1)	2000	· 00 1	00 1 2	2000	KLA	29
	Stat	1 aga	ear	d lou	101	hole	of the	DOI	ancel 4
	n	(0 V						-	<del>,,,,</del>
	_ 2/15	Jargo	CI	5en.					
		0						10-20-0	
							Name of the second		
		****		No.					
	manufacture of the second of t				***************************************		w.w.,		
			THE STATE OF THE S					***************************************	
	1	0							

MSHA Trained Impoundment Inspector

Mir	ne:	New Elk									
NP	DES ID	. No.:	Pond #8			_					
Ins	pection	Period:	First Quarter			-					
Ins	pection	Date:	03/27/18	i		_					
Ge	neral D	escription	or Reference	to Site Plar	า:						
			f Highway 12 a e disposal area		f the refus	e disposa	al area.	The	oond re	ceives	
EM	IBANKI	MENT									
1).	Adequ	acy of the v	regetative cove	er:	Excellent	Moderat	te Few		Poor		
2).	Erosio	n forming G	Gullies:		Extensive	Some	Few		None		
3).	Is wav	e action ca	using erosion:								
		On the Up	stream emban	ıkment?		Y	es		_	No_	V
		At the prin	cipal spillway i	nlet?		Y	es		_	No_	~
4).	Erosio		wnstream toe o			Y	es		-	No_	V
		04400 01 0	orodion dan be	attributou to						***************************************	
5).	Is seep		ring through th		a a ta h ilih iO	Y	es		-	No_	V
		Could this	seepage caus	e potentiai ir	istability?		-				
							1000				
PR	INCIPA	L SPILLW	AY								
1).	Is the	orincipal sp	illway system i	n working or	der?	Y	es		-	No_	
2).	Is the i	nlet free of	debris and res	strictive mate	erial?	Y	es <i>l</i>		-	No_	
3).	Is the	discharge o	utlet free of re	strictive mate	erial?	Y	es	/	-	No_	
,		sion occurring the the sever	ng at the disch ity:		Moderate		es t startin	g	None	No_	

New Elk Mine 3/27/2018 Pond #

#### **EMERGENCY SPILLWAY**

1). Does i	t appear that the er	mergency sp	oillway has disch	narged water since th	ne last inspection	?
				Yes	No	
2). Is ero	sion occurring at an	ny section of	f the emergency	y spillway? Yes	No	
SEDIMEN	IT STORAGE CAP					
1). Has th	ie design storage o	apacity of th	ne reservoir bee	n surpassed?		
	Explain: 1/15	iral Ok	sevation	n surpassed? Yes Z - pond wat For schede	No_	9
	pun ped to	pand	6/Pond 4	for schede	de April	Clennoù
OTHER O	BSERVATIONS			~ 0		
	Minor	Snow	coves.	Pond wal	y level 1	5
	_several	feet	believe	Pond wall	based-	
		The second secon	1960 (S. 16. 16. 16. 16. 16. 16. 16. 16. 16. 16			345 ) (
	2			***		
	,	100 TO 10				
		=2	70.00			
	****	1117				

MSHA Trained Impoundment Inspector



New Elk Pond 7 - March 27, 2018



New Elk Pond 8 – March 27, 2018

Mine: New Elk Pond 6						
NPDES ID. No.: None						
Inspection Period: First Quarter 2018						
Inspection Date: 03/27/18						
General Description or Reference to Site Plane Pond 6 is a non-discharging facility designed to a been idle since 1996 and the pond is now used to	contain pla	nt process other pond	sing water. ds prior to c	The plar clean-out	nt has	
EMBANKMENT						
1). Adequacy of the vegetative cover:	Excellent	Moderate	Few	Poor		
2). Erosion forming Gullies:	Extensive	Some	Few	None		
Is wave action causing erosion:     On the Upstream embankment?		Yes	s	_	No	
Erosion of the downstream toe of the embar     Cause of erosion can be attributed to		Ye	s		No	L-
5). Is seepage occurring through the dam?  Could this seepage cause potential in	nstability?	Ye	s	_	No	
SEDIMENT STORAGE CAPACITY  1). Has the design storage capacity of the reser	rvoir been :	surpassed	l?			
A	2 2	Ye	S	Evals	No_	V VEA
Explain: No designstar	racua,	Operare	or con	7 0	no ex	
OTHER OBSERVATIONS: Jeast	by f	Sumpi	n to f	and "	7 9	5 Necores
:						
MSHA Trained Impoundment Inspector 3/27/2018	-					

Mine: New Elk	WP Containment #1		_				
NPDES ID. No.:	None						
Inspection Period:	First Quarter 2018		-				
Inspection Date:	03/27/18		-				
	or Reference to Site sin is a non-discharging use area.		ed to cont	ain run-off fi	rom the		
EMBANKMENT							
1). Adequacy of the v	egetative cover:	Excellent	Moderate	Few	Poor		
2). Erosion forming G	Gullies:	Extensive	Some (	Few	None		
Is wave action car     On the Up	using erosion: stream embankment?		Yes	S	_	No_	6
	wnstream toe of the er erosion can be attribute		Yes	s	_	No_	
Gadoc of C	rosion can be autibut	ou to.					
	ring through the dam? seepage cause poten	tial instability?	Yes	S	-	No_	V
-							·····
SEDIMENT STORAG	E CAPACITY						
1). Has the design sto	orage capacity of the r	eservoir been s	surpassed'	?			-
Explain:	Visual Obs	servation	Yes	S	-	No_	V
OTHER OBSERVATI	ONS: Mini	ra amou	into la	raly a	5 /Ce	10	ind
a light	Snow cover.		*				
V							
, , , , , , , , , , , , , , , , , , , ,		, , , , , , , , , , , , , , , , , , ,		<i>Y</i>			
MSHA Trained Impour	Mony —— ndment Inspector				,		

Mine:	New Elk	WP Containment #2					
NPDES ID		None		•			
Inspection		First Quarter 2018		· ·			
Inspection		03/27/18					
mspection	Date.	00/2//10	ip recept				
This conta	inment bas	or Reference to Site in is a non-discharging nd manway areas.		ed to	contain run-off from	the	
EMBANK	MENT						
1). Adequ	acy of the v	egetative cover:	Excellent	Mode	erate Few Po	oor	
2). Erosio	n forming G	Gullies:	Extensive	Som	e Few No	one	
3). Is wave		using erosion: stream embankment?			Yes	No_	V
4). Erosio		wnstream toe of the er erosion can be attribute			Yes	No_	
5). Is seep		ring through the dam? seepage cause poten	tial instability?		Yes	No_	
SEDIMEN	T STORAG	SE CAPACITY					
A) 11 - 0		ib. of the	racanicir boon	ourno	scod?		
1). Has th	e design st	orage capacity of the r	eservoir been	Suipa	Yes	No	1
	Explain:	1104	Observat	9	100		
OTHER O	BSERVAT	-	tammen	,	Sasin is day	4.	
						)	
4							
MSHA Tra	MM ained Impou	Anyu- undment Inspector					
	3/27	12018					

Mine: New Elk	RDA Containment No	rth			
NPDES ID. No.:	None				
Inspection Period:	First Quarter 2018				
Inspection Date:	02/21/17				
This incised contain	on or Reference to Site I nment basin is a non-discl area north of highway 12.	harging facility des	signed to contain	run-off fro	om the
EMBANKMENT /	incized with no	emboutme	nt		
1). Adequacy of the	e vegetative cover:	Excellent Mo	derate Few	Poor	
2). Erosion forming	Gullies:	Extensive Sor	me Few	None	
3). Is wave action of On the U	ausing erosion: lpstream embankment?		Yes		No_C
	ownstream toe of the eml ferosion can be attributed		Yes		No
	rring through the dam? s seepage cause potentia	al instability?	Yes	1	No
SEDIMENT STORA	GE CAPACITY				
1) Has the design s	storago consoity of the re-	som roin hoon or a	10		
i). Thas the design s	storage capacity of the res	servoir been surpa	Yes		10 3
Explain:			162	-   "	NO
OTHER OBSERVAT	TIONS: San	faut rep	naining C	Capaci	ily
Water hole	din pand 15	frozen n	alle light	Snow	cover.
	*				
7					
Knalle	of Lunger				
MSHA Trained Impo					
3/27/	2018				

Mine: New Elk RDA Containme	ent SE		
NPDES ID. No.: None			
Inspection Period: First Quarter 20	)18		
Inspection Date: 03/27/18			
General Description or Reference to This partially incised containment basi from the area east of the RDA belt con	in is a non-discharging fac	cility designed to a ay 12.	contain run-off
EMBANKMENT			
1). Adequacy of the vegetative cover:	Excellent Mod	erate Few	Poor
2). Erosion forming Gullies:	Extensive Som	e Few	None
Is wave action causing erosion:     On the Upstream embankment?		Yes	No
Erosion of the downstream toe of the Cause of erosion can be at		Yes	No_
5). Is seepage occurring through the c Could this seepage cause p		Yes	No V
SEDIMENT STORAGE CAPACITY			
1). Has the design storage capacity of	the reservoir been surpa	ssed?	
Explain: Visual O	1	Yes	No V
OTHER OBSERVATIONS:			
Contain ment do	y with No	Mainlena	nce required
at his time	****		
.1			
MSHA Trained Impoundment Inspector	r		
(		1	

Mine: New Elk RDA Containment SW  NPDES ID. No.: None Inspection Period: First Quarter 2018 Inspection Date: 03/27/18		
General Description or Reference to Site Plan: This partially incised containment basin is a non-discharging factor from the area west of the RDA belt conveyor and south of highways.	ility designed to d	contain run-off
EMBANKMENT		
Adequacy of the vegetative cover:  Excellent Mode	erate Few	Poor
2). Erosion forming Gullies: Extensive Some	e Few	None
Is wave action causing erosion:     On the Upstream embankment?	Yes	No
Erosion of the downstream toe of the embankment?  Cause of erosion can be attributed to:	Yes	No
5). Is seepage occurring through the dam?  Could this seepage cause potential instability?	Yes	No
SEDIMENT STORAGE CAPACITY		
Has the design storage capacity of the reservoir been surpas     Explain:	sed? Yes	No
OTHER OBSERVATIONS:		
Containment is day; No weeled at this times	Main Cen	ACL
MSHA Trained Impoundment Inspector 3/27/2018		