

UNITED STATES NUCLEAR REGULATORY COMMISSION REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PENNSYLVANIA 19406-1415

April 27, 2007

License No. 47-25412-02

Docket No. 03036508 Control No. 140369

Russell L. Hodges Radiation Safety Officer Pinnacle Mining Company, LLC Pinnacle Creek Road Pineville, WV 24974

SUBJECT: PINNACLE MINING COMPANY, LLC, LICENSE AMENDMENT, CONTROL NO. 140369

Dear Mr. Hodges:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at <u>www.nrc.gov</u>; select **Nuclear Materials; Medical, Industrial, and Academic Uses of Nuclear Material;** then **Toolkit Index Page.** Or you may obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-888-293-6498. The GPO is open from 7:00 a.m. to 9:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Jenny Johansen

Jenny Johansen Health Physicist Materials Security and Industrial Branch Division of Nuclear Materials Safety

Enclosure: Amendment No. 4 R. Hodges Pinnacle Mining Company, LLC

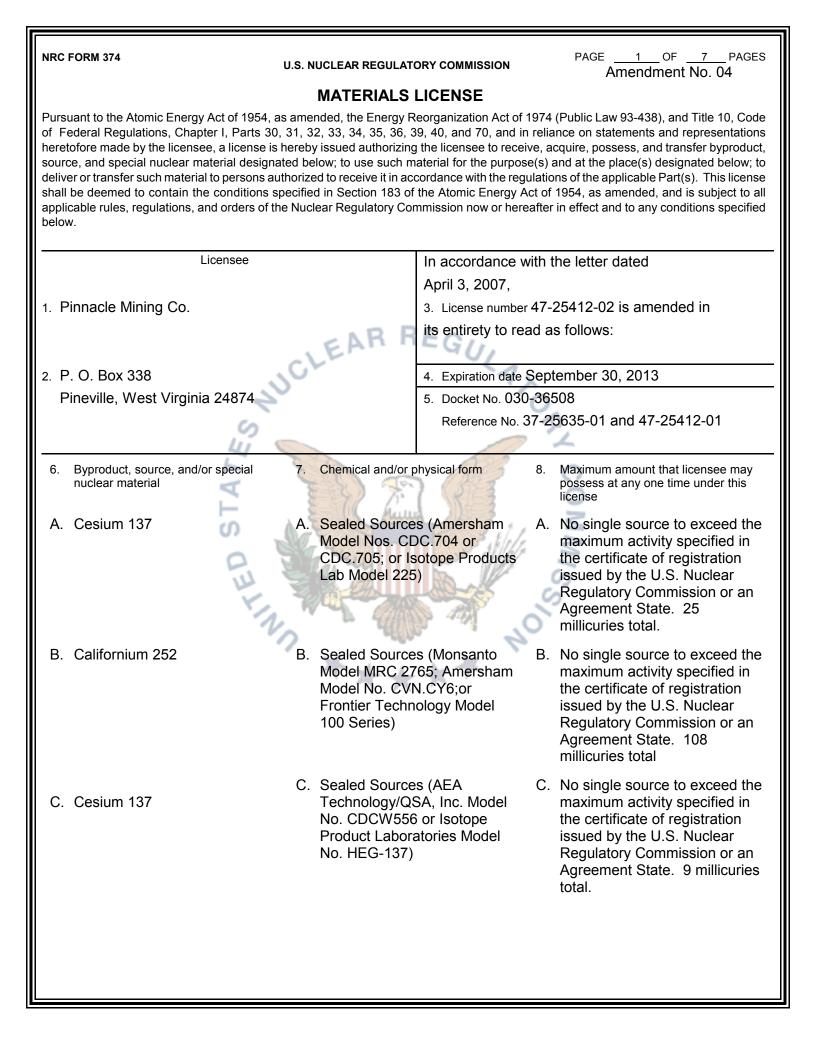
DOCUMENT NAME: C:\FileNet\ML071220148.wpd

SUNSI Review Complete: <u>JJohansen</u> After declaring this document "An Official Agency Record" it <u>will</u> be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy w/o attach/encl "E" = Copy w/ attach/encl "N" = No copy

OFFICE	DNMS/RI	Ν	DNMS/RI	DNMS/RI		
NAME	JJohansen /JMJ/					
DATE	4/27/07					

OFFICIAL RECORD COPY



NRC FOR	M 374A U.S. NUCLE	AR REGULATORY COMMISSION						
			License Number 47-25412-02					
	MATERIALS LIC SUPPLEMENTARY	_	Docket or Reference 030-36508 37-25635-01 a		2-01			
			Amendment N	o. 04				
	oduct, source, and/or special ear material	7. Chemical and/or physical	form 8.	Maximum amo possess at any license				
D. Ame	ericium 241	D. Sealed Sources (AE, Technology/QSA, Inc No. AMNV.997 or Iso Product Laboratories Nos. 3021, 3027, or Am1.NO2)	c. Model otope	No single so maximum ac the certificat issued by th Regulatory Agreement millicuries to	ctivity sp te of reg le U.S. M Commis State. 4	pecif gistra Nucl ssior	fied in ation lear	
9. Aut A. and E C. and I	gauging devices that under 10 CFR 32.210 a Commission or Agro specifically authorized use the devices.	ental analyses of bulk mate have been registered eithe or with an Agreement Sta eement State specific licer d by a Commission or Agre aboratories Model No. 34 roperties of materials.	er with the U.S. Ite and have been use authorizing of eement State lice	Nuclear Reg en distributed distribution to ense to recei	ulatory (d in acco person ive, pos	Com orda is sess	nmission ance with	
		CONDITIONS	*					
10. A.	Licensed material listed in i facilities located at State Re Virginia.		•	•				
B.	Licensed material listed in i facilities located at State Re and may be used at tempor Nuclear Regulatory Commi including areas of exclusive	bad 12/3, Pinnacle Creek I rary job sites of the license ssion maintains jurisdiction	Road, Pineville, ee anywhere in t n for regulating t	Wyoming Co the United St the use of lic	ounty, W ates wh	Vest iere	t Virginia the U.S.	
	If the jurisdiction status of a should contact the Federal proposed job site is an area materials at job sites in Agr from the appropriate state i	agency controlling the job a of exclusive Federal juris eement States not under e	site in question diction. Authori	to determine	e whethe e of rad	er th ioac	ne ctive	

NRC FORM 374A **U.S. NUCLEAR REGULATORY COMMISSION** PAGE 3 of 7 PAGES License Number 47-25412-02 Docket or Reference Number MATERIALS LICENSE 030-36508 SUPPLEMENTARY SHEET 37-25635-01 and 47-25412-01 Amendment No. 04 11. A. Licensed material listed in items 6.A. and 6.B. above shall be used by, or under the supervision of, individuals who have received the training described in application dated September 23, 1997, and the letter dated January 8, 1998, and have been designated, in writing, by the Radiation Safety Officer. The licensee shall maintain records of individuals designated as users for 3 years following the last use of licensed material by the individual. B. Licensed material listed in items 6.C. and 6.D. shall be used by, or under the supervision and in the physical presence of, individuals who have received the training described in the application dated February 4, 2004. C. The Radiation Safety Officer for this license is Russell L. Hodges 12. In addition to the possession limits in Item 8, the licensee shall further restrict the possession of licensed material to guantities below the minimum limit specified in 10 CFR 30.35(d) for establishing decommissioning financial assurance. 13. A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six

 A. Sealed sources shall be tested for leakage and/or contamination at intervals not to exceed six months or at the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State.

B. In the absence of a certificate from a transferor indicating that a leak test has been made within the intervals specified in the certificate of registration issued by the U.S. Nuclear Regulatory Commission under 10 CFR 32.210 or under equivalent regulations of an Agreement State, prior to the transfer, a sealed source received from another person shall not be put into use until tested and the test results received.

C. Sealed sources need not be tested if they are in storage and are not being used; however, when they are removed from storage for use or transferred to another person and have not been tested within the required leak test interval, they shall be tested before use or transfer. No sealed source shall be stored for a period of more than 10 years without being tested for leakage and/or contamination.

- D. The leak test shall be capable of detecting the presence of 0.005 microcurie (185 becquerels) of radioactive material on the test sample. If the test reveals the presence of 0.005 microcurie (185 becquerels) or more of removable contamination, a report shall be filed with the U.S. Nuclear Regulatory Commission in accordance with 10 CFR 30.50(c)(2), and the source shall be removed immediately from service and decontaminated, repaired, or disposed of in accordance with Commission regulations.
- E. Tests for leakage and/or contamination, limited to leak test sample collection, shall be performed by the licensee or by other persons specifically licensed by the U.S. Nuclear Regulatory Commission or an Agreement State to perform such services. The licensee is not authorized to perform the analysis; analysis of leak test samples must be performed by persons specifically licensed by U.S. Nuclear Regulatory Commission or an Agreement State to perform such services.

NRO	FORM 374A		U.S. NUCLEAR REGULATORY COMMISSION						PAGE 4 of							7	PAG	εs				
												ense Nu -2541										
			MATE		LS LI		SE					ket or F		nce Nu	umbe	er						
			SUPPL									0-365				0544	~ ~					
																-2541	2-0	1				
											Am	nendn	nent	No.	04							
	F.	Records	of leak	test	result	s sha	ll be l	kept in	n units	s of m	nicro	curie	s and	l sha	all b	e mai	intai	ine	d for	[.] 5 y	ear	s.
14.		iled sourc n source l						ng lice	nsed	mate	rials	shall	not b	е ор	ene	d or s	soui	rce	s rer	nov	ed	
15.	U.S und and	licensee Nuclear er the lice shall incl inventory	Regula ense. F ude the	atory Recor	Comn ds of i	nissio inven	n, to a tories	accou s shall	nt for be ma	all sc aintai	ourc ined	es an for 5	id/or year	devi s fro	ces om t	recei he da	ived ate c	i ar of e	nd po each	osse inve	sse ento	ory
16.	A.	Each fixe indicator certificat 10 CFR	, if any e of reg	, at in gistra	terval	s not sued	to ex by th	ceed 6 ie U.S.	6 mor . Nucl	nths o lear R	or at Regu	such	long y Cor	er in nmis	nterv	als a	s sp	bec	ified			
	В.	Notwiths apply to position.	gauges	s that	are st	tored,	, not b	being	used,	and I	have	e the	shutt	er lo	ock i	mech	anis					ıot
17.	relo non sea shie	e following cation, re -routine n led sourc elding). T gulatory C	moval f nainten e, the s hese se	from s ance source ervice	service or rep e holde es sha	e, dis bair of er, so Ill be p	mantl f com ource perfor	ling, a poner drive i rmed o	lignm nts rel mecha only b	ent, r ated t anism y pers	epla to th n, or son:	aceme ne rac n-off r s spe	ent, c liolog nech cifica	lispo lical anis Illy lie	sal safe m (of the ety of shutte	e se the er),	eale e ga shi	ed so auge utter	i.e (i.e	., th trol	ne ,
18.		licensee . Nuclear																				
	A.	The gau	ge mus	st be r	mount	ted in	acco	ordance	e with	n writte	en i	nstruc	ctions	s pro	ovide	ed by	the	m	anuf	actu	irer;	,
	В.	The gau "Limitatio U.S. Nuo	ons and	d/or C	Other C	Consi	derati	ions o	f Use'	" in th	ne ce	ertific										

NRG	C FOR	M 374A		U.S. NI	JCLEAR F	REGULATO	DRY COMMIS	SSION	PAGE 5 of 7 PAGES
									License Number 47-25412-02
				RIALS		-			Docket or Reference Number 030-36508 37-25635-01 and 47-25412-01
									Amendment No. 04
	C.	The on-o be other			•	[.]) must b	e locked	in the	off position, if applicable, or the source must
	D.	The gau	ge mus	t be rec	eived ir	n good ce	ondition (i	i.e., p	ackage was not damaged); and
	E.	The gau	ge mus	t not rea	quire ar	iy modifi	ication to	fit in t	he proposed location.
	rem spe	ain fully s	hieldeo	l and the	e gauge	e may no	ot be used	d until	or operation of the gauge. The source must it is installed and made operational by a person hission or an Agreement State to perform such
19.	A.	radiologi	cal safe	ety of th	e device	e and that	at do not i	result	components that are not related to the in the potential for any portion of the body to ed radiation levels in accessible areas.
	B.	sealed so control, c	ource, or shiel	the sour ding, or	ce hold any oth	er, sour	ce drive m	necha lated t	of the following device components: the mism, on-off mechanism (shutter), shutter to the radiological safety of the device, except nse.
20.	the dete This	source or ermine rac	remov diation shall be	al of the levels in perform	shieldi access ied only	ng, the l sible area v by pers	licensee s as arounc sons autho	shall a d, abc	tling, alignment, or any other activity involving ssure that a radiological survey is performed to ve, and below the gauge with the shutter open. I to perform such services by the U.S. Nuclear
21.	spe		peratu	e and e	nvironn	nental lir			ning licensed material within the manufacturer's he shielding and shutter mechanism of the
22.	lock dire	ked in the act radiatio	closed on bear	position n. The l	during	periods shall re	when a p eview and	oortior I modi	each device containing licensed material, is of an individual's body may be subject to the fy, as appropriate, its "lock-out" procedures ce manufacturer's recommendations.
23.	or a	iccidental	remova	al of the	sealed	source	from its sl	hielde	ked container designed to prevent unauthorized d position. The gauge or its container must be direct surveillance of an authorized user.
24.	rod	from the g	gauge	shall be	perforn	ned only	by the m	anufa	es that requires detaching the source or source acturer or by other persons specifically licensed ment State to perform such services.

NRC FOR	M 374A U.S. NUCLEAR REGULATORY COMMISS	-
		License Number 47-25412-02
	MATERIALS LICENSE	Docket or Reference Number 030-36508
	SUPPLEMENTARY SHEET	37-25635-01 and 47-25412-01
		Amendment No. 04
25. A.	and other appropriate procedures to reduce the p	m the lowest depth to 12 inches above the surface robability of the source or probe becoming lodged e casing 12 inches above the surface, the licensee
Б	EAR RE	G//
B.	If a sealed source or a probe containing sealed so becomes apparent that efforts to recover the seal licensee shall notify the U.S. Nuclear Regulatory 10 CFR 30.50(b)(2) and (c). The licensee shall no obtaining the Commission's prior written consent.	ed source or probe may not be successful, the Commission and submit the report required by
	e licensee is authorized to transport licensed materi	
10	CFR Part 71, "Packaging and Transportation of Ra	dioactive Material."
	H E Aun	
	07	3 stille I
	X	LX X
	**	

inclι ern ι	uding unless are
(