## **ENCLOSURE 4**

	<b>RC°F</b> OF -94)		L	I.S. NUCLEAR REGL	JLATORY COMMESSION	PAGE OF PAGI
				MATERIA	LS LICENSE	
Fe by ma pe sp	ederal R / the lic aterial / ersons a pecified	Regulati ensee, a designa authorize in Sect	ons. Chapter I, Parts 30, 31, 32, 33 a license is hereby issued authorizin ited below: to use such material fo ed to receive it in accordance with	. 34. 35. 36. 39. 40, ng the licensee to rec or the purpose(s) and the regulations of the rt of 1954, as amend	and 70, and in reliance on reive, acquire, possess, and d at the place(s) designate e applicable Part(s). This l ded, and is subject to all	74 (Public Law 93-438), and Title 10. Code a statements and representations heretofore ma d transfer byproduct, source, and special nucle ed below: to deliver or transfer such material license shall be deemed to contain the conditio applicable rules, regulations, and orders of t w.
			Licensee		1 	
1.		Um	etco Minerals Corporation	. •	3. License Number	SUA-648, Amendment No.41
		P. (	D. Box 151			
2.		Rive	erton, Wyoming 82501		4. Expiration Date	Until terminated [Applicable Amendments: 22]
					5. Docket or Reference No.	40-0299
			ource, and/or ear Material	7. Chemical and Form	l/or Physical	<ol> <li>Maximum Amount that Licensee May Possess at Any One Time Under This License</li> </ol>
			~			
	9. 10.	Auth Nati The	rona County, Wyoming. licensee shall:			Unlimited op leach facilities located in
		Auth Nati	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum	licensee's uran Permit (RWP) fo Officer, result in describe the so	or non-routine work significant exposure cope of work to be p	which may, by the determination to radioactive materials. The berformed, any precautions
		Auth Nati The	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum necessary to reduce exp Provide by September 30 authority and responsibili	licensee's uran Permit (RWP) fo Officer, result in describe the so osure, and the r	or non-routine work significant exposure cope of work to be p necessary supplement a current organization	p leach facilities located in which may, by the determination e to radioactive materials. The
· · · · · ·		Auth Natr The A.	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum necessary to reduce expo Provide by September 30 authority and responsibili will be included in the gro 30 <sup>th</sup> . Perform a weekly docum solution transfer system	licensee's uran Permit (RWP) fo Officer, result in describe the so osure, and the r osure, and the r oundwater corre ented visual ins from the A-9 im e weather condi	or non-routine work significant exposure cope of work to be p necessary suppleme , a current organizat of management, no ective action program spection of the evap poundment. A visu- itions. These period	which may, by the determination to radioactive materials. The berformed, any precautions ental monitoring and sampling. tional chart and details of the oting any changes. This submittal
· · · · · · · · ·		Auth Natr The A. B.	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum necessary to reduce exp Provide by September 30 authority and responsibili will be included in the gro 30 <sup>th</sup> Perform a weekly docum solution transfer system for	licensee's uran Permit (RWP) for Officer, result in describe the so osure, and the r oundwater corre ented visual ins from the A-9 im e weather condi- ie weekly inspec-	or non-routine work y significant exposure cope of work to be p necessary suppleme , a current organizat of management, no ective action program spection of the evap poundment. A visu- itions. These period ction form. ractors, and visitors	which may, by the determination to radioactive materials. The berformed, any precautions ental monitoring and sampling. tional chart and details of the oting any changes. This submittal m review, due each September boration storage ponds and al inspection can be postponed ds of adverse weather conditions
		Auth Natr The A. B.	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum necessary to reduce expo Provide by September 30 authority and responsibilities will be included in the gro 30 <sup>th</sup> . Perform a weekly docum solution transfer system of during periods of adverse will be documented on the Conduct training for site prequirements of 10 CFR	licensee's uran Permit (RWP) fo Officer, result in describe the so osure, and the r obtroit each year, ty of each year, ty of each level oundwater corre ented visual ins from the A-9 im e weather condi is weekly inspec- personnel, cont 19.12 "Instruction I receive radiation	or non-routine work y significant exposure cope of work to be p necessary suppleme , a current organizat of management, no ective action program spection of the evap poundment. A visu- itions. These period ction form. ractors, and visitors on to Workers" on the on and safety training	which may, by the determination to radioactive materials. The berformed, any precautions ental monitoring and sampling. tional chart and details of the oting any changes. This submittal m review, due each September boration storage ponds and al inspection can be postponed ds of adverse weather conditions
		Auth Natr The A. B.	horized place of use: The rona County, Wyoming. licensee shall: Issue a Radiation Work F of the Radiation Safety C RWP shall at a minimum necessary to reduce expo Provide by September 30 authority and responsibili will be included in the gro 30 <sup>th</sup> . Perform a weekly docum solution transfer system f during periods of adverse will be documented on th Conduct training for site requirements of 10 CFR 1. Site personnel shall refresher training or 2. Visitors are required	licensee's uran Permit (RWP) for Officer, result in describe the so osure, and the r osure, and the r oundwater corre ented visual ins from the A-9 im e weather condi is weekly inspect personnel, cont 19.12 "Instruction n an annual bas d to register at t	or non-routine work y significant exposure cope of work to be p necessary suppleme , a current organizat of management, no ective action program spection of the evap poundment. A visua- titions. These period ction form. ractors, and visitors on to Workers" on th on and safety training sis.	which may, by the determination to radioactive materials. The berformed, any precautions ental monitoring and sampling. tional chart and details of the oting any changes. This submittal m review, due each September boration storage ponds and al inspection can be postponed ds of adverse weather conditions

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			License Number SUA-648, Amendment No. 4
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	3	<ol> <li>Contractors having work assignments insid safety training prior to performing their duti</li> </ol>	
		Control access to the site restricted area through personnel during scheduled work hours.	n the use of physical barriers and use of site
	[Applic	cable Amendment: 22, 40]	
11.	DELET	TED by Amendment No. 22.	
12.	DELET	TED by Amendment No. 22.	
13.	site, pr	ensee is hereby exempted from the requirement ovided that all entrances to the site are conspic n 20.1902(e) and with the words, "Any area with	cuously posted in accordance with
•		able Amendment: 35]	
14.		SO shall meet the minimum qualifications specif ated May 1983.	fied in Section 2.4.1 of Regulatory Guide
15.	monito	n procedures shall be established for non-opera ring and instrument calibrations. An up-to-date area to which it applies.	
	the RS	ten procedures shall be maintained on site and O before implementation, and whenever a char radiation protection principles are being applied ented review of existing procedures at least and	nge in procedure is proposed, to ensure tha d. In addition, the RSO shall perform a
	[Applic	able Amendment: 22, 40]	
16		ensee shall conduct an annual ALARA audit. A ined at the site and shall be available for NRC i	
	report t assess	tion, the licensee shall review the environmenta that summarizes environmental monitoring cond ment for individual members of the public. A co eport shall be available at the site for NRC revie	ducted at the site and include the dose opy of the annual environmental monitoring
	[Applic	able Amendments: 22, 35, 40]	
17.	DELET	ED by Amendment No. 40	
18.	DELET	ED by Amendment No. 22.	
19.	DELET	ED by Amendment No. 35.	
20.	Calibra	tion of equipment utilized for radiation surveys. Thent shall be calibrated at least quarterly or prior	shall be performed annually. Air sampling

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	quarterly basis.	
	{Applicable Amendment: No. 40]	
21.	DELETED by Amendment No. 40	
22.	Release of equipment or packages from the restric "Guidelines for Decontamination of Facilities and E or Termination of Licenses for Byproduct Materials	Equipment Prior to Release for Unrestricted Use
	[Applicable Amendment: 22, 40]	
23.	Mill tailings other than samples for research shall n prior approval of the NRC in the form of a license a permanent record of all transfers made under the p	amendment. The licensee shall maintain a
24.	DELETED by Amendment No. 22.	
25.	The licensee is hereby authorized to possess bypr tailings generated by the licensee's uranium recover	
26.	DELETED by Amendment No. 22.	
27.	The results of sampling, analyses, surveys and moreports on audits and inspections, and all meetings and any subsequent reviews, investigations, and c otherwise specified in NRC regulations, all such do at least 5 years.	s and training courses required by this license orrective actions, shall be documented. Unless
28.	The licensee shall immediately notify the NRC by to discovery in the tailings, heap leach or evaporation earthworks that results in a release of radioactive r not corrected, could lead to such a failure. This re- 10 CFR Part 20.	i pond areas of any failure of structures or naterial and/or any unusual conditions which, if
	[Applicable Amendments: 22, 31]	
29.	DELETED by Amendment No. 22.	
30.	The licensee shall decommission the Umetco Gas submittals dated May 2 and June 18, 1990, except The decommissioning shall include disposal, in the building, and water tower), debris, and other waste Notwithstanding any statements to the contrary abo	for onsite disposal of materials and equipment. A-9 pit, of all structures (e.g. maintenance shops s within or originating from the restricted area.
	A. DELETED by Amendment No. 24.	
	B. For windblown tailings cleanup, the licensee s dated December 21, 1990, with the following	shall follow the procedure as submitted by letter additions:
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. ,					•		License Numb	<sup>er</sup> SUA-648	, Amer	ndment	No.	41
.*		•		ALS LICENS ENTARY SHE			Docket or Ref	erence Number <b>40</b> -	0299			
		1)					ional micro-R tailings pile					
		2)					will be collec d for U-natur					r
	·	3)					s must be sub fication result		eport fo	orm to N	IRC,	no
	C.	Add Fill r	litionally, all	debris shall st be placed	be placed	d in a mani	e with the Janer that avoid lift of debris	s nesting a	nd mir	nimizes	void	S.
•		dime requ	ension of 30 lirements st	) feet and a nall be reduce	maximum ced in size	volume of E. Empty d	2, 1990, subi 30 cubic fee rums, tanks, ced in volume	t. Debris no or othe <mark>r</mark> obj	t meet ects w	ting the vith hollo	se	
	[App	licabl	le Amendm	ents: 14, 16	5, 17, 22, 2	24, 31, 32]	. •					
31	and activ grea	recore ity ma ter th	d an enviro ay result in an assesse	nmental eva a significant	luation of adverse see shall p	such activ environmei provide a w	ted by the NF ity. When the ntal impact th ritten evaluat amendment.	e evaluatior at was not	n indica assess	ates that sed or the	it su hat i	ch s
32.	and withi surve	public n five	c potable wa (5) miles (8 the NRC: 1	ater and agr 3 km) of any	icultural w portion o	ells, and n f the restric	use (private r on-residentia cted area bou ferences in la	I structures	and u submit	ses) in t a repo	the a rt of	area this
	[Арр	licabl	le Amendm	ent: 32]								
33.	have surve cove	e an a eyed, er. Th	rcheologica performed nese survey	al and histor prior to thei	ical artifac r disturbai ubmitted t	t survey of nce, includ o the NRC	areas occurs areas of its ing borrow ar and no such proceed.	property, no eas to be u	ot prev sed fo	iously r reclan	natio	n
							uried cultural been grante			ed durin	g th	e :
	[App	licabl	e Amendme	ent No. 40]	· · ·							
34.			ilate sampli Nearest Re		will be tak	en at: Tow	ver 1 - Downv	vind; Tower	4 - Sil	e Back	grou	nd;

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• <b>_</b> •		MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 40-0	299	
<u> </u>			· .		
	Α.	Air particulate samplers will be operated during the potential for airborne radioactivity concentrations of RSO, would be expected to exceed 10 percent of CFR 20, Appendix B, Table 2. Filters will be chang with filters composited and analyzed at a frequence requirements, but not to exceed quarterly during co operations.	lue to site activities, as the effluent concentrati ged out at a maximum y to ensure results will	determined by ons as listed in of every two we meet LLD	10
	·	During site operational periods, air particulate sam will be analyzed for the following radionuclides: U-Lead-210.			
	В.	Radon-222 monitoring will be performed at the air 222 sampling devices will be exchanged at least set		ocations. Rado	n-
	C.	Environmental TLD monitoring will be performed a and will be exchanged quarterly.	t the air particulate mor	nitoring location	5
	D	The licensee shall follow the lower limits of detection Section 5, for the analysis of samples collected in program and LC 35.			,
	[Appl	licable Amendments: 8, 22, 40]	· · ·	•	
35.	The I follov	icensee shall implement a ground-water complianc ving:	e monitoring program c	ontaining the	
	Α.	Sample Lower Wind River wells MW-1, 2, 4, 6, 7, 7 30, 164; DW-3, 4; and Upper Wind River wells EPV 3, 4; PW-1, 2, 3, 4, 5, 6; LA-2, and RW-2 on a sem nickel, selenium; natural uranium, combined radiu gross alpha, field pH, total dissolved solids, field co chloride.	V-1, 2, 3; GW-1, 2, 3, 4 niannual frequency for m-226 and 228, thoriur	l, 5, 6, 7, 8; HW arsenic, berylliu m-230, lead-210	/-2, m, ),
·	Β.	Comply with the following ground-water protection specified):	standards in mg/l (exc	ept where other	wise
		At Lower Wind River point of compliance wells MV recognized in well MW-2: arsenic = 0.05, beryllium natural uranium = $89.0 \text{ pCi/l}$ , combined radium-226 pCi/l, lead-210 = $5.0 \text{ pCi/l}$ , and gross alpha = $146.0$	n = 0.05, nickel = 0.06, 5 and 228 = 31.5 pCi/l,	selenium = 0.0°	1,
		At Upper Wind River point of compliance Wells GW recognized in well LA-2: arsenic = 0.05, beryllium natural uranium = 199 pCi/l, combined radium-226 4.8 pCi/l, lead-210 = 4.6 pCi/l, and gross alpha = 1	= 0.01, nickel = 0.04, s and 228 = 24.9 pCi/l, t	elenium = 0.01,	
·	C.	The corrective action program shall be fully operative event later than December 15, 1990. Additionally, action program review that describes the progress standards, and the semi-annual ground-water more	the licensee shall subr towards attaining grou	nit a corrective ind-water protei	

standards, and the semi-annual ground-water monitoring data by September 1 of each year.		
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· .	a s (!	he licensee s nalysis in mg elenium = 0.0 standard unit norium-230 =	j/l, unless 005, total ( s), natural	otherwis dissolve uraniun	e noted d solids n = 1.0 p	l: arsenic = 10, su pCi/l, con	= 0.01, Ifate = 0 nbined ra	berylliu .1, chlo adium-	um = 0.0 oride = 0 226 and	01, nick 0.1, iror 1 228 =	kel = 0.( n = 0.1,	01, pH =	•
	S	he licensee s Section 5, for rogram and L	the analys										
	[Applic	able Amendr	nents: 6,	8, 11, 1	5, 21, 3 <sup>.</sup>	1, 32, 34,	, 40, 41]						
<sup>°</sup> 36.	extent manag impour	ordance with practicable, p ement practic ndment shall vaporation po	oonding of ces. Prec be accum	<sup>r</sup> water o ipitation	n the A- runoff c	·9 repos liverted a	itory. <sup>.</sup> Th around th	nis sha ne A-	ll be acc 9, and f	complis from the	hed by e A-9	best	
	[Applic	able Amendn	nent: 22,	40]				-					
37.	DELET	ED by Amen	dment No	. 22.					. <b>.</b>				
38.	DELET	ED by Amen	dment No	. 40									•
39.	accord NRC a	sults of all eff ance with 10 nnually. Mon 3, or the equiv	CFR 40, S hitoring dat	Section	40.65, e	xcept co	pies of t	he rep	ort shal	l be ser	nt direc	ily to	the
40.	DELET	ED by Amen	dment No	. 35.									
41.	DELET	ED by Amen	dment No	. 22.				•		• •			
42.	DELET	ED by Amen	dment No	. 35.					· _,	,			
43.	DELET	ED by Amen	dment No	. 40.	,								
44.	DELET	ED by Amen	dment No	. 1.									
45.	DELET	ED by Amen	dment No	. 40.	,								
46.	DELET	ED by Amen	dment No	. 1.					· .				
47.	DELET	ED by Amen	dment No	. 1.			•	•					
48.	DELET	ED by Amen	dment No	. 35.									
		ensee shall n ation pond ar								nbankn	nent cre	est of	any
49.	evapor								*				
		able Amendn	nent: 35]		•								

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· _ •		MATERIAL	SLICENSE	- 	Docket or Reference Number		·
<i></i>	•	SUPPLEMENT		· · ·	200ker of Kerelenee Hum 40	-0299	
	·						
			· •		<u> </u>		<u> </u>
50.	DELET	ED by Amendme	ent No. 35.	· · · · · · · · ·	• • •		
51.	DELET	ED by Amendme	nt No. 35				-
				•			
52.	DELET	ED by Amendme	ent No. 31.				•
53.	DELET	ED by Amendme	ent No. 22.				
54.	heap le April 19 the Pre Octobe	each site) shall be 9, 1979, and May eviously Approved er 6 and October 2	in accordance 13, 1982, lette Reclamation 28, 1997, as m	e with the Decemb ers; except as sup Plan for the Abov odified by submit	s impoundment (incl ber 18, 1980, Reclar erceded by the Desi e-Grade Inactive Tai tals dated May 22, J	nation Plan and tl gn for Enhancem lings Design Rep une 26, July 20,	ne Ient of ort of
		, September 8, S	eptember 15;	and November 23	, 1998, as well as A	pril 9 and June 7,	
	1999.						ł
••• •		lowing modification 2 documents:	ons shall be re	quired in lieu of st	atements made in th	ne above referenc	ed
				at provides for 10 port shall be requ	H:1V embankment s ired.	slopes as present	ed in
·				heap leach areas leets the following	shall be covered wi requirements:	th a minimum of	
	1)	A clay cap of	a minimum of	1 foot thickness.		· · · · · · · · · · · · · · · · · · ·	
	2)	cap. The lice filter materials	nsee shall doo s which demor	cument and submit	hickness to be place t to the NRC the soi bility differential of a s.	Is testing data for	the
•	3)				en and spoils materi ed to be covered by		
	4)	) A minimum o	f 0.5 feet of to	psoil.	· · · ·		•
	5)				n slopes greater tha he following gradation		
		% Passing by	Weight Roc	k Size (inches)			•
							•
*	<b>. ,</b> .		100 50 15	8 - 12 6 - 8 3 - 4			
•		ne licensee shall an.	not rip the top:	soil into the spoils	materials as propos	ed in the reclama	ition
	PI	GII.	• •		· · ·	•	• •
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1. A	· ·				• • • •	· · ·	
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D.	Prior to completion of reclamation, the licensee sha adjacent to the spoils area, lying east of the above and drainage re-established.	
E. •	The schedule and sequence of reclamation activities specified in the licensee's submittals dated May 21 exception that the licensee shall not place the 1 for construction season.	, 1986, and February 17, 1988, with the
	Instrumentation to be monitored shall be as specific Volume II of the report entitled, "Stabilization and F Impoundment." The frequency of reading instrume	Reclamation of an Inactive Tailings
	1) Weekly during construction.	
	2) Weekly for the next month.	
	3) Monthly for next 6 months.	
· .	4) Quarterly thereafter.	. (
· <b>F</b> .	Construction of the reclamation cover shall be as s June 16, 1983, with the following exceptions:	pecified in the licensee's submittal dated
	<ol> <li>The clay cap material shall be compacted to a maximum density (ASTM D698) at a moisture (2) percent higher. If a lower degree of comp samples of the clay material compacted to the document that the permeability would not exc to the NRC for review and approval prior to compact to the NRC for review and the prior to compact to the NRC for review and the prior to compact to the the the prior to compact to the the the the the the the the the the</li></ol>	e content between optimum and two action is desired, permeability tests on e desired density shall be performed to seed 1 foot/year and the results submitted
	2) An Atterberg Limits and laboratory moisture-d composite sample from each clay borrow area construction phase prior to initiation of work. moisture content tests shall be performed for shall be performed prior to placing cover mate tests shall be correlated using the results of the	a to be used during a particular In addition, four field density and four field each layer of clay placed. These tests erial over the clay. The results of the field
	<ol> <li>The cover material shall be compacted to beth Proctor maximum density (ASTM D698). The in two approximately equal lifts. Four field de of soil cover material placed.</li> </ol>	soil cover shall be placed and compacted
	4) A report summarizing construction activities for containing the results of all quality assurance within 60 days of completion of the activities.	
	5) Following completion of the interim stabilization perform documented inspections of the cover these inspections, weather permitting, provide in ponding of surface water due to settlement	The licensee shall, within 30 days of for the repair of any area that could result

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	[Applicable Amendments: 4, 6, 7, 32, 38, 41]	• · ·
55.	The licensee shall maintain an NRC-approved financial 10 CFR 40, Appendix A, Criteria 9 and 10, adequate to by a third party, for decommissioning and decontamina any tailings or waste disposal areas, ground water rest surveillance fee. With submittal of a revised reclamati submit, for NRC review and approval, a proposed revis estimated costs in the new plan exceed the amount cor- surety shall then be revised to include that amount with	cover the estimated costs, if accomplished tion of the mill and mill site, reclamation of pration as warranted and the long-term on/decommissioning plan, the licensee shall ion to the financial surety arrangement if vered in the existing financial surety. The
	Annual updates to the surety amount, required by 10 C be submitted to the NRC at least 3 months prior to the September 13 of each year. If the NRC has not approve coverage 30 days prior to the expiration date of the exist extend the existing surety arrangement for one year. A update, the licensee shall submit supporting documents the basis for the cost estimates with adjustments for inf contingency fee, changes in engineering plans, activities affecting estimated costs for site closure. The licensee related correspondence submitted to the State of Wyor and the final approved surety arrangement. The license the decommissioning and decontamination of the mill a waste disposal areas, ground water restoration, as war surveillance fee to the U.S. General Treasury. The bas approved reclamation/decommissioning plan or NRC-ap considerations used by the NRC in the review of decom shown in the attachment to SUA-648 entitled, "Recomm Reclamation and Stabilization Cost Estimates." License reclamation/decommissioning plans and annual update	anniversary date, which is designated as yed a proposed revision to the surety sting surety arrangement, the licensee shall long with each proposed revision or annual ation showing a breakdown of the costs and lation, maintenance of a 15 percent is performed and any other conditions shall also provide the NRC with all surety ning, a copy of the State's surety review ee shall also ensure that the surety, where the NRC portion of the surety and covers ind mill site, reclamation of the tailings and ranted, and the transfer of the long-term is for the cost estimate is the NRC- oproved revisions to the plan. The minimum missioning and reclamation estimates are nended Outline for Site Specific ee submittals of
	Umetco Gas Hills' currently approved surety instrument Wyoming, shall be continuously maintained in an amou purpose of complying with 10 CFR 40, Appendix A, Crit authorized by both the State and NRC.	nt no less than \$27,036,453 for the
	[Applicable Amendments: 1, 2, 13, 19, 20, 26, 27, 28, 3	33, 36, 39]
56.	Prior to termination of this license, the licensee shall promaterial and land, including any interests therein (other the State of Wyoming) that is used for the disposal of s ensure the long-term stability of such disposal site to the State's option.	than land owned by the United States or uch byproduct material or is essential to
57.	The NRC will not terminate the license until final reclam applicable NRC regulations.	ation has been completed and meets all
58.	The licensee is authorized to receive and dispose of a c in accordance with the submittals dated September 10 September 24, 1988. Wastes that may be disposed of e.g., evaporation pond materials, licensed in situ facilitie	and 16, 1987; and August 29 and in the A-9 pit may be from onsite sources,

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			00111					· · ·				
						NRC app he license	roves the ch e shall:	aracterist	ics and disp	osal pr	ocedures f	or
	A.		or to plac Proctor n				erify that the	e interim c	over is com	pacted	to 95 perc	ent
	В.		ace the fi hes.	nal cover	r clay an	d filter laye	ers in compa	acted lift th	nicknesses	not exc	eeding 6	
	C.	Pla	ice the s	ooil layer	in a loo	se-lift thick	ness not to	exceed 1	8 inches.			
	D.					hickness i er is largei	s greater tha	an 1.5 time	es the uppe	r-limit [	D <sub>50</sub> size, or	the
	<b>E</b>	Dec dura resu Mini sour with of U Dec befo	cember 6 ability ra ults from imum rip indness, n the Fina Jranium I commissi	6, 1988, a ting of 65 represer rap spec and spec al Staff T Vill Tailir oning, A	are met. 5 percen ntative s cification cific grav rechnica ngs Sites ugust 19	The Dece t or better, amples mu s and dura vity, and th I Position, s, Division 290. The c	adation requ mber 6, 19 Minimum r ust be subm bility tests s e durability Design of E of Low-Leve turability rat third and tw	88, gradat iprap spec itted for N shall includ rating sha rosion Pro el Waste N ing must b	ions are de cifications a RC review : le L.A. abra Il be determ btection Cov Managemen be determin	pender nd dura and ap ision, a nined ir vers for it and ed to b	nt on a ability test proval. bsorption, accordan Stabilizati e 65 or gre	ce on
	F.	subi licer	mittal da	ted May ovember	16, 198	B. The on	erial shall be e exception I. This tank	shall be th	ne steel tan	k desci	ribed in the	•
• • •	G.	loca requ	ation, and uired rad	l elevatio on cover	ons of th thickne	e waste sł ss evaluat	wastes and hall be mapp ed. A repor I 3 months p	bed and th t containir	e potential ng this infor	impact mation	on the shall be	
	[App	licabl	le Amen	dments:	1, 5, 9,	10, 18, 22	, 25]			· · ·		
59.	grou	nd-w	ater corr	ective ac	tion plai	n, as autho	in accordar prized by Lic schedules	ense Con				and
	A.	Und the I	lerstandi licensee	ng with th shall cor	he Envir nplete re	onmental leclamation	t completior Protection A to control r easibility, in	gency (56 adon emis	FR 55432 sions as ex	, Octob (peditic	er 25, 199 ously as	1), .
		(1)		ning cont ber 31, 2		d material	retrieval an	d placeme	ent in the A-	9 impo	oundment -	
		(2)	Placen erosior		e interin	n cover to	decrease th	e potentia	l for tailings	s dispei	rsal and	
				۰.								

	ORM 37	'4A	U.S. NUCLEAR REGULATORY COMMISSION	PAGE 11 12 PAGE
(7-94 <b>)</b>				License Number SUA-648, Amendment No. 41
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<u>.</u>			MATERIALS LICENSE SUPPLEMENTARY SHEET	Docket or Reference Number 40-0299
	·		For the Inactive Impoundment - complete. For the A-9 Impoundment - complete. For the Heap Leach Impoundment - complete	е.
		(3)	Placement of final radon barrier designed an average flux of no more than 20 pCi/m <sup>2</sup> /s about the second se	
		•	For the Inactive Impoundment - December 3 For the A-9 Impoundment - December 31, 20 For the Heap Leach Impoundment - Decemb	03.
	В.	prot	lamation, to ensure required longevity of the co ection, shall be completed as expeditiously as the following target dates for completion:	
		(1)	Placement of erosion protection as part of re Appendix A of 10 CFR Part 40:	clamation to comply with Criterion 6 of
			For the Inactive Impoundment - December 3 For the A-9 Impoundment - December 31, 20 For the Heap Leach Impoundment - Decemb	04.
	·	(2)	Projected completion of ground-water correct specified in the ground-water corrective action	
	С.	dem litiga	license amendment request to revise the com constrate that compliance was not technologica ation which compels delay to reclamation, or ot usee).	ally feasible (including inclement weather,
·	D.	adde ecor incle	license amendment request to change the tar- ed risk to the public health and safety and the nomic costs involved and other factors justifyin ement weather, regulatory delays, litigation, an usee.	environment, with due consideration to the g the request such as delays caused by
		[App	blicable Amendments: 29, 30, 31, 37, 38, 40]	
60			on to NRC under 10 CFR 20.2202, 10 CFR 40. as follows:	60, and specific license conditions should
	Lov	v-Leve	written notice to NRC under this license should I Waste Branch, Division of Waste Manageme ds, U.S. Nuclear Regulatory Commission, Was	nt, Office of Nuclear Material Safety and
	[Ap	plicabl	e Amendments: 32]	
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	÷ į	License Number SUA-648, Amendment No. 41
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•	· · · · · · · · · · · · · · · · · · ·	
61. The final	reclamation of the heap leach impoundment	t shall be in accordance with the reclamation

August 19, and October 15, 1997, and January 15, and February 11 and 13, 1998.

[Applicable Amendment: 38]

## FOR THE NUCLEAR REGULATORY COMMISSION

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Dated:

John J. Surmeier, Chief Uranium Recovery and Low-Level Waste Branch Division of Waste Management Office of Nuclear Material Safety and Safeguards