NRC FORM 374 U.S. NUCLEAR REGULATORY COMMISSION				
MATERIALS LICENSE				
Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and the applicable parts of Title 10, Code of Federal Regulations, Chapter I, Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 51, 70, and 71, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.				
Licensee				
1. Western Nuclear, Inc.	3. License Number SUA-56, Amendment 97			
2. 2801 Youngfield Street, Suite 340	4. Expiration Date Untl terminated (Applicable Amendments: 31, 32, 41)			
Golden, Colorado 80401	5. Docket No. 40-1162			
[Applicable Amendment: 34, 52, 92, 96]	Reference No.			
 Byproduct Source, and/or Special Nuclear Material Natural Uranium Any 	Physical 8. Maximum amount that Licensee May Possess at Any One Time Under This License Unlimited			
generated by the licensee's past milling operation	product material in the form of uranium waste tailings as authorized under SUA-56.			
[Applicable Amendments: 32, 46, 58]				
10. Authorized Places of Use: The licensee's uranium milling facilities located approximately two miles north of Jeffrey City, Wyoming.				
[Applicable Amendments 46, 50, 60, 82]				
11. DELETED by Amendment No. 49.				
12. DELETED by Amendment No. 49.				
13. DELETED by Amendment No. 49.				
14. DELETED by Amendment No. 49.				
15. DELETED by Amendment No. 49.				
16. DELETED by Amendment No. 54.				
17. DELETED by Amendment No. 33.				
18. DELETED by Amendment No. 49.				
19. DELETED by Amendment No. 56.				

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20.	DELETED	by Amendment No. 49.	
21.	DELETED	by Amendment No. 56.	
22.	DELETED	by Amendment No. 54.	
23.	DELETED	by Amendment No. 33.	GIL.
24.	titled "Curr sample thr and S-7 [S [excluding	ent Environmental Monitoring Program," date ee surface water locations, S-5 [Sweetwater B weetwater Above Mill], at the same sampling static water level] as required under LC No. N	Below Mill], S-6 [Sweetwater Across from Mill],
	[Applicable	e Amendments: 26, 28, 30, 44, 49, 56A, 84, 89	9]
25.	1981. In a annual auc Monitoring	ddition, the licensee shall be required to docu	
	[Applicable	e Amendments: 49, 63]	
26.	DELETED	by Amendment No. 49.	Den S
27.	DELETED	by Amendment No. 92.	
28.	DELETED	by Amendment No. 87.	
29.	Appendix A for decomm waste disp 3 months of for NRC re in the newl	A, Criteria 9 and 10, ad <mark>equate to cover the estimissioning and decontamination of the mill an osal areas, ground-water restoration as warrant of NRC approval of a revised reclamation/dec</mark>	anted and the long-term surveillance fee. Within commissioning plan, the licensee shall submit, e financial surety arrangement if estimated costs in the existing financial surety. The revised

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	Annual updates to the surety amount, required by 10 CF submitted to the NRC at least 3 months prior to the anni December 30 of each year. If the NRC has not approve 30 days prior to the expiration date of the existing surety existing surety arrangement for 1 year. Along with each licensee shall submit supporting documentation showing cost estimates with adjustments for inflation, maintenand changes in engineering plans, activities performed and a for site closure. The licensee shall also provide the NRC submitted to the State, a copy of the State's surety revie The licensee shall also ensure that the surety, where au identifies the NRC portion of the surety. The basis for the reclamation/decommissioning plan or NRC approved revision guidance entitled "Recommended Outline for Site Spec Estimates" outlines the minimum considerations used by estimates. Reclamation/decommissioning plans and an Western Nuclear's currently approved surety, a Parent C Corporation on April 8, 2004, committing Phelps Dodge actions in the event the licensee fails to fulfill its decommission shall be continuously maintained in accordance with the an amount no less than \$12,279,018 for the purpose of Criterion 9 and 10, until a replacement is authorized by the continuously maintained in accordance with the an amount no less than \$12,279,018 for the purpose of the criterion 9 and 10, until a replacement is authorized by the continuously maintained in accordance with the an amount no less than \$12,279,018 for the purpose of the criterion 9 and 10, until a replacement is authorized by the continuously maintained in accordance with the an amount no less than \$12,279,018 for the purpose of the criterion 9 and 10, until a replacement is authorized by the continuously maintained in accordance with the an amount no less than \$12,279,018 for the purpose of the criterion 9 and 10, until a replacement is authorized by the continuously maintained in accordance with the continuously maintained in accordance with the continuously maintained in accordanc	versary date which is designated as d a proposed revision to the surety coverage arrangement, the licensee shall extend the proposed revision or annual update, the a breakdown of the costs and the basis for the ce of a minimum 15 percent contingency fee, any other conditions affecting estimated costs C with all surety related correspondence w, and the final approved surety arrangement. thorized to be held by the State, expressly be cost estimate is the NRC approved visions to the plan. The previously provided ific Reclamation and Stabilization Cost the NRC in the review of site closure cost nual updates should follow this outline.
-	[Applicable Amendments: 24, 45, 53, 64, 66, 70, 72, 76	, 85P, 93, 94, 95, 97]
30. I	DELETED by Amendment No. 69.	
31. I	DELETED by Amendment No. 46.	THE OT
32. /	A. DELETED by Amendment No. 56.	
I	B. DELETED by Amendment No. 50.	
33. I	DELETED By Amendment No. 88	

34. In order to ensure that no disturbance of cultural resources occurs in the future, the licensee shall have an archeological and historical artifact survey of areas of its property, not previously surveyed, performed prior to their disturbance, including borrow areas to be used for reclamation cover. These surveys must be submitted to the NRC and no such disturbance shall occur until the licensee has received authorization from the NRC to proceed.

The licensee is authorized to excavate material from the proposed reclamation borrow areas as designated in the licensee's approved reclamation plan, provided that protection of the cultural resources is managed in accordance with statements and representation contained in the licensee's letter dated March 30, 1992.

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	[Applicable	e Amendment: 71]	
35.	record an result in a that evaluated	gaging in any project-related activity not evaluation of such activity. Whe significant adverse environmental impact that ated in the environmental statement, the licensed obtain prior approval of the NRC for the activity	was not evaluated, or an impact greater than see shall provide a written evaluation of such
36.	DELETED	by Amendment No. 49.	A X
37.	. The licensee is hereby exempted from the requirements of Section 20.203(e)(2) of 10 CFR Part 20, provided that all entrances to the restricted area are conspicuously posted in accordance with Section 20.203(e)(2) and with words, "Any area within this facility may contain radioactive material."		
	[Applicable	e Amendment: 49]	
38.	approval o	s other than samples for research shall not be f the NRC obtained through application for an permanent record of all transfers made unde	
39.	9. DELETED by Amendment No. 50.		Bell E
40.	DELETED	by Amendment No. 49.	
41.	provided g	uidance entitled, "Guidelines for Decontamina or Unrestricted Use or Termination of Licenses	
42.	for content		nual review of the radiation protection program view report shall be retained at the site and shall
	[Applicable	e Amendments: 49, 87]	
43.	inspection investigation	s of sampling, analysis surveys and monitoring s, and the additional conditions to this license ons, and corrective actions, shall be documen s, all such documentation shall be maintained	e, as well as any subsequent reviews, ted. Unless otherwise specified in NRC
	[Applicable	e Amendment: 49, 87]	
44.	Written pro	ocedures shall be established for site reclama	tion and monitoring activities to include

personnel and environmental monitoring, and survey instrument calibrations. These procedures shall be reviewed and approved in writing by the Radiation Safety Officer (RSO) before implementation and

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	being appl	a change in procedure is proposed to ensure ied. In addition, the RSO shall perform a doc ally. An up-to-date copy of each written proce	umented review of all existing site procedures at
	[Applicable	e Amendments: 49, 56, 87]	
45.	DELETED	by Amendment No. 49.	GULAX
46.	DELETED	by Amendment No. 87.	
47.	DELETED	by Amendment No. 49.	10
48.	decommis Guide 8.3		ions as specified in Section 2.4.1 of Regulatory upational Radiation Exposure at Uranium Mills
	[Applicable	e Amendments: 49, 50, 56, 87]	Children C
49.	DELETED	by Amendment No. 49.	
50.	DELETED	by Amendment No. 49.	Bellin B
51.	DELETED	by Amendment No. 49.	
52.	DELETED	by Amendment No. 49.	Dall S
53.		detection instruments shall be calibrated after irer or at intervals not to exceed six months, w	
54.	DELETED	by Amendment No. 49.	
55.	DELETED	by Amendment No. 49.	
56.	DELETED	by Amendment No. 49.	
57.	DELETED	by Amendment No. 33.	
58.	DELETED	by Amendment No. 37.	
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			1	
59.	DELE	TED by Amendment No. 49.		
60.	DELE	TED by Amendment No. 49.		
61.	DELE	TED by Amendment No. 49.		
62.	DELE	TED by Amendment No. 49.	GULA	
63.	DELE	TED by Amendment No. 56.		
64.	guard	censee shall control grazing to the N and NNE of t s at each end of the rock outcrops along the north ap A, submitted by letter dated August 18, 1978 fro	side of the restricted area fence, as indicated	
65.	DELE	TED by Amendment No. 49.	2 1	
66.	DELE	TED by Amendment No. 33.	A33 0	
67.	DELE	TED by Amendment No. 33.		
68.	DELE	TED by Amendment No. 46.		
69.	DELE	TED by Amendment No. 46.	SANDA Z	
70.	DELE	TED by Amendment No. 49.	6	
71.	DELE	TED by Amendment No. 49.	B-15 G	
72.	DELE	TED by Amendment No. 49.		
73.	DELE	TED by Amendment No. 54.	4	
74.	The lie	censee shall implement a compliance monitoring p	program containing the following:	
	A.	Sample Southwest Valley Wells 1, B, 21, 24, 25, 19, 23, and 27, on a semiannual frequency for chberyllium, cadmium, chromium, lead, nickel, radiuranium.	hloride, nitrate, sulfate, pH, TDS, water level,	
	В.	Comply with the following ground-water protectio and 21, with background being recognized in We	• •	

beryllium = 0.05 mg/l, cadmium = 0.01 mg/l, chromium = 0.05 mg/l, lead = 0.05 mg/l, nickel = 0.05 mg/l, radium-226 and 228 = 5 pCi/l, selenium = 0.013 mg/l, thorium-230 = 0.95 pCi/l, and uranium = 0.16 mg/l.

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	С	Implement a corrective action plan program that a million gallons of contaminated water based upor program shall be constructed as described in the submittals as modified by the licensee's April 3, 1 April 18, 1997, May 20, 1998, and July 2, 1999, s be to return the concentrations of beryllium, cadn thorium-230, and uranium to the concentration lin Corrective Action Program Plan, which includes a received by NRC by October 31, 1999.	n minimizing recharge to the tailings. This August 31, and September 28, 1989, 1990, January 13, 1992, September 23, 1993, submittals. The objective of the program shall nium, nickel, radium-226 and 228, selenium, nits specified in Subsection 74B above. A final
	[Applic	cable Amendments: 25, 27, 36, 39, 40, 44, 48, 51,	56, 58, 61, 62, 67, 69A, 79, 89]
D. The licensee shall submit by December 15 of each year, a review of the corrective a program and its effect on the aquifer.			ch year, a review of the corrective action
	[Applicable Amendments: 25, 27, 36, 39, 40, 44, 48, 51, 56, 58, 61, 62, 67, 69A, 79]		
	E. The licensee shall reclaim the groundwater corrective action evaporation ponds in accordant with their February 7, 1994, report titled, "Western Nuclear, Inc. Split Rock Mill, Addendum (February 7, 1994) to Revision 5 to the June 30, 1987, Uranium Tailings Reclamation Plan," the following exception:		
		Shale and 12 inches of Soil Borrow. This des	m A to Revision 5) consists of 6 inches of Cody sign is considered acceptable for estimating the onds are dismantled, the Licensee shall confirm placing the radon cover on the ponds. all be completed by the licensee within three
		cable Amendment: 92]	4
75.	DELETED by Amendment No. 92.		

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76.	 76. Notification to NRC under 10 CFR 20.2202, 10 CFR 40.60, and specific license conditions sho made as follows: 				
	Branch, Di		/ and Safeguards, C	be given to: Chief, Fuel Cycle Facilities Office of Nuclear Material Safety and hington, DC 20555.	
	[Applicable	Amendment: 73, 95]		GUL	
				742	
		4		AR REGULATORY COMMISSION	
		S	/RA/		
	5/3/	/04	,		
Date:		A E	Gary S. Janosko,	Chief	
		H E	Fuel Cycle Facilitie Division of Fuel Cy	es Branch	
		S S	and Safeguards Office of Nuclear M	Material	
		9. 3 Lu	Safety and Safeg	juards	
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