

### Energy Information Administration U.S. Department of Energy Uranium Industry Annual Survey Survey Year 2000 Schedule A

 Form Approved
 11/20/2000

 OMB Number
 1905-0160

 Expiration Date:
 11/30/2003

Data on this mandatory survey are collected under authority of Section 13(b) Federal Energy Administration Act of 1974 (Public Law 93-275), and section 1015 of the Energy Policy Act of 1992 (Public Law 102-486). Provisions regarding sanctions are described in Part IV, page ii of the instructions. Provisions regarding the confidentiality of information submitted in response to this survey are set forth on page xiii of the instructions for Schedules A and B.

The public reporting burden for both Schedules A and B is estimated to average 24.0 hours per response, including the time of reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Please send your comments about this burden estimate, suggestions for reducing this burden, or any other aspect of this collection of information to: the Energy Information Administration, Statistics and Methods Group EI-70, 1000 Independence Avenue SW, Washington, DC 20585; and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

# **RESPONDENT IDENTIFICATION**

Company Name:		
Address:		Respondent ID (For EIA Use Only)
City:	State:Zip Code:	
Parent Company:		

### APPLICABILITY OF SCHEDULE A

Check one box on each line under column (b) or (c). If Part II and Part III are applicable, give in column (d) the total number of properties and mills or plants reported.

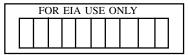
EIA-858 Schedule and Part (a)	Applies to This Company (b)	Does Not Apply to This Company (c)	Number Submitted (d)
A, Part I: Exploration and Development			
A, Part II: Reserves and Mine Production by Property			
A, Part III: Uranium Milling and Processing			
A, Part IV: Employment			

CONTACT PERSON	
Schedule A:	
Name (Please print):	Title:
Signature:	Date:
Phone:()	Fax: ()
E-Mail Address:@	

Title 18 U.S.C. 1001 makes it a crime for any person knowingly and willingly to make to any Agency or Department of the United States any false, fictitious or fraudulent statement or misrepresentation as to any matter within its jurisdiction.



**Energy Information Administration** U.S. Department of Energy Uranium Industry Annual Survey Survey Year 2000 **Part I: Exploration and Development** 



D No

<b>SCHEDULE A:</b>	URANIUM	RAW	MATERIAL	ACTIVITIES
SCHEDULE A.	UNANUWI	INAW	MAILNIAL	ACTIVITES

ITEM 1: JOINT VENTURE ARRANGEMENTS	
Was your company the controlling partner in one or more joint verify "Yes", list names of joint ventures. If "No", go to Item 2.	entures in the Survey Year? 🗌 Yes
1	4
2	5
3	6

# ITEM 2: EXPLORATION LAND STATUS AND COST FOR THE SURVEY YEAR

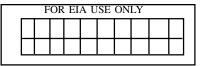
Acres
\$
Acres
Acres

## ITEM 3: EXPLORATION AND DEVELOPMENT DRILLING BY STATE AND TOTAL COST Survey Year Drilling: Include drilling done for assessment under exploration drilling.

		Exploration Drilling	g	Development Drilling			
States	Holes	Feet	Cost Holes		Feet	Cost	
Arizona							
Colorado							
Nebraska							
New Mexico							
Texas							
Utah							
Washington							
Wyoming							
Other (Specify):	-						
Totals:		9	\$			\$	
Following Year:						Projected Total Cost	
Projected Estimates						\$	
	OPMENT EX	PENDITURES		PENDITURES FOREIGN COU		ΓΙΟΝ	
(Include	e assessment ac	uviues)			Total Ex	penditures	
All other expendit	ures: \$		Cou	ntry	Survey Year	Following Year	
TEM 5: FOREIO	<b>GN CONTRII</b>	BUTIONS TO			\$	\$	
EXPLOR	RATION EXP	ENDITURES			\$	\$	
Contribution by fore	eign-owned co	mpanies:			\$	\$	
		%			\$	\$	



Energy Information Administration U.S. Department of Energy Uranium Industry Annual Survey Survey Year 2000 A: URANIUM RAW MATERIAL Peserves and Mine Production by



# Survey Year 2000 SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES Part II: Reserves and Mine Production by Property

Identificati Property	on: Name:					State:			
	ame(s) Used:				Count				
	Section(s)	Townsh	hip N. or S.	Range E. or	W. Lati	tude N.	Longitu	ongitude W.	
					(	) 'N	0	٠W	
					(	) 'N	0	ʻW	
					(	) 'N	0	ʻW	
<b>Ownership:</b>		·		Status: (Chec					
Name of Firm     Percent Ownership				<ul> <li>Only assessment work being done</li> <li>Exploration continuing</li> <li>Exploration completed</li> <li>Development drilling complete</li> <li>Under development for production</li> <li>Mine in production</li> </ul>					
	o longer controls this property which it was transferred:	, identify		Mined out Mine closed Mine closed	l temporarily permanentl	$\frac{1}{y} \frac{1}{MM}$	/ /YR		
Name:				Studies Comp			t apply):		
Address:				Preliminary		timate			
City:	State:	Zip:_		<ul> <li>Final reserv</li> <li>Preliminary</li> <li>Final feasib</li> <li>Mining plan</li> </ul>	ility study	tudy			
ITEM 8: PRO	OPERTY URANIUM RES	SERVES E	STIMATES						
Mining Method	Reserves Component			ntities by Cost			5 0		
methou	Ore (1000 tons)	\$15	\$30	\$50	\$100	\$	\$		
Openpit	U <sub>3</sub> O <sub>8</sub> (1000 lbs)								
	$V_2O_5$ (1000 lbs)								
	Ore (1000 tons)						1		

# In Situ Leach Ore (Grade % or 1000 tons) Image: Constraint of the second second

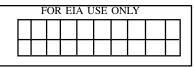
U<sub>3</sub>O<sub>8</sub> (1000 lbs)

 $V_{2}O_{5}$  (1000 lbs)

Underground

Mining	<b>Operating Cost (\$ per Ton of Ore)</b>					
Method	Direct Mining	Haulage	Royalty	Direct Milling	Indirect Costs	Other <sup>1</sup>
Openpit	\$	<b>\$</b>	\$	\$	\$	\$
Underground	\$	\$	\$	\$	\$	\$
	\$/Lb U <sub>3</sub> C	0 <sub>8</sub> Recovered				
In Situ Leach	\$		<sup>1</sup> Define	Other Cos	ts:	
Other (Specify):	\$					





Property Name:\_

## ITEM 10: CAPITAL COSTS BY MINING METHOD

### Capital Costs for Development, Construction and Equipment

Capital Costs			
Mine or ISL Field	Mill or Plant		
\$	\$		
\$	\$		
\$	\$		
\$	\$		
	-		

### ITEM 11: DRILLING AND RESERVES ESTIMATION PARAMETERS

Number of holes drilled, including barren holes, in the reserves outline:

During the Survey Year:\_\_\_\_\_\_ Holes. Prior to the Survey Year:\_\_\_\_\_ Holes. Openpit Underground In Situ Leach **Reserves Estimate Parameters** Break-even cutoff grade (Percent  $U_2O_2$ ) Grade x thickness (Feet Percent) Cutoff ore thickness Minmum mining height (Feet) Average area of influence per ore hole (Sq Ft) Tonnage factor (Cubic Feet per Ton) Mine Recovery factor (Percent) Mill or plant recovery (Percent) Average depth to ore (Feet) Average ore thickness (Feet) Average ore grade (Percent  $U_2O_2$ )

# ITEM 12: MINE PRODUCTION AND SHIPMENTS OF ORE OR PREGNANT SOLUTIONS

### Uranium and Vanadium Mined

Mining Method	Ore (Tons)	Contained U <sub>3</sub> O <sub>8</sub> (Pounds)	Contained $V_2O_5$ (Pounds)
Openpit			
Underground			
In Situ Leach	(Grade):		
Other <sup>1</sup>	(Tons or Grade):		

<sup>1</sup>Other, please specify:\_\_\_

### Shipment of Ore or Pregnant Solutions

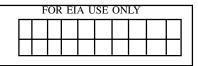
Shipment Destination		Ore	Contained	Contained	
Facility	Facility Name	(Tons)	U <sub>3</sub> O <sub>8</sub> (Pounds)	V <sub>2</sub> O <sub>5</sub> (Pounds)	
To Stockpile					
To Mill or Plant					
To Others					



as of December 31st

Concentrate Shipped (Lbs U<sub>3</sub>O<sub>8</sub>)

## Energy Information Administration U.S. Department of Energy Uranium Industry Annual Survey Survey Year 2000



Other (Specify):

SCHI				VIATERIAL AC g and Processing		5			
ITEM 13: MILL OR PLANT INFORMATION Name and Location: Facility Name : Other Name(s) Used:						Type of Faciltiy:         Conventional mill         Nonconventional plant			
Other Name(s) Used.			county	·	- Othe	er (Spe	cify):		
Section(s)		Township N. or	r <b>S.</b>	Range E. or W.	Latitude N.		Longitude	Longitude W.	
					0	'N	0	'W	
					0	'N	0	'W	
					0	'N	0	'W	
Ownership:			Cor	trollership:		1			
Name of Firm		Percent Ownership	rcent If your firm no longer controls this facility, identify						
				lress:					
			<pre>- City:State:Zip:</pre>						
ITEM 14: RATED CAPACITY			Indicate the nature of the arrangement between your firm and the firm named above (mark one):						
Conventional mill (Tons ore per day) <sup>1</sup>									
Nonconventional plant (Lbs $U_3O_8$ per yr) <sup>1</sup>			Title transfer     Contract     Lease        Other arrangement (Specify):						
<sup>1</sup> See provisions regarding confider of information in the instructions.	ntiality		.  L <b>'</b> 						
ITEM 15: OPERATING STAT		C SUDVEV V	EVD						
Number of days operated in Surv Was facility operated throughout Was facility operating at end of S If facility did not operate durin	vey Year. N Survey Year urvey Year	Nominal: r?	Da	•	-		MM/YY		
Closed temporarily (Restart pl			Hold	ling (standby) cos	t per vear		\$		
Closed indefinitely (Following Year restart not plann									
Closed permanently (Will not be restarted)			One-time cost to reopen \$			\$			
Reclaimed (Restoration in progress or completed     Other status (Please specify):			Months required to return plant to full production, if decided on December 31st of the Survey Year mont			months			
<sup>1</sup> See provisions on confidentiality		on in the instruc		2					
ITEM 16: URANIUM CONCE	ENTRATE						er Mill Feed:		
Category		Conve	ention	al Nonconve	ntional		eck all source Aine water	:S)	
Ore Fed-to-Process	Tons Ore						Heap leach		
Other Mill Feed <sup>1</sup> (Lbs $U_3O_8$ )	Lbs U <sub>3</sub> O <sub>8</sub>						Failings water		
In-Process Inventories (Lbs $U_3O_8$ )	Prior Year						Other (Specify		
as of December 31st	Survey Year	r					ouler (opeen.	<i>y</i> ).	
Possible Production: 100% Recovery	$(\text{Lbs } \text{U}_3\text{O}_8)$					<sup>2</sup> Tot	al Plant Feed	:	
Total Plant Feed <sup>2</sup> (Lbs $U_3O_8$ )							eck all source		
Concentration Production (Lbs $U_3O_8$ )							<i>n situ</i> Leach		
Tailings and Unaccountable (Lbs U <sub>3</sub> O <sub>8</sub> ) Recovery Percent							Reclamation		
Concentrate Inventories (Lbs $U_3O_9$ ) Prior Year							Byproduct rec	covery	

Survey Year



### Energy Information Administration U.S. Department of Energy Uranium Industry Annual Survey Survey Year 2000 SCHEDULE A: URANIUM RAW MATERIAL ACTIVITIES Part IV: Employment

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	Employment (Person-Years): Include staff and contract personnel.								
States	Exploration	Mining	Milling	Processing	Reclamation				
Arizona									
Colorado									
Florida									
Nebraska									
New Mexico									
Texas									
Utah									
Washington									
Wyoming									
Other (Specify):									
Totals:									

COMMENTS FOR SCHEDULE A

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