

## About the UIC ICR Spreadsheet

**Basic rule: update the inventory and labor rates pages, and much of the remaining pages will be automatically updated.**

### Summary of worksheets in this file

Most of the updates will be to the yellow tabs: inventory, labor rates, and class-specific assumptions. **Assumptions about inventory** tab (below the table); all are automated.

The summary tabs (purple) are the "analysis" of the numbers. These contain the ICR tables and explain what changed from the previous year. The operator and state burden/cost tables (blue tabs) are the detailed tables for Appendix A (from old operators file); click on the links for activities here.

The ICRAS forms tab (green) has information to complete OEI's ICR submission spreadsheet (new in 2018); ICRAS calculator for prior ICR numbers. [This sheet was used to populate the ICRAS/ROCIS site (which is no longer used, but retained for reference).

Fed tables (green tab) aren't printed in the ICR anymore; these do feed the summary tables. **DO NOT EDIT** unless there are changes.

### Burden estimates

The burden estimates for individual activities are based on consultations. They usually do not change, unless activities are added or removed.

### Labor costs

Update the colored cells in the labor rates page.

Operator labor costs are based on BLS data, updated with each ICR (Different labor rates apply to Class 1/2/3, 4/5, and 6).

The labor rates sheet shows the industries used as inputs, and calculations of average values for these industry types.

Contractor rates are here too **(They are non-labor costs, per the ICR Handbook, and are inflated per CPI).**

See the yellow box (cell O1) on the labor rates page.

State and Federal labor rate is GS-9, Step 10 on current year's Federal pay schedule; multiplied by 1.6 to load.

### Non-labor costs

These are based on consultations.

These are **inflated from 1995 dollars to current year dollars.** (From BLS web site CPI calculator.)

For Class VI, these are inflated from \$2008 (the Class VI ICR). Need to update the inflation factor between \$2008 and the current year.

The inflation factor (INFL) from CPI calculator is cell F3 on the labor rates sheet.

Contractor costs are incl. as non-labor costs, and inflated per CPI. These are based on consultations about what work is done, and multiplied by contractor labor rate.

### Number of respondents/responses

**UPDATING THE INVENTORY PAGE IS THE MOST CRUCIAL STEP!!!**

Inventory numbers drive many of the values for these; inventory is based on the most recent OIC online database and is updated on the inventory page.

The C1Assumptions, etc. pages reference/link to these values, and are inputs to the Class-specific burden and cost sheets. The values of many of the assumptions are dependent on the inventory sheet.

Assumptions about the numbers of permit applications, well closures, etc. reflect year-to-year inventory changes or well status.

Class IV and Class V respondents also drive from measures data about progress on surveying and addressing high priority issues.

Update assumptions about Class VI permit applications and wells operating separately-see Class VI assumptions page.

## **Burden and cost sheets**

The activities listed are per the CFR.

Legal, managerial, technical and clerical unit burdens for various activities are based on consultations.

Unit burdens are then multiplied by the respective labor rates (in labor rates sheet), and summed for a unit labor cost.

Respondents and responses are based on consultations and drive heavily off of assumptions sheets.

## **Class-specific assumptions**

These are on the yellow tabs and the state oversight tab.

They generally will not change, unless new information becomes available during consultations.

The yellow cells on these pages will change automatically as the inventory changes.

A **few peach (in 2018)/green in 2021 cells** on the assumptions sheets need to be checked/manually updated for each

## **Calculating change in burden**

The "Resp summary," "Change," "By activity," and "ICRAS" sheets calculate change from the approved ICR.

**numbers.\*\*\***

See **aqua shaded cells** in Resp summary, Change, By activity, Inventory, Labor rates, ICRAS calcs, C1, C2, C3 assumption  
**based on inventory differences so after this step, change will not be zero**

Some of the class specific pages have scratch calculations under the tables. Most are specific to the current ICR.

For ICRAS/the OEI ICR submission spreadsheet, update the previous year's numbers in the shaded cells; everything else is automated

to track completion of this step.

State	CI 1 status	CLASS 1 HW	CLASS 1 OTHER	C1Haz in prim	Class I NH In prim	CI 2 status	CLASS 2 WELLS	C2 in prim	C2 in DI
<b>Total</b>		<b>138</b>	<b>747</b>	<b>126</b>	<b>607</b>		<b>159,269</b>	<b>155,791</b>	<b>3,478</b>
Connecticut	Prim			0	0	Prim		0	
Maine	Prim			0	0	Prim		0	
Massachusetts	Prim			0	0	Prim		0	
New Hampshire	Prim			0	0	Prim		0	
Rhode Island	Prim			0	0	Prim		0	
Vermont	Prim			0	0	Prim		0	
New Jersey	Prim	0	0	0	0	Prim		0	
New York	DI			0	0	DI	326	0	
Puerto Rico	Prim			0	0	Prim		0	
Virgin Islands	DI			0	0	DI		0	
DC	DI	0	0	0	0	DI		0	
Delaware	Prim			0	0	Prim		0	
Maryland	Prim			0	0	Prim		0	
Pennsylvania	DI	0	0	0	0	DI	1,645	0	
Virginia	DI	0	0	0	0	DI	13	0	
West Virginia	Prim	0	0	0	0	Prim	715	715	
Alabama	Prim	0	0	0	0	Prim	251	251	
Florida	Prim	0	305	0	305	DI	70	0	
Georgia	Prim	0	0	0	0	Prim		0	
Kentucky	DI		1	0	0	Prim	3,128	3,128	
Mississippi	Prim	5	9	5	9	Prim	1,321	1,321	
North Carolina	Prim			0	0	Prim		0	
South Carolina	Prim	0	0	0	0	Prim		0	
Tennessee	Prim	0	0	0	0	Prim	34	34	
Illinois	Prim	2	5	2	5	Prim	7,958	7,958	
Indiana	DI	4	13	0	0	Prim	1,161	1,161	
Michigan	DI	7	35	0	0	DI	1,420	0	
Minnesota	DI			0	0	DI		0	
Ohio	Prim	12	5	12	5	Prim	2,336	2,336	
Wisconsin	Prim			0	0	Prim		0	
Arkansas	Prim	4	7	4	7	Prim	1,023	1,023	
Louisiana	Prim	19	15	19	15	Prim	3,531	3,531	
New Mexico	Prim		6	0	6	Prim	4,175	4,175	
Oklahoma	Prim	0	6	0	6	Prim	11,000	11,000	
Texas	Prim	77	90	77	90	Prim	54,151	54,151	
Iowa	DI	0	0	0	0	DI	4	0	
Kansas	Prim	7	56	7	56	Prim	16,539	16,539	
Missouri	Prim	0	0	0	0	Prim	434	434	
Nebraska	Prim	0	11	0	11	Prim	620	620	
Colorado	DI		13	0	0	Prim	977	977	
Montana	DI			0	0	Prim	1,143	1,143	
North Dakota	Prim		8	0	8	Prim	1,454	1,454	
South Dakota	DI			0	0	Prim	108	108	
Utah	Prim	0	0	0	0	Prim	776	776	
Wyoming	Prim	0	84	0	84	Prim	4,989	4,989	
Amer Samoa	DI			0	0	DI		0	
Arizona	DI			0	0	DI		0	
California	DI	1	58	0	0	Prim	35,841	35,841	
Ft. Peck	DI			0	0	Prim	32	32	
Guam	Prim			0	0	Prim		0	
Hawaii	DI			0	0	DI		0	
MP	Prim			0	0	Prim		0	
Navajo	DI			0	0	Prim	475	475	
Nevada	Prim			0	0	Prim	17	17	

Alaska	DI		20	0	0	Prim	1,592	1,592
Idaho	Prim	0	0	0	0	Prim		0
Oregon	Prim	0	0	0	0	Prim	9	9
Washington	Prim	0	0	0	0	Prim	1	1
Total Primacy		38					46	
Total DI		20					12	180,199

Source: FY20 UIC Inventory, provided by Dan Feuer June 3, 2021.

**Last ICR Inventory (paste these to row 2 to calculate impact on change)**

State	Cl 1 status	CLASS 1 HW	CLASS 1 OTHER	C1Haz in prim	Class I NH In prim	Cl 2 status	CLASS 2 WELLS	C2 in prim	C2 in DI
Total		140	688	129	557		180,199	176,486	3,713

Inventory	Total	Class 1	Class 2	Class 3	Class 5	Class 3 sites
Total - 2018 ICR	701,213	828	180,199	24,669	495,517	225
Total - 2021 ICR	753,544	885	159,269	22,612	570,778	300
Change	52,331	57	-20,930	-2,057	75,261	75
Percent change	7%	7%	-12%	-8%	15%	33%
Years between inven	3				25,087	

**Updating the inventory**

- Use final UIC inventory numbers
- Check order (e.g., MA and ME flip)
- Combine rows if multiple agencies report
- Add up Class II subtypes
- Paste values into shaded columns

Inventory sheet	notes
California	Class II - big drop; similar to 2019; big Cl
Ohio	Class II, III data missing in 2020; use 201
New York	2020 data missing; used 2018
Arizona	2020 data missing; used 2018. Big Class
Delaware	2020 data missing; used 2019
Virgin Islands	2020 data missing; used 2019
Class V	INCOMPLETE. Dan F. provided updated

CI 3 status	CLASS 3 SITES	CLASS 3 WELLS	C3 sites in prim	C3 wells in prim	CI 5 status	CLASS 5 WELLS	C5 in prim
	300	22,612	252	20,299		570,778	400,326
Prim			0	0	Prim	808	808
Prim			0	0	Prim	2,223	2,223
Prim			0	0	Prim	2,599	2,599
Prim			0	0	Prim	12,131	12,131
Prim			0	0	Prim	1,925	1,925
Prim			0	0	Prim	1,833	1,833
Prim	0	0	0	0	Prim	411	411
DI	6	158	0	0	DI	8,681	0
Prim			0	0	Prim	3,090	3,090
DI			0	0	DI	67	0
DI	0	0	0	0	DI	236	0
Prim			0	0	Prim	1,700	1,700
Prim			0	0	Prim	13,483	13,483
DI	0	0	0	0	DI	16,165	0
DI	1	17	0	0	DI	12,282	0
Prim	2	21	2	21	Prim	2,189	2,189
Prim	1	4	1	4	Prim	1,126	1,126
Prim	0	0	0	0	Prim	18,325	18,325
Prim	0	0	0	0	Prim	17,300	17,300
DI			0	0	DI	14,388	0
Prim			0	0	Prim	7,500	7,500
Prim			0	0	Prim	15,100	15,100
Prim	0	0	0	0	Prim	19,302	19,302
Prim	0	0	0	0	Prim	5,086	5,086
Prim			0	0	Prim	33,915	33,915
DI			0	0	DI	17,372	0
DI	5	58	0	0	DI	8,419	0
DI			0	0	DI	3,688	0
Prim	5	56	5	56	Prim	23,432	23,432
Prim			0	0	Prim	1,869	1,869
Prim			0	0	Prim	167	167
Prim	19	82	19	82	Prim	990	990
Prim	9	9	9	9	Prim	2,364	2,364
Prim	0	0	0	0	Prim	2,820	2,820
Prim	200	4,528	200	4,528	Prim	56,625	56,625
DI	0	0	0	0	DI	5,358	0
Prim	4	163	4	163	Prim	9,114	9,114
Prim	0	0	0	0	Prim	10,934	10,934
Prim	3	4,769	3	4,769	Prim	1,597	1,597
DI	17	17	0	0	DI	2,911	0
DI			0	0	DI	7,043	0
Prim			0	0	Prim	933	933
DI	14	14	0	0	DI	713	0
Prim	3	27	3	27	Prim	4,430	4,430
Prim	6	10,640	6	10,640	Prim	1,340	1,340
DI			0	0	DI	10	0
DI	3	1,413	0	0	DI	40,743	0
DI	2	636	0	0	DI	23,121	0
DI			0	0	DI	3	0
Prim			0	0	Prim	516	516
DI			0	0	DI	6,973	0
Prim			0	0	Prim	25	25
DI			0	0	DI	218	0
Prim			0	0	Prim	2,371	2,371

Agency 1	Agency 2
<b>Total # prim. agencies</b>	<b>59</b>
Connecticut Department of Environment	
Maine Department of Environmental F	
Massachusetts Department of Environr	
New Hampshire Department of Envir	
Rhode Island Department of Environn	
Vermont Department of Environmenta	
New Jersey Dept. of Environmental P	
Puerto Rico Environmental Quality Bo	
Delaware Department of Natural Resc	
Maryland Department of the Environr	
West Virginia Division of Environment	
Alabama C Alabama Oil & Gas, State	
Florida Department of Environmental	
Georgia Department of Natural Resou	
Kentucky Department of Natural Resc	
Mississippi Department of Environ	
North Carolina Department of Health	
South Carolina Department of Health	
Tennessee Department of Environme	
Illinois D Illinois Environmental Age	
Indiana Department of Natural Resou	
Ohio Depa Ohio Environmental Agen	
Wisconsin Department of Natural Res	
Arkansas I Arkansas Oil and Gas Cor	
Louisiana Department of Natural Resc	
New Mexic New Mexico Environment	
Oklahoma Oklahoma Department of	
Texas Con Texas Railroad Commissi	
Kansas De Kansas Corporation Comr	
Missouri Department of Natural Resou	
Nebraska I Nebraska Oil and Gas Co	
Colorado Oil and Gas Conservation C	
Montana Board of Oil and Gas Conse	
North Dakr North Dakota Industrial Cc	
South Dakota Department of Environr	
Utah Depa Utah Department of Natur	
Wyoming I Wyoming Oil and Gas Cor	
California Department of Conservator	
Fort Peck Tribes	
Guam Environmental Protection Agen	
Commonwealth of Northern Mariana I	
Navajo Nation Environmental Protecti	
Nevada Division of Environmental Prc	

DI			0	0	DI	2,061	0
Prim	0	0	0	0	Prim	20,285	20,285
Prim	0	0	0	0	Prim	40,546	40,546
Prim	0	0	0	0	Prim	59,922	59,922
	38					38	
	20					20	

Alaska Oil and Gas Conservation Con  
Idaho Department of Water Resource  
Oregon Department of Environmental  
Washington Department of Ecology

Cl 3 status	CLASS 3 SITES	CLASS 3 WELLS	C3 sites in prim	C3 wells in prim	Cl 5 status	CLASS 5 WELLS	C5 in prim
	225	24,669	175	24,243		495,517	347,224

**Number of DI Programs, by Class:**

Class1	8	All regions but
Class2	6	All regions but
Class3	8	All regions but
Class4	8	All regions but
Class5	8	All regions but
Class6	1	Region 5 as of

a few states (CA, OH, NY, AZ, DE, VI) were missing 2020 data so 2019 or 2018 data used; see below

ass III jump

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total in Oct 2021; see Class V assumptions

**Per Jill, and Anita memo**

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Quality

: 1 and 6 have at least 1 DI state  
: 1, 6, 8 and 10 have at least 1 DI state

: 1 and 6 have at least 1 DI state  
: 1 and 6 have at least 1 DI state  
: 1 and 6 have at least 1 DI state

f Jan 2018

ibits; however 10 regions have oversight duties/report to Headquarters

**Labor rates used in UIC Program ICR**

	Class 1, 2, 3	Class 4/5	
Legal	\$ 96	\$ 29	
Managerial	\$ 97	\$ 61	
Technical	\$ 56	\$ 30	
Clerical	\$ 33	\$ 25	
State/federal	\$ 46	\$ 46	
Contractor	\$ 60	inflated to: \$	102
<b>Class 6</b>			
Tech 1 - Mining & Geological Engineer	\$		106
Tech 2 - Geoscientist	\$		118

**INFLATION FACTOR:**  
1.6982

From BLS web site: CPI calcu  
100 1995 dollars

169.82 2020 dollars

Inflating Class VI non-labor costs (relative t  
100 2008 dollars (Class VI non-la

120.21 2020 dollars

Class 1-3: Based on Bureau of Labor Statistics Occupational Employment Statistics, 2016, for NAICS codes 325000 (Chemical Manu  
Class 4 and 5: Based on BLS Occupational Employment Statistics, 2016, for NAICS codes 447000 (Gasoline Stations) and 441000 (F  
Class 6: Based on BLS Occupational Employment Statistics, 2016, for NAICS codes 21100 (Oil and Gas Extraction), increased by 60

<http://www.bls.gov/oes/current/oesrci.htm>

State/federal: GS-9, Step 10 on Federal pay schedule; multiplied by 1.6 to load.

**State/Agency**  
GS-9, Step 10 Fed pay scale \$ 28.70 \$ 45.92 2021 fed pay scale (accessed 9/30/21)

**Class 1, 2, 3**

NAICS	NAICS_TITLE	OCC_CODE	OCC_TITLE	ICR labor cat	H_MEDIAN	
211000	Oil and Gas Extr	43-0000	Office and administrat	C	\$ 21.96	
324000	Petroleum and	43-0000	Office and administrat	C	\$ 21.98	
325000	Chemical Manuf	43-0000	Office and administrat	C	\$ 21.16	
326000	Plastics and Ru	43-0000	Office and administrat	C	\$ 19.24	
327000	Nonmetallic Mir	43-0000	Office and administrat	C	\$ 18.82	
331000	Primary Metal M	43-0000	Office and administrat	C	\$ 20.21	\$ 20.56 Clerical averag
325000	Chemical Manuf	23-0000	Legal occupations	L	\$ 60.02	\$ 60.02 Legal average
211000	Oil and Gas Extr	11-0000	Management occupat	M	\$ 69.83	
324000	Petroleum and	11-0000	Management occupat	M	\$ 64.16	
325000	Chemical Manuf	11-0000	Management occupat	M	\$ 64.40	
326000	Plastics and Ru	11-0000	Management occupat	M	\$ 54.39	
327000	Nonmetallic Mir	11-0000	Management occupat	M	\$ 55.74	
331000	Primary Metal M	11-0000	Management occupat	M	\$ 55.74	\$ 60.71 Managerial av
211000	Oil and Gas Extr	17-2041	Chemical engineers	T	\$ 66.95	
211000	Oil and Gas Extr	19-4031	Chemical technicians	T	\$ 32.81	
324000	Petroleum and	17-2041	Chemical engineers	T	\$ 59.31	
324000	Petroleum and	19-4031	Chemical technicians	T	\$ 32.65	
324000	Petroleum and	51-8091	Chemical plant and sy	T	\$ 36.65	
324000	Petroleum and	51-9011	Chemical equipment c	T	\$ 35.86	
325000	Chemical Manuf	17-2041	Chemical engineers	T	\$ 52.83	
325000	Chemical Manuf	19-4031	Chemical technicians	T	\$ 25.48	
325000	Chemical Manuf	51-8091	Chemical plant and sy	T	\$ 30.96	
325000	Chemical Manuf	51-9011	Chemical equipment c	T	\$ 24.40	
326000	Plastics and Ru	17-2041	Chemical engineers	T	\$ 49.91	
326000	Plastics and Ru	19-4031	Chemical technicians	T	\$ 22.47	
326000	Plastics and Ru	51-9011	Chemical equipment c	T	\$ 21.53	
327000	Nonmetallic Mir	17-2041	Chemical engineers	T	\$ 43.00	
327000	Nonmetallic Mir	19-4031	Chemical technicians	T	\$ 25.07	
327000	Nonmetallic Mir	51-9011	Chemical equipment c	T	\$ 22.85	
331000	Primary Metal M	17-2041	Chemical engineers	T	\$ 43.00	
331000	Primary Metal M	19-4031	Chemical technicians	T	\$ 25.07	
331000	Primary Metal M	51-8091	Chemical plant and sy	T	\$ 27.28	
331000	Primary Metal M	51-9011	Chemical equipment c	T	\$ 22.85	\$ 35.05 Technical aver

**Class 4 & 5**

NAICS	NAICS_TITLE	OCC_CODE	OCC_TITLE	ICR labor cat	H_MEDIAN		
441000	Motor Vehicle a	43-0000	Office and administrat	C	\$ 16.36		
447000	Gasoline Station	43-0000	Office and administrat	C	\$ 14.75	\$ 15.56	Clerical avera
441000	Motor Vehicle a	11-0000	Management occupat	M	\$ 49.69		
447000	Gasoline Station	11-0000	Management occupat	M	\$ 26.54	\$ 38.12	Managerial av
441000	Motor Vehicle a	49-0000	Installation, maintena	T	\$ 20.00		
447000	Gasoline Station	49-0000	Installation, maintena	T	\$ 17.41	\$ 18.71	Technical aver
441000	Motor Vehicle a	23-0000	Legal Occupations	L	\$ 18.03	\$ 18.03	Legal average

Some numbers are hard coded based on consultations; do not change unless this is recommended in consultation process  
 Yellow cells will automatically change each ICR based on inventory. Get application data from 7520-1 data.

Class I start u  
 HAZARDOUS |

**Class I Inputs for Operator Burden**

Input	Number	Var	Notes
Total Hazardous facilities	73	HAZ	No. of wells/wells per facility
Total Nonhazardous facilities	393	NHAZ	No. of wells/wells per facility
New Permit applications - Hazardous	36	NPH	Average of 7520-1 data (2017-2020 - see at right); assume 1/3 of all Class
New Permit applications - Nonhazardous	73	NPN	Average of 7520-1 data (2017-2020); assume 2/3 are NHaz. CHANGED SOURC
Applications for new wells at new facilities	30%	NPFR	Calls, meeting
Applications for new wells at existing facilit	70%	EPER	Calls, meeting
Hazardous Renewal Permit applications	12	RPH	Inventory, calls (see below)
Nonhazardous Renewal Permit application:	20	RPN	Inventory, calls (see below)
Hazardous Plugging & Abandonments	1	HPA	EPA Inventory -- assumed even split
Nonhazardous Plugging & Abandonments	1	NPA	EPA Inventory -- assumed even split
Wells Per Facility	1.9	WPF	EPA Inventory, confirmed by calls
Percent of facilities in Primacy states	83%	PRIM1	EPA Inventory (calculated)
Percent of facilities in DI Programs	17%	DIclass1	EPA Inventory (calculated)
Total wells	885		EPA Inventory
No. of hazardous wells	138		EPA Inventory
No. of nonhazardous wells	747		EPA Inventory
Florida facilities affected by rule	0		Florida Rule ICR (was 16 in 2007; ass
Florida facilities (municipal owners)	15		Per Nancy Marsh (3/25/11)
Petition modifications	6	PETMOD	Regions 5, 6
Permit Modifications	8		Average of 7520-1 data (2017-2020). CHANGED ASSUMPTION IN 2021
Permit Modifications - Hazardous	3	HMOD	37% of modifications
Permit Modifications - Nonhazardous	5	NMOD	63% of modifications
Percent of wells worked over	5%	WORK	Estimate
Percent of facilities that are commercial	5%	COMM	Class I Database
Legal Labor Rate	\$ 96.03	LEG1	Updated rates per BLS (links to labor rates sheet)
Management Labor Rate	\$ 97.14	MAN1	Updated rates per BLS (links to labor rates sheet)
Technical Labor Rate	\$ 56.07	TECH1	Updated rates per BLS (links to labor rates sheet)
Clerical Labor Rate	\$ 32.90	CLER1	Updated rates per BLS (links to labor rates sheet)
State Labor rate	\$ 45.92	Staterate	GS-9, Step 10 on Federal pay schedule; multiplied by 1.6 to load.
Class I permit applications requiring aquif	17%		Based on aquifer exemptions tracking system data

**Requirements as**

146.70(a)
144.31(e)(9)
146.70(a)(2,3)
146.70(a)(4)
146.70(a)(5-7)
146.70(a)(9-11)
146.70(a)(13)
146.70(a)(14)
146.70(a)(15)
146.70(a)
146.70(d)
146.71(a)
146.72(a)(1)
<b>Requirements fo</b>
144.31(g)(1)
144.31(g)(2)
144.31(g)(3)
146.68(a)(1)
148.20

**NONHAZARD**

**Requirements as**

146.14(a)(1, 4-
144.31(e)(9)
146.14(a)(2,3)
146.14(a)(4-6)
146.14(a)
146.14(a)(8-10)
146.14(a)(12)
146.14(a)(13)
146.14(a)(14)
146.14(a)(16)

	facilities	
permit apps (inventory)		54
percent new	40%	21.6
percent renewal	60%	32.4
percent haz	37%	
percent nonhaz	63%	
haz & new		8
nonhaz & new		14
Haz & renewal		12
nonhaz & renewal		20

**ip costs - non labor estimates. These**

**FACILITIES: (NONHAZ BELOW)**

<i>sociated with permit applic (Average)</i>	
Read permit application	\$0
Gather and submit list of landowners	\$0
Prepare and submit a	\$15,100
Prepare and submit AoR	\$585
Prepare and submit	\$31,350
Develop formation	\$4,500
Prepare and submit	\$175
Prepare and submit	\$2,950
Prepare and submit	\$7,475
Prepare and submit	\$3,750
Prepare and submit	\$4,550
Prepare and submit	\$1,105
Prepare and submit post-	\$1,360
<i>r active hazardous waste facilities</i>	
Gather and submit dates	\$5,700
Gather and submit	\$2,850
Gather & submit site	\$66,500
Develop waste analysis	\$1,900
No-migration petition	\$525,000

**OUS FACILITIES (HAZ AND NOTES AE**

<i>sociated with permit applic (Average)</i>	
Read permit application	\$0
Gather and submit	\$0
In DI programs, gather	\$0
Prepare and submit a	\$12,080
Prepare and submit	\$31,350
Prepare and submit	\$3,750
Develop formation	\$4,500
Prepare and submit	\$175
Prepare and submit	\$2,950
Prepare and submit	\$5,750
Prepare and submit	\$1,105

**Yellow cells will change automatically each ICR based on inventory. Get application data from 7520-1 data.**

ASSUMPTION	VALUE	VAR NAME	NOTES
Total permit applications received	5,956	PAPPS	Based on average of 7520-1 data reported 2017-2019 (2020 data seemed unusually low); data are on Class I pa
Wells per area permit issued (non-HF)	3.1		Assumption. Source: EPA data from FY 1995
Total wells constructed	5,658	NWELL	Apps * 0.95. Assume that about 95% of apps get a permit, per assumptions in 2018. CHANGED ASSUMPTION I
Permit modifications	773	MODS	Average of 7520-1 data (2017-2020). CHANGED ASSUMPTION IN 2021
% of new wells in DI states	2%	WDI	Assumption based on analysis of EPA inventory.
% of new wells in Primacy states	98%	WPRI	Assumption based on analysis of EPA inventory.
# of pluggings	1,044	PLUG	Assumption based on net change in inventory 1994-1995
II-R wells per lease	32	FACR	Assumption based on analysis of Texas data (from Class II RIA).
II-D wells per lease	1.9	FACD	Assumption based on analysis of Texas data (from Class II RIA).
Total wells per lease	33.9	FACA	Assumption based on analysis of Texas data (from Class II RIA).
Total leases	4,698	FAC	Calculated
total wells	159,269		From inventory. 1998 total = 160,970; 2001 = 146,878; 2004 = 141,129; 2010 = 150,851; 2014 = 176,516
% of wells for which operator performs	18.86%	AORO	Assumption based on consultations
% of wells for which state performs	22.23%	AORS	Assumption based on consultations
% of requiring AoR (not subject to variance or ove	41.1%	AORD	The Cadmus Group, Inc., Technical Issues Paper for Developing Area of Review Guidance (Draft), Contract No. t
Wells per operator (except HF)	10	FACA2	Assumption based on consultations
Total operators	15,927	FAC2	Calculated
Legal labor rate	\$ 96.03	LEG	Updated rates per BLS (in labor rates sheet)
Management labor rate	\$ 97.14	MAN	Updated rates per BLS (in labor rates sheet)
Technical labor rate	\$ 56.07	TECH	Updated rates per BLS (in labor rates sheet)
Clerical labor rate	\$ 32.90	CLER	Updated rates per BLS (in labor rates sheet)
Contractor labor rate	\$ 59.91	CON	
Wells in DI states	3,478		
State Labor rate	\$ 45.92	STATE2	
Operators in Primacy	15,579		Calculated
Operators in DI	348		Calculated
Wells in Primacy states	155,791		
Percent in DI	2%		Assumption based on inventory
Class II permit applications requiring aquifer exe	3%		Assumption based on aquifer exemptions tracking system data
New diesel HF wells subject to permitting activitie	-		Zeroed out in 2018. Based on a 2014 EPA assessment of the number of disclosures to the FracFocus data base
HF facilities (for permitting)	-		Because the DFHF Guidance recommendations are "short term" it is assumed that, over the ICR clearance perio
HF Facilities (for operating)	-		Assume all HF wells are in DI states

### Class 3 Assumptions

Total new permit applications received	44	PAPPS3	Average of 7520-1 data (2017-2020). CHANGED AS:
% of applications for individual permits	40%	PIND	Assumption based on consultations
% of applications for area permits	60%	PAREA3	Assumption based on consultations
Total wells constructed	44	NWELL3	Same as apps (to avoid negative numbers where i
No. permit mods	1	PM	Average of 7520-1 data (2017-2020). CHANGED AS:
Plug/abandonments	2	PA	Assumption based on consultations
Inventory	22,612	INV	UIC inventory
Primacy	90%	PR	In 2001 this was 99%; was 30% in 2007; 48% in 201
DI	10%	DIclass3	Calculated
Facilities	300	FAC3	Calculated. This number (rather than well inventor
Wells per facility	75	WFAC	Calculated
Uranium mining - 95%	21,481	URAN	Type -specific data no longer maintained; percent
Salt mining - 4%	904	SALT	Type -specific data no longer maintained; percent
Brine mining/other - 1%	226	OTH	Type -specific data no longer maintained; percent
Uranium mining facilities	18	URFAC	Type -specific data no longer maintained; percent
Salt solution mining facilities	82	SALFAC	Type -specific data no longer maintained; percent
Other Class III facilities	199	OTHFAC	Type -specific data no longer maintained; percent
Wells per uranium facility	1,174	WURFAC	Calculated
Wells per salt facility	11	WSAFAC	Calculated
Wells per other Class III facility	1	WOTHFAC	Calculated
Monitoring wells per facility	110	MONIT	Assumption based on consultations
Legal labor rate	\$ 96.03	LEG3	Updated rates per BLS (links from operator sheet)
Managerial labor rate	\$ 97.14	MAN3	Updated rates per BLS (links from operator sheet)
Technical labor rate	\$ 56.07	TECH3	Updated rates per BLS (links from operator sheet)
Clerical labor rate	\$ 32.90	CLER3	Updated rates per BLS (links from operator sheet)
Contractor labor rate	\$ 59.91	CON3	Updated rates per BLS (links from operator sheet)
State labor rate	\$ 45.92		
Class III permit applications requiring aq	1%		Based on aquifer exemptions tracking system data

**See the read me page about changing these values!!!**

Update the shaded cells; all others reference other cells. Also add inventory information be

**Class V Inputs**

Input	Number	Var.	Notes
New wells on inventory	19,348	NEWINV	Increase in inventory since 2001 to normalize for increase/decrease year to year (se
Permit applications submitted	10		EPA estimate, all in primacy states (added in 2018); the 7520-1 data includes 1000s c
Legal labor rate	\$ 28.85	LEG	From labor rates sheet
Management labor rate	\$ 60.98	MAN	From labor rates sheet
Technical labor rate	\$ 29.93	TECH	From labor rates sheet
Clerical labor rate	\$ 24.89	CLER	From labor rates sheet
Cesspools closing	-		These closures are accounted for on the Class IV/endangering Class V page (beginn
MVWDWS closing	-		These closures are accounted for on the Class IV/endangering Class V page (beginn
MVWDWS getting a permit	-		Assumed to be zero beginning in 2018
MVWDWS monitoring	1,479		Frozen as of the 2015 ICR, beginning 2018
Percent in Primacy states	70%		Based on inventory
State labor rate	\$ 45.92		From labor rate sheet
Percent submitting 7520-16 electror	70%		Per Colin 10/14/21 - use this to est a total burden savings and percent reporting ele

**Comparing the Class V inventory over the years provides an estimate of the number of inventory submittals to review**

Note: as of 2013, the Class V numbers on the inventory are no longer "frozen."

	Number	Change from prior inventory		
Inventory 2001	206,379			
Inventory 2006	402,020	195,641		
Inventory 2007	424,098	22,078		
Inventory 2008	456,990	32,892		
Inventory 2009	495,032	38,042		From last ICR
Inventory 2010	511,184	16,152	19,348	Average increase 2001-current year 19,276
Inventory 2012	486,511	-24,673		Add newer inventory data; update this formula to count r
Inventory 2013	480,921	-5,590		

See the read me page about changing these values!!!

Update shaded cells each ICR

Note: the ICR unit burdens assume that operators (not contractors) perform most activities – this conservatively over-estimates burden. Consider reaching out to early permittees for i

**Class VI Inputs for Operator Burden**

	Total/yr (o/o)	Primacy	DI	Source	Year 1 (Prim)	Year 2 (Prim)	Year 3 (Prim)	Year 1 (DI)	Year 2 (DI)	Year 3 (DI)
Class VI permit applications	13.33	5.00	8.33	UIC estimate	6	7	2	10	10	5
Class VI waiver applications	0.00	0.00	0.00	UIC estimate	0	0	0	0	0	0
Class VI wells in oper. phase	2.67	0.33	2.33	UIC estimate	0	0	1	1	2	4
Class VI doing an AoR reeval	0.33	0	0.33	UIC estimate	0	0	0	0	1	0
Class VI wells ceasing injection	0	0	0	UIC estimate	0	0	0	0	0	0
Class VI wells doing PISC	1	0	1	UIC estimate	0	0	0	1	1	1
Class VI wells performing n-e. demo	0	0	0	UIC estimate	0	0	0	0	0	0

Mining & Geological Engineer labor rate	\$ 105.78
Geoscientist labor rate	\$ 118.26
Class VI inflation factor	1.2021
Primacy applications (total over clearance period)	5

From BLS CPI calculator (final rule ICR was in 2008 dollars; inflate to match current year)  
 UIC estimate: 2 states (Wyoming and Utah or Texas) will apply for Class VI primacy

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 1 Haz</b>					
Permitting/ startup			15,950	\$ 47,201,833	New assumption for # apps based on 7520-1 data in 2021
Monitoring/ testing			14,266	\$ 5,404,941	Monitoring and reporting changes commensurate w/ inventory changes for Class I - III
Reporting			7,566	#VALUE!	
Recordkeeping			363	\$ 11,947	
Well closure			42	\$ 57,387	
<b>Total</b>			<b>38,187</b>	<b>#VALUE!</b>	

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 1 Nhaz</b>					
Permitting/ startup			10,763	\$ 15,823,735	New assumption for # apps based on 7520 data.
Monitoring/ testing			72,891	\$ 21,629,186	
Reporting			27,617	\$ 1,729,391	
Recordkeeping			1,573	\$ 51,737	
Well closure			2	\$ 81	
<b>Total</b>			<b>112,846</b>	<b>\$ 39,234,131</b>	

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 2</b>					
Permitting/ startup	#	45	349,708	\$ 26,710,988	New assumption for # apps based on 7520-1 data in 2021. Permitting is highest-burden activity. Total also includes completion reports and permit mods.
Monitoring/ testing	#	0.6	416,966	\$ 123,973,084	Respondents = operators (not wells). Quarterly injectate monitoring; Recording of P/R/V (monthly); 5-year MITs. Report monitoring data, MIT results; occasional reporting
Reporting	#	6	239,680	\$ 12,879,306	
Recordkeeping	#	4	63,708	\$ 2,465,013	
Well closure	#	3	3,270	\$ 184,000	Notification to director
Other	#	2	70	\$ 3,809	Update financial responsibility in DI programs
<b>Total</b>			<b>1,073,400</b>	<b>\$ 166,216,198</b>	

Unit burdens are ranges because not all respondents do all activities; also frequencies of activities vary.

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 3</b>					
Permitting/ startup			12,889	\$ 4,668,151	New assumption for # apps based on 7520 data. Change in tot. app burden commensurate w/ responses; completion assumptions/MIT assumptions changed = large increase in total MIT burden increase commensurate w/ inventory change in # of sites (33% in 2021)
Monitoring/ testing			53,971	\$ 4,104,188	
Reporting			33,596	\$ 1,464,474	
Recordkeeping			1,020	\$ 36,338	
Well closure			4	\$ 294	
Other			33	\$ 1,792	FR demo in DI programs
<b>Total</b>			<b>101,513</b>	<b>\$ 10,275,236</b>	

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 4</b>					
Well closure			698	\$ 20,042	Used 7520-2B data in 2021, instead of SDW-08 data (no longer reported)
<b>Total</b>			<b>698</b>	<b>\$ 20,042</b>	

	Re	Ur	Total Burden	Total Cost	Notes
<b>Class 5</b>					
Inventory			6,613	\$ 164,578	Small unit burden, high number of responses. Similar est of # inventory forms as in last ICR
permit applications			1,036	\$ 1,082,518	Unchanged since 2018 9no data; EPA agrees)
Rule: Perm/close*			0	\$ -	These activities are complete as of 2018 ICR
Rule: Monitoring*			17,009	\$ 8,158,506	No new data on universe
<b>Total</b>			<b>24,657</b>	<b>\$ 9,405,602</b>	

	Total Burden	Total Cost	Notes
<b>Class 6</b>			
Permitting/ startup	47,699	\$ 69,947,096	Assuming a big jump in apps per 45Q
Monitoring/ testing	1,361	3,361,019	
Reporting	176	18,617	
Recordkeeping	0	0	
Well closure/post-injection	40	860,682	
Other	373	39,419	AoR reevaluations
<b>Total</b>	<b>49,649</b>	<b>\$ 74,226,832</b>	

	Total Burden	Total Cost	Pct of total o/o burden
<b>All Classes - conform math; see eval in Column 5</b>			
Permitting/ startup/inventory	444,656	\$ 165,598,899	32%
Monitoring/ testing	576,465	\$ 166,630,923	41%
Reporting	308,635	#VALUE!	22%
Recordkeeping	66,663	\$ 2,565,035	5%
Well closure	4,055	\$ 1,122,487	0%
Other	475	\$ 45,020	0.03%
<b>Total</b>	<b>1,400,950</b>	<b>#VALUE!</b>	

2018 Burden	rdn change	% change	2018 Cost	Cost change	% change
5,067	10,883	215%	\$ 14,139,767	\$ 33,062,067	234%
14,472	(207)	-1%	\$ 5,218,702	\$ 186,239	4%
7,676	(110)	-1%	\$ 657,325	#VALUE!	#VALUE!
368	(5)	-1%	\$ 11,211	\$ 737	7%
42	0	0%	\$ 55,225	\$ 2,162	4%
<b>27,626</b>	<b>10,561</b>	<b>38%</b>	<b>\$ 20,082,230</b>	<b>#VALUE!</b>	<b>#VALUE!</b>

Total Burden	Total Cost
2,468	\$ 3,073,630
67,134	\$ 18,881,530
25,436	\$ 1,469,376
1,448	\$ 44,074
2	\$ 75
<b>96,488</b>	<b>\$ 23,468,686</b>

Total Burden	Total Cost
90,232	\$ 5,999,308
471,761	\$ 133,163,891
271,174	\$ 12,865,624
72,080	\$ 2,523,276
3,262	\$ 169,570
74	\$ 3,705
<b>908,583</b>	<b>\$ 154,725,375</b>

Total Burden	Total Cost
6,013	\$ 1,858,349
40,479	\$ 2,791,167
25,197	\$ 987,692
765	\$ 24,926
4	\$ 261
6	\$ 276
<b>72,464</b>	<b>\$ 5,662,670</b>

Total Burden	Total Cost
6,503	\$ 165,832
<b>6,503</b>	<b>\$ 165,832</b>

Total Burden	Total Cost
6,827	\$ 142,436
1,036	\$ 1,043,730
0	\$ -
17,009	\$ 7,840,409
<b>24,871</b>	<b>\$ 9,026,574</b>

Total Burden	Total Cost
3,577	\$ 5,059,860
681	\$ 1,633,135
88	\$ 9,100
0	\$ 0
40	\$ 836,221
373	\$ 38,537
<b>4,759</b>	<b>\$ 7,576,853</b>

Burden change	% change	2018 Cost	Cost change	% change
114,185	330,472	\$ 30,130,913	\$ 135,467,986	450%
611,535	(35,071)	\$ 169,528,835	\$ (2,897,912)	-2%
329,571	(20,936)	\$ 15,989,117	#VALUE!	#VALUE!
74,661	(7,998)	\$ 2,603,488	\$ (38,452)	-1%
9,853	(5,798)	\$ 1,227,185	\$ (104,699)	-9%
452	23	\$ 42,518	\$ 2,502	6%
<b>1,140,258</b>	<b>260,692</b>	<b>\$ 219,522,055</b>	<b>#VALUE!</b>	<b>#VALUE!</b>

**Summary of Annual Respondent Burden and Costs -- this page draws from the individual Class-specific tables and feeds all 1**

Respondent Type	Number of Respondents	Number of Responses	Total Hours/ Year	Total Annual Labor Cost	Total Annual Non-labor Cost	Total Annual Respondent Cost
Class IH (operators)	73	2,065	38,187	#VALUE!	\$51,023,167	#VALUE!
Class IH (states)	38	706	3,648	\$167,532	\$0	\$167,532
Class INH (operators)	393	6,636	112,846	\$6,087,041	\$33,147,090	\$39,234,131
Class INH (states)	38	2,092	#VALUE!	#VALUE!	\$0	#VALUE!
Class I (operators)	466	8,701	151,032	#VALUE!	84,170,257	#VALUE!
Class I (states)	38	2,798	#VALUE!	#VALUE!	0	#VALUE!
Class II (operators)	15,927	418,056	1,073,400	\$56,894,584	\$109,321,614	\$166,216,198
Class II (states)	46	92,358	132,980	\$6,106,460	\$0	\$6,106,460
Class III (operators)	300	10,562	101,513	\$4,995,581	\$5,279,655	\$10,275,236
Class III (states)	38	1,571	4,483	\$205,865	\$0	\$205,865
Class IV (operators)	71	142	698	\$20,042	\$0	\$20,042
Class IV (states)	38	56	56	\$2,549	\$0	\$2,549
Class V (operators)	20,837	28,232	24,657	\$682,927	\$8,722,675	\$9,405,602
Class V (states)	38	14,618	7,938	\$364,494	\$0	\$364,494
Class VI (operators)	17	230	49,649	\$5,651,568	\$68,575,264	\$74,226,832
Class VI (states)	5.0	22	6,951	\$319,198	\$0	\$319,198
UIC Primacy Agencies	59	767	66,936	\$3,073,678	\$0	\$3,073,678
Respondent Total		578,113	#VALUE!	#VALUE!	\$276,069,465	#VALUE!
operator total	37,618	465,923	1,400,950	#VALUE!	\$ 276,069,465	#VALUE!
state total	59	112,190	#VALUE!	#VALUE!	\$ -	#VALUE!
3 year total		1,734,340	#VALUE!	#VALUE!	\$828,208,394	#VALUE!
Burden/cost per response			#VALUE!			#VALUE!

**Change in Annual Respondent Burden - hard enter values for previous ICR; current ICR columns reference other worksheets.**

Operator Burden Change	Previous (2018)	This ICR (2021)	Net Change	Pct change	Reasons for change (2021)	Non-labor cost change	Non-Labor cost change (%)	Reasons for C
Class I (operators)	124,114	151,032	26,919	22%	Inventory increased by 7% (this a	\$46,726,677	56%	Class I invent
Class II (operators)	908,583	1,073,400	164,817	18%	Inventory reduced by 12%; new a	(\$3,530,708)	-3%	Class II invent
Class III (operators)	72,464	101,513	29,050	40%	Number of sites (driver of M&R bu	\$2,749,595	52%	Commensurat
Class IV (operators)	6,503	698	-5,806	-89%	Using 7520-2B data for well clos	\$0	0%	Commensurat
Class V (operators)	24,871	24,657	-214	-0.9%	Inventory data shows consistent ε	\$297,913	3%	Class V invent
Class VI (operators)	4,759	49,649	44,890	943%	Big increase in number of apps e	\$61,480,430	90%	Reduced numl
<b>Operator Total</b>	<b>1,141,294</b>	<b>1,400,950</b>	<b>259,656</b>	<b>23%</b>		<b>\$107,723,907</b>	<b>39%</b>	

Primacy Burden Change	Previous (2018)	This ICR (2021)	Net Change	Pct change	Reasons for change (2021)	Reasons for C
Class I (states)	6,058	#VALUE!	#VALUE!	#VALUE!	Many new apps reviewed (from 19 to 90 in primacy states); also higher % of total wells are in DI v. Primacy	DI v. Primacy
Class II (states)	64,732	132,980	68,248	105%	Many new apps reviewed (from 1,262 to 5,826 in primacy state)	
Class III (states)	2,706	4,483	1,777	66%	Many new apps reviewed (from 18 to 39 in primacy state); also higher % of total wells are in p	Reduction due
Class IV (states)	508	56	-452	-89%	Using 7520-2B numbers for well closure instead of PAMs (was 659, now 71)	Commensurat
Class V (states)	8,143	7,938	-205	-2.5%	Inventory data shows consistent annual increase relative to last ICR; small adjustment only	
Class VI (states)	1,058	6,951	5,893	557%	Increase in apps; also a shift from DI burden as states get primacy	Reduced numl
UIC Primacy Agencies	67,762	66,936	-826	-1%	We need to estimate burden for using web-based system (no good input from WG). Do we ma	Added KY; fix
<b>State Total</b>	<b>150,966</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>#VALUE!</b>		

Total changes: 2018-2021

	hours	total cost (lab+non)	reponses
2018 totals			
operator	1,141,294	\$220,708,221	460,604
state	150,966	\$6,599,038	96,765
Total	1,292,260	\$227,307,259	557,370

2021 totals			
operator	1,400,950	#VALUE!	465,923
state	#VALUE!	#VALUE!	112,190
total	#VALUE!	#VALUE!	578,113

Change			
operator	259,656	#VALUE!	5,319
state	#VALUE!	#VALUE!	15,425
total	#VALUE!	#VALUE!	20,744

**For section 6(f)**

Approved burden - Oper & State	1,292,260
This ICR burden - Oper & State	#VALUE!
Change	#VALUE!
Oper change	259,656

Inventory	Total	Class 1	Class 2	Class 3
Total - 2018 ICR	701,213	828	180,199	24,669
Total - 2021 ICR	753,544	885	159,269	22,612
Change	52,331	57	-20,930	-2,057
Percent change	7%	7%	-12%	-8%

**Changes in # of wells in Primacy states**

	Previous	This ICR
Class I wells	83%	83%
Class II	98%	98%
Class III sites	78%	84%
Class IV		
Class V	70%	70%

State change

#VALUE!

**Reasons for change**

ROCIS splits between Agency discretion (aka Program changes) and Agency estimate (aka adjustments). The rows below break out the Agency discretion change in hrs/resp/\$ by type of respondent. All other changes are Agency estimate

**For ICR bullets and ICRAS form**

<b>Program changes ("Agency discretion" in ROCIS)</b>	ROCIS category	Burden change	responses chang	Non-lab cost change	Notes
7520 burden changes -oper	Pr	-240	0		\$0 This is the savings associated with using the e-version of 7520-16. See Class V page
States gaining Class VI primacy	S/M	4,160	16		\$0 Assume ~80% of Class VI application burden is by states w/ new primacy (see Class VI page)
State savings due to Web-based data system and e-7520	S/M	-826	0		\$0 No more recordkeeping burden; some inventory savings due to e-7520-16
Total due to Agency discretion	S/M total	3,334	16		\$0
	Private total	-240	0		\$0

**Adjustments ("Agency estimate" in ROCIS) --only need this for ICR bullets, so just hours are calculated**

Permit applications (1-3)		285,529			In 2021, different assumptions source affected this greatly; operator only
Class VI applications		44,121			Big increase in apps expected per 45Q tax credit; operator only
Class IV/V closures		-5,806			In 2021, different assumptions source affected this greatly; operator only
Inventory-dependent changes (M&R)		-64,774			Sums monitoring, reporting, rkeeping rows; operator only (commensurate w/ Class VI)
Other changes		#VALUE!			Everything not included above (state changes and closures of all but 4/5, aquifer c)
Total adjustments		#VALUE!			

change (2018)  
 Inventory changed -2% since 2015  
 Inventory changed only 2% since 2015. Much smaller increase with increase in Class III sites (32%) since 2015  
 Inventory change  
 Inventory changed 3% since 2015; assume no additional number of permit applications (biggest component)

change (2018)  
 Inventory split changed (WY fix); added 2 new H apps to review  
 Inventory to revising assumed number of permit applications  
 Inventory change

Inventory number of permit applications to review and states apply  
 Inventory as to number of primacy states per QA. No more e-r

Class 5	Class 3 sites
495,517	225
570,778	300
75,261	75
15%	33%

Kyle's Summary Table

	2018
Respondents	40,168
Burden	1,292,260
Total Cost	\$227,307,259
O&M Cost	\$168,345,558
Labor Cost	\$58,961,701

Re

y estimate.

e; only # hours changes. States get a savings too (see sta  
s VI assumptions page)

ss I - III inventory drop)  
 exemptions)

**Exhibit 6-2: Annual Reporting Burden by Form (Operators)  
2022-2024**

Form	Well classes responding	Unit burden/response	Number of responses	Total burden (this class)	Total burden (this form)	Notes
7520-6: UIC Permit Application	I-H	215	36	5,631	261,456	The number of responses equals the number of permit applications/year; not all applicants perform all permit application-related activities, so these numbers may not appear to total.
	I-NH	104	73	7,244		
	II	61	5,956	242,607		
	III	123	44	4,939		
	V	104	10	1,036		
7520-7: Application to Transfer Permit/Ownership	I-H	2.9	1	3	1,165	The ICR assumes that a portion of the occasional notifications to the Director are permit transfer applications.
	I-NH	3.9	1	4		
	II	4.7	239	1,115		
	III	5.8	8	44		
7520-8: Injection Well Monitoring Report	I-H	24.7	291	7,188	63,245	
	I-NH	14.4	1,573	22,635		
	III	27.9	1,200	33,421		
7520-11: Annual Class II Disposal/Injection Well Monitoring Report	II	29.7	4,698	139,621	139,621	
7520-16: Inventory of Class V Injection Wells	V	0.4	19,348	6,613	6,613	
7520-17: Class V Pre-Closure and Post-Closure Notification Form	V	1.4	71	96	96	The number of responses includes closures of Class IV/endangering Class V wells.

These are Exhibits 6-1, 6-2, 6-3, and 6-7 in the ICR. No inputs to this sheet are needed; every cell references another sheet.

**Exh 6.1 A: Class 1**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	151,032	#VALUE!	\$84,170,257	#VALUE!	8,701.1	17.36	#VALUE!
Primacy States	#VALUE!	#VALUE!	\$0	#VALUE!	2,798.4	#VALUE!	#VALUE!
DI Programs	19,885	\$913,101	\$0	\$913,101	815.8	24.37	\$1,119.27
<b>Total</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$84,170,257</b>	<b>#VALUE!</b>	<b>12,315.3</b>	<b>#VALUE!</b>	<b>#VALUE!</b>

**Exh 6.1 B: Class 2**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	1,073,400	\$56,894,584	\$109,321,614	\$166,216,198	418,055.8	2.57	\$397.59
Primacy States	132,980	\$6,106,460	\$0	\$6,106,460	92,357.6	1.44	\$66.12
DI Programs	5,938	\$272,682	\$0	\$272,682	5,111.9	1.16	\$53.34
<b>Total</b>	<b>1,212,319</b>	<b>\$63,273,726</b>	<b>\$109,321,614</b>	<b>\$172,595,339</b>	<b>515,525.3</b>	<b>2.35</b>	<b>\$334.80</b>

**Exh 6.1 C: Class 3**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	101,513	\$4,995,581	\$5,279,655	\$10,275,236	10,562.0	9.61	\$972.85
Primacy States	4,483	\$205,865	\$0	\$205,865	1,571.5	2.85	\$131.00
DI Programs	215	\$9,886	\$0	\$9,886	161.3	1.33	\$61.28
<b>Total</b>	<b>106,212</b>	<b>\$5,211,332</b>	<b>\$5,279,655</b>	<b>\$10,490,987</b>	<b>12,294.8</b>	<b>8.64</b>	<b>\$853.29</b>

**Exh 6.1 D: Class 4**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	698	\$20,042	\$0	\$20,042	141.5	4.93	\$141.64
Primacy States	56	\$2,549	\$0	\$2,549	55.5	1.00	\$45.92
DI Programs	15	\$700	\$0	\$700	15.3	1.00	\$45.92
<b>Total</b>	<b>769</b>	<b>\$23,291</b>	<b>\$0</b>	<b>\$23,291</b>	<b>212.3</b>	<b>3.62</b>	<b>\$109.74</b>

**Exh 6.1 E: Class 5**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	24,657	\$682,927	\$8,722,675	\$9,405,602	28,232.5	0.87	\$333.15
Primacy States	7,938	\$364,494	\$0	\$364,494	14,617.7	0.54	\$24.94
DI Programs	3,242	\$148,889	\$0	\$148,889	6,229.7	0.52	\$23.90
<b>Total</b>	<b>35,837</b>	<b>\$1,196,310</b>	<b>\$8,722,675</b>	<b>\$9,918,985</b>	<b>49,079.9</b>	<b>0.73</b>	<b>\$202.10</b>

**Exh 6.1 F: Class 6**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Operators	49,649	\$5,651,568	\$68,575,264	\$74,226,832	230.3	215.61	\$322,351.62
Primacy States	6,951	\$319,198	\$0	\$319,198	22.3	311.25	\$14,292.43
DI Programs	9,060	\$416,028	\$0	\$416,028	43.1	210.37	\$9,660.08
<b>Total</b>	<b>65,660</b>	<b>\$6,386,794</b>	<b>\$68,575,264</b>	<b>\$74,962,058</b>	<b>295.7</b>	<b>222.07</b>	<b>\$253,535.71</b>

**Exh 6.1 G: All Classes**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response
Class 1 operators	151,032	#VALUE!	\$84,170,257	#VALUE!	8,701.1	17.36	#VALUE!
Class 2 operators	1,073,400	\$56,894,584	\$109,321,614	\$166,216,198	418,055.8	2.57	\$397.59
Class 3 operators	101,513	\$4,995,581	\$5,279,655	\$10,275,236	10,562.0	9.61	\$972.85
Class 4 operators	698	\$20,042	\$0	\$20,042	141.5	4.93	\$141.64
Class 5 operators	24,657	\$682,927	\$8,722,675	\$9,405,602	28,232.5	0.87	\$333.15
Class 6 operators	49,649	\$5,651,568	\$68,575,264	\$74,226,832	230.3	215.61	\$322,351.62
<b>All Classes</b>	<b>1,400,950</b>	<b>#VALUE!</b>	<b>\$276,069,465</b>	<b>#VALUE!</b>	<b>465,923</b>	<b>3.01</b>	<b>#VALUE!</b>

Respondents  
466  
38  
8  
512

Respondents  
15,927  
46  
6  
15,979

Respondents  
300  
38  
8  
346

Respondents  
71  
38  
8  
117

Respondents  
20,837  
38  
8  
20,883

Respondents  
17.3  
5.0  
1.0  
**23.3**

Respondents  
466  
15,927  
300  
71  
20,837  
17  
**37,618**

**Exhibit 6.3 Annual Primacy Agency Burden and Cost**

Program Type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response	Respondents
Class 1 Primacy	#VALUE!	#VALUE!	\$0	#VALUE!	2,798.4	#VALUE!	#VALUE!	38
Class 2 Primacy	132,980	\$6,106,460	\$0	\$6,106,460	92,357.6	1.44	\$66.12	46
Class 3 Primacy	4,483	\$205,865	\$0	\$205,865	1,571.5	2.85	\$131.00	38
Class 4 Primacy	56	\$2,549	\$0	\$2,549	55.5	1.00	\$45.92	38
Class 5 Primacy	7,938	\$364,494	\$0	\$364,494	14,617.7	0.54	\$24.94	38
Class 6 Primacy	6,951	\$319,198	\$0	\$319,198	22.3	311.25	\$14,292.43	5
<b>Subtotal -oper oversight</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$0</b>	<b>#VALUE!</b>	<b>111,423.1</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	59
States as Respondents	66,936	\$3,073,678	\$0	\$3,073,678	767.0	87.27	\$4,007.40	59
<b>Total</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$0</b>	<b>#VALUE!</b>	<b>112,190.1</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	

**Exh 6.5 Annual Agency Burden and Cost**

Program Type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response	Respondents
Class I DI	19,885	\$913,101	\$0	\$913,101	815.8	24.37	\$1,119.27	10
Class II DI	5,938	\$272,682	\$0	\$272,682	5,111.9	1.16	\$53.34	10
Class III DI	215	\$9,886	\$0	\$9,886	161.3	1.33	\$61.28	10
Class IV DI	15	\$700	\$0	\$700	15.3	1.00	\$45.92	10
Class V DI	3,242	\$148,889	\$0	\$148,889	6,229.7	0.52	\$23.90	10
Class VI DI	9,060	\$416,028	\$0	\$416,028	43.1	210.37	\$9,660.08	1
HQ Activities	4,160	\$191,027	\$0	\$191,027	1.0	4,160	\$191,027	11
<b>Total</b>	<b>42,516</b>	<b>\$1,952,314</b>	<b>\$0</b>	<b>\$1,952,314</b>	<b>12,378.1</b>	<b>3.43</b>	<b>\$157.72</b>	10
DI Total	38,356	\$1,761,287	\$0	\$1,761,287	12,377.1	3.10	\$142.30	

**Exhibit 6.7 All Classes**

Respondent type	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Burd/ Resp	\$/ Response	Respondents
Operators	1,400,950	#VALUE!	\$276,069,465	#VALUE!	465,923.1	3.01	#VALUE!	37,618
Primacy States	#VALUE!	#VALUE!	\$0	#VALUE!	112,190.1	#VALUE!	#VALUE!	59
<b>Respondent total</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$276,069,465</b>	<b>#VALUE!</b>	<b>578,113.2</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>37,677</b>
Federal	42,516	\$1,952,314	\$0	\$1,952,314	12,378.1	3.43	\$157.72	11
<b>Total</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$276,069,465</b>	<b>#VALUE!</b>	<b>590,491.2</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>37,688</b>

<b>3-yr tot. (non-Fed)</b>	Burden	Labor Cost	O&M Cost	Total Cost	Responses
	#VALUE!	#VALUE!	\$828,208,394	#VALUE!	1,734,340
Per response	#VALUE!			#VALUE!	
Per respondent	#VALUE!			#VALUE!	

### Exhibit 6.6 Bottom Line Annual Burden and Cost

Number of Respondents	37,677 =	37,618 Operators (from EPA inventory) + 59 Primacy agencies
Total Annual Responses	578,113 =	465,923 Operator responses (from Exhibit 6-1G) + 112,190 Primacy agency responses (from Exhibit 6-3)
Number of Responses per Respondent	15.3 =	578,113 Total annual responses from above/ 37,677 Total respondents from above
Total Respondent Hours	#VALUE! =	1,400,950 Operator burden hours (from Exhibit 6-1G) + #VALUE! Primacy agency burden hours (from Exhibit 6-3)
Hours per Response	#VALUE! =	#VALUE! Total annual hours from above/ 578,113 Total responses from above
Annual O&M and Capital Cost	\$276,069,465 =	\$276,069,465 Operator non-labor cost (from Exhibit 6-1G) + \$0 Primacy agency non-labor cost (from Exhibit 6-3)
Total Respondent Cost	#VALUE! =	#VALUE! Operator cost (from Exhibit 6-1G) + #VALUE! Primacy agency cost (from Exhibit 6-5)
Total Hours (Respondents)	#VALUE! =	#VALUE! Total respondent hours from above + 42,516 Total EPA hours (from Exhibit 6-5)
Total Cost (Respondents plus Agency)	#VALUE! =	#VALUE! Total respondent cost from above + \$1,952,314 Total EPA cost (from Exhibit 6-5)

**Table A-1A  
Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response						Total Hours and Costs			
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Startup Requirements (Per Permit Application)</b>											
<b>Requirements associated with permit applications</b>											
Read permit application directions.	One-time	0.0	0.25	0.25	0.00	0.5	\$38	\$0	36	18	\$1,379
Gather and submit description of activities requiring a permit, facility name and address, SIC codes, ownership & facility status, facility location, listing of relevant permits/construction approvals, description of the business.	One-time	3.0	2.0	9.0	5.8	19.8	\$1,176	\$0	36	711	\$42,354
In DI programs, gather and submit a list of land owners within one-quarter mile of the facility boundary.	One-time	4.0	0.0	0.0	1.2	5.2	\$422	\$0	6	32	\$2,609
Prepare and submit a map and tabulation of all wells within the AoR.	One-time	0.0	1.5	5.5	0.0	7.0	\$454	\$25,643	36	252	\$939,490
Prepare and submit AoR protocol.	One-time	0.0	0.0	1.3	0.0	1.3	\$73	\$993	36	47	\$38,388
Prepare and submit maps/cross sections of local and regional geology, USDWs.	One-time	0.0	1.5	16.0	0.0	17.5	\$1,043	\$53,239	36	630	\$1,954,133
Develop formation testing and stimulation programs & injection procedures.	One-time	0.0	2.0	5.0	1.0	8.0	\$506	\$7,642	36	287	\$293,332
Prepare and submit contingency plans for shut-ins or well failures.	One-time	0.0	3.0	10.0	1.9	14.9	\$915	\$297	36	537	\$43,650
Prepare and submit ambient monitoring plan.	One-time	0.0	3.0	0.0	0.0	3.0	\$287	\$5,010	36	106	\$190,665
Prepare and submit Corrective Action Plan.	One-time	0.0	2.0	3.0	2.2	7.2	\$435	\$12,694	36	259	\$472,650
Prepare and submit descriptions of logs and tests, construction schematics & operating data.	One-time	0.0	2.0	8.0	4.8	14.8	\$801	\$6,368	36	533	\$258,084
Prepare and submit closure plan, including demonstration of financial responsibility.	One-time	0.0	1.0	3.0	2.1	6.1	\$336	\$1,877	36	221	\$79,637
Prepare and submit post-closure care plan.	One-time	0.0	1.4	2.0	1.3	4.7	\$291	\$2,310	36	169	\$93,623
Prepare and submit information to support an aquifer exemption request.	One-time	0.0	2.5	17.0	0.5	20.0	\$1,213	\$2,310	6.1	122	\$21,555

**Table A-1A  
Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response						Total Hours and Costs			
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Requirements for active hazardous waste facilities</b>											
Gather and submit dates of well operation and specific waste information.	One-time	0.0	0.0	26.6	10.9	37.5	\$1,852	\$9,680	36	1,351	\$415,126
Gather and submit hazardous waste release information.	One-time	0.0	1.9	30.4	21.9	54.2	\$2,609	\$4,840	0	0	\$0
Develop waste analysis plan.	One-time	0.0	1.9	15.2	1.8	18.9	\$1,097	\$3,227	36	681	\$155,645
Prepare construction logging/testing schedule.	One-time	0.0	0.0	0.5	0.5	1.0	\$44	\$0	36	35	\$1,578
<b>Requirements associated with completion reports</b>											
Prepare and submit completion report.	One-time	0.0	0.0	1.5	2.4	3.9	\$164	\$0	36	142	\$5,916
Submit results of deviation checks, other logs & tests; sample formation fluids; test injection and confining zones.	One-time	0.0	0.0	6.0	1.0	7.0	\$369	\$39,059	36	251	\$1,419,377
Demonstrate mechanical integrity.	One-time	0.0	2.0	18.0	0.0	20.0	\$1,204	\$25,473	36	720	\$960,358
Submit information on the anticipated maximum pressure and flow rate.	One-time	0.0	0.0	2.0	0.0	2.0	\$112	\$170	36	72	\$10,151
Submit formation testing results.	One-time	0.0	1.0	4.0	0.0	5.0	\$321	\$42,455	36	180	\$1,539,952
Submit actual injection procedure.	One-time	0.0	0.0	1.0	0.0	1.0	\$56	\$170	36	36	\$8,132
Demonstrate hydrogeologic compatibility/compatibility of well materials.	One-time	0.0	2.0	6.0	0.0	8.0	\$531	\$8,491	36	288	\$324,782
Prepare and submit information on calculated AoR.	One-time	0.0	0.0	2.0	0.0	2.0	\$112	\$3,396	36	72	\$126,308
<b>No-migration petition requirements</b>											
Submit waste information and modeling data to demonstrate that wastes will not migrate from injection zone.	One-time	0.0	24.0	120.0	30.0	174.0	\$10,047	\$891,555	36	6,264	\$32,457,677
<b>Requirements associated with permit renewals/modifications and petition modifications</b>											
Submit updated permit application attachments.	Occasional	0.0	9.0	41.5	21.0	71.5	\$3,892	\$12,567	12	858	\$197,506
Request Permit Modification.	One-time	0.0	2.0	6.0	2.0	10.0	\$597	\$7,302	3	30	\$23,696
Prepare and submit Petition Modification.	One-time	0.0	24.0	120.0	30.0	174.0	\$10,047	\$843,966	6	1,044	\$5,124,081

**Table A-1A  
Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response						Total Hours and Costs			
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Monitoring/Testing Requirements (Per Facility)</b>											
Use continuous recording devices to monitor injection pressure, flow rate, volume, and temperature.	Continuous	0.0	0.0	5.7	0.0	5.7	\$320	\$0	73	414	\$23,215
Conduct chemical monitoring of injectate as prescribed in waste analysis plan.	As specified in WAP	0.0	0.0	38.0	0.0	38.0	\$2,131	\$5,095	291	11,040	\$2,099,177
Conduct additional chemical monitoring as specified by the Director.	Varies	0.0	0.0	7.6	0.0	7.6	\$426	\$1,019	29	221	\$41,984
Conduct casing pressure test and radioactive tracer survey of bottom-hole cement.	Annual	0.0	3.8	5.2	0.0	9.0	\$661	\$7,033	58	523	\$447,048
Conduct casing pressure test, radioactive tracer of bottom-hole cement, & noise/temperature logs to check for movement along the borehole.	Every 5 years	0.0	1.0	7.0	0.0	8.0	\$490	\$48,399	15	116	\$710,168
Conduct casing inspection log at workover.	Occasional	0.0	3.8	8.0	0.0	11.8	\$818	\$8,440	4	43	\$33,619
Conduct pressure fall-off test.	Annual	0.0	6.0	18.0	0.0	24.0	\$1,592	\$19,693	73	1,743	\$1,545,941
Conduct ambient monitoring.	Annual	0.0	0.4	1.9	0.0	2.3	\$143	\$6,793	73	166	\$503,791
<b>Reporting Requirements (Per Facility)</b>											
Prepare and submit report on maximum injection pressure, total injectate volume, and monitoring and testing results.	Quarterly	0.0	4.0	15.0	5.7	24.7	#VALUE!	\$0	291	7,188	#VALUE!
Prepare and submit MIT report.	Annual	0.0	1.0	2.0	1.0	4.0	#VALUE!	\$1,528	73	291	#VALUE!
Notify Director of: any planned physical changes to facility, changes that may result in noncompliance, permit transfers, planned workovers, USDW endangerment.	Occasional	0.0	1.0	2.0	3.0	6.0	#VALUE!	\$0	1	4	#VALUE!
Prepare and submit revised plugging and abandonment cost estimate.	Annual	0.0	1.0	0.0	0.0	1.0	#VALUE!	\$0	73	73	#VALUE!
Report on: events exceeding operating parameters or triggering alarms; changes in annular fluid volume; workovers or other testing; or permit transfers.	Occasional	0.0	1.0	1.0	0.9	2.9	\$182	\$0	4	10	\$661

**Table A-1A  
Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response						Total Hours and Costs			
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Recordkeeping Requirements (Per Facility)</b>											
Maintain monitoring information, calibration & maintenance records, required reports, application data, monitoring results, and most recent plugging & abandonment cost estimate.	3 years	0.0	0.0	0.0	5.0	5.0	\$164	\$0	73	363	\$11,947
<b>Closure Requirements (Per Well)</b>											
Prepare and submit notice of intent to close.	One-time	0.0	0.5	0.0	1.0	1.5	\$81	\$0	1	2	\$81
Prepare and submit closure report.	One-time	0.0	2.0	8.0	0.0	10.0	\$643	\$3,396	1	10	\$4,039
Conduct pressure fall-off test.	One-time	0.0	1.0	5.0	0.0	6.0	\$378	\$19,693	1	6	\$20,070
Demonstrate mechanical integrity.	One-time	0.0	2.0	18.0	0.0	20.0	\$1,204	\$31,789	1	20	\$32,993
Notify state or local zoning or drilling authorities and Regional Administrator following closure.	One-time	0.0	0.5	1.0	3.0	4.5	\$203	\$0	1	5	\$203
<b>TOTAL</b>									<b>2,065</b>	<b>38,187</b>	<b>#VALUE!</b>
Notes: (A) EPA assumes that occasional notification will be in (B) EPA assumes that there are no start-up costs; all n EPA assumes one well per facility for start-up and closu Numbers may not add due to rounding.											

**Table A-1A (continued)**  
**Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: States**

		A	B	C	D	E
		Hours and Costs per Response			Total Hours and Costs	
Description of Requirement	Frequency (A)	Unit Burden (B)	Unit Labor Cost	Unit Nonlabor Cost	Number of State Responses	Total State Hours/Year
<b>Initial/Start-up</b>						
<b>Permit Applications</b>						
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.70 and prepare draft permit.	One-time	40.0	\$1,837	\$0	30	1,193
Provide public notice of issuance of a draft permit or intent to deny.	One-time	1.0	\$46	\$0	30	30
Consider public comments.	One-time	6.0	\$276	\$0	30	179
Issue final permit decision.	One-time	2.0	\$92	\$0	30	60
Respond to comments.	One-time	7.0	\$321	\$0	30	209
Review notice of completion of construction.	One-time	2.0	\$92	\$0	30	60
Review information related to aquifer exemption requests and forward to EPA region.	One-time	1.0	\$46	\$0	5	5
<b>No-Migration Petitions</b>						
Review and respond to petition request.	One-time	18.0	\$827	\$0	30	537
Public notice/public comment.	One-time	10.0	\$459	\$0	30	298
Review and respond to petition modification request.	One-time	10.0	\$459	\$0	5	50
<b>Permit renewals/modifications</b>						
Review and respond to requests for permit modifications or re-issuance.	Occasional	30.0	\$1,378	\$0	10	298

**Table A-1A (continued)**  
**Annual Paperwork Burden and Costs Associated with Class I Hazardous Wells: States**

		Hours and Costs per Response			Total Hours and Costs	
		Unit Burden (B)	Unit Labor Cost	Unit Nonlabor Cost	Number of State Responses	Total State Hours/Year
<b>Monitoring/Testing</b>						
Review quarterly monitoring and testing results.	Quarterly	1.5	\$69	\$0	241	361
Review casing pressure test and radioactive tracer survey of bottom-hole cement.	Annual	4.0	\$184	\$0	48	193
Review casing pressure test, radioactive tracer survey of bottom-hole cement, and logs.	Every 5 years	4.0	\$184	\$0	12	48
Review pressure fall-off test.	Annual	2.0	\$92	\$0	46	93
<b>Other Reporting</b>						
Respond to periodic notifications by owners and operators.	Occasional	2.0	\$92	\$0	5	10
<b>Closure</b>						
Review closure and post-closure plans prior to approving plugging and abandonment.	One-time	2.0	\$92	\$0	1	2
Witness and review pressure fall-off test prior to authorizing closure.	One-time	24.0	\$1,102	\$0	1	24
<b>TOTAL</b>					<b>706</b>	<b>3,648</b>

Notes:

(A) For quarterly activities, the number of responses = number of facilities X 4.

(B) EPA assumes one well per facility for start-up and closure activities; and 1.9 wells per facility for all other activities. Regions review 17 percent of MITs and 23 percent of pressure fall-off tests in primacy states.

Numbers may not add due to rounding.

F
<b>Total State Cost/Year</b>
\$54,768
\$1,369
\$8,215
\$2,738
\$9,584
\$2,738
\$233
\$24,645
\$13,692
\$2,282
\$13,692

F
<b>Total State Cost/Year</b>
\$16,574
\$8,840
\$2,210
\$4,254
\$456
\$92
\$1,102
<b>\$167,532</b>

**Table A-1B  
Annual Paperwork Burden and Costs Associated with Class I Nonhazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response						Total Hours and Costs			
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Startup Requirements (Per Permit A)</b>											
<b>Requirements associated with permit applica</b>											
Read permit application directions.	One-time	0.0	0.25	0.25	0.00	0.5	\$38	\$0	73	37	\$2,796
Gather and submit description of activities requiring a permit, facility name & address, SIC codes, ownership & facility status, facility location, list of relevant permits/construction approvals, description of the business.	One-time	3.0	2.0	9.0	5.8	19.8	\$1,179	\$0	73	1,448	\$86,071
In DI programs, gather and submit a list of landowners within 1/4 mile of the facility boundary.	One-time	4.0	0.0	0.0	1.2	5.2	\$423	\$0	13	65	\$5,298
Prepare and submit a map and tabulation of all wells within the AoR.	One-time	0.0	1.5	5.5	0.0	7.0	\$454	\$20,514	73	511	\$1,530,691
Prepare and submit maps/cross sections of local and regional geology, USDWs.	One-time	0.0	1.5	16.0	0.0	17.5	\$1,043	\$53,239	73	1,278	\$3,962,547
Prepare and submit descriptions of logs and tests, construction schematics and operating data.	One-time	0.0	2.0	8.0	2.4	12.4	\$723	\$6,368	73	908	\$517,652
Develop formation testing and stimulation programs and injection procedures.	One-time	0.0	2.0	7.0	1.0	10.0	\$619	\$7,642	73	728	\$603,031
Prepare and submit contingency plans for shut-ins or well failures.	One-time	0.0	3.0	10.0	1.9	14.9	\$916	\$297	73	1,091	\$88,574
Prepare and submit ambient monitoring plan.	One-time	0.0	3.0	3.0	2.9	8.9	\$556	\$5,010	73	651	\$406,269
Prepare and submit Corrective Action Plan.	One-time	0.0	2.0	3.0	2.2	7.2	\$436	\$9,765	73	528	\$744,655
Prepare and submit closure plan, including demonstration of financial responsibility.	One-time	0.0	1.0	3.0	2.1	6.1	\$336	\$1,877	73	448	\$161,486
Prepare and submit information to support an aquifer exemption request.	One-time	0.0	2.5	17.0	0.5	20.0	\$0	\$0	12.4	248	\$0

**Table A-1B  
Annual Paperwork Burden and Costs Associated with Class I Nonhazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response					Total Hours and Costs				
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Requirements associated with completion rep</b>											
Prepare and submit completion report.	One-time	0.0	0.0	1.5	2.4	3.9	\$163	\$0	73	285	\$11,922
Prepare and submit a report of deviation checks and other logs and tests during construction.	One-time	0.0	0.0	6.0	1.0	7.0	\$368	\$39,059	73	508	\$2,878,151
Demonstrate mechanical integrity.	One-time	0.0	2.0	3.5	0.0	5.5	\$391	\$11,038	73	402	\$834,305
Submit information on the anticipated maximum pressure and flow rate.	One-time	0.0	0.0	2.0	0.0	2.0	\$112	\$170	73	146	\$20,584
Submit results of the formation testing program.	One-time	0.0	1.0	4.0	0.0	5.0	\$321	\$42,455	73	365	\$3,122,680
Submit actual injection procedure.	One-time	0.0	0.0	1.0	0.0	1.0	\$56	\$170	73	73	\$16,490
Demonstrate hydrogeologic compatibility/ compatibility of well materials.	One-time	0.0	2.0	6.0	0.0	8.0	\$531	\$8,491	73	584	\$658,585
<b>Requirements associated with permit renewa</b>											
Submit updated components of permit application attachments.	Occasional	0.0	8.0	11.0	2.0	21.0	\$1,460	\$5,944	20	420	\$148,068
Prepare and submit request for permit modification.	Occasional	0.0	2.0	6.0	0.0	8.0	\$531	\$4,246	5	40	\$23,881
<b>Monitoring/Testing Requirements (Per Faci</b>											
Analyze injected fluids.	Per permit	0.0	0.0	38.0	0.0	38.0	\$2,131	\$3,396	1,573	59,760	\$8,692,292
Monitor injection pressure, flow rate and volume, and annulus pressure.	Continuous	0.0	0.0	5.7	0.0	5.7	\$320	\$0	393	2,241	\$125,663
Demonstrate mechanical integrity.	Every 5 years	0.0	1.0	8.0	0.0	9.0	\$546	\$20,973	79	708	\$1,692,034
Conduct pressure fall-off test.	Annual	0.0	8.0	16.0	0.0	24.0	\$1,674	\$19,693	393	9,436	\$8,400,532
Conduct ambient monitoring.	Annual	0.0	0.4	1.5	0.0	1.9	\$122	\$6,793	393	747	\$2,718,665

**Table A-1B  
Annual Paperwork Burden and Costs Associated with Class I Nonhazardous Wells: Operators**

Description of Requirement	Frequency (A)	Hours and Costs per Response				Total Hours and Costs					
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost (B)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Reporting Requirements (Per Facility)</b>											
Report on: physical, chemical, and other characteristics of injected fluids; injection pressure, flow rate, and volume; and monitoring of USDWs.	Quarterly	0.0	0.0	4.0	10.4	14.4	\$566	\$0	1,573	22,635	\$890,438
Report results of ambient monitoring and pressure fall-off test.	Annual	0.0	2.0	6.0	4.0	12.0	\$662	\$1,406	393	4,718	\$813,217
Notify Director of: any planned physical changes to facility, changes that may result in noncompliance, permit transfers, planned workovers, possible endangerment to a USDW.	Occasional	0.0	1.0	2.0	3.0	6.0	\$308	\$0	20	118	\$6,054
Submit periodic updates of financial responsibility for closure that account for inflation.	Occasional	0.0	1.0	0.0	0.0	1.0	\$97	\$0	131	131	\$12,730
Report results of: any required mechanical integrity tests, other required tests, well workovers, or permit transfers.	Occasional	0.0	1.0	2.0	0.9	3.9	\$240	\$1,528	4	15	\$6,953
<b>Recordkeeping Requirements (Per Facility)</b>											
Maintain monitoring information, calibration & maintenance records, required reports, application data, and monitoring results.	At least 3 years	0.0	0.0	0.0	4.0	4.0	\$132	\$0	393	1,573	\$51,737
<b>Closure Requirements (Per Well)</b>											
Notify the Director before conversion or abandonment of the well or closure of the project.	One-time	0.0	0.5	0.0	1.0	1.5	\$81	\$0	1	2	\$81
<b>TOTAL</b>									<b>6,636</b>	<b>112,846</b>	<b>\$ 39,234,131</b>

Notes:

(A) EPA assumes that occasional notification will be included in the next quarterly report except where required within 24 hours.

(B) EPA assumes that there are no start-up costs; all non-labor costs are O & M costs.

EPA assumes one well per facility for start-up and closure activities; and 1.9 wells per facility for monitoring, testing and reporting.

Numbers may not add due to rounding.

**Table A-1B (continued)**  
**Annual Paperwork Burden and Costs Associated with Class I Nonhazardous Wells: States**

		A	B	C	D	E	
		Hours and Costs per Response			Total Hours and Cost		
Description of Requirement	Frequency (A)	Unit Burden (B)	Unit Labor Cost	Unit Non-Labor Cost	Number of State Responses	Total State Hours/Year	Total State Cost/Year
<b>Initial/Start-up</b>							
<b>Permit applications</b>							
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.14 and issue notice of intent to deny.	One-time	20.0	\$918	\$0	6	121	\$5,553
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.14 and prepare draft permit.	One-time	40.0	\$1,837	\$0	54	2,177	\$99,951
Provide public notice of issuance of a draft permit or intent to deny.	One-time	1.0	\$46	\$0	60	60	\$2,776
Consider public comments.	One-time	6.0	\$276	\$0	60	363	\$16,659
Issue final permit decision.	One-time	2.0	\$92	\$0	60	121	\$5,553
Respond to comments.	One-time	7.0	\$321	\$0	60	423	\$19,435
Review notice of completion of	One-time	2.0	\$92	\$0	60	121	\$5,553
Review information related to aquifer exemption requests and forward to EPA region	One-time	1.0	\$46	\$0	10	10	\$472
<b>Permit renewals/modifications</b>							

**Table A-1B (continued)**  
**Annual Paperwork Burden and Costs Associated with Class I Nonhazardous Wells: States**

		A	B	C	D	E	
		Hours and Costs per Response			Total Hours and Cost		
Description of Requirement	Frequency (A)	Unit Burden (B)	Unit Labor Cost	Unit Non-Labor Cost	Number of State Responses	Total State Hours/Year	Total State Cost/Year
Review and respond to requests for permit modifications or re-issuance.	Occasional	30.0	\$1,378	\$0	17	497	\$22,820
<b>Monitoring/Testing</b>							
Review casing pressure test and logs.	Every 5 years	4.0	\$184	\$0	65	261	\$11,962
Review pressure fall-off test.	Annual	2.0	\$92	\$0	326	651	\$29,906
Review monitoring data submitted by operators.	Quarterly	2.0	\$92	\$0	1,303	2,605	\$119,624
<b>Other Reporting</b>							
Respond to periodic notifications by owners and operators.	Occasional	1.0	\$46	\$0	8	8	\$380
<b>Closure</b>							
Review plugging and abandonment report.	One-time	1.0	\$46	\$0	1	1	\$46
<b>TOTAL</b>					<b>2,092</b>	<b>#VALUE!</b>	<b>#VALUE!</b>

Notes:

(A) For quarterly activities, the number of responses = number of facilities X 4.

(B) EPA assumes one well per facility for start-up and closure activities; and 1.9 wells per facility for all other activities.

Regions review 17 percent of MITs and 23 percent of pressure fall-off tests in primacy states.

Numbers may not add due to rounding.

**Table A-2  
Annual Paperwork Burden and Costs Associated with Class II Wells: Operators**

		Hours and Costs per Response						Total Hours and Costs			
		A	B	C	D	E	F				
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Start-up Requirements</b>											
<b>Requirements associated with permit applications (Per Permit Application)</b>											
Read permit application directions.	One-time	0.0	0.0	0.5	0.5	1.0	\$44	\$0	5,956	5,832	\$260,892
Gather and submit: description of activities requiring a permit, facility name & address, SIC codes, ownership and facility status, facility location, listing of relevant permits or construction approvals, topographic maps, description of the business.	One-time	0.1	0.0	1.0	0.4	1.5	\$78	\$0	5,956	8,835	\$466,298
For DI programs, gather and submit a list of all land owners within one quarter mile of the facility boundary.	One-time	0.2	0.0	0.0	1.0	1.2	\$51	\$214	130	151	\$34,429
Prepare and submit plugging and abandonment plan.	One-time	0.0	0.6	4.8	0.6	6.0	\$346	\$0	5,956	35,574	\$2,062,464
Show evidence of financial responsibility for closure.	One-time	0.0	5.0	5.0	9.6	19.6	\$1,081	\$0	5,956	116,646	\$6,440,656
Prepare and submit proposed Corrective Action Plan.	One-time	0.0	0.3	2.9	0.2	3.4	\$198	\$0	596	2,020	\$117,966
Prepare and submit revised Corrective Action Plan.	One-time	0.0	1.0	9.6	0.7	11.3	\$658	\$0	119	1,343	\$78,324
Prepare and submit Area of Review map. (State/DI Program performs study)	One-time	0.0	0.0	1.0	0.0	1.0	\$56	\$42	1,324	1,324	\$130,462
Prepare and submit Area of Review map and study.	One-time	0.0	0.1	2.9	1.9	4.9	\$235	\$232	1,123	5,550	\$524,287
Prepare and submit proposed operating data.	One-time	0.0	0.1	1.8	0.1	2.0	\$114	\$0	5,956	11,887	\$677,797
Prepare and submit geological data on the injection and confining zone.	One-time	0.0	0.5	8.0	1.0	9.5	\$529	\$0	5,956	56,335	\$3,148,909
Prepare and submit name and depth to bottom of USDWs.	One-time	0.0	0.1	2.3	0.1	2.5	\$142	\$255	5,956	14,865	\$2,361,959
Prepare and submit schematic of the well.	One-time	0.0	0.0	2.8	0.2	3.0	\$163	\$0	5,956	17,819	\$972,703
Prepare and submit information to support an aquifer exemption request.	One-time	0.0	2.5	17.0	0.5	20.0	\$1,213	\$0	179	3,574	\$216,659

**Table A-2  
Annual Paperwork Burden and Costs Associated with Class II Wells: Operators**

		Hours and Costs per Response						Total Hours and Costs			
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Requirements associated with completion reports (Per Well)</b>											
Prepare and submit completion report.	One-time	0.0	0.0	1.5	1.8	3.3	\$142	\$0	5,658	18,439	\$803,319
Perform and report on appropriate logs and other tests during construction.	One-time	0.0	0.2	1.9	0.2	2.4	\$139	\$5,095	849	2,037	\$4,441,804
Demonstrate mechanical integrity.	One-time	0.0	0.0	7.0	0.0	7.0	\$393	\$229	5,658	39,607	\$3,518,143
<b>Requirements associated with permit reviews/modifications (Per Permit/Per Operator)</b>											
						0.0					
Respond to issues raised during permit review.	Every 5 years	0.0	0.5	2.0	0.5	3.0	\$177	\$0	1,593	4,778	\$282,171
Prepare and submit request for permit modification.	Occasional	0.0	0.4	2.8	0.8	4.0	\$222	\$0	773	3,092	\$171,746
<b>Monitoring/Testing Requirements (Per Operator)</b>											
Monitor the nature of injected fluids.	As necessary to obtain	0.0	0.0	2.0	0.0	2.0	\$112	\$51	63,708	127,415	\$10,390,378
Record injection pressure, flow rate, and cumulative volume.	At least every 30 days.	0.0	0.0	0.6	0.3	0.8	\$41	\$0	191,123	160,543	\$7,762,126
Demonstrate mechanical integrity.	Every 5 years	0.0	0.0	3.0	0.0	3.0	\$168	\$2,293	43,003	129,008	\$105,820,579
<b>Reporting Requirements (Per Operator)</b>											
Gather and submit groundwater monitoring data, analyses of injected fluids, a description of geologic strata, and other items as requested.	Annual	0.0	3.0	22.0	4.7	29.7	\$1,680	\$0	4,698	139,621	\$7,894,184
In DI programs, notify Regional Administrator 30 days prior to MIT.	Every 5 years	0.0	0.0	0.5	0.5	1.0	\$44	\$0	37	37	\$1,640
Notify Director of: any planned physical changes to facility, changes that may result in noncompliance, permit transfers, planned workovers, possible endangerment to a USDW.	Occasional	0.0	1.0	1.5	2.2	4.7	\$253	\$0	956	4,461	\$241,360
Report monitoring data, including monthly records of injected fluids, any changes in characteristics or sources of injected fluids.	Annual	0.0	0.0	3.3	1.7	5.0	\$242	\$0	15,927	79,635	\$3,849,030
Report MIT results.	Annual	0.0	0.0	1.0	0.0	1.0	\$56	\$0	15,927	15,927	\$893,091

**Table A-2  
Annual Paperwork Burden and Costs Associated with Class II Wells: Operators**

		Hours and Costs per Response							Total Hours and Costs		
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Recordkeeping Requirements (Per Operator)</b>											
Retain records of permitting data, nature and composition of injected fluids, and all monitoring results.	At least 3 years	0.0	0.0	1.0	3.0	4.0	\$155	\$0	15,927	63,708	\$2,465,013
<b>Closure Requirements (Per Operator)</b>											
In DI programs, notify director of revisions to plugging and abandonment plan.	One-time	0.0	0.5	2.5	1.0	4.0	\$222	\$0	0	1	\$51
Notify the Director before conversion or abandonment of the well, or in the case of area permits, before closure of the project.	One-time	0.0	1.0	0.0	2.0	3.0	\$163	\$0	1,044	3,132	\$170,102
In DI programs, submit a plugging and abandonment report within 60 days after plugging a well.	One-time	0.0	0.0	4.5	1.5	6.0	\$302	\$306	23	137	\$13,847
<b>Other Requirements (Per Operator)</b>											
In DI programs, submit revised demonstration of financial responsibility.	Occasional	0.0	0.5	0.5	1.0	2.0	\$110	\$0	35	70	\$3,809
<b>TOTALS</b>									<b>418,056</b>	<b>1,073,400</b>	<b>\$ 166,216,198</b>
Note: Numbers may not add due to rounding.											

**Table A-2 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class II Wells: States**

	A	B	C	D	E	F	
	Hours and Costs per Response			Total Hours and Cost			
Description of Requirement	Frequency	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Start-up</b>							
<b>Permit applications (Per Permit Application)</b>							
Review permit application and supporting documentation and prepare draft permit.	One-time	6.0	\$276	\$0	5,826	34,956	\$1,605,162
Consider public comments.	One-time	2.0	\$92	\$0	5,826	11,652	\$535,054
Issue final permit decision.	One-time	2.0	\$92	\$0	5,826	11,652	\$535,054
Respond to comments.	One-time	4.0	\$184	\$0	5,826	23,304	\$1,070,108
Review operator's AoR map and study.	One-time	5.0	\$230	\$0	1,099	5,493	\$252,251
Review operator's AoR map and perform AoR study.	One-time	2.5	\$115	\$0	1,324	3,310	\$152,006
Review completion report.	One-time	2.0	\$92	\$0	5,535	11,069	\$508,301
Review information related to aquifer exemption requests and forward to EPA region.	One-time	1.0	\$46	\$0	166	166	\$7,625
<b>Permit reviews/modifications (Per Operator)</b>							
Review each permit to determine whether it should be modified, revoked and reissued, or terminated.	Every 5 years	1.0	\$46	\$0	1,558	1,558	\$71,539
Review request for permit modification or re-issuance.	Occasional	4.0	\$184	\$0	756	3,024	\$138,884
<b>Monitoring/Testing (Per Operator)</b>							
Review mechanical integrity test data submitted by operators.	Every 5 years	0.5	\$23	\$0	42,064	21,032	\$965,780
Review monitoring data submitted by operators.	Annual	0.3	\$11	\$0	15,579	3,895	\$178,848
<b>Recordkeeping</b>							
Maintain administrative record in DI programs.	One-time	1.0	\$46	\$0	0	0	\$0

**Table A-2 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class II Wells: States**

	A	B	C	D	E	F	
	Hours and Costs per Response			Total Hours and Cost			
Description of Requirement	Frequency	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Other Reporting (Per Operator)</b>							
Respond to periodic notifications by owners and operators.	Occasional	2.0	\$92	\$0	935	1,869	\$85,847
<b>Closure (Per Operator)</b>							
For DI programs, review plugging and abandonment report.	One-time	1.0	\$46	\$0	0	0	\$0
<b>TOTAL</b>					<b>92,358</b>	<b>132,980</b>	<b>\$6,106,460</b>
Note: Numbers may not add due to rounding							

**Table A-3  
Annual Paperwork Burden and Costs Associated with Class III Wells: Operators**

		Hours and Costs per Response							Total Hours and C	
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	No of Responses	Total Hours/Year
<b>Initial/Start-up Requirements</b>										
<b>Requirements associated with permit applications (Per Permit Application)</b>										
Read permit application directions.	One-time	0.0	0.0	0.5	0.5	1.0	\$44	\$0	44	43
Gather and submit: a description of activities requiring a permit; facility name and address; SIC codes; ownership and facility status; facility location; and listing of relevant permits or construction approvals.	One-time	0.5	2.0	4.7	2.7	9.9	\$595	\$0	44	436
For DI programs, gather and submit a list of all land owners within one quarter mile of the facility boundary.	One-time	0.2	0.0	0.0	1.0	1.2	\$51	\$214	4.5	5
Prepare and submit plugging and abandonment plan.	One-time	0.0	0.0	6.4	1.5	7.9	\$407	\$0	44	346
Show evidence of financial responsibility for closure.	One-time	0.0	0.5	1.0	1.9	3.4	\$169	\$0	44	151
Prepare and submit proposed Corrective Action Plan.	One-time	0.0	2.0	10.0	1.9	13.9	\$819	\$0	44	613
Prepare and submit revised Corrective Action Plan.	One-time	0.0	1.0	8.0	1.0	10.0	\$578	\$0	0.9	9
Prepare and submit AoR map and study.	One-time	0.0	3.2	25.5	3.3	31.9	\$1,846	\$1,265	44	1,404
Prepare and submit maps and cross-sections of USDWs within AoR, local geology, and regional geology.	One-time	0.0	0.0	18.0	3.9	21.9	\$1,137	\$255	44	963
Prepare and submit proposed operating data, formation testing program, stimulation program, and injection procedure.	One-time	0.0	2.0	6.0	1.0	9.0	\$563	\$0	44	395
Prepare and submit schematic of the well.	One-time	0.0	0.0	4.2	0.8	5.0	\$261	\$0	44	219
Prepare and submit monitoring plan.	One-time	0.0	0.0	12.0	3.9	15.9	\$801	\$0	44	699
Prepare and submit information to support an aquifer exemption request.	One-time	0.0	2.5	17.0	0.5	20.0	\$1,213	\$0	0.4	9
<b>Requirements associated with completion reports (Per Facility)</b>						0.0				
Prepare and submit completion form and supporting documentation.	One-time	0.0	0.0	1.5	2.4	3.9	\$163	\$0	44	172
Prepare and submit reports of appropriate logs and tests during construction.	One-time	0.0	0.2	1.9	0.2	2.4	\$139	\$5,828	44	105
Demonstrate mechanical integrity.	One-time	0.0	16.1	128.7	15.5	160.2	\$9,288	\$81,956	44	7,051
<b>Requirements associated with permit reviews/renewals/modifications (Per Permit/Per Facility)</b>										
Respond to issues raised during permit review.	Every 5 years	0.0	3.0	1.0	0.0	4.0	\$347	\$0	60	240
Prepare and submit request for permit modification.	Occasional	0.0	2.0	22.0	4.0	28.0	\$1,560	\$0	1	28
<b>Monitoring/Testing Requirements (Per Facility)</b>										
Monitor the nature of injected fluids.	As necessary to obtain representative data	0.0	0.0	6.0	2.0	8.0	\$402	\$0	82	659
Monitor injection pressure and flow rate or volume of injected fluids, or meter and record injected and produced fluid volumes.	Semi-monthly/ Continuous	0.0	0.0	3.3	1.3	4.6	\$229	\$0	7,800	36,152
Demonstrate mechanical integrity.	Every 5 years	0.0	16.1	128.7	16.1	160.9	\$9,308	\$81,956	16	2,649
Monitor the fluid level in the injection zone where appropriate and monitor parameters chosen to measure water quality in the monitoring wells.	Semi-monthly/ monthly	0.0	0.0	27.5	3.0	30.5	\$1,641	\$0	476	14,512

**Table A-3  
Annual Paperwork Burden and Costs Associated with Class III Wells: Operators**

Description of Requirement	Frequency	Hours and Costs per Response						Total Hours and C		
		Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	No of Responses	Total Hours/Year
<b>Reporting Requirements (Per Facility)</b>										
Notify Director of: any planned physical changes to facility, changes that may result in noncompliance, permit transfers, planned workovers, possible endangerment to a USDW.	Occasional	0.0	1.0	3.0	1.8	5.8	\$325	\$0	30	175
Report to the Director on required monitoring, mechanical integrity tests, and other required tests.	Quarterly	0.0	1.0	10.0	16.9	27.9	\$1,212	\$0	1,200	33,421
<b>Recordkeeping Requirements (Per Facility)</b>										
Retain records of permitting data, calibration and maintenance data, and monitoring results.	At least 3 years	0.0	0.0	0.4	3.0	3.4	\$121	\$0	300	1,020
<b>Closure Requirements (Per Facility)</b>										
Notify the Director before conversion or abandonment of the well or in the case of area permits before closure of the project.	One-time	0.0	1.0	0.5	0.5	2.0	\$142	\$0	2	4
In DI programs, submit a plugging and abandonment report within 60 days after plugging a well or at the time of the next quarterly report.	One-time	0.0	0.0	0.8	0.3	1.0	\$50	\$0	0	0
<b>Other Requirements (Per Facility)</b>										
In DI programs, submit revised demonstration of financial responsibility.	Occasional	0.0	0.5	0.5	1.0	2.0	\$110	\$0	16	33
<b>TOTALS</b>									<b>10,562</b>	<b>101,513</b>

Note: Numbers may not add due to rounding.

F
osts
<b>Total Cost/Year</b>
\$1,937
\$26,194
\$1,193
\$17,897
\$7,417
\$36,033
\$508
\$136,871
\$61,244
\$24,758
\$11,488
\$35,232
\$534
\$7,180
\$262,539
\$4,014,719
\$20,849
\$1,560
\$33,113
\$1,787,838
\$1,502,572
\$780,665

F
osts
<b>Total Cost/Year</b>
\$9,760
\$1,454,714
\$36,338
\$283
\$10
\$1,792
<b>\$ 10,275,236</b>

**Table A-3 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class III Wells: States**

Program Oversight Activities	Hours and Costs per Response				Total Hours and Cost		
	Frequency	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Start-up</b>							
<b>Permit applications (Per Permit Application)</b>							
Consider the permit application, area of review, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures and issue notice of intent to deny.	One-time	20.0	\$918	\$0	39	790	\$36,276
Consider the permit application, area of review, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures and prepare draft permit.	One-time	40.0	\$1,837	\$0	39	1,580	\$72,552
Provide public notice of issuance of a draft permit or intent to deny.	One-time	2.0	\$92	\$0	39	79	\$3,628
Consider public comments.	One-time	8.0	\$367	\$0	39	316	\$14,510
Issue final permit decision.	One-time	10.0	\$459	\$0	39	395	\$18,138
Respond to comments.	One-time	15.0	\$689	\$0	39	592	\$27,207
Review completion report.	One-time	2.0	\$92	\$0	39	79	\$3,628
Review information related to aquifer exemption requests and forward to EPA region	One-time	1.0	\$46	\$0	0.0	0.0	\$0

**Table A-3 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class III Wells: States**

	Hours and Costs per Response				Total Hours and Cost		
	A	B	C	D	E	F	
<b>Program Oversight Activities</b>	<b>Frequency</b>	<b>Unit Burden</b>	<b>Unit Labor Cost</b>	<b>Unit Non-Labor Cost</b>	<b>Number of Responses</b>	<b>Total Hours/Year</b>	<b>Total Cost/Year</b>
<b>Permit reviews/modifications (Per Facility)</b>							
Review each permit to determine whether it should be modified, revoked and reissued, or terminated.	Every 5 years	4.0	\$184	\$0	54	215	\$9,893
Review request for permit modification or re-issuance.	Occasional	20.0	\$918	\$0	1	20	\$918
<b>Monitoring/Testing (Per Facility)</b>							
Review mechanical integrity test data submitted by operators.	Every 5 years	0.5	\$23	\$0	54	27	\$1,237
Review monitoring data submitted by operators.	Quarterly	0.25	\$11	\$0	1,077	269	\$12,367
<b>Other Reporting (Per Facility)</b>							
Respond to periodic notifications by owners and operators.	Occasional	4.0	\$184	\$0	30	120	\$5,510
<b>Recordkeeping (Per Facility)</b>							
Maintain administrative record (DI).	One-time	4.0	\$184	\$0	0	0	\$0
<b>Closure (Per Facility)</b>							
Review plugging and abandonment report (DI only).	One-time	4.0	\$184	\$0	0	0	\$0
<b>TOTAL</b>					<b>1,571</b>	<b>4,483</b>	<b>\$ 205,865</b>
Note: Numbers may not add due to rounding.							

**Table A-4**  
**Annual Paperwork Burden and Costs Associated with Class IV/Endangering Class V Wells: Operators**

		A	B	C	D	E	F				
		Hours and Costs per Response					Total Hours and Costs				
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Closure Requirements (Per Well)</b>											
Plug injection well.	One-time	0	0	7	1.5	8.5	\$247	\$0	71	601	\$17,463
Prepare and submit pre-closure notification (Form 7520-17)	One-time	0	0	0.5	0.86	1.4	\$36	\$0	71	96	\$2,579
<b>TOTAL</b>									<b>142</b>	<b>698</b>	<b>\$20,042</b>

Note:  
Numbers may not add due to rounding.

**Table A-4 (continued)**  
**Annual Burden and Costs Associated with Class IV/Endangering Class V Wells: State**

		A	B	C	D	E
		Hours and Costs per Response			Total Hours and Co	
Description of Requirement	Frequency	Unit Burden (A)	Unit Labor Cost	Unit Nonlabor Cost	Number of Responses	Total Hours/Year
<b>Closure</b>						
Review closure plan.	One-time	1.0	\$46	\$0	56	56
<b>TOTAL</b>					<b>56</b>	<b>56</b>

Note:  
Numbers may not add due to rounding.

\_\_\_\_\_

2S

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**F**

ist

**Total  
Cost/Year**

\_\_\_\_\_

\$2,549

**\$2,549**

\_\_\_\_\_

**Table A-5  
Annual Paperwork Burden and Costs Associated with Class V Wells: Operators**

Hours and Costs per Response											
Description of Requirement	Frequency	Legal	Managerial	Technical	Clerical	Unit Burden	Unit Labor Cost	Unit Non-labor Cost (A)	No. of Responses	Total Hours/Year	Total Cost/Year
<b>Inventory Requirements</b>											
Submit inventory information prior to commencing injection.	One-time	0.0	0.0	0.0	0.4	0.4	\$9	\$0	19,348	6,613	\$164,578
<b>Permitting</b>											
Prepare and submit permit application (if required). Gather and submit: AoR and corrective action information; geological data on the injection and confining zone and information about USDWs; descriptions of logs and tests; construction schematics; operating data; monitoring plan; and closure plan, including demonstration of financial responsibility.	One-time	7.0	17.3	61.8	17.5	103.6	\$3,541	\$104,711	10	1,036	\$1,082,518
<b>Class V Rule - Ongoing Activities for Owners / Operators of Motor Vehicle Waste Disposal Wells</b>											
Conduct quarterly injectate sampling.	Quarterly	0.0	0.0	1.0	0.5	1.5	\$42	\$785	5,916	8,874	\$4,892,179
Conduct annual sludge sampling (concurrent with injectate sampling).	Annual	0.0	0.0	1.0	0.5	1.5	\$42	\$2,051	1,479	2,219	\$3,096,727
Annual reporting and recordkeeping of all monitoring results.	Annual	0.0	0.0	3.0	1.0	4.0	\$115	\$0	1,479	5,916	\$169,600
<b>TOTAL</b>									<b>28,232</b>	<b>24,657</b>	<b>\$9,405,602</b>
Notes: (A) EPA assumes that there are no start-up costs; all non-labor costs are O & M costs. Numbers may not add due to rounding.											

**Table A-5 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class V Wells: States**

Description of Requirement	Frequency	Hours and Costs per Response			Total Hours and Cost		
		Unit Burden (A)	Unit Labor Cost	Unit Nonlabor Cost	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Startup</b>							
Review inventory information.	One-time	0.5	\$23	\$0	13,570	6,548	\$300,672
Review permit applications. Consider the permit application and attachments, prepare draft permit, solicit and respond to public comments.	One-time	56.0	\$2,572	\$0	10	560	\$25,715
<b>Primacy State Activities Associated With the Class V Rule</b>							
Review and file annual monitoring reports.	Annual	0.8	\$37	\$0	1,037	830	\$38,107
<b>TOTAL</b>					<b>14,618</b>	<b>7,938</b>	<b>\$364,494</b>
Notes: (A) Unit burdens for initial/start-up activities reported on a per-permit basis. Unit burden for other activities reported on a per-operator basis. Numbers may not add due to rounding.							

Table A-6 Annual Paperwork Burden and Costs Associated with Class VI Wells: Operators									
Description Of Requirement	Frequency	Hours and Costs Per Response					Total Hours and Costs		
		Technical 1 (Engineer)	Technical 2 (Geologist)	Unit Burden	Unit Labor Cost	Unit Non- Labor Cost (A)	Number of Responses	Total Hours/ Year	Total Cost/Year
<b>Initial/Startup Requirements (Per Permit Application)</b>									
<i>Requirements Associated with Permit Applications</i>									
Prepare and submit Class VI permit application, including all attachments and plans.	One-Time	240	300	540	\$60,863	\$606,809	13.3	7,200	\$8,902,294
Conduct 3D seismic survey to identify faults and fractures; obtain and analyze seismic history.	One-Time	0	180	180	\$21,286	\$672,559	13.3	2,400	\$9,251,268
Obtain geomechanical and geochemical information on injection zone, subsurface aquifers including all USDWs, and the confining zone in the area of review.	One-Time	30	129	159	\$18,428	\$155,864	13.3	2,120	\$2,323,901
Develop maps and cross sections of the injection zone, subsurface aquifers including all USDWs, and the confining zone in the area of review.	One-Time	0	44	44	\$5,251	\$0	13.3	592	\$70,008
Take initial samples to develop a geochemical baseline for injection zones and confining zones.	One-Time	0	10	10	\$1,183	\$20,305	13.3	133	\$286,500
Prepare geologic characterization report demonstrating: suitability of receiving zone, storage capacity and injectivity, trapping mechanism free of nonsealing faults, competent confining system, etc.	One-Time	0	240	240	\$28,381	\$0	13.3	3,200	\$378,419
Demonstrate financial responsibility to ensure funds will be available for required future actions.	One-Time	40	0	40	\$4,231	\$0	13.3	533	\$56,414
Conduct aerial and database search for artificial penetrations (wells) within the area of review; determine integrity/plugging status of each.	One-Time	140	300	440	\$50,285	\$112,928	13.3	5,867	\$2,176,180
Perform complex modeling of CO2 fluid flow and migration (reservoir simulations) and prepare AoR and corrective action plan.	One-Time	724	1,200	1,924	\$218,489	\$0	13.3	25,653	\$2,913,187
Compile and submit information to support an injection depth waiver application.	One-Time	100	200	300	\$34,229	\$0	-	-	\$0

<b>Table A-6</b>									
<b>Annual Paperwork Burden and Costs Associated with Class VI Wells: Operators</b>									
Description Of Requirement	Frequency	Hours and Costs Per Response					Total Hours and Costs		
		Technical 1 (Engineer)	Technical 2 (Geologist)	Unit Burden	Unit Labor Cost	Unit Non- Labor Cost (A)	Number of Responses	Total Hours/ Year	Total Cost/Year
<b>Requirements Associated with Injection Well Construction</b>									
Design and install equipment for injection wells to measure: injected volumes, pressure, flow rates, and annulus pressure.	One-Time	0	0	0	\$0	\$443,863	13.3	0	\$5,918,179
Install check/shut-off valve on injection well.	One-Time	0	0	0	\$0	\$3,065	13.3	0	\$40,871
Construct monitoring wells.	One-Time	0	0	0	\$0	\$2,633,419	13.3	0	\$35,112,257
Design and install equipment for monitoring wells to measure: pressure, temperature, resistivity, salinity, CO2, and any other required parameters.	One-Time	0	0	0	\$0	\$188,821	13.3	0	\$2,517,618
<b>Monitoring/Testing Requirements (Per Operator)</b>									
Analyze injectate stream and perform corrosion monitoring.	Quarterly	62	0	62	\$6,505	\$18,113	10.7	656	\$ 262,591
Operate and maintain monitoring wells and the monitoring equipment within them.	Annual	13	0	13	\$1,325	\$513,498	2.7	33	\$1,372,861
Conduct periodic monitoring of groundwater quality and geochemistry.	Monthly	21	0	21	\$2,221	\$12,117	32.0	672	\$458,818
Conduct external mechanical integrity tests.	Annual	0	0	0	\$0	\$201,984	2.7	0	\$538,623
Conduct pressure fall-off testing.	Every Five Years	0	0	0	\$0	\$38,072	0.5	0	\$20,305
Conduct 3D seismic survey to track movement of the CO2 plume and pressure front.	Every Five Years	0	0	0	\$0	\$1,327,165	0.5	0	\$707,821
<b>Activities Associated with Area of Review Reevaluations</b>									
Conduct updated AoR modeling. Based on new results, update AoR and Corrective Action Plan, Testing and Monitoring Plan, and Emergency and Remedial Response Plan.	Every Five Years	1,118	0	1,118	\$118,258	\$0	0.3	373	\$39,419

**Table A-6  
Annual Paperwork Burden and Costs Associated with Class VI Wells: Operators**

Description Of Requirement	Frequency	Hours and Costs Per Response					Total Hours and Costs		
		Technical 1 (Engineer)	Technical 2 (Geologist)	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost (A)	Number of Responses	Total Hours/ Year	Total Cost/Year
<b>Reporting and Recordkeeping Requirments (Per Operator)</b>									
Report to regulators; maintain records of data from all data gathering activities.	Semi-Annual	33	0	33	\$3,491	\$0	5.3	176	\$18,617
<b>Plugging, Post-Injection Site Care, and Site Closure Requirements (Per Operator)</b>									
Demonstrate financial ability (accounting for inflation) to close site.	One-Time	8	0	8	\$846	\$0	0	0	\$0
Perform a MIT prior to plugging the injection well.	One-Time	0	0	0	\$0	\$38,636	0	0	\$0
Conduct ground water monitoring - operate and maintain monitoring wells and the monitoring equipment within them.	Annual	0	0	0	\$0	\$591,018	1	0	\$591,018
Track the CO2 plume and pressure front.	Every 5 Years	0	0	0	\$0	\$1,327,165	0	0	\$265,433
Submit results of post-injection monitoring.	Annual	40	0	40	\$4,231	\$0	1	40	\$4,231
Perform non-endangerment demonstration and submit results.	One-Time	400	0	400	\$42,310	\$0	0	0	\$0
<b>TOTAL</b>							<b>230.3</b>	<b>49,649</b>	<b>\$ 74,226,832</b>
Notes: (A) Unit Non-Labor Cost inflated by 20% to account for G&A Numbers may not add due to rounding.									

**Table A-6 (continued)**  
**Annual Paperwork Burden and Costs Associated with Class VI Wells: States**

Description Of Requirement	Frequency	A	B	C	D	E	F
		Hours and Costs Per Response			Total Hours and Costs		
		Unit Burden	Unit Labor Cost	Unit Non-Labor Cost (A)	Number of Responses	Total Hours/ Year	Total Cost/Year
<b>Initial/Startup Requirements (Per Permit Application)</b>							
Review the permit application and other information submitted by the operator, considering: AoR, relevant maps, site geology, formation testing results, well schematics and construction procedures, proposed injection procedure, status of corrective action on wells in the AoR, well logging, testing, and mechanical integrity data, and project plans.	One-time	780	\$35,818	\$0	5	3,900	\$179,088
Review financial responsibility demonstration.	One-time	100	\$4,592	\$0	5	500	\$22,960
Determine and specify tubing, packing, casing, and cementing requirements based on review of information submitted by operator.	One-time	140	\$6,429	\$0	5	700	\$32,144
Witness logging and testing.	One-time	20	\$918	\$0	5	100	\$4,592
Review applications for waivers to inject above the lowermost underground source of drinking water.	One-time	200	\$9,184	\$0	-	0.0	\$0
<b>Monitoring and Recordkeeping</b>							
Review reports submitted by operators; recordkeeping of data from all data gathering activities.	Annual	40	\$1,837	\$0	0.33	13	\$612
Review mechanical integrity test data.	Annual	13.5	\$620	\$0	0.33	5	\$207
<b>Area of Review Reevaluation</b>							
Review updated AoR modeling and updated plans.	Every 5 years	150	\$6,888	\$0	0.00	0	\$0
<b>Post-Injection Site Care and Site Closure</b>							
Review relevant data prior to granting approval for plugging and abandonment of a well.	One-time	20	\$918	\$0	0.00	0	\$0
Review post-injection monitoring data.	Annual	15	\$689	\$0	0.00	0	\$0
Review non-endangerment demonstration and authorize site closure.	One-time	40	\$1,837	\$0	0.00	0	\$0
<b>Project-Independent Activities</b>							
Prepare and submit primacy application.	One-time	1,040	\$47,757	\$0	1.7	1,733	\$79,595
<b>TOTAL</b>					<b>22.3</b>	<b>6,951</b>	<b>\$ 319,198</b>
Notes:							

Numbers may not add due to rounding.

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**Table A-7  
Annual State Burden and Cost for Program Oversight and Reporting**

		A	B	C	D	E	F
		Hours and Costs per Response			Total Hours and Cost		
Description of Requirement	Frequency	Unit Burden	Unit Labor Cost	Unit Nonlabor Cost	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Program Oversight</b>							
Oversee and implement UIC program in the State, for example, update regulations or guidances as needed.	Ongoing	1,040	\$47,757	\$0	59	61,360	\$2,817,651
<b>7520 Forms Reporting</b>							
Report on Permit Review and Issuance (7520-1)	Annual	4.5	\$207	\$0	59	266	\$12,192
Report on Compliance Evaluation (7520-2A)	Semi-annual	6.0	\$276	\$0	118	708	\$32,511
Report on Compliance Evaluation for Significant Non-Compliance (7520-2B)	Semi-annual	5.5	\$253	\$0	118	649	\$29,802
Report on Mechanical Integrity Tests/Remedial Action (7520-3)	Annual	5.0	\$230	\$0	59	295	\$13,546
Report on Quarterly Exceptions (7520-4)	Quarterly	2.0	\$92	\$0	236	472	\$21,674
<b>Inventory Reporting</b>							
Conduct inventory-related activities, e.g., review operator data and report to EPA's online inventory data system.	Annual	54	\$2,480	\$0	59	3,186	\$146,301
<b>Total</b>					<b>767</b>	<b>66,936</b>	<b>\$3,073,678</b>

Notes:

There may be more than one agency per state with Primacy authority.  
Numbers may not add due to rounding.

**Environmental Management - private**

Small entities **28,801** Pct electronic: **38.8%** All Class VI; some % of Class V inventory.  
 Responses/ respon **12.38556**  
 Annual frequency **1**

11. frequency - respon

A

	Respondents	Responses	Burden	Cost (O&M)	Time/ response	Annual hour burden	Cost/ response	Annual cost burden
Reporting	<b>37,618</b>	449,230	<b>1,334,110</b>	<b>\$276,069,465</b>	2.97	1,334,110	\$614.54	
Recordkeeping	37,618	16,693	66,839	\$0	4.00	66,839	\$0.00	
Third-party disclos	0	0	0	\$0	0.00	0	\$0.00	
<b>Total</b>	<b>37,618</b>	<b>465,923</b>	<b>1,400,950</b>	<b>\$276,069,465</b>	<b>3.01</b>	<b>1,400,950</b>	<b>\$592.52</b>	#VALUE!

Allocate Change in Burden

	This ICR	Previously approved	Change	Due to new statute	Due to agency action	Due to Agency estimate	Due to Violation
Annual Responses	465,923	460,604	5,319	0	0	5,319	0
Annual Burden	1,400,950	1,141,294	259,656	0	-240	259,896	0
Annual Cost	\$276,069,465	\$168,345,558	\$107,723,907	\$0	\$0	\$107,723,907	\$0

The Approved numbers need to match what is on the "bottom line" in ICRAS - it can change between ICRs.

**Environmental Management - state govt.**

Small entities **0** Pct electronic: **100.0%** Use of web-based data system  
 Responses/ respon **1,901.52679**  
 Annual frequency **1**

11. frequency - respon

A

Hour and Cost Burden

	Respondents	Responses	Burden	Cost (O&M)	Time/ response	Annual hour burden	Cost/ response	Annual cost burden
Reporting	<b>59</b>	112,131	#VALUE!	\$0	#VALUE!	#VALUE!	\$0.00	
Recordkeeping	59	59	0	\$0	0.00	0	\$0.00	
Third-party disclos	0	0	0	\$0	0.00	0	\$0.00	
<b>Total</b>	<b>59</b>	<b>112,190</b>	<b>#VALUE!</b>	<b>\$0</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$0.00</b>	#VALUE!

Allocate Change in Burden

	This ICR	Previously approved	Change	Due to new statute	Due to agency action	Due to Agency estimate	Due to Violation
Annual Responses	112,190	96,765	15,425	0	16	15,409	0
Annual Burden	#VALUE!	150,966	#VALUE!	0	3,334	#VALUE!	0
Annual Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**Environmental Management - federal govt.**

Small entities **0** Pct electronic: **100.0%** Use of web-based data system for DI  
 Responses/ respon **1,125.27854**  
 Annual frequency **1**

A

Hour and Cost Burden

	Respondents	Responses	Burden	Cost (O&M)	Time/ response	Annual hour burden	Cost/ response	Annual cost burden
Reporting	<b>11</b>	12,347	<b>42,455</b>	<b>\$0</b>	3.44	42,455	\$0.00	\$1,952,314
Recordkeeping	11	31	61	\$0	1.97	61	\$0.00	\$0
Third-party disclos	0	0	0	\$0	0.00	0	\$0.00	\$0
<b>Total</b>	<b>11</b>	<b>12,378</b>	<b>42,516</b>	<b>\$0</b>	<b>3.43</b>	<b>42,516</b>	<b>\$0.00</b>	<b>\$1,952,314</b>

Allocate Change in Burden

	This ICR	Previously approved	Change	Due to new statute	Due to agency action	Due to Agency estimate	Due to Violation
Annual Responses	12,378	12,039	339	0	0	339	0
Annual Burden	42,516	17,835	24,681	0	0	24,681	0
Annual Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0

**For part 1: annual cost to federal government: \$1,952,314**

**Total - all IC types (to compare)**

Hour and Cost Burden

	Respondents	Responses	Burden	Cost (O&M)	Total cost
Reporting	37,688	573,709	#VALUE!	\$276,069,465	
Recordkeeping	37,688	16,783	66,900	\$0	
Total	37,688	590,491	#VALUE!	\$276,069,465	#VALUE!
non-Fed total	37,677	578,113	#VALUE!	\$276,069,465	#VALUE!

Allocate Change in Burden

	This ICR	Approved	Change
Annual Responses	590,491	569,409	21,082
Annual Burden	#VALUE!	1,310,095	#VALUE!
Annual O&M Cost	\$276,069,465	\$168,345,558	\$107,723,907
non-Fed Resp	578,113	557,370	20,744
non-Fed Burden	#VALUE!	1,292,260	#VALUE!
non-Fed Cost	\$276,069,465	\$168,345,558	\$107,723,907

**Environmental Management - private**

10. Respondents	<b>37,618</b>	<b>28,801</b>	<b>Blue numbers are entered into ICRAS; others are calculated</b>	
Responses per respondent	<b>12.3855609876437</b>	(small)		
Annual Freq:				
Annual responses/yr:				
14 - hour and cost burden	<b>Time</b>	<b>Cost</b>		
Reporting	<b>2.86336992534239</b>	<b>592.52154061342</b>		
Keeping	<b>0.14345584380416</b>	<b>0</b>		
Third party	<b>0</b>	<b>0</b>		

15. Allocate change	Total requested	Due to agency discretion (program change)	Due to Agency estimate	Approved
Responses	465,923	<b>0</b>	<b>5,319</b>	460,604
Hour burden	1,400,950	<b>-240</b>	<b>259,896</b>	1,141,294
Cost (O&M) burden	\$276,069,465	<b>\$0</b>	<b>\$107,723,907</b>	\$168,345,558

**Environmental Management - state govt.**

10. Respondents	<b>59</b>			
Responses per respondent	<b>1901.52678869236</b>			
Annual Freq:				
Annual responses/yr:				
14 - hour and cost burden	<b>Time</b>	<b>Cost</b>		
Reporting	<b>#VALUE!</b>	<b>0.00000000</b>		
Keeping	<b>0</b>	<b>#VALUE!</b>		
Third party	<b>0</b>	<b>#VALUE!</b>		
Total				

15. Allocate change	Total requested	Due to agency discretion	Due to Agency estimate	Approved
Responses	112,190	<b>16.00</b>	<b>15,408.63</b>	96,765
Hour burden	<b>#VALUE!</b>	<b>3,334.00</b>	<b>#VALUE!</b>	150,966
Cost (O&M) burden	\$0	<b>0.00</b>	<b>0.00</b>	\$0

**Environmental Management - federal govt.**

10. Respondents	<b>11</b>			
11. frequency	<b>1125.2785416218</b>			
Annual Freq:				
Annual responses/yr:				
14 - hour and cost burden	<b>Time</b>	<b>Cost</b>		
Reporting	<b>3.42983197936079</b>	<b>0.00000000</b>		
Keeping	<b>0.00491531544237</b>	<b>0</b>		
Third party	<b>0</b>	<b>0</b>		
Total				

15. Allocate change	Total requested	Due to agency discretion	Due to Agency estimate	Approved
Responses	12,378	<b>0</b>	<b>339</b>	12,039
Hour burden	42,516	<b>0</b>	<b>24,681</b>	17,835
Cost (O&M) burden	\$0	<b>\$0</b>	<b>\$0</b>	\$0

**Total - all IC types**

Total requested	Due to agency discretion	Due to Agency estimate	Approved	
Responses	590,491	16	21,066	569,409
Hour burden	<b>#VALUE!</b>	3,094	<b>#VALUE!</b>	1,310,095
Cost (O&M) burden	\$276,069,465	\$0	\$107,723,907	\$168,345,558

**Information Collections - UIC Program**

**Update the aqua cells with last ICR's numbers; everything else here is linked.**

Business area (Affected public)	Respondents	Small entities	Responses	Total burden	Reporting burden	Rkeeping burden	Labor\$	O&M\$	Capital\$	Non-Labor\$
Env. Mgmt/Poll prev (Private sector - business)	37,618	28,801	465,923	1,400,950	1,334,110	66,839	#VALUE!	\$276,069,465	\$0	\$276,069,465
Env. Mgmt/Poll prev (State and local governments)	59	0	112,190	#VALUE!	#VALUE!	0	#VALUE!	\$0	\$0	\$0
Env. Mgmt/Poll prev (Federal government)	11	0	12,378	42,516	42,455	61	\$1,952,314	\$0	\$0	\$0
<b>Total</b>	<b>37,688</b>	<b>28,801</b>	<b>590,491</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>66,900</b>	<b>#VALUE!</b>	<b>\$276,069,465</b>	<b>\$0</b>	<b>\$276,069,465</b>

By IC Type-2021 ICR	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Respondents
Env Mgmt - private	1,400,950	#VALUE!	\$276,069,465	#VALUE!	465,923	37,618
Env Mgmt - state	#VALUE!	#VALUE!	\$0	#VALUE!	112,190	59
Env Mgmt - Federal	42,516	\$1,952,314	\$0	\$1,952,314	12,378	11
<b>Total</b>	<b>#VALUE!</b>	<b>#VALUE!</b>	<b>\$ 276,069,465</b>	<b>#VALUE!</b>	<b>590,491</b>	<b>37,688</b>

all operators  
all states  
fed burden

**Small entity count - assumptions**

50% of Class II are small businesses (ICR, Section 5c)

All Class V are small businesses (slight overstatement - ICR says "majority" are)

Recordkeeping (from tables)	responses	burden	non labor cost
Class 1	466	1,936	\$0 Env mgmt - private
Class 2	15,927	63,708	\$0 Env mgmt - private
Class 3	300	1,020	\$0 Env mgmt - private
Class 4	0	0	\$0 Env mgmt - private
Class 5 (cannot disaggregate from	0	0	\$0 Env mgmt - private
Class 6	5	176	\$0 Env mgmt - private
States as respondents	59	0	\$0 Env mgmt - state
Federal (Class 1, 2, 3 activities)	31	61	\$0 Env mgmt - federal
Rkeeping total	16,788	66,900	\$0

**2018 ICR Totals by type**

	Annual Burden	Labor Cost	O&M Cost	Total Cost	Responses	Respondents
Env Mgmt - private	1,141,294	52,362,663	168,345,558	220,708,221	460,604	40,109
Env Mgmt - state	150,966	6,599,038	0	6,599,038	96,765	59
Env Mgmt - Federal	17,835	779,603	0	779,603	12,039	11
<b>Total</b>	<b>1,310,095</b>	<b>\$ 59,741,304</b>	<b>\$ 168,345,558</b>	<b>\$ 228,086,862</b>	<b>569,409</b>	<b>40,179</b>

The sum of these 2 rows shows on the OMB approval form (burden, O

<b>Change</b>	This ICR Responses	This ICR Burden	This ICR O&M Cost	Approved Responses	Approved Burden	Approved O&M Cost	Change in Responses	Change in Burden	Change in Cost
Env Mgmt - private	465,923	1,400,950	\$276,069,465	460,604	1,141,294	\$168,345,558	5,319	259,656	\$107,723,907
Env Mgmt - state/local	112,190	#VALUE!	\$0	96,765	150,966	\$0	15,425	#VALUE!	\$0
Env Mgmt - Federal	12,378	42,516	\$0	12,039	17,835	\$0	339	24,681	\$0
<b>Total</b>	<b>590,491</b>	<b>#VALUE!</b>	<b>276,069,465</b>	<b>569,409</b>	<b>1,310,095</b>	<b>168,345,558</b>	<b>21,082</b>	<b>#VALUE!</b>	<b>\$107,723,907</b>

Total\$
#VALUE!
#VALUE!
\$1,952,314
#VALUE!

&M, responses)

**Exhibit 6-7A  
Federal Burden and Cost for Reviewing Class I Hazardous Well Data**

#VALUE!

Description of Requirement	A		B	C	D
	Frequency (A)	Unit Burden (B)	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Initial/Start-up</b>					
<b>Permit Applications</b>					
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.70 and prepare draft permit.	One-time	40	6	247.3	\$11,357
Prepare and issue statement of basis (DI only).	One-time	1	6	6.2	\$284
Develop and issue fact sheet.	One-time	4	0	0	\$0
Provide public notice of issuance of a draft permit or intent to deny.	One-time	1	6	6.2	\$284
Consider public comments.	One-time	6	6	37.1	\$1,704
Issue final permit decision.	One-time	2	6	12.4	\$568
Respond to comments.	One-time	7	6	43.3	\$1,987
Review notice of completion of construction.	One-time	2	6	12.4	\$568
Review information related to aquifer exemption requests and make a determination.	One-time	8	6.1	49.0	\$2,248
<b>No-Migration Petitions</b>					
Review and respond to petition request.	One-time	320	36	11,520.0	\$528,998
Public notice/public comment.	One-time	144	36	5,184.0	\$238,049
Review and respond to petition modification request.	One-time	100	6	600.0	\$27,552
<b>Permit renewals/modifications</b>					
Review and respond to requests for permit modifications or re-issuance.	Occasional	30	2	61.8	\$2,839

<b>Monitoring/Testing</b>					
Review quarterly monitoring and testing results.	Quarterly	2	50	74.8	\$3,437
Review casing pressure test and radioactive tracer survey of bottom-hole cement.	Annual	4	18	72.6	\$3,336
Review casing pressure test, radioactive tracer survey of bottom-hole cement, and logs.	Every 5 years	4	2	10.0	\$458
Review pressure fall-off test.	Annual	2	47	94.7	\$4,350
<b>Recordkeeping</b>					
Maintain administrative record of permit decision.	One-time	1	6	6.2	\$284
<b>Other Reporting</b>					
Respond to periodic notifications by owners and operators.	Occasional	2	1	2.1	\$95
<b>Closure</b>					
Review closure and post-closure plans prior to approving plugging and abandonment.	One-time	2	0	0	\$0
Review closure report.	One-time	1	0	0	\$0
Witness and review pressure fall-off test prior to authorizing closure.	One-time	24	0	0	\$0
<b>TOTAL</b>			<b>265</b>	<b>18,040</b>	<b>\$828,399</b>
Notes: (A) For quarterly activities, the number of responses = number of facilities X 4. (B) EPA assumes one well per facility for start-up and closure activities; and 1.9 wells per facility for all other activities. Regions review 17 percent of MITs and 23 percent of pressure fall-off tests in primacy states. Numbers may not add due to rounding.					

Class I total

816

**Exhibit 6-7B  
Federal Burden and Cost for Reviewing Class I Nonhazardous Well Data**

Description of Requirement	A B C E D					
	Frequency (A)	Unit Burden (B)	Number of Responses	Total Hours/Year	Total State Cost	Total Cost/Year
<b>Initial/Start-up</b>						
<b>Permit applications</b>						
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.14 and issue notice of intent to deny.	One-time	20.0	1.3	25.1	\$0	\$1,151
Consider the permit application, AoR, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures as required at 146.14 and prepare draft permit.	One-time	40.0	11	451.4	\$0	\$20,727
Prepare and issue statement of basis.	One-time	1.0	11	11.3	\$0	\$518
Develop and issue fact sheet.	One-time	4.0	0	0.0	\$0	\$0
Provide public notice of issuance of a draft permit or intent to deny.	One-time	1.0	11	11.3	\$0	\$518
Consider public comments.	One-time	6.0	11	67.7	\$0	\$3,109
Issue final permit decision.	One-time	2.0	13	25.1	\$0	\$1,151
Respond to comments.	One-time	7.0	13	87.8	\$0	\$4,030
Review notice of completion of construction.	One-time	2.0	13	25.1	\$0	\$1,151
Review information related to aquifer exemption requests and make a determination.	One-time	8.0	12	99.3	\$0	\$4,559
<b>Permit renewals/modifications</b>						
Review and respond to requests for permit modifications or re-issuance.	Occasional	30.0	3	103.1	\$0	\$4,732

<b>Monitoring/Testing</b>						
Review casing pressure test and logs.	Every 5 years	4.0	25	98.3	\$0	\$4,514
Review pressure fall-off test.	Annual	2.0	142	284.8	\$0	\$13,080
Review monitoring data submitted by operators.	Quarterly	2.0	270	540.2	\$0	\$24,806
<b>Recordkeeping</b>						
Maintain administrative record of permit decision.	One-time	1.0	13	12.5	\$0	\$576
<b>Other Reporting</b>						
Respond to periodic notifications by owners and operators.	Occasional	1.0	2	1.7	\$0	\$79
<b>Closure</b>						
Review plugging and abandonment report.	One-time	1.0	0	0.0	\$0	\$0
<b>TOTAL</b>			<b>551</b>	<b>1,845</b>	<b>\$0</b>	<b>\$84,702</b>
Notes: (A) For quarterly activities, the number of responses = number of facilities X 4. (B) EPA assumes one well per facility for start-up and closure activities; and 1.9 wells per facility for all other activities. Regions review 17 percent of MITs and 23 percent of pressure fall-off tests in primacy states. Numbers may not add due to rounding.						

<b>Exhibit 6-8 Federal Burden and Cost for Reviewing Class II Well Data</b>								
		A			B	C	D	
Description of Requirement	Frequency	Unit Burden	Unit Labor Cost	Unit Non-Labor Cost	Number of Responses	Total Hours/Year	Total Cost/Year	Notes

Initial/Start-up										
<b>Permit applications (Per Permit Application)</b>										
Review permit application and supporting documentation and prepare draft permit.	One-time	6.0	\$276	\$0	130	780	\$35,835			
Consider public comments.	One-time	2.0	\$92	\$0	130	260	\$11,945	Assumes that 10% require public hearing		
Issue final permit decision.	One-time	2.0	\$92	\$0	130	260	\$11,945			
Respond to comments.	One-time	4.0	\$184	\$0	130	520	\$23,890			
Review operator's AoR map and study.	One-time	5.0	\$230	\$0	53	267	\$12,271			
Review operator's AoR map and perform AoR study.	One-time	2.5	\$115	\$0	0	0	\$0			
Review completion report.	One-time	2.0	\$92	\$0	124	247	\$11,348			
Review information provided by HF well operators to meet the DEHE Guidance recommendations.	One-time	25.0	\$1,148	\$0	0	0	\$0			
Review information related to aquifer exemption requests and make a determination.	One-time	8.0	\$367	\$0	179	1,429	\$65,640			
<b>Permit reviews/modifications (Per Operator)</b>										
Review each permit to determine whether it should be modified, revoked and reissued, or terminated.	Every 5 years	1.0	\$46	\$0	0	0	\$10	Assumes that 47% of wells are permitted. Range = -5 to 2 hours		
Review request for permit modification or re-issuance.	Occasional	4.0	\$184	\$0	17	68	\$3,101			
<b>Monitoring/Testing (Per Operator)</b>										
Review mechanical integrity test data submitted by operators.	Every 5 years	0.5	\$23	\$0	4,206	2,103	\$96,578			
Review monitoring data submitted by operators.	Annual	0.25	\$11	\$0	0	0	\$0			
<b>Recordkeeping (Per Operator)</b>										
Maintain administrative record in DI programs.	One-time	1.0	\$46	\$0	2	2	\$97			
<b>Other Reporting (Per Operator)</b>										
Respond to periodic notifications by owners and operators.	Occasional	2.0	\$92	\$0	0	0	\$12	Assumes respondents = 6%		
<b>Closure (Per Operator)</b>										
For DI programs, review plugging and abandonment report.	One-time	1.0	\$46	\$0	0	0	\$11			
<b>TOTAL</b>					<b>\$ 5,112</b>	<b>\$ 5,938</b>	<b>\$ 272,682</b>			
Note: Numbers may not add due to rounding										

**Exhibit 6-9  
Federal Burden and Cost for Reviewing Class III Well Data**

	A				B	C	D
<b>Description of Requirement</b>	<b>Frequency</b>	<b>Unit Burden</b>	<b>Unit Labor Cost</b>	<b>Unit Non-Labor Cost</b>	<b>Number of Responses</b>	<b>Total Hours/Year</b>	<b>Total Cost/Year</b>
<b>Initial/Start-up</b>							
<b>Permit applications (Per Permit Application)</b>							
Consider the permit application, area of review, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures and issue notice of intent to deny.	One-time	20	\$918	\$0	0	0	\$0
Consider the permit application, area of review, relevant maps and cross sections, fluid injection rate and volume, proposed contingency plans, monitoring plans, and construction procedures and prepare draft permit.	One-time	40	\$1,837	\$0	1	40	\$1,837
Prepare and issue statement of basis.	One-time	5	\$230	\$0	0	0	\$0
Develop and issue fact sheet.	One-time	3	\$138	\$0	0	0	\$0
Provide public notice of issuance of a draft permit or intent to deny.	One-time	2	\$92	\$0	2	4	\$184
Consider public comments.	One-time	8	\$367	\$0	2	16	\$735
Issue final permit decision.	One-time	10	\$459	\$0	2	20	\$918
Respond to comments.	One-time	15	\$689	\$0	2	30	\$1,378
Review completion report.	One-time	2	\$92	\$0	0	0	\$0
Review information related to aquifer exemption requests and make a determination.	One-time	8	\$367	\$0	0	3.52	\$162
<b>Permit reviews/modifications (Per Facility)</b>							
Review each permit to determine whether it should be modified, revoked and reissued, or terminated.	Every 5 years	4	\$184	\$0	1	4	\$184
Review request for permit modification or re-issuance.	Occasional	20	\$918	\$0	1	20	\$918
<b>Monitoring/Testing (Per Facility)</b>							
Review mechanical integrity test data submitted by operators.	Every 5 years	1	\$23	\$0	6	3	\$141

Review monitoring data submitted by operators.	Quarterly	0.25	\$11	\$0	123	31	\$1,409
<b>Other Reporting (Per Facility)</b>							
Respond to periodic notifications by owners and operators.	Occasional	4	\$184	\$0	1	4	\$184
<b>Recordkeeping (Per Facility)</b>							
Maintain administrative record (DI).	One-time	4	\$184	\$0	10	40	\$1,837
<b>Closure (Per Facility)</b>							
Review plugging and abandonment report (DI only).	One-time	4	\$184	\$0	0	0	\$0
<b>TOTAL</b>					<b>161</b>	<b>215</b>	<b>\$ 9,886</b>
Note: Numbers may not add due to rounding.							

**Exhibit 6-10  
Federal Burden and Cost for Reviewing Class IV/High Priority Class V Well Data**

	A	B	C	D	
Description of Requirement	Frequency	Unit Burden	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Closure</b>					
Review closure plan.	One-time	1.0	15	15	\$700
<b>TOTAL</b>			<b>15</b>	<b>15</b>	<b>\$700</b>

Note:  
Numbers may not add due to rounding.

**Exhibit 6-11  
Federal Burden and Cost for Reviewing Class V Well Data**

	A	B	C	D
Frequency	Unit Burden	Number of Responses	Total Hours/Year	Total Cost/Year
<b>Program Oversight Activities</b>				
Ongoing	0	10	0	\$0
<b>Inventory Requirements</b>				
One-time	0.5	5,778	2,889	\$132,664
<b>Activities Associated with Class V Rule Requirements - DI States</b>				
One-time	1.0	0	0	\$0
One-time	1.3	0	0	\$0
One-time	8.3	0	0	\$0
Annual	0.8	442	353	\$16,225
<b>TOTAL</b>		<b>6,230</b>	<b>3,242</b>	<b>\$148,889</b>

Note:  
Numbers may not add due to rounding.

Exhibit 6-11

Federal Burden and Cost for Reviewing Class VI Well Data

		A					B	C	D
Description of Requirement	Frequency	Unit Burden	Unit Labor Cost	Capital Costs (\$/response)	Unit Non-Labor Cost (A)	Number of Responses	Total Hours/Year	Total Cost/Year	
<b>Program Oversight Activities</b>									
Oversee and implement UIC program, for example, update regulations or guidances as needed.	Ongoing		\$0						
<b>Initial/Startup Requirements (Per Permit Application)</b>									
Review the permit application and other information submitted by the operator, considering: AoR, relevant maps, site geology, formation testing results, well schematics and construction procedures, proposed injection procedure, status of corrective action on wells in the AoR, well logging, testing, and mechanical integrity data, and project plans.	One-time	780	\$ 35,818	\$ -	\$ -	8.33	6500.0	\$ 298,480	
Review financial responsibility demonstration.	One-time	100	\$ 4,592	\$ -	\$ -	8.33	833.3	\$ 38,267	
Determine and specify tubing, packing, casing, and cementing requirements based on review of information submitted by operator.	One-time	140	\$ 6,429	\$ -	\$ -	8.33	1166.7	\$ 53,573	
Witness logging and testing.	One-time	20	\$ 918	\$ -	\$ -	8.33	166.7	\$ 7,653	
Review applications for wavers to inject above the lowermost underground source of drinking water.	One-time	200	\$ 9,184	\$ -	\$ -	-	0.0	\$ -	
<b>Monitoring and Recordkeeping</b>									
Review reports submitted by operators; recordkeeping of data from all data gathering activities.	Semi-annual	40	\$ 1,837	\$ -	\$ -	4.67	186.7	\$ 8,572	
Review mechanical integrity test data.	Annual	14	\$ 620	\$ -	\$ -	2.33	31.5	\$ 1,446	
<b>Area of Review Reevaluation</b>									
Review updated AoR modeling and updated plans.	Every 5 years	150	\$ 6,888	\$ -	\$ -	0.07	10.0	\$ 459	
<b>Post-Injection Site Care and Site Closure</b>									
Review relevant data prior to granting approval for plugging and abandonment of a well.	One-time	20	\$ 918	\$ -	\$ -	-	0.0	\$ -	
Review post-injection monitoring data.	Annual	15	\$ 689	\$ -	\$ -	1.0	15.0	\$ 689	
Review non-endangerment demonstration and authorize site closure.	One-time	40	\$ 1,837	\$ -	\$ -	-	0.0	\$ -	
<b>Project Independent Activities</b>									
Review primacy applications.	One-time	90.0	\$ 4,133	\$ -	\$ -	1.67	150.0	\$ 6,888	
<b>TOTAL</b>						<b>43.1</b>	<b>9,060</b>	<b>\$ 416,028</b>	
Notes: (A) Unit Non-Labor Cost inflated by 20% to account for G&A Numbers may not add due to rounding.									

	Env Mgmt - private	Env Mgmt - state	Env Mgmt - Federal
7520-1 Permit Review and Issuance/Wells in Area of Review		X	X
7520-2A Compliance Evaluation		X	X
7520-2B Compliance Evaluation - Significant Noncompliance		X	X
7520-3 Mechanical Integrity Test/Remedial Actions		X	X
7520-4 Quarterly Exceptions List		X	X
7520-6 UIC Permit Application	X		
7520-7 Application to Transfer Permit	X		
7520-8 Injection Well Monitoring report	X	X	
7520-11 Annual Disposal/Injection Well Monitoring Report	X		
7520-16 Inventory of Injection Wells	X		
7520-17 Pre-Closure Notification Form	X		
7520-18 Completion Form for Injection Wells	X		
7520-19 Well Rework, P&A Plan/Affidavit	X		

40 CFR 144	X	X	X
41 CFR 145	X	X	X
42 CFR 146	X	X	X
43 CFR 147	X	X	X
44 CFR 148	X	X	X

Hourly (24 -7)			
Hourly Bus (40 per week)			
Daily (7 per week)			
Daily Bus (5 per week)			
Weekly (52 per year)			
Monthly			
Yearly	X	X	X
Every Decade			
Quarterly	X	X	X
Semi-annually		X	X
Biennially			
Other (Describe <u>every 5 yrs</u> )	X		