

## SURVEY PARTICIPANT PROFILE

Total Respondents = 395

### Institutional Control

	<u>N</u>	<u>%</u>
Independent, not-for-profit	171	43%
Public (local, state, or federal)	220	56%
Other	<u>4</u>	<u>1%</u>
Total	395	100%

### Institutional Type

	<u>N</u>	<u>%</u>
4-year institution	318	81%
2-year community college or technical college	56	14%
Other	<u>21</u>	<u>5%</u>
Total	395	100%

### Institutional Sector

	<u>N</u>	<u>%</u>
Public 2-year	56	14%
Public 4-year	159	40%
Independent 4-year	156	40%
Other	<u>24</u>	<u>6%</u>
Total	395	100%

### Full-Time-Equivalent (FTE) Student Enrollment

	<u>N</u>	<u>%</u>
Less than 1,000 FTE	41	10%
1,000 to 4,999 FTE	165	42%
5,000 to 9,999 FTE	70	18%
10,000 or more FTE	<u>119</u>	<u>30%</u>
Total	395	100%

### Carnegie Classification

	<u>N</u>	<u>%</u>
Associate's College	52	13%
Baccalaureate College	100	25%
Baccalaureate College / Associate's College	17	4%
Doctoral / Research University	103	26%
Master's College and University	112	28%
Specialized	<u>10</u>	<u>3%</u>
Total	394	100%

1) What is your generator status? Indicate the most common status if yours varies from month to month.

	<u>N</u>	<u>%</u>
* Conditionally Exempt Small Quantity Generator	143	37%
**Small Quantity Generator	142	37%
Large Quantity Generator	<u>100</u>	<u>26%</u>
Total	385	100%

\*Conditionally Exempt Small Quantity Generator = <1kg acutely Hazardous Waste, <100kg total Hazardous Waste per calendar month

\*\*Small Quantity Generator= <1kg acutely Hazardous Waste, 100-1000kg total Hazardous Waste per calendar month

2) Please estimate the number of labs (that generate waste) on your campus (based on number of rooms).

	<u>N</u>	<u>%</u>	
0	15	4%	
> 0 but < 5	66	17%	Mean =191 labs
5 to 10	80	21%	Median=18 labs
11 to 50	100	26%	Range =0 to 5,600 labs
51 to 100	32	8%	
101 to 500	58	15%	
501 or more	<u>33</u>	<u>9%</u>	
Total	384	100%	

3) Please estimate the number of art studios (that generate waste) on your campus (based on the number of rooms).

	<u>N</u>	<u>%</u>	
0	41	11%	
1 to 2	111	31%	Mean= 9 art studios
3 to 5	91	25%	Median=3 art studios
6 to 20	90	25%	Range=0 to 300 art studios
21 to 49	17	5%	
50 or more	<u>13</u>	<u>4%</u>	
Total	363	100%	

4) Please estimate the number of generators at your site. (A generator is defined as an individual who works with chemicals and may generate chemical waste in labs or art studios).

	<u>N</u>	<u>%</u>	
No generators	16	4%	
> 0 but < 10	80	21%	Mean= 520 generators
10 to 25	67	18%	Median=42 generators
26 to 50	43	11%	Range=0 to 25,000 generators
51 to 100	39	10%	
101 to 500	64	17%	
501 to 999	23	6%	
1,000 or more	<u>44</u>	<u>12%</u>	
Total	376	100%	

Some respondents included students in their reported number of generators. Interpret data with caution.

5) What are the (estimated) annual costs of your hazardous waste program? Only include direct costs attributable to the hazardous waste program. Do not include administrative overhead.

**STAFF SALARIES**

	<u>N</u>	<u>%</u>	
\$0 (No Cost)	20	7%	
> 0 but < \$10,000	48	16%	Mean= \$78,002
\$10,000 to \$50,000	116	38%	Median=\$37,100
\$50,001 to \$100,000	55	18%	Range= \$0 to \$1,200,000
\$100,001 to \$499,000	56	19%	
\$500,000 or more	<u>7</u>	<u>2%</u>	
Total	302	100%	

**PAYMENTS TO CONTRACTORS**

	<u>N</u>	<u>%</u>	
\$0 (No Cost)	17	5%	
> 0 but < \$10,000	113	33%	Mean= \$50,166
\$10,000 to \$50,000	145	42%	Median=\$15,000
\$50,001 to \$100,000	20	6%	Range= \$0 to \$620,000
\$100,001 to \$499,000	47	14%	
\$500,000 or more	<u>4</u>	<u>1%</u>	
Total	346	100%	

6) How many full-time equivalent (FTE) employees make up your environmental health and safety staff (or fulfill those functions)?

	<u>N</u>	<u>%</u>	
No FTE employees	35	10%	
> 0 but < 1	28	8%	
1 to 2	174	48%	Mean= 5
2.1 to 5	56	15%	Median=2
5.1 to 10	28	8%	Range= 0 to 76
10.1 to 20	14	4%	
20.1 or more	<u>27</u>	<u>7%</u>	
Total	362	100%	

7) How much do you estimate that it costs your institution each year to train laboratory and art studio personnel in hazardous waste management?

	<u>N</u>	<u>%</u>	
\$0 (No Cost)	43	14%	
> 0 but < \$2,000	96	31%	
\$2,000 to \$5,000	83	27%	Mean= \$7,911
\$5,001 to \$10,000	36	12%	Median=\$2,000
\$10,001 to \$49,999	42	14%	Range= \$0 to \$100,000
\$50,000 or more	<u>10</u>	<u>3%</u>	
Total	310	100%	

8) What is the average number of laboratory cleanouts (e.g., lab renovations, lab relocations, changes in lab supervision) per year?

	<u>N</u>	<u>%</u>	
0 (No lab cleanouts)	70	20%	
> 0 but < 1	9	3%	
1 to 2	141	41%	Mean= 6
3 to 5	52	15%	Median=2
6 to 10	33	10%	Range= 0 to 150
11 to 19	14	4%	
20 or more	<u>28</u>	<u>8%</u>	
Total	347	100%	

9) Does your institution have a policy of periodic evaluation of chemical inventories and subsequent removal of materials from your labs?

	<u>N</u>	<u>%</u>
Yes, once a year	190	51%
Yes, two or more times a year	80	22%
No	87	23%
Not sure	<u>14</u>	<u>4%</u>
Total	371	100%

10) How many times per semester does a lab, managed as a satellite accumulation area, require a waste pickup because the 2.2 lbs (1kg) of acutely hazardous waste or 55-gallons of hazardous waste accumulation threshold is met?

	<u>N</u>	<u>%</u>
Less than 5 times per semester	70	19%
6 to 10 times per semester	6	2%
11 to 25 times per semester	9	2%
More than 25 times per semester	4	1%
Never because limits are never exceeded	147	40%
Never because we remove waste frequently	<u>132</u>	<u>36%</u>
Total	368	100%

11) Do you have a central accumulation area (CAA) on your campus?

	<u>N</u>	<u>%</u>
Yes	244	65%
No	120	32%
Not Sure	<u>12</u>	<u>3%</u>
Total	376	100%

12) Does your campus have a permitted Treatment, Storage & Disposal Facility (TSDF)?

	<u>N</u>	<u>%</u>
Yes	24	6%
No	346	92%
Not Sure	<u>6</u>	<u>2%</u>
Total	376	100%

13) What is your institution's annual generation (in pounds) of:

**P-LIST WASTE (IN POUNDS)**

	<u>N</u>	<u>%</u>	
0	81	28%	
> 0 but < 1	2	1%	
1 to 2	47	16%	
2.1 to 5	34	12%	Mean= 223 pounds
5.1 to 10	22	8%	Median=4 pounds
10.1 to 50	39	14%	Range= 0 to 6,392 pounds
50.1 to 200	27	9%	
200.1 to 1,000	20	7%	
1,001 or more	<u>14</u>	<u>5%</u>	
Total	286	100%	

**OTHER RCRA WASTE (IN POUNDS)**

	<u>N</u>	<u>%</u>	
0	13	4%	
1 to 500	61	21%	
501 to 1,000	11	4%	Mean= 29,680 pounds
1,001 to 5,000	91	31%	Median=3,500 pounds
5,001 to 25,000	58	20%	Range= 0 to 530,550 pounds
25,001 to 74,999	24	8%	
75,000 or more	<u>37</u>	<u>13%</u>	
Total	295	100%	

14) In the above question, do the quantities measure the weight of P-list waste by:

	<u>N</u>	<u>%</u>
Waste only	132	42%
Complete lab-pack containing the waste	103	33%
Not sure	<u>78</u>	<u>25%</u>
Total	313	100%

15) In the above question, do the quantities measure the weight other RCRA waste by:

	<u>N</u>	<u>%</u>
Waste only	118	35%
Complete lab-pack containing the waste	160	47%
Not sure	<u>63</u>	<u>18%</u>
Total	341	100%

1) What is your generator status? Indicate the most common status if yours varies from month to month.

**Institutional Control by Generator Status**

	<u>Conditionally Exempt Small</u>		<u>Small Quantity</u>		<u>Large Quantity</u>	
	<u>Quantity Generator</u>		<u>Generator</u>		<u>Generator</u>	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Independent, Not-for-Profit	83	49%	60	36%	25	15%
Public (local, state, or federal)	59	28%	79	37%	75	35%
Other	1	25%	3	75%	0	0%

**Institutional Type by Generator Status**

	<u>Conditionally Exempt Small</u>		<u>Small Quantity</u>		<u>Large Quantity</u>	
	<u>Quantity Generator</u>		<u>Generator</u>		<u>Generator</u>	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
2-year community college or tech college	29	57%	21	41%	1	2%
4-year institution	103	33%	114	36%	97	31%
Other	11	55%	7	35%	2	10%

**Sector by Generator Status**

	<u>Conditionally Exempt Small</u>		<u>Small Quantity</u>		<u>Large Quantity</u>	
	<u>Quantity Generator</u>		<u>Generator</u>		<u>Generator</u>	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Public 2-Year	29	57%	21	41%	1	2%
Public 4-Year	27	17%	57	36%	73	46%
Independent 4-Year	75	49%	55	36%	24	16%
Other	12	52%	9	39%	2	9%

**Size by Generator Status**

	<u>Conditionally Exempt Small</u>		<u>Small Quantity</u>		<u>Large Quantity</u>	
	<u>Quantity Generator</u>		<u>Generator</u>		<u>Generator</u>	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Less than 1,000 FTE Enrollment	26	70%	10	27%	1	3%
1,000 to 4,999 FTE Enrollment	79	49%	65	40%	17	11%
5,000 to 9,999 FTE Enrollment	19	27%	34	49%	17	24%
10,000 or more FTE Enrollment	19	16%	33	28%	65	56%

**1) Please estimate the number of labs (that generate waste) on your campus based on the number of rooms.**

**Number of Labs (range) by Generator Status**

	0		> 0 but < 5		5 to 10		11 to 50		51 to 100		101 to 500		501 to 999		1,000 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Conditionally Exempt Small Quantity Generator	11	8%	47	34%	39	28%	35	26%	1	1%	4	3%	0	0%	0	0%
Small Quantity Generator	2	1%	14	10%	35	25%	56	40%	20	14%	13	9%	0	0%	0	0%
Large Quantity Generator	0	0%	2	2%	3	3%	9	9%	10	10%	40	41%	17	18%	16	16%

- Based on 374 respondents.
- 42 percent of conditionally exempt small quantity generators have less than five labs that generate waste. Of that 42 percent, 8 percent have no labs that generate waste.
- 96 percent of conditionally exempt small quantity generators have 50 labs or less that generate waste.
- Three-quarters of large quantity generators have over 101 labs that generate waste. Of that 75 percent, 16 percent have 1000 or more labs.

**2) Please estimate the number of art studios (that generate waste) on your campus based on the number of rooms.**

**Number of Art Studios (range) by Generator Status**

	0		1 to 2		3 to 5		6 to 20		21 to 49		50 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Conditionally Exempt Small Quantity Generator	25	19%	61	47%	28	21%	15	11%	2	2%	0	0%
Small Quantity Generator	9	7%	38	29%	42	32%	39	30%	1	1%	2	2%
Large Quantity Generator	3	3%	10	11%	21	23%	35	38%	14	15%	10	11%

- Based on 355 respondents.
- 87 percent of conditionally exempt small quantity generators have five art studios or less that generate waste. Of that 87 percent, 19 percent have no art studios that generate waste.



**3) What are the (estimated) annual costs of your hazardous waste program? Only include direct costs attributable to the hazardous waste program. Do not include administrative overhead or staff benefits.**

**Staff Salaries (range) by Control and Type of Institution**

	\$0- No Cost		> 0 but < \$10,000		\$10,000 to \$50,000		\$50,001 to \$100,000		\$100,001 to \$499,999		\$500,000 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Public 2-Year	6	15%	11	28%	13	33%	8	20%	2	5%	0	0%
Public 4-Year	1	1%	10	7%	52	37%	31	22%	40	29%	6	4%
Independent 4-Year	8	7%	25	23%	47	44%	16	15%	11	10%	1	1%
Other	5	36%	2	14%	4	29%	0	0%	3	21%	0	0%

- Based on 302 respondents.
- 61 percent of institutions have staff salaries of \$50,000 or less.
- 55 percent of public four-year institutions have staff salaries over \$50,000, compared to approximately one-quarter of both private four-year institutions and public two-year institutions.

**Staff Salaries (range) by Generator Status**

	\$0- No Cost		> 0 but < \$10,000		\$10,000 to \$50,000		\$50,001 to \$100,000		\$100,001 to \$499,999		\$500,000 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Conditionally Exempt Small Quantity Generator	17	18%	27	28%	40	42%	10	10%	2	2%	0	0%
Small Quantity Generator	2	2%	19	17%	60	53%	23	20%	10	9%	0	0%
Large Quantity Generator	0	0%	2	2%	15	17%	21	24%	43	49%	7	8%

- Based on 298 respondents.
- 88 percent of conditionally exempt small quantity generators and 72 percent of small quantity generators have staff salaries of \$50,000 or less, compared to 19 percent of institutions with large quantity generators.
- Over half (57%) of institutions with large quantity generators have staff salaries over \$100,000.

**Contractor Payments (range) by Control and Type of Institution**

	\$0- No Cost		> 0 but < \$10,000		\$10,000 to \$50,000		\$50,001 to \$100,000		\$10,001 to \$499,999		\$500,000 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Public 2-Year	5	10%	24	49%	20	41%	0	0%	0	0%	0	0%
Public 4-Year	1	1%	29	20%	64	44%	14	10%	36	25%	1	1%
Independent 4-Year	7	5%	55	41%	54	40%	5	4%	10	7%	3	2%
Other	4	22%	5	28%	7	39%	1	6%	1	6%	0	0%

- Based on 346 respondents.
- Regardless of type of institution, 80 percent of institutions paid their contractors \$50,000 or less.
- 36 percent of public four-year institutions pay their contractors over \$50,000.

**Contractor Payments (range) by Generator Status**

	\$0- No Cost		> 0 but < \$10,000		\$10,000 to \$50,000		\$50,001 to \$100,000		\$100,001 to \$499,999		\$500,000 or more	
	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>	<u>N</u>	<u>%</u>
Conditionally Exempt Small Quantity Generator	12	11%	75	66%	26	23%	1	1%	0	0%	0	0%
Small Quantity Generator	4	3%	30	23%	93	70%	3	2%	3	2%	0	0%
Large Quantity Generator	0	0%	3	3%	25	27%	16	18%	43	47%	4	4%

- Based on 338 respondents.
- 77 percent of conditionally exempt small quantity generators status pay contractors less than \$10,000.
- Over half (51 percent) large quantity generators status pay their contractors over \$100,000.
- As generator status level increases, dollars spent on contractors increases.

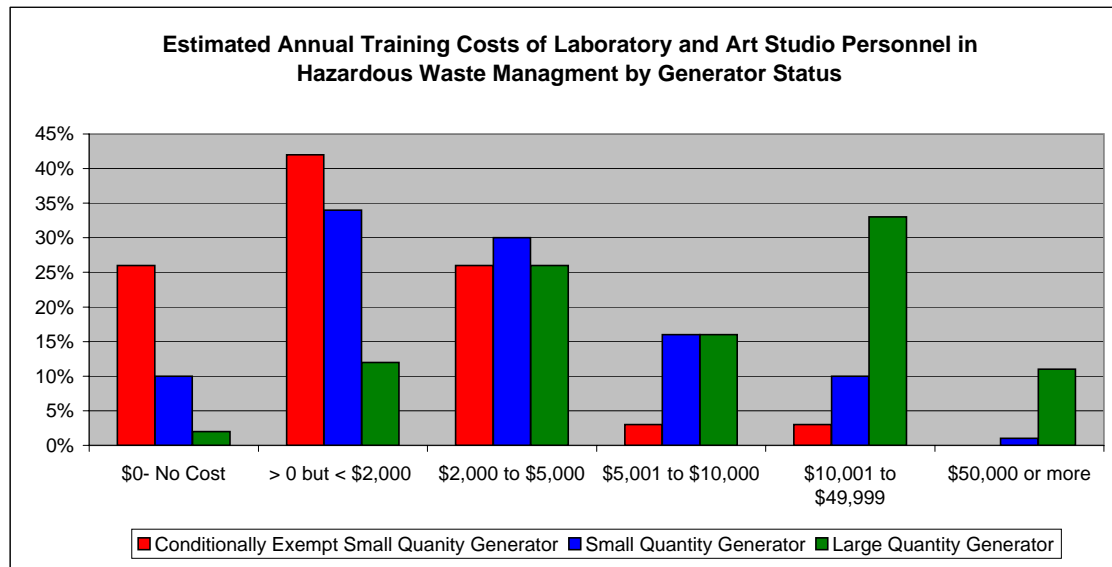
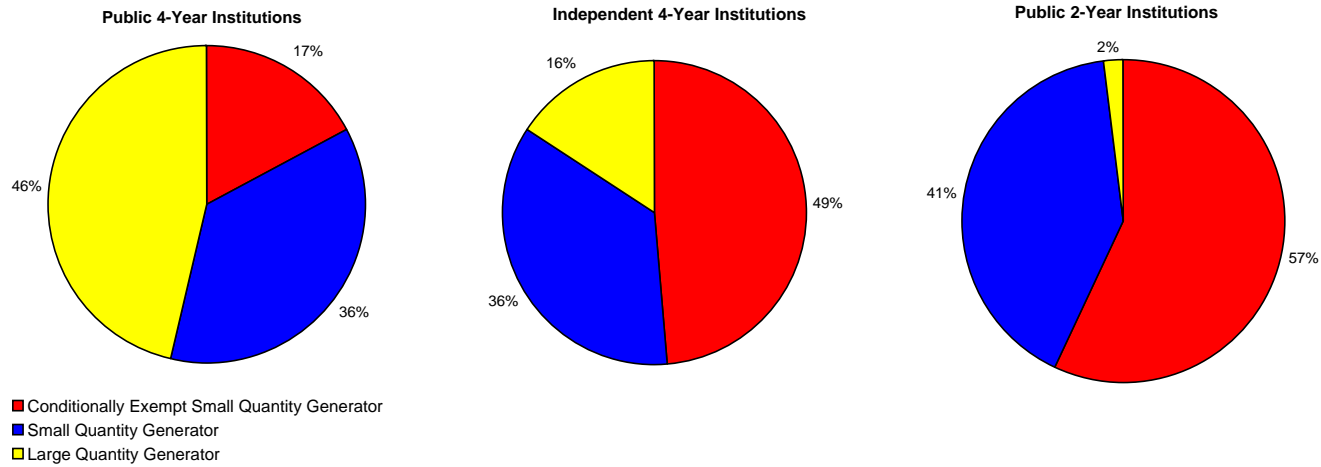
4) How much do you estimate that it costs your institution each year to train laboratory and art studio personnel in hazardous waste management?

**Training Costs (range) for Laboratory and Art Studio Personnel in Haz Waste Mgt. by Generator Status**

	<b>\$0- No Cost</b>		<b>&gt; 0 but &gt; \$2,000</b>		<b>\$2,000 to \$5,000</b>		<b>\$5,001 to \$10,000</b>		<b>\$10,001 to \$49,999</b>		<b>\$50,000 or more</b>	
	<b><u>N</u></b>	<b><u>%</u></b>	<b><u>N</u></b>	<b><u>%</u></b>	<b><u>N</u></b>	<b><u>%</u></b>	<b><u>N</u></b>	<b><u>%</u></b>	<b><u>N</u></b>	<b><u>%</u></b>	<b><u>N</u></b>	<b><u>%</u></b>
Conditionally Exempt Small Quantity Generator	27	26%	44	42%	27	26%	3	3%	3	3%	0	0%
Small Quantity Generator	11	10%	39	34%	34	30%	18	16%	11	10%	1	1%
Large Quantity Generator	2	2%	10	12%	22	26%	14	16%	28	33%	9	11%

- Based on 303 respondents.
- Almost all (94 percent) of conditionally exempt small quantity generators spent \$5,000 or less on training costs.
- Close to three-quarters (74 percent) of small quantity generators spent \$5,000 or less on training costs.
- Close to half (44%) of large quantity generators spent over \$10,000 on training costs.
- As generator status level increases, training costs increase.

### Generator Status at Each Institution Type



**Estimated Annual Costs of Hazardous Waste Program: Staff Salaries**

