

ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
UNITED STATES ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

January 14, 1975

L. Manning Muntzing
Director of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Muntzing:

Several nuclear power plants recently considered or currently under review by the ACRS will be located in states which heretofore have not been the site of a commercial nuclear electric generating station. Examples are the Summit Nuclear Power Station in Delaware, Grand Gulf Nuclear Power Units 1 and 2 in Mississippi, and the Waterford and the River Bend Nuclear Power Stations in Louisiana.

In its review of such plants, one of the items considered by the Committee is the capability of appropriate State regulatory agencies to monitor the facility under normal conditions and to respond with emergency action in case of a major environmental release of radioactive materials. In the examples cited, however, the latest published information (DHEW Publication FDA 75-8006) indicates that the total funds spent on environmental radiation surveillance activities during Fiscal Year 1973 in the three States cited were less than \$6,000.

Although hopefully each of these States is now developing a comprehensive environmental surveillance program, the Committee has no factual information to confirm this. In fact, published data show that the total funds being devoted nationwide to environmental radiation surveillance at the State level have decreased during recent years. Since we are sure you share our belief that surveillance programs are an essential part of the spectrum of activities necessary for the demonstration of safe operation of nuclear plants, we wanted to bring this potential problem to your attention and to encourage you to take whatever action you believe is appropriate to assist in promoting the development of a comprehensive environmental surveillance capability in all States, and most especially those in which commercial nuclear power plants are being built for the first time.

Sincerely yours,

/s/ W. Kerr

W. Kerr
Chairman

Attachments:
See Page 2

L. Manning Muntzing

-2-

January 14, 1975

Attachments:

Pages 39 and 41 from the
U. S. Dept. of HEW, "Rpt of
State & Local Radiological
Health Programs, Fiscal Year 1973"

Reference: U. S. Department of Health, Education, and Welfare, "Report
of State and Local Radiological Health Programs, Fiscal Year
1973" DHEW Publication (FDA) 75-0086 (July, 1974).

Table 1. - Total Expenditures^a for State and Local Radiological Health Activities by Program Area and State, Fiscal Year 1973

State	Total	Basic Planning and Administration	X-ray Survey and Control	Environmental Surveillance	Radioactive Materials	Electronic Products	Other Radiological Health Activities
Total	\$8,276.7	\$1,366.3	\$2,585.6	\$1,493.6	\$1,512.4	\$363.4	\$739.9
Alabama	181.0	27.2	61.3	37.3	44.7	3.1	7.6
Alaska	3.3	3.3	0.0	0.0	0.0	0.0	0.0
Arizona	179.9	13.5	45.0	9.0	39.4	5.6	67.3
Arkansas	127.5	12.8	38.3	25.5	38.3	6.4	6.4
California	N/R	N/R	N/R	N/R	N/R	N/R	N/R
Colorado	510.8	52.6	46.9	78.9	86.9	13.7	231.8
Connecticut	96.7	11.6	59.9	13.5	6.8	2.4	2.4
Delaware	20.7	3.1	12.4	2.1	1.0	1.0	1.0
District of Columbia	82.0	19.9	20.3	22.3	6.4	7.1	6.0
Florida	396.4	79.3	79.3	79.3	99.1	39.6	19.8
Georgia	413.2	41.3	103.3	103.3	103.3	41.3	20.7
Hawaii	24.0	3.6	9.6	1.2	3.6	6.0	0.0
Idaho	40.2	6.0	10.1	2.0	18.1	2.8	1.2
Illinois	293.3	55.7	184.8	17.6	8.8	2.9	23.5
Indiana	41.0	10.3	18.5	4.1	2.1	2.1	4.1
Iowa	39.5	3.9	13.8	19.7	1.2	0.8	0.0
Kansas	114.5	17.2	40.1	17.2	28.6	5.7	5.7
Kentucky	107.7	21.5	30.2	21.5	25.9	3.2	5.4
Louisiana	158.7	15.9	47.6	3.2	71.4	4.8	15.9
Maine	27.6	0.7	9.0	12.7	2.2	0.7	2.2
Maryland	259.6	23.4	80.5	90.9	62.3	2.6	0.0
Massachusetts	250.0	27.5	85.0	82.5	40.0	12.5	2.5
Michigan	N/R	N/R	N/R	N/R	N/R	N/R	N/R
Minnesota	56.9	5.1	18.2	31.9	0.6	0.6	0.6
Mississippi	69.7	13.9	31.3	0.3	23.0	0.3	0.7
Missouri	92.2	36.9	36.9	4.6	4.6	1.8	7.4
Montana	19.8	7.0	9.2	1.6	1.0	1.0	0.0
Nebraska	6.6	6.8	21.5	9.1	12.4	1.1	5.7
Nevada	N/R	N/R	N/R	N/R	N/R	N/R	N/R
New Hampshire	50.1	8.4	12.8	17.2	10.1	1.6	0.0
New Jersey	400.0	80.0	80.0	80.0	80.0	60.0	20.0
New Mexico	94.9	20.9	33.1	9.6	7.9	1.2	22.3
New York	1,588.3	254.6	642.4	246.0	266.9	53.9	124.5
North Carolina	186.9	31.8	102.8	28.0	18.7	0.0	5.6
North Dakota	27.2	3.5	9.6	3.8	9.8	0.5	0.0
Ohio	175.6	40.4	101.8	7.0	7.0	3.5	15.8
Oklahoma	116.3	26.7	58.2	17.4	11.6	2.3	0.0
Oregon	184.1	37.0	46.3	52.3	38.4	0.0	10.0
Pennsylvania	439.7	85.5	179.1	66.0	84.7	4.4	20.0
Rhode Island	65.8	19.8	17.5	16.2	1.6	5.7	4.9
South Carolina	233.6	35.0	23.4	116.8	49.1	7.0	2.3
South Dakota	20.6	3.1	14.4	1.0	0.0	2.1	0.0
Tennessee	194.0	50.4	50.4	3.9	35.9	3.9	48.5
Texas	243.7	24.4	48.7	24.4	114.6	24.4	7.3
Utah	38.0	5.3	14.1	4.4	1.8	4.4	8.0
Vermont	60.0	18.0	28.8	6.0	1.8	1.2	4.2
Virginia	77.0	15.4	27.0	27.0	3.9	1.9	1.9
Washington	148.5	34.2	52.0	37.1	22.3	3.0	0.0
West Virginia	34.2	2.8	29.3	0.3	1.0	0.5	0.2
Wisconsin	143.3	20.1	94.6	21.5	1.4	4.3	1.4
Wyoming	19.3	9.7	0.6	5.8	0.6	1.2	1.5
Puerto Rico	69.7	17.4	20.9	10.5	10.5	7.0	3.5
Virgin Islands	2.9	1.9	0.6	0.0	0.3	0.0	0.1

^a

In thousands of dollars.

Table 3. - Radiological Health Personnel^a Man Equivalence by
Program Area and State, Fiscal Year 1973

State	Total	Basic Planning and Administration	X-ray Survey and Control	Environmental Surveillance	Radioactive Materials	Nonionizing Radiation	Other Radiological Health Activities
Total	514.08	63.29	182.99	110.88	96.25	16.69	41.98
Alabama	12.50	1.20	4.55	3.90	2.50	.11	.24
Alaska	.10	.10	0	0	0	0	0
Arizona	6.40	1.05	2.85	.50	1.30	.50	.20
Arkansas	10.50	2.00	2.00	1.50	4.00	.50	.50
California ^b	51.20	2.34	22.53	7.57	16.21	.45	2.10
Colorado	16.20	1.65	1.65	3.15	2.80	.60	6.35
Connecticut	6.15	.65	2.15	2.50	.45	.20	.20
Delaware	2.00	.20	1.40	.20	.05	.10	.05
District of Columbia	5.88	1.43	1.45	1.60	.46	.51	.43
Florida	23.20	1.75	7.10	7.30	4.75	2.05	.25
Georgia	13.05	1.05	4.80	3.00	4.00	.20	0
Hawaii	2.05	.42	.52	.22	.42	.47	0
Idaho	2.00	.20	.55	.10	.95	.15	.05
Illinois	24.00	1.80	18.40	1.20	.50	.10	2.00
Indiana	3.00	.45	1.20	1.10	.05	.05	.15
Iowa	3.32	.45	.99	1.75	.07	.03	.03
Kansas	6.32	1.20	2.75	.83	.92	.20	.42
Kentucky	8.40	1.45	2.15	2.00	2.00	.30	.50
Louisiana	6.30	.60	1.95	.10	2.55	.20	.90
Maine	1.85	.05	.60	.85	.15	.05	.15
Maryland	11.75	.30	4.10	4.00	3.05	.20	.10
Massachusetts	10.25	1.10	3.10	3.75	1.70	.50	.10
Michigan	8.60	1.19	3.52	2.83	.50	0	.55
Minnesota	10.50	.75	3.70	5.55	0	0	.50
Mississippi	4.28	.89	1.94	.15	1.04	.16	.10
Missouri	3.90	.85	1.95	.45	.30	.11	.24
Montana	.90	.35	.30	.10	.05	.10	0
Nebraska ^c	6.18	.38	2.05	.85	1.80	.52	.58
Nevada ^b	2.00	N/R	N/R	N/R	N/R	N/R	N/R
New Hampshire	3.33	.33	1.40	1.05	.50	.05	0
New Jersey	18.00	1.90	5.15	7.40	1.30	1.55	.70
New Mexico	6.18	1.83	1.50	.70	.30	0	1.85
New York	62.30	11.20	16.25	11.70	14.10	1.90	7.15
North Carolina	18.06	.81	6.75	4.30	1.35	0	4.85
North Dakota	1.70	.22	.54	.52	.40	.02	0
Ohio	11.55	1.55	7.25	.60	.48	.31	1.36
Oklahoma	7.10	1.20	3.68	1.32	.82	.08	0
Oregon	14.50	1.60	3.50	3.65	4.10	0	1.65
Pennsylvania	22.29	4.49	8.26	3.54	4.48	.32	1.20
Rhode Island	3.32	.72	.65	1.47	.06	.22	.20
South Carolina	13.45	.90	2.05	8.30	1.80	.22	.18
South Dakota	1.30	1.00	.10	.05	0	.15	0
Tennessee	12.51	2.00	3.05	.15	4.06	.25	3.00
Texas	18.50	1.50	5.70	.60	7.30	2.00	1.40
Utah	1.90	.30	.80	.25	.10	.25	.20
Vermont	5.33	.98	1.20	2.75	.15	.15	.10
Virginia	4.41	.76	1.55	.95	.35	.15	.65
Washington	7.65	1.10	3.50	1.50	1.50	.05	0
West Virginia	3.50	1.00	2.25	.05	.13	.07	0
Wisconsin	6.00	.60	3.90	1.35	0	.02	.13
Wyoming	1.07	.34	.09	.31	.11	.11	.11
Puerto Rico	7.25	1.05	3.60	1.32	.28	.45	.55
Virgin Islands	.10	.06	.02	0	.01	0	.01

^aExcludes Federal personnel on loan to States.

^b1972 data.

^cIncludes three full time personnel from University of Nebraska.