

State of Alabama
CY 2020 FEMA Annual Letter
of
Certification
Supporting Documents

ALC Radiation Control Training Records for Calendar Year 2020

Henry County	
Emergency Worker	28
Personnel & Equipment Monitor	0
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	28

Limestone County	
Emergency Worker	98
Personnel & Equipment Monitor	0
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	98

Houston County	
Emergency Worker	144
Personnel & Equipment Monitor	79
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	17
Total	240

Madison County	
Emergency Worker	0
Personnel & Equipment Monitor	0
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	0

Lawrence County	
Emergency Worker	16
Personnel & Equipment Monitor	0
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	16

Morgan County	
Emergency Worker	295
Personnel & Equipment Monitor	95
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	390

Lauderdale County	
Emergency Worker	19
Personnel & Equipment Monitor	0
Hospital Medical Personnel	0
Emergency Medical Services	0
Radiological Field Monitoring Team	0
Expanded Radiological Emergency Response Team	0
Potassium Iodide Nurses	0
Total	19

Total Persons Trained	
EW	600
PEM	174
HMP	0
EMS	0
RFMT	0
ERERT	0
KI	17
Total	791
(654 ground training, 137 online training)	

Radiological Emergency Response Training

1. The Alabama Department of Public Health Office of Radiation Control (ADPH ORC), along with the county emergency management agencies (EMAs) within both of Alabama's nuclear power plants' 10-mile emergency planning zones (EPZs), and (when available) Alabama EMA conduct initial and annual training annually. Emergency worker (EW) and personnel & equipment monitor (PEM) training is provided to personnel who implement the radiological emergency response plan/procedures for nuclear power plants in the State of Alabama. See attachment "**2020 ORC ALC Radiation Control Training Records**" for details.
2. Due to the COVID-19 Public Health Emergency declared; radiological monitoring drills related to the plume EPZ were unable to be conducted in the State of Alabama. This includes the absence of integrated training drills, graded exercises, off-year exercises, and radiological field team trainings (both state and county teams).
3. Due to the COVID-19 Public Health Emergency declared; health physics drills were unable to be conducted with licensees in the State of Alabama. Health physics drills typically include the involvement of personnel and resources for dose assessment, and hospital and ambulance medical service drills (MSDs).

Emergency Facilities and Equipment

1. Inspection, inventory and operational checks were made of survey instruments utilized for radiological environmental monitoring and analysis at least once each calendar quarter and upon each use. ADPH ORC maintains radiological instrumentation for radiological field monitoring teams and laboratory. See attachment "**2020 ALC Radiation Control Inventory Records**" for details.
2. Radiological survey instruments utilized for measuring radiation during environmental monitoring and analysis were calibrated at intervals recommended by the supplier of the equipment. ADPH ORC maintains radiological instrumentation for radiological field monitoring teams and laboratory. See attachment "**2020 ALC Radiation Control Inventory Records**" for details.
3. Direct-reading dosimetry (DRDs) has been tested for accuracy. All DRDs were inspected for electrical leakage annually. ADPH ORC maintains DRDs for radiological field monitoring teams. See attachment "**2020 ALC Radiation Control Inventory Records**" for details.
4. The State of Alabama has sufficient quantities of potassium iodide (KI) for emergency workers, institutional individuals, and for the general population. ADPH ORC maintains placement, exchange, and training for issuance of potassium iodide (KI). The available quantities of KI are listed in attachment titled "**2020 ALC Radiation Control Potassium Iodide Documentation**". Also, please see the attachment "**2020 ORC ALC Radiation Control Training Records**" for details regarding the use and distribution of KI.
 - "Administration of Potassium Iodide by Public Health Nurses" Training – December 15-16, 2020
 - Participation: ADPH Southeastern District nurses from Henry, Houston, Barbour, Geneva, Crenshaw, Coffee, and Dale County Health Departments

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Radiological Equipment Inspected /Inventoried/Operationally Checked
Calendar Year 2020

Number	Survey Instrument: Model Type & S/N	1st Quarter: Date: 1/10 January-March	2nd Quarter: Date: 5/15 April-June	3rd Quarter: Date: 8 /21 July-September	4th Quarter: Date: 10 /23 October-December
1	Ludlum 14C S/N 149177	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
2	Ludlum 14C S/N 149189	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
3	Ludlum 14C S/N 149207	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
4	Ludlum 14C S/N 149225	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
5	Ludlum 14C S/N 149234	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
6	Ludlum 14C S/N 149243	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
7	Ludlum 14C S/N 210310	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
8	Ludlum 14C S/N 210618	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
9	Ludlum 14C S/N 226236	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
10	Ludlum 14C S/N 226167	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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11	Ludlum 14C S/N 226276	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
12	Ludlum 14C S/N 226264	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
13	Ludlum 14C S/N 226333	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
14	Ludlum 14C S/N 226237	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
15	Ludlum 14C S/N 226403	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
16	Ludlum 14C S/N 226354	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
17	Ludlum 14C S/N 226244	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
18	Ludlum 14C S/N 292580	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
19	Ludlum 14C S/N 292577	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
20	Ludlum 14C S/N 295027	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
21	Ludlum 14C S/N 292600	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
22	Ludlum 14C S/N 292607	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
23	Ludlum 14C S/N 292570	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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24	Ludlum 14C S/N 292596	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
25	Ludlum 14C S/N DPH304484	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
26	Ludlum 14C S/N 151323	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
27	Ludlum 14C S/N 210140	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
28	Ludlum 14C S/N 210409	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
29	Ludlum 14C S/N 210531	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
30	Ludlum 14C S/N 226252	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
31	Ludlum 14C S/N 210701	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
32	Ludlum 14C S/N 226154	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
33	Ludlum 14C S/N 226158	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
34	Ludlum 14C S/N 226271	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
35	Model 19 ADPH 75030	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
36	Model 19 ADPH 75031	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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37	Model 19 ADPH 75032	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
38	Model 19 ADPH 75033	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
39	Model 19 ADPH 75034	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
40	Model 19 ADPH 75035	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
41	Model 19 ADPH 75036	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
42	Model 19 ADPH 75037	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
43	Ludlum 9DP S/N 25003354	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
44	Ludlum 9DP S/N 25003377	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
45	Ludlum 9DP S/N 25009403	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
46	Ludlum 9DP S/N 25009401	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
47	Ludlum 9DP S/N 25009399	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
48	Ludlum 9DP S/N 25009393	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
49	Ludlum 9DP S/N 25009391	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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50	Ludlum 9DP S/N 25009386	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
51		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
52		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
53		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
54		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
55		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
56		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>
57		Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

Alabama Radiation Control
Radiological Equipment Inspected /Inventoried/Operationally Checked
Calendar Year-2020

Quantity	Dosimetry: Model Type & Range	1st Quarter: Date: 1/10 January-March	2nd Quarter: Date: 5/15 April-June	3rd Quarter: Date 8/21 July-September	4th Quarter: Date: 10 /23 October-December
155	200 mR	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
47	5R	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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0	20R	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
24	100R	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
40	Thermoluminescent-TLD	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Select	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

Alabama Radiation Control, Prattville
Radiological Equipment Inspected /Inventoried/Operationally Checked
Calendar Year-2020

Quantity	Air & Portal Monitor Model & Type S/N	1st Quarter: Date: 1/10 January-March	2nd Quarter: Date: 5/15 April-June	3rd Quarter: Date: 8/21 July-September	4th Quarter: Date: 10/23 October-December
2	Ludlum Portal Monitor S/N 224793/224797	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-809 S/N 2600	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-809 S/N 2976	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-809 S/N 2377	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-809 S/N 7882	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

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1	RADeCo H-809 S/N 2979	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 910	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 911	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 912	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 913	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 914	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	RADeCo H-810 S/N 915	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11002	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11104	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11195	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11196	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11198	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	F&J DF-AB-40L S/N 11200	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>

Alabama Radiation Control – Alabama Department of Public Health
208 Legends Court * Administrative Annex * Prattville, AL 36066

1	HL-Q Environmental S/N 19157	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	HL-Q Environmental S/N 19169	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	Remote light 23-87065 Office Vehicle	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	Remote light 23-87066 Calibration Room	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
1	Survey Wand S/N 260264	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
	Select S/N	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>	Yes <input type="checkbox"/> No <input type="checkbox"/>

COMMENTS:

Issuance of 2020 TLD permanent read badges (PRD) took place in July-August 2020. The office maintains an additional 40 blank badges in inventory as well as a stockpile (see below) of potassium iodide (KI) which is stored at the Office of Radiation Control, Prattville, AL.

160 packets x 20 tablets/packets = 3,200 tablets/box

1 box = 3,200 tablets

.5 box = 1,600 tablets

1.5 boxes = 4,800 tablets

Lot #: TU905A

Expiration: 10/2029

State of Alabama Potassium Iodide (KI) Stockpile
As of October 2, 2020

<u>FARLEY</u>	<u>BROWNS FERRY</u>
<p><u>Henry County Health Department</u> POC: Johna Cotton, DNP, CRNP (O) 334-695-3993 (C) 334-201-4796 500 Kirkland Street Abbeville, Alabama 36310 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>1 box = 3,200 tablets</i> Lot #: TU905A Expiration: 10/2029</p>	<p><u>Lauderdale County Health Department</u> POC: Kathy Linzey, RN (O) 256-678-5850 (C) 256-648-7365 4112 Chisholm Road Florence, AL 35630 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>4 boxes = 12,800 tablets</i> Lot #: TU905A Expiration: 10/2029</p> <p><u>Lawrence County Health Department</u> POC: Cathy Sanderson, RN (O) 256-560-6431 (C) 256-565-7816 13229 Alabama Highway 157 Moulton, AL 35650 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>8 boxes = 25,600 tablets</i> Lot #: TU905A Expiration: 10/2029</p>
<p><u>Houston County Health Department</u> POC: Elizabeth Dean, BSN, RN (O) 334-678-5834 (C) 334-701-1150 1781 E. Cottonwood Road Dothan, AL 36301-5309 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>13 boxes = 41,600 tablets</i> Lot #: TU905A Expiration: 10/2029</p>	<p><u>Limestone County Health Department</u> POC: Daphne Mcelyea, RN (O) 256-232-3200 (C) 256-874-9036 20371 Clyde Mabry Drive Athens, AL 35650 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>34 boxes = 108,800 tablets</i> Lot #: TU905A Expiration: 10/2029</p> <p><u>Morgan County Health Department</u> POC: Sherry Harris, RN (O) 256-560-6501 (C) 256-353-7021 3821 U.S. Highway 31 South Decatur, AL 35603 <i>65 mg Potassium Iodide (KI)</i> <i>160 packets x 20 tablets/packets = 3,200 tablets/box</i> <i>24 boxes = 76,800 tablets</i> Lot #: TU905A Expiration: 10/2029</p>

Browns Ferry Nuclear Plant
2020 Alert and Notification System Operability Data

Number of
Sirens

	Full Scale		Silent		Silent		Silent		Successful Test		Running Quarter Total Successes	Running Quarter Total Test
	Success	%	Success	%	Success	%	Success	%	Success	Total		
104	104	100.00%	104	100.00%	104	100.00%			208	208		
2020 JAN			104	100.00%	104	100.00%			208	208		
2020 FEB			104	100.00%	104	100.00%			208	208		
2020 MAR	104	100.00%	104	100.00%	104	100.00%			208	208	624	624
2020 APR	103	99.04%	104	100.00%	104	100.00%			311	312		
2020 MAY	103	99.04%	104	100.00%	104	100.00%			311	312		
2020 JUN	104	100.00%	104	100.00%	104	100.00%	104	100.00%	416	416	1038	1040
2020 JUL	104	100.00%	104	100.00%					208	208		
2020 AUG	104	100.00%	103	99.04%					207	208		
2020 SEP	104	100.00%	104	100.00%	104	100.00%			312	312	727	728
2020 OCT	104	100.00%	104	100.00%	104	99.89%			312	312		
2020 NOV	102	98.08%	104	100.00%	104	100.00%	104	100.00%	414	416		
2020 DEC	104	100.00%	104	100.00%					208	208	934	936

Last 12 Month Siren Data 3323 3328
99.85%

Prepared by:



Date

1/5/21

Reviewed by:



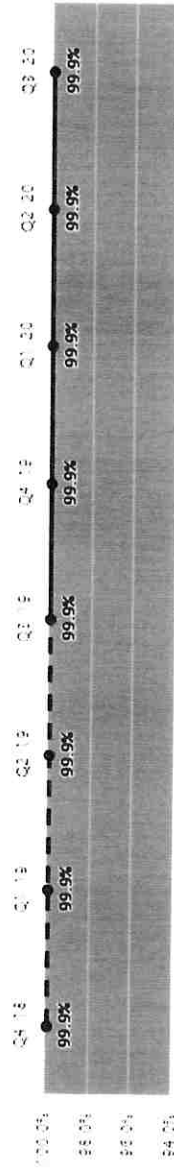
Date

1-5-21

Farley siren totals for the entire year of 2020:

- All Four Quarters in 2020 = 4715 successful siren-tests out of 4717 total sirens-tests.

Alert & Notification System



Thresholds: White < 94.0% Yellow < 90.0%

Notes

Alert & Notification System	Q4/18	Q1/19	Q2/19	Q3/19	Q4/19	Q1/20	Q2/20	Q3/20
Successful siren-tests	1330	1067	1157	1246	1246	1156	1157	1156
Total siren-tests	1335	1068	1157	1246	1246	1157	1157	1157
Indicator value	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%	99.9%

Q4/20 = 1246 successful siren-tests out of 1246 total sirens-tests. Note: Q4 includes the tests from the Annual Live Sounding.



STATE OF ALABAMA

PROCLAMATION

BY THE GOVERNOR

WHEREAS the Alabama Emergency Management Act of 1955, as amended, confers upon the Governor the power to proclaim a state of emergency when a public health emergency has occurred or is reasonably anticipated in the immediate future, *see* Ala. Code § 31-9-8;

WHEREAS the State Health Officer has reported the appearance of the 2019 novel coronavirus known as COVID-19 in the State of Alabama; and

WHEREAS the appearance of COVID-19 in the State indicates the potential of widespread exposure to an infectious agent that poses significant risk of substantial harm to a large number of people;

NOW, THEREFORE, I, Kay Ivey, Governor of the State of Alabama, on the recommendation of the State Health Officer and pursuant to relevant provisions of the Alabama Emergency Management Act of 1955, as amended, Ala. Code §§ 31-9-1 *et seq.*, do hereby declare that a state public health emergency exists in the State of Alabama. I direct the appropriate state agencies to exercise their statutory and regulatory authority to assist the communities and entities affected. I also direct the Alabama Department of Public Health and the Alabama Emergency Management Agency to seek federal assistance as may be available.

FURTHER, I hereby proclaim and direct all of the following:

I. Alternative standards of care

I find that COVID-19 cases could overwhelm the health care facilities and personnel of this State and undermine their ability to deliver patient care in the traditional, normal, and customary manner or using the traditional, normal, and customary standards of care. To that end:

- A. Health care facilities that have invoked their emergency operation plans in response to this public health emergency may implement the "alternative standards of care" plans provided therein, and those alternative standards of care are declared to be the state-approved standard of care in health care facilities to be executed by health care professionals and allied professions and occupations providing services in response to this outbreak.
- B. These alternative standards of care shall serve as the "standard of care" as defined in section 6-5-542(2), Code of Alabama, for the purposes of section 6-5-540 *et seq.* The "degree of care" owed to patients by licensed, registered, or certified health care professionals for the purposes of section 6-5-484 shall be the same degree of care set forth in the alternative-standards-of-care plans. To the extent that the provisions of section 6-5-540 *et seq.* are inconsistent with this order, those provisions are hereby suspended.

- C. All health care professionals and assisting personnel executing the alternative-standards-of-care plans in good faith are hereby declared to be "Emergency Management Workers" of the State of Alabama for the purposes of Title 31 of the Code of Alabama.
- D. The State Health Officer shall inform members of the public on how to protect themselves and on the actions being taken in response to this public health emergency.
- E. Any person suspected or confirmed as having COVID-19 shall obey the instructions given or communicated by the State Health Officer, or his designee, to prevent the spread of disease pursuant to section 22-11A-7, Code of Alabama. Instructions may include, but are not limited to, specific directions to be followed related to necessary self-monitoring, quarantine, and isolation. I direct all relevant state agencies to consult with the State Health Officer and provide all appropriate assistance to assure compliance with such instructions.

II. Price gouging

In accordance with sections 8-31-1 through 8-31-6 of the Code of Alabama, all persons are hereby placed on notice that it is unlawful for any person within the State of Alabama to impose unconscionable prices (i.e., to engage in "price gouging") for the sale or rental of any commodity or rental facility during the period of a declared state of emergency.

III. School closures

Any affected school system that is closed as a direct result of its response to COVID-19 and that loses student days or employee days, or both, may appeal to the State Superintendent of Education for relief in fulfilling the local school calendar with respect to student days or employee days, or both, with no loss of income to employees. *See* Ala. Code § 16-13-231(b)(1)c.2.

IV. State-government office closures

State government offices may be closed at the direction of the Governor. State agency heads will receive instructions from the Governor's Office or the State Personnel Director if closures are authorized.

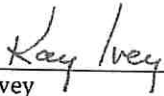
V. Waiver of certain federal hours-of-service requirements

Pursuant to 49 C.F.R. § 390.23, this declaration of a state of emergency facilitates a waiver of certain regulations of the U.S. Department of Transportation-Federal Motor Carrier Safety Administration (FMCSA), including 49 C.F.R. Part 395 (Hours of Service for Drivers), as it relates to the provision of emergency-or disaster-related materials, supplies, goods, and services. This waiver shall terminate at the earliest of (1) the conclusion of the motor carrier's or driver's direct assistance in providing emergency relief; (2) 30 days from the initial declaration of emergency; (3) the issuance of a proclamation terminating this State of Emergency; or (4) any other time dictated by the FMCSA's regulations. Motor carriers that have an out-of-service order in effect may not take advantage of the relief from regulation that this declaration provides under 49 C.F.R. § 390.23.

FURTHER, I declare that this proclamation and all subsequent orders, laws, rules, or regulations issued pursuant hereto shall remain in full force and effect for the duration of the public health emergency unless rescinded or extended by proclamation.

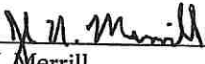


IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal to be affixed by the Secretary of State at the State Capitol in the City of Montgomery on this 13th day of March, 2020.



Kay Ivey
Governor

ATTEST:



John H. Merrill
Secretary of State



STATE OF ALABAMA
PROCLAMATION
 BY THE GOVERNOR

WHEREAS, on March 13, 2020, I declared the existence of a state public health emergency based on the appearance of the 2019 novel coronavirus known as COVID-19 in the State of Alabama;

WHEREAS that initial proclamation included provisions designed to assist in preventing the spread of COVID-19 and in mitigating the consequences of COVID-19;

WHEREAS I have issued supplemental proclamations to further address the occurrence of COVID-19 in the State of Alabama on March 18, 20, 23, and 26, April 2, 3, and 13, May 8 and 21, June 9 and 30, July 2, 15, and 29 of 2020, and August 21 of 2020; and

WHEREAS new implications of COVID-19 come to light on a continual basis, requiring flexibility and adaptability by all levels of government within the State of Alabama;

NOW THEREFORE, I, Kay Ivey, Governor of the State of Alabama, pursuant to the relevant provisions of the Alabama Emergency Management Act of 1955, as amended, Ala. Code §§ 31-9-1, *et seq.*, do hereby proclaim the existence of conditions that warrant implementation of additional extraordinary measures and relief during the state public health emergency now in effect in order to guard public health and protect human life. I therefore proclaim and direct all of the following:

I. Extending the statewide "Safer at Home" health order

To reduce the spread of COVID-19, I hereby extend the "Safer at Home" health order by incorporating the attached "Order of the State Health Officer Suspending Certain Public Health Gatherings Due to Risk of Infection by COVID-19," signed today by the State Health Officer, into this proclamation as if fully set forth herein. Further, I specifically promulgate that order as an order, rule, or regulation under the applicable provisions of the Emergency Management Act. *See, e.g.*, Ala. Code §§ 31-9-6(1) & 31-9-13. The law-enforcing authorities of the state shall enforce that order as any other order, rule, or regulation promulgated by the Governor under that Act, *see id.* § 31-9-14, and the penalty for violating it shall be a fine of not more than \$500 or imprisonment in the county jail as set forth in the Act, *see, e.g., id.* § 31-9-22.

II. Extending the public health emergency

Under the Emergency Management Act, a state of emergency terminates sixty days after the date on which it was proclaimed unless the Governor extends the emergency by proclamation. *See* Ala. Code § 31-9-8(a). On May 8, 2020, I extended the emergency initially proclaimed on March 13, 2020, by sixty days, from May 12, 2020, until July 11, 2020. And on July 2, 2020, I extended the same emergency an additional sixty days from July 11, 2020, until September 9, 2020.

Due to the continuing impact of COVID-19, conditions of disaster or extreme peril to the safety of persons and property continue to exist within the State of Alabama.

Therefore, I hereby extend the emergency initially proclaimed on March 13, 2020, by an additional sixty days from September 9, 2020, until November 8, 2020.

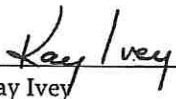
At this time, it is impossible to predict how long the COVID-19 pandemic will require the existence of a state of emergency. Nevertheless, I understand and appreciate the substantial reliance that many people, businesses, and government entities have come to place on the measures adopted in the various emergency proclamations I have issued as part of the State's COVID-19 response. To assist these people, businesses, and government entities in planning for the future, I intend to give ample advance notice of any decision to terminate the state of emergency, whenever that date may be.

FURTHER, to the extent a provision in this supplemental proclamation conflicts with any provision of state law, that law is hereby suspended for the duration of this state of emergency, and this proclamation shall control.

FURTHER, I declare that this proclamation and all subsequent orders, laws, rules, or regulations issued pursuant hereto shall remain in full force and effect for the duration of the public health emergency unless rescinded or extended by proclamation.



IN WITNESS, WHEREOF, I have hereunto set my hand and caused the Great Seal to be affixed by the Secretary of State at the State Capitol in the City of Montgomery on this 27th day of August, 2020.



Kay Ivey
Governor

ATTEST:



John H. Merrill
Secretary of State


U.S. Department of Homeland Security
Washington, DC 20472



FEMA

October 7, 2020

MEMORANDUM FOR: Gracia B. Szczech
Regional Administrator, Region IV

FROM: Bridget Bean  2020.10.07
Deputy Administrator (A), Resilience 13:59:48 -04'00'

SUBJECT: Approval of the Requested Relief from the Biennial
Radiological Emergency Preparedness Program Exercise

Pursuant to 44 C.F.R. Section 350.9(c), "Exercises," the request for approval for relief from the frequency requirement to conduct the biennial radiological emergency preparedness (REP) exercise for the State of Alabama is approved. The Technological Hazards Division acknowledges that the Joseph M. Farley Nuclear Plant (FNP) Biennial Radiological Emergency Preparedness Program Exercise will be rescheduled for September 21, 2021.

If you have questions, or additional information is required, please contact Michael S. Casey, Ph.D., Director, Technological Hazards Division, Michael.Casey@fema.dhs.gov.

cc: Federal Preparedness Coordinator, Region IV
Regional Assistance Committee Chair, Region IV
Director, Technological Hazards Division
Acting REPP Branch Chief, FEMA THD

2020 TVA DRILL SCHEDULE

Rev 7

1st Qtr

January							1						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
5	6	7	8	9	10	11							
12	13	14	15	16	17	18							
19	HOL	21	22	23	24	25							
26	27	28	29	30	31								
February							2						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
2	3	4	BFN	6	7	8							
9	10	11	12	13	14	15							
16	HOL	18	19	20	21	22							
23	24	25	26	27	28	29							
March							3						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7							
8	9	10	SN	12	13	14							
15	16	17	18	19	20	21							
22	23	24	25	26	27	28							
29	30	31											

2nd Qtr

April							4						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
5	6	7	8	9	10	11							
12	13	14	15	16	17	18							
19	20	21	22	23	24	25							
26	27	28	29	30									
May							5						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
3	4	5	6	7	8	9							
10	11	12	13	14	15	16							
17	18	19	20	21	22	23							
24	HOL	26	27	28	29	30							
31													
June							6						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
7	8	9	10	11	12	13							
14	15	16	17	18	19	20							
21	22	23	24	25	26	27							
28	29	30											

3rd Qtr

July							7						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
5	6	7	8	9	10	11							
12	13	14	15	16	17	18							
19	20	21	22	23	24	25							
26	27	28	29	30	31								
August							8						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
2	3	4	5	6	7	8							
9	10	11	12	13	14	15							
16	17	18	19	20	21	22							
23	24	25	26	27	28	29							
30	31												
September							9						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
6	HOL	8	9	10	11	12							
13	14	15	16	17	18	19							
20	21	22	23	24	25	26							
27	28	29	30										

4th Qtr

October							10						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
4	5	6	7	8	9	10							
11	HOL	13	14	15	16	17							
18	19	20	21	22	23	24							
25	26	27	28	29	30	31							
November							11						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
1	2	3	4	5	6	7							
8	9	10	11	12	13	14							
15	16	17	18	19	20	21							
22	23	24	25	26	27	28							
29	30												
December							12						
SUN	MON	TUE	WED	THU	FRI	SAT	SUN	MON	TUE	WED	THU	FRI	SAT
6	7	8	9	10	11	12							
13	14	15	16	17	18	19							
20	21	22	23	24	25	26							
27	28	29	30	31									

A Team

WBN 2/26

BFN 7/15 (Site "D" Corp "A")
SQN 8/12

B Team

BFN 2/5

SQN ITD 9/16

SQN GE 10/14
SQN EMPE 12/8

C Team

SQN 3/11

BFN OYA 11/18
WBN 12/16

D Team

WBN OYA 9/30

EMPE: INPO Eval

OYA: Off Year Activity

GE: Graded Exercise

ITD: Integrated Training Drill

2020 Exercise/L...III Schedule (DRAFT)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
FARLEY				21 st FEMA/NRC								
HATCH			H1 R Outage 2/8 - 3/6									
VOGTLE 1-2		19 th	V1 R Outage 3/23 - 4/17	19 th FEMA/NRC						28 th		
VOGTLE 3-4										13 th Unit 3 NRC/FEMA		



KAY IVEY
GOVERNOR

STATE OF ALABAMA
EMERGENCY MANAGEMENT AGENCY

5898 COUNTY ROAD 41 • P.O. DRAWER 2160 • CLANTON, ALABAMA 35046-2160
(205) 280-2200 FAX # (205) 280-2495



BRIAN E. HASTINGS
DIRECTOR

September 10, 2020

W Montague Winfield
Acting Regional Advisory Council Chairperson
National Preparedness Division
U. S. Department of Homeland Security
Federal Emergency Management Agency
3005 Chamblee Tucker Road
Atlanta, Georgia 30341

RE: Rescheduling Joseph M. Farley Nuclear Power Plant 2021 Evaluated Exercise

Dear Mr. Acting Chairperson:

On January 13, 2020, the U.S. Department of Health and Human Services (HHS) declared a public health emergency for the United States to aid the nation's healthcare community in responding to the Coronavirus Disease (COVID-19). On March 11, 2020, the COVID-19 outbreak was characterized as a pandemic by the World Health Organization (WHO).

As a result of closely monitoring the evolving outbreak, the State of Alabama's Public Health Officer declared a State Public Health Emergency March 13, 2020. This public health emergency directed the appropriate state agencies to exercise their statutory and regulatory authority to assist communities and entities that have been affected by COVID-19. The State of Alabama's Public Health Officer extended the "Safer at Home" public health order August 27, 2020 and shall remain in full force and effect until October 2, 2020. This Health Order addressed facial coverings for individuals and suspended certain gathering due to risk of infection by COVID-19.

At this time the State of Alabama Emergency Management Agency is requesting that the FY 2020 Evaluated Joseph M. Farley Nuclear Power Plant exercise be rescheduled from June 30, 2020 to September 21, 2021. Due to Alabama's response of protecting the health and welfare of the public during this global pandemic, implementing social distancing measures to prevent the spread of COVID-19, and numerous conflicts with the off-site response organizations' calendars, all involved parties believe that rescheduling to September 21, 2021 would ensure full participation and an adequate demonstration of off-site procedures and/or response capabilities. The Farley OROs, Southern Company, and the Nuclear Regulatory Commission have concurred, and we propose rescheduling to the 21st of September 2021.



KAY IVEY
GOVERNOR

STATE OF ALABAMA
EMERGENCY MANAGEMENT AGENCY

5898 COUNTY ROAD 41 • P.O. DRAWER 2160 • CLANTON, ALABAMA 35046-2160
(205) 280-2200 FAX # (205) 280-2495



BRIAN E. HASTINGS
DIRECTOR

If you have any questions, please contact Quinton Dailey, Technical Hazards Coordinator
(205) 280-2406.

Sincerely,

A handwritten signature in black ink, appearing to read "Ricky W. Adams".

Ricky W. Adams
Director of Field Operations

RWA/qd

cc: John Ackermann, Federal Emergency Management Agency
David Tuberville, ADPH/Radiation Control
Chris Judah, Houston Co EMA
Ronnie Dollar, Henry Co EMA
Jeff Morrison, Georgia EMA
Tony Gentry, Early Co EMA
Barty Simonton, Georgia DNR
Cherie Cornelius, Southern Nuclear Co
John Perkins, Southern Nuclear Co
David Simmons, Southern Nuclear Co
William Gilbert, Southern Nuclear Co



KAY IVEY
GOVERNOR

STATE OF ALABAMA EMERGENCY MANAGEMENT AGENCY

5898 COUNTY ROAD 41 • P.O. DRAWER 2160 • CLANTON, ALABAMA 35046-2160
(205) 280-2200 FAX # (205) 280-2495



BRIAN E. HASTINGS
DIRECTOR

January 25, 2021

W Montague Winfield
Acting Regional Advisory Council Chairperson
National Preparedness Division
U. S. Department of Homeland Security
Federal Emergency Management Agency
3003 Chamblee Tucker Road
Atlanta, Georgia 30341

Dear Mr. Chairperson:

As a requirement of the Radiological Emergency Preparedness Program, this Annual Letter of Certification (ALC) for CY 2020 validates that the periodic requirements of the program with applicable portions of NUREG-0654/FEMA-REP-1 (Revision 2) (December 2019) and 44 CFR 350 for the State of Alabama have been met. This letter pertains to Browns Ferry Nuclear Power Plant (BFNPP) and Joseph M. Farley Nuclear Power Plant (FNPP). Each plant will be addressed separately in the following narrative.

Browns Ferry Nuclear Power Plant

- A. Update of Plans/Procedures and Letters of Agreement:** A Standard Operating Guide (SOG) was updated and completed for BFNPP in June 2019. The Browns Ferry affected counties made minor changes to local plans and SOGs during CY 2020. Letters of Agreement were reviewed locally and by Alabama Emergency Management Agency (AEMA). AEMA and ADPH/ORC concur via Memorandum of Agreement (MOA) regarding calibration services of radiation detection equipment maintained for the Radiological Emergency Preparedness (REP) counties in Alabama. The Radiological Annex to the State of Alabama Emergency Operations Plan (EOP) was completed in September 2019 for inclusion in the overall State of Alabama EOP. Tennessee Valley Authority (TVA) Emergency Action Levels (EALs) changes were reviewed and distributed to REP counties in Alabama. AEMA, ADPH/ORC, TVA, and the respective county representatives participated in quarterly meetings, conferences, and other events as requested to support REP planning, coordination, and enhanced communications. Quarterly meetings held in June, August, and November 2020 were held via teleconference due to the COVID-19 Pandemic.
- B. Public Education and Information:** A 2021 calendar with emergency public information was printed and distributed via mail to the population in the 10-mile Emergency Planning Zone (EPZ) of BFNPP in December 2020. Yearly information is distributed by local EMAs to the transient population in the Browns Ferry EPZ through calendars with emergency public information that are available at the local parks, senior centers, and boat ramps (posted on bulletin boards). A surplus of additional calendars is stored at each county EMA for interested persons. Public information signs are posted and maintained quarterly by local EMAs at boat docks, marinas, and parks that identify the local radio stations to tune in to for additional emergency information. Each county reviews evacuation routes and signs posted in public parks, recreation areas, and boat landings inside the EPZ and replacements or repairs are made as necessary. No expansions or additions were made to parks or recreational areas within the plume EPZ. Ingestion Pathway brochures were updated in 2016. Those brochures were delivered to the local EMAs within the Ingestion Pathway by request. During the year



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numerous briefings, orientations, and training sessions were provided to local officials and volunteers by the counties, ADPH/ORC, TVA, and AEMA to provide enhanced public and media awareness of radiological emergency planning. TVA media day was held December 09, 2020.

- C. *Radiological Emergency Response Training*: ADPH/ORC and AEMA conducted training classes jointly for 523 emergency workers in Lauderdale, Lawrence, Limestone, Madison, and Morgan Counties. The training included overviews of Alabama Radiological Annex, state and federal agencies response procedures, Emergency Classification Levels, local procedures, and the fundamentals of radiation and equipment use. The purpose of this training is to enhance the capabilities of response to an incident, correctly operate equipment, and gain awareness of response requirements (see Attachment #1 for county specific training details). AEMA REP staff also attended statewide trainings offered throughout the year.
- D. *Drills*: TVA has provided an updated Emergency Communications Notification System (ECNS) network for Limestone, Lawrence, Morgan, Lauderdale and Madison counties that is linked to the SEOC in Clanton, the State Radiological Monitoring Assessment Center (SRMAC) in Decatur, and the Prattville SRMAC. Weekly communications checks are conducted every Wednesday utilizing this network. All counties including ingestion pathway have 800-megahertz radios that are used regularly. Existing fax and email capabilities between the counties and the SEOC are tested during drills and exercises. WebEOC is also used daily to communicate with offsite agencies. The National Warning System (NAWAS) is checked at the SEOC daily. AEMA also participates in weekly Federal Emergency Management Agency (FEMA) National Radio System drills and FEMA daily status checks. Quarterly Communication drills were conducted with TVA, AEMA, ADPH/ORC, and affected counties on the following dates: January 29th, February 5th, July 15th, November 5th, and December 15th. Communications were also tested during the Browns Ferry Off Year Exercise on November 18, 2020. ADPH/ORC also conducted radiological monitoring/health physics drills (see Attachment #2).
- E. *24-Hour Staffing*: Sufficient staffing exists for twenty-four hour operation of the SEOC, SRMAC, and county EOCs.
- F. *Emergency Facilities and Equipment*: The Emergency Communication Notification System (ECNS) portals are located in all REP county EOCs, SRMACs, and the SEOC. ECNS is tested weekly and operational. The SEOC, SRMAC, and County EOCs were activated and utilized during the Browns Ferry Off Year Exercise on November 18, 2020. Each of the counties in the 10-mile EPZ have established and published a fixed location for the storing and issuing of dosimeters, chargers, survey meters, and portal monitors. AEMA has partnered with ADPH/ORC via MOA to provide calibration services for radiation detection equipment located in REP counties. There have been no changes to reception centers and existing congregate care center locations and capabilities. The facilities are adequate and available for emergency response use. The exchange of thermoluminescent dosimeters was completed July 21, 2020. Instruments located in the counties are inventoried, inspected, and operationally checked each quarter and after exercises or drills (see Attachment #3 for the type of equipment/instruments and their dates of calibration). ADPH/ORC verifies the quantity and expiration dates of the potassium iodide (KI) supplies (see Attachment #4).
- G. *Alert and Notification (NUREG-0654 Appendix 3)*: Lawrence, Lauderdale, Limestone, and Morgan Counties test the Public Notification System (PNS) twice a month. The 2020 operability rating of the BFN Alert and Notification System (ANS) sirens are based on a simple average of monthly soundings and bi-weekly silent tests (see Attachment #5). Route alerting is a FEMA approved back-up system for the Browns Ferry EPZ. Routes, alerting methods, and resources remain unchanged.



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Farley Nuclear Power Plant

- A. Update of Plans/Procedures and Letters of Agreement: A Standard Operating Guide (SOG) was updated and completed for Farley NPP in March 2020. The Farley NPP affected counties made minor changes to local plans and SOGs during CY 2020. Letters of Agreement and MOUs were reviewed locally and by AEMA. AEMA and ADPH/ORC concur via Memorandum of Agreement (MOA) regarding calibration services of radiation detection equipment maintained for the Radiological Emergency Preparedness (REP) counties in Alabama. The Radiological Annex to the State of Alabama Emergency Operations Plan (EOP) was completed in September 2019 for inclusion in the overall State of Alabama EOP. AEMA, ADPH/ORC, TVA, and the respective county representatives participated in quarterly meetings and other meetings as requested to support REP planning, coordination, and enhanced communications. Quarterly meetings were conducted in April, July, and November 2020 via teleconference due to the COVID-19 Pandemic.
- B. Public Education and Information: Southern Nuclear Operating Company (SNC) calendar/information brochure was distributed via mail to residents in the Farley Nuclear Power Plant (FNPP) 10-mile EPZ in December 2020. Joint planning and coordination meetings among SNC, Houston County EMA, Henry County EMA, AEMA, ADPH/ORC, Georgia Emergency Management & Homeland Security Agency (GEMA/HS), Georgia Department of Natural Resources (GDNR), Early County Georgia EMA, Florida Department of Emergency Management, and Florida Department of Public Health were conducted quarterly. Media day was held virtually on November 10, 2020 to acquaint the news media with emergency information concerning SNC's nuclear power plant. Houston County in partnership with SNC reviews evacuation routes and signs. Replacements or repairs were made as necessary. Information is distributed to the transient population in the Farley EPZ through brochures with emergency public information that are available at Houston County EMA. Public information signs posted in public parks and recreation areas were checked frequently. No expansions or additions were made to parks or recreational areas within the plume EPZ. Ingestion Pathway brochures were updated in 2016. Those brochures are delivered to the local EMAs within the Ingestion Pathway by request.
- C. Radiological Emergency Response Training: ADPH/ORC and AEMA conducted training classes jointly for emergency workers in Houston and Henry counties with a total trained of 268. The training included Radiological Annex overview, a review of state and federal agencies response procedures, emergency classification levels, local procedures, and fundamentals of radiation and equipment use. The purpose of this training is to enhance response capabilities to an incident, correctly operate equipment, and have awareness of response requirements (see Attachment #1 for county specific training details).
- D. Drills: SNC has provided a dedicated telephone between FNPP, Houston County EOC, SEOC, SRMAC Dothan, SRMAC Prattville, GEMA/HS, and the Southern Nuclear Emergency Operations Facility (EOF) in Birmingham Alabama. This telephone is the Emergency Notification Network (ENN). The ENN is checked monthly and was utilized during the September 08, 2020 communications drill in lieu of the June 30, 2020 evaluated exercise. On January 13, 2020, the U.S. Department of Health and Human Services (HHS) declared a public health emergency for the United States to aid the nation's healthcare community in responding to the Coronavirus Disease (COVID-19). On March 11, 2020, the COVID-19 outbreak was characterized as a pandemic by the World Health Organization (WHO). As a result of closely monitoring the evolving outbreak, the State of Alabama's Public Health Officer declared a State Public Health Emergency March 13, 2020 (see Attachment #7). This public health emergency directed the appropriate state agencies to exercise their statutory and regulatory authority to assist communities and entities that have been affected by COVID-19. The State of Alabama's Public Health Officer extended the "Safer at Home" Public Health Order August 27, 2020 and



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remained effective until September 09, 2020 (see Attachment #8). This Health Order addressed facial coverings for individuals and suspended certain gatherings due to risk of infection by COVID-19.

Due to the evolving nature of the COVID-19 Pandemic, The State of Alabama was approved by FEMA Region IV to reschedule the Joseph M. Farley Nuclear Plant Biennial Radiological Emergency Preparedness Program Exercise which will now be held on September 21, 2021 (see Attachment #9).

A quarterly communications drill is conducted with Florida and Georgia for those counties in the 50-mile ingestion pathway zone. AEMA participates in daily communication checks with GEMA/HS and Plant Farley counties. E-mail, fax, and WebEOC are used on a regular basis to communicate with state agencies and counties. The National Warning System (NAWAS) is checked at the SEOC daily. AEMA also participates in weekly FEMA National Radio System drills and daily FEMA status checks. The utility, states, and counties participated in the September 08, 2020 communications drill. Due to the COVID-19 Public Health Emergency; Health Physics Drills were unable to be conducted with licensees in the State of Alabama. Health Physics Drills typically include the involvement of personnel and resources for dose assessment, hospital, and ambulance Medical Service Drills (see Attachment #2).

- E. 24-Hour Staffing: Sufficient staffing exists for twenty-four hour operation of the SEOC, SRMAC, Henry County EOC, and Houston County EOC.
- F. Emergency Facilities and Equipment: The Dothan/Houston County EOC, SEOC, and SRMAC were activated and utilized during the September 08, 2020 communications drill. All radiological equipment is stored at the Dothan/Houston County EMA and is inventoried, checked quarterly, and after exercises. AEMA has partnered with ADPH/ORC via MOA to provide calibration services for radiation detection equipment located in REP counties. There have been no changes to reception center and existing congregate care center locations and capabilities. The facilities are adequate and available for emergency response use. Equipment and supplies are sufficient and meet current needs. Radiological equipment is available for the Field Monitoring Teams (FMT) as well as at the Houston County Health Department (see Attachment #3). ADPH/ORC verifies the quantity and expiration dates of the potassium iodide (KI) supplies (see Attachment #4 for specific expiration dates).
- G. Alert and Notification: Houston County, Henry County, and Early County Georgia along with SNC performed a test of the sirens monthly in 2020 for a full sound test (see Attachment # 6). The Code Red system is also tested once a month for accuracy.



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If you have any questions, please contact Mr. Quinton Dailey, Technical Hazards Coordinator at 205-280-2406.

Respectfully,

Brian Hastings, Col (ret), UASF
Director
Alabama Emergency Management Agency

9 Attachments

Enclosures: 2 calendars

1 TVA Drill Schedule

1 SNC Exercise/Drill Schedule

Copies: Kevin Wells/FEMA RIV
Glenda Bryson/FEMA RIV
Gene Taylor/FEMA RIV
Southern Nuclear Operating Company
Tennessee Valley Authority
ADPH/Office of Radiation Control
REP Counties