

**Department of Homeland Security - Federal Emergency Management Agency
Radiological Emergency Preparedness Program**

**ANNUAL LETTER OF CERTIFICATION REVIEW GUIDE
STATE OF OHIO – Review of Calendar Year 2020
(Review Date: February 17, 2021)**

Purpose:

To provide guidance for review and evaluation of the Annual Letter of Certification (ALC) submitted by the States for compliance with periodic requirements.

Scope:

The State ALC is reviewed to determine whether all information/documentation is included pursuant to laws and regulations and the Federal Emergency Management Agency (FEMA) Radiological Emergency Preparedness (REP) Program Manual. Information contained in the ALC is compared with the offsite response organizations (ORO) plans/procedures and the Alert and Notification System (ANS) design reports for consistency and accuracy.
P 44 CFR part 350.5 (Planning Standards)
P NUREG-0654/FEMA-REP-1
P FEMA REP Program Manual

Note:

The year 2020 presented several major differences in the Ohio Radiological Emergency Preparedness Program than previous years. The first major change was the bankruptcy and restructuring of First Energy including their nuclear power operations. After restructuring the new company name for the nuclear generation division is Energy Harbor Nuclear, which will be abbreviated EHN throughout the ALC and used regardless of the company name at the time of an action. The second challenge was the COVID-19 Public Health Emergency, which affected many areas covered in the ALC. Sections impacted will have notes, and a Corrective Action Plan (CAP) noted. Documentation related denoted by enclosure.

Confirm that the ALC includes the following items:

Update of Plans/Procedures and Letters of Agreement

1. A statement that ORO plans/procedures and Letters of Agreement (LOAs) have been reviewed for accuracy and completeness of information, and appropriate changes made. Updated LOAs and plan/procedure amendments must be submitted if not received previously (NUREG-0654/FEMA-REP-1, LOA Evaluation Criteria: A.3, C.3, C.4, C.6, E.5, I.7, I.8, I.11, J.10.g,h,k, L.1, L.4, P.4).

	Yes	No	N/A	ALC Reference / Comments
	X			LOAs/MOUs were submitted in Enclosure 20. Plans for the State and Counties were submitted <u>January 2020 (not included in ALC)</u> . Lucas County - Not completed due to COVID, Corrective Action Plan (CAP): complete in 2021.

Public Education and Information

1. A statement that annual dissemination of information to the public was performed, and that the information includes how the public will be notified and what their actions should be in an emergency. This may be accomplished by, but not necessarily limited to, annual publications, periodic information in utility bills, and information in telephone books. (NUREG-0654/FEMA- REP-1, Evaluation Criteria G.1 and G.2)

	Yes	No	N/A	ALC Reference / Comments
This statement must include:				
a. Dates of dissemination.	X			PNPP - Brochure - 11/27/2020; Twitter/Newspaper - 1/8, 4/8, 7/8, 10/14/2020; Telephone Directories - 10/1/2020. DBNPS - Brochure - 11/19/2020; Scheduled Tweets - 1/3, 2/7, 3/6, 4/3, 5/1, 6/5, 7/3, 8/7, 9/4, 10/2, 10/9, 11/6,12/4/2020; Telephone Directory - 03/05/2020. BVPS - Brochure - 11/18/2020; Scheduled Tweet - 9/10/2020; Telephone Directory - 08/21/2020.

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b.	Means of dissemination.	X			<u>PNPP</u> - Brochure, Twitter/Newspaper, Telephone Directory. <u>DBNPS</u> - Brochure, Twitter, Telephone Directory. <u>BVPS</u> - Brochure, Twitter, Telephone Directory.
c.	Identification of recipients.	X			Enclosure 17: Brochures are mailed to all postal addresses within the 10-mile EPZ by EHN during the month shown in the table below. Tweets are sent by EHN to coincide with all audible alarm tests, and the dates that the telephone directory copy was approved for publication is noted. Quantities of phone books printed and distributed are not listed as the directories are distributed beyond the bounds of the EPZ in most cases.
d.	Copies of all public information materials.	X			Copies were submitted in Enclosures: 1,2,4,6,7,8, 11,14, & 15.
2.	A statement that emergency information was disseminated to locations frequented by transient populations in the emergency planning zone (EPZ), including (if applicable) hotels, motels, gas stations, phone booths, parks, marinas, boats, and other recreational areas. This may be accomplished by, but need not be limited to, decals, posters, or brochures/pamphlets. (NUREG-0654/FEMA-REP-1, Evaluation Criteria G.1 and G.2)				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Dates of dissemination	X			<u>PNPP</u> - ALC letter states : January 1- December 30, 2020. <u>DBNPS</u> - July 1-31, 2020. <u>BVPS</u> - December 15,2020.
b.	Means of dissemination	X			<u>PNPP</u> - Signs decals and handouts. <u>DBNPS</u> -Fliers. <u>BVPS</u> - Fact Sheets Folder.
c.	Identification of locations where information was distributed or posted	X			<u>PNPP</u> - Parks, nurseries, hotels, campgrounds, and recreation centers. <u>DBNPS</u> - Marinas, campgrounds, grocery stores, hotels, and restaurants. <u>BVPS</u> - Gas stations, restaurants, libraries, public bulletin boards.
d.	Copies of all public information materials	X			<u>PNPP</u> - Copies were submitted in Enclosure 5. <u>DBNPS</u> - Copies were submitted in Enclosure 10. <u>BVPS</u> - Copies were submitted in Enclosure 13.
e.	Organizations responsible for distribution	X			<u>PNPP</u> - Geauga, Ashtabula and Lake County EMAs. <u>DBNPS</u> - Ottawa and Lucas County EMAs. <u>BVPS</u> - Columbiana County EMA.
3.	A statement (if applicable) that yearly maintenance and updates on emergency public information signs located along rivers, parks, and other recreational areas were performed. (NUREG-0654/FEMA-REP-1, Evaluation Criteria G.1 and G.2)				
	This statement also:	Yes	No	N/A	ALC Reference / Comments
a.	Certifies that parks and other recreational areas were not expanded, nor were new transient areas added to the plume EPZ. If expansions or additions were made, a statement must be provided that the appropriate additional signs were installed.	X			<u>PNPP</u> - None. <u>DBNPS</u> - None. <u>BVPS</u> - None.
b.	Identifies organizations responsible for maintenance/updates.	X			<u>PNPP</u> - State and County Park Rangers. <u>DBNPS</u> - Park Rangers and Private Area Owners. <u>BVPS</u> - Columbiana County EMA.

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4.	A statement that emergency public information materials for the ingestion pathway were updated and distributed. (NUREG-0654/FEMA-REP-1, Evaluation Criteria G.1 and G.2)				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Means of dissemination.	X			The Ohio Department of Agricultural (ODA) Brochure Radiological Emergency Information for Food Producers, Processors, and Distributors was (a.) mailed January 30, 2020 by the ODA, Department of Food Safety to Ohio farmers, registered producers, processors and distributors with land or businesses located within 10 miles of the nuclear power stations. (a.) Additionally, the brochure is available on the ODA and Ohio EMA websites for inquiry or further distribution. Distribution of the 1500 print copies of the brochure to the agricultural communities within 50 miles is coordinated with the ODA and field offices of the Ohio State University (OSU) extension in all counties of the Ingestion Pathway planning Zone (IPZ).
b.	Copies of public information materials.	X			A copy of the brochure is in Enclosure 16 .
5.	A statement that annual media program was conducted to acquaint news media with emergency plans/procedures, information concerning radiation, and points of contact for release of public information in emergency. (NUREG-0654/FEMA-REP-1, Evaluation Criterion G.5)				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Date(s) held.	X			PNPP - November 27 2020 - Mailer. DBNPS - November 19 2020 - Mailer. BVPS - November 18 2020- Mailer.
b.	Agencies/organizations invited/ participated.	X			A media kit was mailed to local television, radio, and newspaper reporters.
c.	Organizations that sponsored program.	X			EHN Corporate Communications.
d.	Description of program.	X			Copies were submitted in Enclosure 3,9, & 12 .
NOTE: In instances of poor attendance, in lieu of a meeting, a statement that program materials covering requisite topics were mailed to media representatives must be provided.					
Radiological Emergency Response Training					
1.	A statement that initial training and annual retraining of personnel who implement radiological emergency response plans/procedures have been accomplished. (NUREG-0654/FEMA-REP-1, Evaluation Criterion O.5)				
	Statement must include the following for all training conducted:	Yes	No	N/A	ALC Reference / Comments
a.	All required organizations were offered training pursuant to ORO plans/procedures	X			(a.) All organizations were offered training applicable to their primary role as defined in their local or State REP Plans. Personnel from agencies, which could perform multiple roles, are given the training for their potential roles.
b.	Scope and purpose.	X			(b.)The training section of the Ohio Radiological Emergency Preparedness Operations Manual (REPOM) contains the training modules and web-based equivalents that are available, but not required, for use in training state and local personnel. State agencies are responsible for their personnel's radiological training, and follow internal processes that may or may not use state modules. The Ohio REPOM also contains alternative training available from other State and Federal agencies. This section is in Enclosure 19 . Local County REP training requirements are found in their RERPs. Excerpts are included in the tabs of the training and equipment spreadsheets in Enclosure 18 . The PNPP EPZ Comprehensive Training Plan (CTP) is included in Enclosure 19 .
c.	Dates training were held.	X			Specific details of each agency trained, the dates trained and number of students trained is found in Enclosure 18 .
d.	Number of participants.	X			Specific details of each agency trained, the dates trained and number of students trained is found in Enclosure 18 .
e.	Agencies/organizations represented.	X			Specific details of each agency trained, the dates trained and number of students trained is found in Enclosure 18 .
f.	Agencies/organizations invited, but who did not attend.	X			As all agencies contained within the County plans are offered training annually, those agencies with no training dates should be considered Agencies/Organizations invited, but did not attend per County Radiological Emergency Response Plan training sections.
g.	Organizations that sponsored the training.	X			Specific details of each agency trained, the dates trained and number of students trained is found in Enclosure 18 .

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Drills					
NOTE: These drills shall not be part of a regularly scheduled exercise (NUREG-0654/FEMA-REP-1, Evaluation Criterion N.2), with exception of the annual medical drill. Only non-evaluated drills need to be reported in the ALC.					
1. A statement that communication drills (NUREG-0654/FEMA-REP-1, Evaluation Criterion N.2.a) were conducted:					
		Yes	No	N/A	ALC Reference / Comments
a.	Monthly between the State and OROs within plume EPZ.	X			BVPS -Monthly (a.) Second Wednesday of the month between 0900 and 1130, January 8, 2020, February 12, 2020, March 11, 2020, April 8, 2020, May 13, 2020, June 10, 2020, July 8, 2020, August 12, 2020, September 9, 2020, October 14, 2020, November 12, 2020, December 9, 2020. Ohio EMA, Pennsylvania EMA, West Virginia EMA, Columbiana County (OH) EMA, Beaver County (PA) EMA, Hancock County (WV) EMA, BVPS, BVPS EOF. DBNPS -Monthly First Tuesday of the month at 0900 January 7, 2020, February 4, 2020, March 3, 2020, April 7, 2020, May 5, 2020, June 2, 2020, July 7, 2020, August 4, 2020, September 1, 2020, October 6, 2020, November 3, 2020 December 1, 2020. Ohio EMA, Ottawa County EMA, Lucas County EMA, DBNPS, DBNPS EOF. PNPP -Monthly Second Wednesday of the month at 1000, January 5, 2020, February 11, 2020, March 12, 2020, April 8, 2020, May 13, 2020, June 10, 2020, July 8, 2020, August 12, 2020, September 9, 2020, October 14, 2020, November 12, 2020 December 9, 2020. Ohio EOC, Lake County EOC, Ashtabula County EOC, Geauga County EOC, PNPP, PNPP EOF.
b.	Quarterly between State and Federal emergency response organizations and states within ingestion pathway EPZ.	X			1/6/2020 Quarterly number verification 5/1/2020 Quarterly number verification 9/17/2020 Quarterly number verification 10/15/2020 Quarterly number verification
c.	Annually between NPP, State, and local emergency operations centers, and radiological field monitoring teams	X			November 10, 2020 BVPS, Ohio EMA, Ottawa County EMA, State Field Monitoring Teams 1, 2, 3 and the FMT Courier.
d.	Dates of communication drills and participating organizations.	X			See above Comments (a)(b) and (c).
2. A statement that radiological monitoring drills related to plume collection of particulate and radioiodine samples and radiation measurements and if applicable any Ingestion Pathway drills that were performed during the period of this ALC. (NUREG-0654/FEMA-REP-1, Evaluation Criterion N.2.d)					
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Dates of monitoring drills	X			Lake County General Health District (LCGHD) Sampling Training/Radiological Monitoring Drill, February 12, 2020. COVID-19: In 2020, the State of Ohio was limited in field training such as the Radiological Monitoring drills due to restrictions and workload associated with COVID. The dates and participating agencies for the 2020 Radiological Monitoring Drills and training are listed in the table (page 21), with role and agency breakdown found in Enclosure 18 spreadsheets.
b.	Organizations that participated	X			Lake County General Health District, Ohio Department of Agriculture, Ohio Department of Health, Ohio Environmental Protection Agency, Ohio Department of Natural Resources, Ohio Emergency Management Agency, PUCO,ONG, - role and agency breakdown found in Enclosure 18 spreadsheet.

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NOTE: These drills must involve personnel and resources for field team coordination and field teams.					
3. A statement that health physics drills were conducted semiannually with licensees that included response to, and analyses of, simulated elevated airborne and liquid samples and direct radiation measurements in environment. Where a State is responsible for more than one site, the State portion of drills need not be done at each site. (NUREG-0654/FEMA-REP-1, Evaluation Criterion N.2.e)					
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Dates of health physics drills.	X			BVPS January 30, 2020. March 19, 2020 (Dry Run) POSTPONED. May 13, 2020 FMT (Dry Run) POSTPONED. May 19-21 Columbiana County OOS Dry Run POSTPONED. July 16, 2020. October 15, 2020 (Dry Run). November 12, 2020. DBNPS May 5, 2020 CANCELLED. August 25, 2020 CANCELLED. October 6, 2020. PNPP April 15, 2020 CANCELLED. February 12, 2020. July 20, 2020. October 15, 2020 (Dry Run).
b.	Organizations that participated.	X			EHN, Ohio EMA, Columbiana County EMA, OEPA, ODH, Ottawa County EMA, Lucas County EMA, Geauga, Lake, and Ashtabula County EMAs.
NOTE: Health physics drills must involve personnel and resources for dose assessment.					
24-Hour Staffing (NUREG-0654/FEMA-REP-1, Evaluation Criterion A.1.e)					
1. A statement that sufficient trained and capable staff is available to maintain 24-hour capability for protracted activation.					
		Yes	No	N/A	ALC Reference / Comments
		X			Sufficient trained and capable staff are available to maintain 24-hour operation of the State Emergency Operations Center (State EOC) and County Emergency Operations Centers (EOC). In 2020, rosters were demonstrated during the Perry and Beaver Valley exercises for the SEOC, Lake, Geauga, Ashtabula, and Columbiana counties. Rosters for Lake, Geauga, and Ashtabula, Columbiana, Lucas and Ottawa counties are submitted in Enclosure 18.
Emergency Facilities and Equipment (NUREG-0654/FEMA-REP-1, Evaluation Criteria H.3; G.3.a; J.10.h; J.12; K.5.b)					
1. Identification of facilities that are new or have had substantial changes in structure or mission since initial evaluation. A substantial change is one that has a direct affect or impact on the emergency response operations performed in those facilities.					
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Verification that the facility has been evaluated, or the expected date of the evaluation	X			There was one new facility in 2020. Ashtabula County moved to a new facility in 2020, which will be evaluated by either SAV or in conjunction with the next PNPP Evaluated Exercise in 2022. There have been no substantial changes in structure or mission for any of the current facilities since their 1.b.1 evaluations included in Enclosure 18.
2. Certification that no substantial changes in structure or mission of previously reported facilities have occurred since initial evaluation.					
	This statement must affirm that:	Yes	No	N/A	ALC Reference / Comments
a.	There are no other new emergency response facilities, communications systems, or congregate care facilities	X			There was one new Facility in 2020: Ashtabula County Emergency Operations Center.
b.	None of the other current facilities, communications systems, or congregate care facilities in the plans/procedures has undergone substantial changes	X			None of the current facilities, communications systems or congregate care facilities in the State or County plans and procedures has undergone substantial changes since the evaluations listed in the table (page 25).

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3.	A statement that inspection, inventory, and operational checks were made of survey instruments used for radiological monitoring (evacuee and emergency worker) and environmental monitoring and analysis (radiological field monitoring teams and radiological laboratory) at least once each calendar quarter and upon each use. (NUREG-0654/FEMA-REP-1, Evaluation Criterion H.10)				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Type of equipment.	X			Details of where meters and dosimetry, including on-hand spares are located is in the State Training and Equipment Spreadsheet. Enclosure 18.
b.	Quantity of equipment.	X			Details of where meters and dosimetry, including on-hand spares are located is in the State Training and Equipment Spreadsheet. Enclosure 18.
c.	Location of equipment.	X			Details of where meters and dosimetry, including on-hand spares are located is in the State Training and Equipment Spreadsheet. Enclosure 18.
d.	Calibration frequency.	X			The Ohio EMA Radiological Instrumentation Maintenance and Calibration Laboratory (RIMC) annually calibrates and distributes radiological instrumentation through the RRAs to local emergency response agencies. All instruments including those maintained as reserves are exchanged for newly calibrated instruments annually. RIMC completes instrument calibration in the month prior to the exchange date and records the calibration expiration as a month and year. Local EMA directors establish the number and type of radiological instruments based upon the assigned emergency response duties of specific agencies.
e.	Dates of inspection/inventory check.	X			All agencies that receive survey meters are trained to inspect and operationally check instruments monthly.
4.	A statement that survey instruments used for measuring radiation during environmental monitoring and analysis (field teams and radiological laboratories) were calibrated at intervals recommended by supplier of equipment. (NUREG-0654/FEMA-REP-1, Evaluation Criterion H.10)				
	If calibration occurred, the statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Type of equipment.	X			Quantities, locations and calibration dates are included in the Training and Equipment spreadsheets of Enclosure 18.
b.	Quantity of equipment.	X			Ohio EMA provides instrument sets used in response to radiological events or releases. The Ohio EMA RIMC facility maintains and stores enough instrumentation, equipment and supplies to make-up a minimum of three sets. RIMC personnel inventory, inspect, operationally check, (each quarter and after each use) and annually calibrate these instruments.
c.	Location of equipment.	X			Ohio EMA provides instrument sets used in response to radiological events or releases. The Ohio EMA RIMC facility maintains and stores enough instrumentation, equipment and supplies to make-up a minimum of three sets. RIMC personnel inventory, inspect, operationally check, (each quarter and after each use) and annually calibrate these instruments.
d.	Dates of calibration.	X			For 2020, this equipment was calibrated on September 5, 2020.
5.	A statement that direct-reading dosimetry has been tested for accuracy. All Direct-Reading Dosimeters (DRDs) shall be inspected for electrical leakage at least annually. CDV-138s must be inspected for electrical leakage quarterly. Dosimeters shall be recharged or replaced as necessary. (NUREG-0654/FEMA-REP-1, Evaluation Criterion H.10)				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Type of equipment.	X			The Ohio EMA annually distributes dosimetry packets and emergency worker KI to local emergency management agencies. These dosimetry packets may contain the following: <ul style="list-style-type: none"> • 0-200 R range DRD (CDV-742) • 0-20 R range DRD (CDV-730) or equivalent • 0-200 mR range DRD (CDV-138) see NOTE • Permanent Reading Dosimeter (TLD or OSLD) • Packet of (10) 65 Mg KI tablets which is a 5 day supply at 130 Mg/dose and a copy of the KI manufacture's insert - if the agency performs duties within the 10-mile EPZ. • Dosimetry Report form used by the agency assigned
b.	Quantity of equipment.	X			Quantities, locations and calibration dates are included in the Training and Equipment spreadsheets of Enclosure 18.
c.	Location of equipment.	X			Quantities, locations and calibration dates are included in the Training and Equipment spreadsheets of Enclosure 18.

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d.	Dates of calibration.	X			Quantities, locations and calibration dates are included in the Training and Equipment spreadsheets of Enclosure 18 . Equipment exchange and KI not completed in 2020 due to COVID-19. Exemption for calibration and extension of KI expiration letters are located in Enclosure 18. CAP: Complete in 2021. CAP: PM will be scheduled sometimes early next year due to COVID19
6.	A statement that sufficient quantities of potassium iodide (KI) are available for emergency workers, institutionalized individuals, and if the plan calls for it, the general public. (NUREG-0654/FEMA-REP-1, Evaluation Criterion J.10.e) If quantities of KI were not verified by FEMA during most recent biennial exercise:				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Amounts of KI available.	X			Specific numbers and locations for Emergency Workers and Institutionalized KI are included in the training and instrumentation spreadsheets of Enclosure 18 . ODH policy is to recommend the administration of KI to the general public as well as emergency workers and institutionalized individuals during a nuclear power facility General Emergency. ODH provides sufficient quantities of KI to the counties within the EPZ for distribution to the public.
b.	Storage locations.	X			Specific numbers and locations for Emergency Workers and Institutionalized KI are included in the training and instrumentation spreadsheets of Enclosure 18 . ODH policy is to recommend the administration of KI to the general public as well as emergency workers and institutionalized individuals during a nuclear power facility General Emergency. ODH provides sufficient quantities of KI to the counties within the EPZ for distribution to the public. Public KI is stored at local health departments and distributed at community reception centers, and to certain at-risk populations in the BVPS and DBNPS EPZs. The public may be able to acquire KI prior to a nuclear power plant accident by contacting their local health department. Sufficient quantities of (65 mg tab) KI are locally available for the public.
c.	Expiration date(s).	X			ODH issued a KI shelf life extension letter for the general public 65 mg tablet packets extending their original expiration date from April 20, 2020 to December 31, 2021 on November 4, 2019. A copy of this letter is included in Enclosure 18 .
Alert and Notification					
1.	A statement that a routine siren testing program was completed pursuant to the design report. (REP Program Manual Section V, Part A).				
	This statement must include:	Yes	No	N/A	ALC Reference / Comments
a.	Type of tests conducted in accordance with established schedule	X			BVPS Silent, Quiet/Growl, and Audible Test. DBNPS Monthly, Annual 3-minute, and Silent Test. PNPP Quiet and Audible Test.
b.	Dates of tests.	X			BVPS listed in the table on page 33 of the 2020 Ohio Annual Letter of Certification (ALC). DBNPS listed in the table on page 35 of the 2020 Ohio Annual Letter of Certification (ALC). PNPP listed in the table on page 37 of the 2020 Ohio Annual Letter of Certification (ALC).
c.	Number of sirens tested operable and inoperable.	X			BVPS operable 6133, inoperable 3. DBNPS operable 2806, inoperable 2. PNPP operable 3951, inoperable 1.

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2.	Analysis of percentage of operable sirens. (REP Program Manual Section V, Part A).				
	This must be at least 90 percent and include:	Yes	No	N/A	ALC Reference / Comments
a.	Computation of siren operability (percentage of sirens operable) for the immediately preceding calendar year. This is determined by simple average of all regularly conducted tests employed as part of testing program (e.g., silent, growl, full cycle). Calculations will be checked by specialist to substantiate results.	X			BVPS $[6133 \div (6133 + 3)] \times 100 = 99.951\%$ DBNPS $[2806 \div (2806 + 2)] \times 100 = 99.929\%$ PNPP $[3951 \div (3951 + 1)] \times 100 = 99.975\%$
b.	Description (or calculations) of method used to calculate siren operability percentage	X			DBNPS $[(\text{operable}) \div (\text{operable} + \text{inoperable})] \times 100 = \%$. BVPS $[(\text{operableS} + \text{G} + \text{A}) \div (\text{operableS} + \text{G} + \text{A} + \text{inoperableS} + \text{G} + \text{A})] \times 100 = \%$ operability. PNPP $[(\text{operable}) \div (\text{operable} + \text{inoperable})] \times 100 = \%$.
3.	A statement (if applicable) that a maintenance program for residential tone alert radios has been properly implemented. (REP Program Manual Section V, Part A)				
	This statement must specify the type and frequency of residential tone alert radio (as part of primary ANS) tests conducted and include	Yes	No	N/A	ALC Reference / Comments
a.	Registers, containing list of addresses where equipment is located, have been updated to reflect additions or changes			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
b.	Registers include individuals who have refused this equipment			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
c.	Equipment operating checks have been completed or offered to residents with this equipment			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
d.	Tests identifying frequency were conducted offering the public a means to self-test its receivers			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
e.	Necessary written guidance was provided that addressed:			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
f.	General usage.			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
g.	Self-testing frequency and method.			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
h.	Suggested placement to facilitate efficient use			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
i.	Maintenance program details			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
j.	Telephone numbers for repair or replacement.			X	There are no residential tone alert radio systems as part of the ANS in Ohio REP Plans.
4.	A statement specifying type and frequency of routine testing of all applicable alerting systems, other than sirens and tone alert radios. This testing must be performed at least annually. (REP Program Manual Section V, Part A)				
	Alerting methods may include:	Yes	No	N/A	ALC Reference / Comments
a.	Mobile route alerting and notification.	X			PNPP and DBNPS EPZs: The State of Ohio uses Ohio Department of Natural Resources (ODNR) watercraft for waterway clearance in public waterways in the PNPP and DBNPS EPZs. This equipment is used in daily operations. The watercraft and their associated systems (public address system, sirens, and lights) are tested prior to each launch (4a, 5c). Specific equipment types and location (5a) are found in the Ohio REP Operations Manual. Maintenance program details and records (5.c, d) are the responsibility of ODNR. Written guidance for use (5d.) is found in State procedure 669 Lake Erie Restriction and Clearance.
b.	Aircraft route alerting and notification.	X			Ohio Department of Natural Resources may provide aircraft for assistance in notification of recreational boaters on Lake Erie, or provide aircraft through the SEOC. Aircraft will be used to spot boaters and direct watercraft to provide the notification per above. Aircraft and all systems are utilized in daily operations and are tested prior to flight (4a). Communications between aircraft and watercraft are by established protocols. Locations, maintenance, etc. (5) are the responsibility of ODNR.

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c.	Institutional alerting mechanisms in schools, hospitals, nursing homes, etc.	X			All EPZ counties utilize positions within the county EOCs to coordinate notification of public and private risk and support schools, hospitals, nursing homes, and other institutionalized using commercial phone lines as described in County plans and SOGs.
d.	Automatic telephone dialers/switching equipment.	X			State and County Procedures explains the process for the notification under Automatic telephone dialers/switching equipment – Notification of the Public (4d) pages 40- 42 in the 2020 ALC.
e.	Modulated power lines.			X	There is no use of modulated phone lines for ANS in the State of Ohio or County REP Plans.
f.	Type and frequency of residential tone alert radio (as part of primary ANS) tests conducted.			X	There is no use of tone alert radios for ANS in the State of Ohio or County REP Plans.
5.	A statement (if applicable) that a maintenance program for alerting systems other than sirens and tone alert radios (e.g., radios in schools/hospitals) has been properly implemented. (REP Program Manual Section V, Part A).				
	This statement must include assurances that:	Yes	No	N/A	ALC Reference / Comments
a.	Registers, containing list of addresses where equipment is located, have been updated to reflect additions or changes.	X			Located at State and County EOC.
b.	Registers include organizations that have refused this equipment or information.			X	N/A
c.	Equipment operating checks have been completed or offered.	X			Located at State and County EOC.
d.	Necessary written guidance was provided that addressed:	X			The 2020 ALC, Tables outlines the information on Pages 39 - 42.
e.	General usage.	X			The 2020 ALC, Tables outlines the information on Pages 39 - 42.
f.	Suggested placement to facilitate efficient use.	X			The 2020 ALC, Tables outlines the information on Pages 39 - 42.
g.	Maintenance program details.	X			The 2020 ALC, Tables outlines the information on Pages 39 - 42.
h.	Telephone numbers for repair or replacement.	X			The 2020 ALC, Tables outlines the information on Pages 39 - 42.
6.	A statement (if applicable) for exception areas requiring alert and notification methods, other than sirens and tone alert radios (e.g., aircraft and/or mobile route alerting and notification) that routes, alerting methods, and resources remain unchanged. If changes did				
		Yes	No	N/A	ALC Reference / Comments
				X	There are no exception areas as part of the ANS in the State of Ohio or County REP Plans.
7.	A statement that siren sound pressure/population density requirements have been met. (REP Program Manual Section V, Part A).				
	This statement must include assurances that:	Yes	No	N/A	ALC Reference / Comments
a.	In areas where siren sound pressure level is less than 60 dBc, population remains below 2,000 persons per square mile.	X			All siren sound pressure/population density requirements have been met, concerning population densities above or below 2000 persons per square mile and siren sound requirements. There are no places in Ohio where siren sound pressure is less than 60dBc.
b.	If population has increased to the level of 2000 persons per square mile, siren sound pressure levels must be increased and design report modified.			X	N/A

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8.	A statement (if applicable) that in areas not covered by sirens, no permanent population has relocated into these areas. In areas of EPZ where no permanent population exists and transients would not frequent, a letter certifying this fact was provided with initial design report. State must certify that this condition remains unchanged; no permanent or transient population has relocated in these areas. If relocation did occur, sirens, tone alert radios, or other means for alerting these individuals would then be required.				
		Yes	No	N/A	ALC Reference / Comments
				X	No permanent population has relocated into areas not previously covered by the ANS as identified by the 2010 Census. There has been no development of any areas not covered by the ANS systems, which would encourage any transient population to frequent these areas.