

**MADISON COUNTY FISCAL COURT
MADISON COUNTY, KY
RESOLUTION 2021-46**

A RESOLUTION APPROVING SIGNATURE OF THE UPDATED MEMORANDUM OF UNDERSTANDING (MOU) BETWEEN BLUE GRASS CHEMICAL ACTIVITY (BGCA), BLUE GRASS ARMY DEPOT (BGAD), ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES (ACWA), AND MADISON COUNTY

WHEREAS, the Madison County EMA participates in the CSEP Program; and

WHEREAS, the Madison County EMA/CSEP Program work closely with the Blue Grass Army Depot and The Blue Grass Chemical Activity to provide alert and warning from a chemical release at the Blue Grass Chemical Activity; and

WHEREAS, the Madison County EMA/CSEP Program has a Memorandum of Understanding with the above-mentioned entities to provide guidance for response in the unlikely event of a chemical release from the Blue Grass Chemical Activity.

NOW, THEREFORE, BE IT RESOLVED THAT THE FISCAL COURT DOES HEREBY APPROVE TO ENTER INTO THE AGREEMENT AND AUTHORIZES THE JUDGE EXECUTIVE TO EXECUTE SAME ON BEHALF OF THE COUNTY TO GO INTO EFFECT UPON THE SIGNATURE OF ALL PARTIES.

Motion made by John Tudor, seconded by Paul Reynolds.

Vote:	Yes	No
Judge Reagan Taylor	<u>X</u>	_____
Magistrate Paul Reynolds	<u>X</u>	_____
Magistrate John Tudor	<u>X</u>	_____
Magistrate Roger Barger	<u>X</u>	_____
Magistrate Tom Botkin	<u>X</u>	_____

Signed:

R-32
Reagan Taylor
Madison County Judge Executive

Attested:

K B M
Kenny Barger
Madison County Clerk

MEMORANDUM OF UNDERSTANDING
BETWEEN
BLUE GRASS CHEMICAL ACTIVITY,
BLUE GRASS ARMY DEPOT,
ASSEMBLED CHEMICAL WEAPONS ALTERNATIVES,
AND
MADISON COUNTY, KENTUCKY

SUBJECT: Memorandum of Understanding (MOU) between Blue Grass Chemical Activity (BGCA), Blue Grass Army Depot (BGAD), Assembled Chemical Weapons Alternatives (ACWA), and Madison County

1. REFERENCES:

- a. Army Regulation 50-6 (Chemical Surety), 16 April 2018.
- b. Army Pamphlet 385-61 (Toxic Chemical Agent Safety Standards), 1 November 2018.
- c. Chemical Stockpile Emergency Preparedness Program (CSEPP) Planning Guidance, 1 March 2019.
- d. The Blue Grass Army Depot Chemical Accident/Incident Response and Assistance (CAIRA) Plan, 20 February 2020.
- e. Emergency Operations Plan, Madison County.
- f. CSEPP Incident Specific Plan, Madison County.

2. PURPOSE: This MOU provides for liaison, coordination and support between BGCA, BGAD and Madison County in areas of mutual interest and for rapid notification in the event of a chemical accident or incident and passing of protective action information. This MOU addresses the need for close cooperation to ensure the prompt alerting of persons on and around BGAD that a chemical accident or incident or other emergency has occurred. The agreement provides a reciprocal arrangement for BGAD and Madison County to sound indoor or outdoor warning devices on-post and off-post. Activation of the indoor and outdoor warning devices is the primary responsibility of the Madison County Emergency Management Agency (EMA). However, the BGAD Emergency Operations Center (EOC) may activate the on-post outdoor warning sirens during exercises or an actual event to alert personnel in and near the Chemical Limited Area (CLA) while notifying the Madison County EMA. This MOU supersedes all previous BGAD, BGCA, ACWA, and Madison County MOUs.

3. DEFINITIONS:

- a. Acute Exposure Guideline Level (AEGL): AEGLs are acute threshold exposure limits for the general population for a short-term exposure. The general population includes infants and children and other sensitive populations. AEGLs are developed by the National Advisory Committee/AEGL. The National Research Council participated in the development

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of the chemical agent AEGLs. After final review by the National Academy of Science (NAS) Sub-committee, the NAS published the final AEGLs for the chemical agents.

b. AEGL-2: For nerve agent exposure, AEGL-2 may present an increasing degree of miosis (constriction or shrinking of the pupil) with possible impairment of vision after dark or in dim light; runny nose; sweating; possible breathing difficulties, but no permanent effects. For mustard agent exposure, AEGL-2 may present an increasing chance of significant eye irritation with possible *delayed* impairment of vision; possible breathing difficulties if exposure is approaching the AEGL-3 level; effects will be *delayed*, but not permanent.

c. AEGL-3: For nerve agent exposures, AEGL-3 may present an increase in cases of nausea, vomiting, and as the dose increases, seizures and increasing possibility of death. For mustard agent exposures, AEGL-3 may present increasingly severe *delayed* effects and incapacitation, to include (delayed) blistering and lung effects; and as the dose increases, increased possibility of death.

d. Authorized Army Official: BGCA/BGAD officials authorized to declare chemical event emergency notification levels and make Protective Action Recommendations (PARs) to Madison County.

e. Blue Grass Chemical Activity Off-Post Notification Form: A form used to transmit and record information about the chemical accident or incident. The form has been mutually developed and agreed upon among the parties of this agreement and the Blue Grass Community IPT. The WebPuff™ Off-Post Notification Report may replace the Blue Grass Chemical Activity Off-Post Notification Form.

f. Blue Grass Alert Notification System (BGANS): This is the dedicated telephone line between the Depot EOC, Madison County EOC, the Protective Action Zone (PAZ) Counties EOCs, the State EOC, and 24-hour warning points. The BGANS hardware and telephone lines may be replaced by a new communication system.

g. Chemical Accident/Incident (CAI): A chemical accident is an event involving the non-deliberate actual or potential release of chemical agent, where safety is of primary concern. A chemical incident is an event involving the deliberate actual or attempted release of chemical agent (terrorism or criminal acts), where security is also of concern.

h. Event Emergency Levels:

(1) Routine Event or Leaker: Events that involve a confirmed agent release inside approved chemical storage structures (also known as a leaker). Also included are non-chemical related events that do not constitute an emergency and would normally not be perceived as an emergency. Examples include incidents inside the GLA, minor non-chemical injuries to workers, etc.

(2) Non-Surety Emergency: Events are likely to occur or have occurred that may be perceived as a chemical surety emergency or that may be of general public interest, but which pose no chemical surety hazard. This includes but is not limited to isolated flooding,

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issues with Lake Vega, issues with the Lake Vega Dam, non-surety material emergencies, traffic accidents, grass fires, and so on.

(3) Limited Area Emergency: Events are likely to occur or have occurred that involve agent release outside engineering controls or approved chemical storage structures with chemical effects expected to be confined to the CLA. This level will be declared when the predicted AEGL-2 hazard envelope, does not extend beyond the CLA where the event occurred.

(4) Post Only Emergency: Events are likely to occur or have occurred that involves agent release with chemical effects beyond the CLA. The release is not expected to present a danger to the off-post public. This level will be declared when the predicted AEGL-2 hazard envelope, extends beyond the CLA but does not extend beyond the installation boundary.

(5) Community Emergency: Events are likely to occur or have occurred that involve agent release with chemical effects beyond the installation boundary. This level will be declared when the predicted AEGL-2 hazard envelope, extends beyond the installation boundary.

i. Chemical Limited Area (CLA): The area inside the inner fence around the chemical storage site at the Depot.

j. Short Term Exposure Limit (STEL): The maximum concentration to which unprotected chemical workers may be continuously exposed for up to 15 minutes. For GB, a worker may be exposed to the STEL concentration up to four times per day with at least sixty minutes between successive STEL exposures. For VX and H exposures, a worker may only have one exposure per day at the STEL concentration.

k. Warning Points: A designated location where emergency notifications would be received twenty-four hour a day.

4. Background: Public Law 99-145 requires the Army to provide maximum protection to the extent practicable for the population and environment near chemical stockpile storage sites. The initial alert and notification of the public following a chemical agent release with off-post consequences is the most critical element of emergency response. In the event of an actual emergency, officials may use the products of an existing WebPuff™ model run, WebPuff™ based CHP Convert tool, or WebPuff™ stand alone model run.

5. RESPONSIBILITIES:

a. BGAD:

(1) The BGAD or BGCA will not conduct toxic chemical operations when the AEGL-3 hazard envelope touches or crosses the installation boundary.

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(2) Coordinate and maintain liaison with the Madison County EMA as the point of contact regarding the BGCA and BGAD chemical stockpile mission; provide information on the range of chemical events that could occur.

(3) Provide technical recommendations to Madison County EMA and surrounding CSEPP jurisdictions for use in developing emergency response plans and determining equipment needs.

(4) If applicable, pre-position supplies and equipment for use by Madison County EMA or other authorized area personnel or agencies for use during emergencies.

(5) Participate in local emergency response planning and training exercises, city and county sponsored seminars, lectures, and other events of mutual interest.

(6) Maintain a communication link with Madison County Warning Points and the EMA, which will allow immediate contact for information dissemination.

(7) If applicable, notify Madison County EMA with a recommendation to activate the Joint Information Center (JIC).

(8) Provide a representative to the JIC when the JIC is activated.

(9) Dispatch Chemical Agent Monitoring Teams from the Depot to off-post areas to monitor for the presence or absence of chemical agent when requested by Madison County EMA and if teams are available for off-post monitoring.

(10) Allow the Madison County Emergency Management Agency to co-locate with and utilize the BGAD EOC for control of events in the community when the Madison County EOC or the Berea alternate EOC cannot be utilized.

(11) During a limited area, post only, or community emergency: BGAD EOC may activate the on-post CSEPP sirens. Telephonic notification will be given to the Madison County EMA during the alert and notification call.

(12) BGAD may activate the off-post indoor and outdoor warning devices upon the request of the Madison County EMA. BGAD may activate the on-post outdoor warning devices for exercises after coordination of a media release with Madison County EMA. The coordination will occur at least two business days prior to the publication in local papers. The publication in local papers will be at least the day before the exercise.

(13) BGAD may request Madison County EMA to activate the on-post outdoor warning devices for circumstances not specified in this MOU.

(14) Within five minutes of any individual who has the means to safely report it to the proper installation authority becomes aware of an event that might constitute a community

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emergency, post only emergency, limited area emergency or a confirmed chemical agent reading of 0.50 STEL or higher, BGAD will:

(a) Assess the significance of the CAI based on the best information available, assign a chemical event emergency notification level based on the current weather, make protective action decisions (PADs) for BGAD on-post population, and develop protective action recommendations (PARs) for the off-post population.

(b) Report the information to the Madison County EOC and warning points. The report will include a description of the area (Immediate Response Zone (IRZ) and Protective Action Zone (PAZ) zones) that could be affected by the chemical agent hazard.

(c) BGAD will make an electronic declaration of the chemical event via the Army Hazard Prediction Model.

(d) In the event of an actual emergency, officials may use the products of an existing WebPuff™ model run, WebPuff™ based CHP Convert tool, WebPuff™ stand alone model run.

(15) Within five minutes send an Off-Post Notification Form or Report form to the Madison County EOC. Additionally, BGAD will provide updates within five minutes of detecting any zone changes.

(a) Ensure that all the pertinent information on the off-post notification form is transmitted over the BGANs and WebPuff™ runs (maps) are sent immediately following the BGANs transmission.

(b) If the primary WebPuff™ system goes down or does not function as appropriate, the CHP Convert Tool, or WebPuff™ stand alone model run will be utilized to send the appropriate information/model runs (map) within seven minutes.

(16) BGAD will cooperate with Madison County EOC to resolve any inconsistencies between the information provided verbally and the electronic declaration of the chemical event or chemical emergency notification form.

(17) Within five minutes of initial notification to the BGAD EOC of a situation that is not a community emergency, post only emergency or limited area emergency but is such that the CSEPP sirens and public address system around the CLA are sounded, BGAD will report to the Madison County EOC the information about the event. For routine leakers with no hazard outside of the storage structure, a confirmed reading of 0.50 STEL or higher must be reported within 5 minutes of receipt in the BGAD EOC.

(18) The BGAD EOC will notify the Madison County EOC within 15 minutes of confirmed notification to the BGAD EOC of a Routine Event or a Non-Surety Emergency that the BGCA Commander thinks may be of interest to the Madison County EOC. There is no specified form or format for the notification. Examples of Routine Events and Non-Surety

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Emergencies include but are not limited to: routine leakers with no hazard outside of the storage structure, a confirmed reading of less than 0.50 STEL, vehicle accidents in the CLA, large fires, ambulance runs to local hospitals, fire or ambulance runs on BGAD (when the EOC is aware of the run), and so forth.

(19) BGCA will provide the County with a work plan prior to beginning daily chemical operations. The work plan will include an outline of the chemical tasks to be conducted, the estimated times that the operations will be in progress, agent and munitions types, and meteorological data. The work plan will also specify when operations are not scheduled. The BGCA will calculate hazard plots for every operation using WebPuff™ or equivalent and provide the maximum credible event (MCE) plot along with planning PARs to the County.

b. Madison County EMA:

(1) Provide PADs for Madison County areas outside the BGAD in the event of a Community Emergency. Madison County EMA may make PADs for other emergency levels.

(2) Activate the indoor and outdoor warning systems in Madison County in the event of a Community Emergency and for other situations.

(3) In coordination with BGAD and BGCA assist in preparing interface plans and procedures to assure emergency operational readiness is maintained throughout Madison County.

(4) Maintain liaison with BGCA and BGAD officials concerning plans and procedures related to emergencies included within the provisions of this agreement. Advise, BGCA point of contact, of changes in names of key personnel, telephone numbers, or other data.

(5) Maintain equipment in the JIC.

(6) If applicable, maintain and protect supplies and equipment pre-positioned in Madison County EMA facilities by BGCA or BGAD for use in emergencies.

(7) Participate in test and training exercises conducted at BGAD when work priorities permit; extend invitations for applicable BGCA and BGAD personnel to participate in off-post training, seminars, meetings, conferences, and so on.

(8) Allow the BGAD On-Scene Coordinator to locate in a space designated as the Federal Response Center during chemical events or chemical exercises.

(9) Allow the BGAD EOC minimum staff to utilize the Madison County EOC or Berea Alternate EOC for control of on-post events when the BGAD EOC cannot be utilized.

(10) In the event BGAD EOC cannot activate the indoor or outdoor warning devices, the county will, upon request of the BGAD Commander or designee, activate the on-post warning devices.

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(11) If there is an immediate threat to people on BGAD, the Madison County EMA may activate the on-post indoor and outdoor warning devices. Telephonic notification of emergencies with the potential to impact the depot will be provided to the BGAD EOC.

(12) Keep BGCA EOC staff informed about projects or activities off-post that might affect a quick and safe evacuation from BGAD, for example, road construction, floods, major traffic accidents, train derailments, hazardous materials spills, and so on. The status of these projects or activities will be updated promptly when BGAD reports a CAI.

(13) Keep BGCA EOC staff informed about any changes in the operational status of the Madison County EOC warning points. If at any time the Madison County EOC becomes aware that it might not be able to receive notification via the BGANS, the Madison County EOC will promptly notify BGCA.

(14) Inform BGAD of any protective action decisions it makes, to include information about evacuation routes, designated reception centers and traffic control points.

(15) Coordinate a temporary flight restriction area with the Federal Aviation Administration for a community emergency and notify BGAD of approved or denied flight restriction.

c. BGCAPP:

(1) Will notify the BGCA EOC immediately upon confirmation of a Chemical Event when it meets the threshold defined in the permit application to meet the five minute notification to the community.

(2) Will provide timely updates to the EOC to keep the BGAD Incident Commander apprised of the event.

6. COMMUNICATIONS:

a. Coordination and Communications: The primary means of Alert Notification in the event of a chemical agent release at BGAD is the BGANS.

b. If the BGANS is not operational the secondary means of communication will be the use of the 800 MHz radio.

c. If BGANS and 800 MHz are not operational the tertiary means of communication will be the use of satellite phone.

d. Commercial Phone Numbers:

BGAD/BGCA:

BGCA EOC 779-6888
BGAD, Security 779-6380/6589

Madison County EMA:

Duty Hours, EMA Office 624-4787
Non-Duty Hrs, Co E911 624-4776

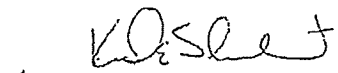
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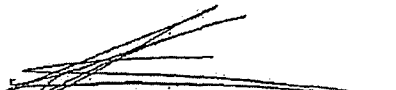
7. DURATION OF AGREEMENT: This MOU shall take effect upon the date of the last signature and shall continue in effect until superseded or rescinded. BGCA will review the MOU annually, or more frequently if necessary to assure accuracy. This MOU may be terminated by any party upon fifteen days written notice to all parties; however, because of legal, regulatory and permit requirements, the reporting requirements of paragraph 5 can only be changed by written mutual consent.

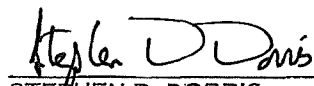
8. APPROVAL:


DUSTIN HEISER
EMA/CSEPP Director
Madison County
4/21/21
(Date)


REAGAN TAYLOR
Judge Executive,
Madison County
4-27-2021
(Date)


CANDACE M. COYLE, PhD
Project Manager
Assembled Chemical Weapons
Alternatives
21 APR 2021
(Date)


EDWARD E. WILLIAMS
Lieutenant Colonel, U.S. Army
Commanding
Blue Grass Chemical Activity
20 APR 2021
(Date)


STEPHEN D. DORRIS
Colonel, U.S. Army
Commanding
Blue Grass Army Depot
11 MAY 2021
(Date)