



FEMA

OCT 15 2013

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U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

To Whom It May Concern:

Enclosed is a copy of the Final After Action Report / Improvement Plan for the August 13 and 15, 2013, Radiological Emergency Preparedness Drills for the Prairie Island Nuclear Generating Plant. The following out-of-sequence demonstrations were evaluated: Medical Services (MS-1), Congregate Care, Monitoring, Decontamination and Registration of Evacuees and Evacuee Vehicles, and Monitoring, Decontamination and Registration of Emergency Workers, Equipment and Emergency Worker Vehicles.

No Deficiencies, Areas Requiring Corrective Action (ARCA), or Plan Issues were identified during these drills.

Copies of this report were transmitted to the DHS/FEMA National Office, the Nuclear Regulatory Commission Region III Office, and the State of Minnesota.

If you have any questions, please contact William King, Chairman, Regional Assistance Committee, DHS/FEMA, Region V, at (312) 408-5575 or David Persaud, Technological Hazards Program Specialist, DHS/FEMA, Region V at (312) 408-5583.

Sincerely,

A handwritten signature in blue ink that reads "Andrew Velasquez III".

Andrew Velasquez III
Regional Administrator

Enclosure (1)

AX45
NRR



Prairie Island Nuclear Generating Plant

After Action Report/ Improvement Plan

Drill Date - August 13, 2013

Radiological Emergency Preparedness (REP) Program



FEMA

Published October 07, 2013

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Prairie Island Nuclear Generating Plant After Action Report/Improvement Plan

Published October 07, 2013

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EXECUTIVE SUMMARY

On August 13 and 15, 2013, Radiological Emergency Preparedness (REP) Exercise evaluations were conducted by the United States Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA) for the 10-mile Emergency Planning Zone (EPZ) around the Prairie Island Nuclear Generating Plant (PINGP). The following out-of-sequence demonstrations were evaluated: Medical Services (MS-1), Congregate Care, Monitoring, Decontamination and Registration of Evacuees and Evacuee Vehicles, and Monitoring, Decontamination and Registration of Emergency Workers, Equipment and Emergency Worker Vehicles. The purpose of the exercises was to assess the level of State and local preparedness in responding to a radiological emergency. These exercises were held in accordance with the DHS/FEMA's policies and guidance concerning the exercise of State and local Radiological Emergency Response Plans (RERPs) and procedures.

The DHS/FEMA wishes to acknowledge the efforts of the many individuals who participated in this exercise. In the State of Minnesota, the Minnesota Division of Homeland Security and Emergency Management and Goodhue County participated.

Protecting the public health and safety is the full-time job of some of the exercise participants and an additional assigned responsibility for others. Still others have willingly sought this responsibility by volunteering to provide vital emergency services to their communities. Cooperation and teamwork on the part of all the participants were evident during this exercise.

This Final After Action Report/Improvement Plan contains the evaluation of the following out-of-sequence interviews and activities:

State of Minnesota:

- Congregate Care Center at the Wabasha - Kellogg High School
- Medical Services Hospital evaluation at Saint Elizabeth's Medical Center
- Medical Services Transportation evaluation of the Wabasha Community Ambulance Service
- Monitoring, Decontamination, and Registration of Evacuees and Evacuee Vehicles at the Wabasha - Kellogg High School
- Monitoring and Decontamination of Evacuee Vehicles at the Wabasha City Public Works Building

Goodhue County:

- Monitoring, Decontamination and Registration of Emergency Workers at the Cannon Falls Fire Department
- Monitoring, Decontamination and Registration of Emergency Worker Vehicles and Equipment at the Cannon Falls Fire Department

There were no Deficiencies identified.

Sections 3 and 4 of this report provide detailed information regarding Deficiencies, Areas Requiring Corrective Action (ARCAs), and Plan Issues (if any).

INTRODUCTION - EXERCISE BASIS

On December 7, 1979, the President directed the FEMA to assume the lead responsibility for all offsite nuclear planning and response. The DHS/FEMA's activities are conducted pursuant to 44 Code of Federal Regulations (CFR) Parts 350 "Review and Approval of State and Local Radiological Emergency Plans and Preparedness", 351 "Radiological Emergency Planning and Preparedness" and 352 "Commercial Nuclear Power Plants: Emergency Preparedness Planning." These regulations are a key element in the REP Program that was established following the Three Mile Island Nuclear Station accident in March 1979.

The DHS/FEMA Rule 44 CFR 350 establishes the policies and procedures for the DHS/FEMA's initial and continued approval of State and local governments' radiological emergency planning and preparedness for commercial nuclear power plants. This approval is contingent, in part, on State and local governments' participation in joint exercises with licensees.

The DHS/FEMA's responsibilities in radiological emergency planning for fixed nuclear facilities include the following:

- Taking the lead in offsite emergency planning and in the review and evaluation of RERPs and procedures developed by State and local governments;
- Determining whether such plans and procedures can be implemented on the basis of observation and evaluation of exercises of the plans and procedures conducted by State and local governments;
- Responding to requests by the U.S. Nuclear Regulatory Commission (NRC) pursuant to the

Memorandum of Understanding between the NRC and the FEMA dated June 17, 1993 (Federal Register, Vol. 58, No. 176, September 14, 1993); and

- Coordinating the activities of Federal agencies with responsibilities in the radiological emergency planning process:
 - U.S. Department of Agriculture
 - U.S. Department of Commerce
 - U.S. Department of Energy
 - U.S. Department of Health and Human Services
 - U.S. Department of the Interior
 - U.S. Department of Transportation
 - U.S. Environmental Protection Agency
 - U.S. Food and Drug Administration and
 - U.S. Nuclear Regulatory Commission.

Representatives of these agencies serve on the DHS/FEMA Region V Regional Assistance Committee (RAC), which is chaired by the DHS/FEMA.

Formal submission of the RERPs for the Prairie Island Nuclear Generating Plant to the FEMA Region V by the State of Minnesota and involved local jurisdictions occurred on March 12, 1981. Formal approval of these RERPs was granted by the FEMA to the State of Minnesota during September 1985 under 44 CFR 350.

The findings presented in this report are based on the evaluations of the Federal evaluation team, with final determinations made by the DHS/FEMA Region V RAC Chairman, and approved by the DHS/FEMA Headquarters.

The criteria utilized in the FEMA evaluation process are contained in:

- NUREG-0654/FEMA-REP-1, Rev. 1, "Criteria for Preparation and Evaluation of Radiological Emergency Response Plans and Preparedness in Support of Nuclear Power Plants," November 1980;
- DHS/FEMA Radiological Emergency Preparedness: Exercise Evaluation Methodology; as published in the FEMA Radiological Emergency Preparedness Manual, dated June 2013.

Section 1 of this report, entitled “Exercise Overview”, presents information pertaining to the team that planned and coordinated the exercise. This section also provides listing of all participating jurisdictions and functional entities that were evaluated.

Section 2 of this report, entitled "Exercise Design Summary", contains the purpose and design of the exercise, and presents basic information and data relevant to the exercise scenario.

Section 3 of this report, entitled "Analysis of Capabilities," presents detailed information on the demonstration of applicable exercise criteria at each jurisdiction or functional entity evaluated in a jurisdiction-based, issues-only format. This section also contains: (1) descriptions of all Deficiencies, ARCAs, and Plan Issues (if any) assessed during this exercise, recommended corrective actions, and the State and local governments' schedule of corrective actions, if applicable, for each identified exercise issue; and (2) descriptions of unresolved ARCAs and Plan Issues assessed during previous exercises and the status of the Offsite Response Organization efforts to resolve them.

Section 4 of this report, entitled “Conclusion” presents the DHS/FEMA summary of overall exercise conduct and results as evaluated against the requirements of 44 CFR 350.

SECTION 1: EXERCISE OVERVIEW

1.1 Exercise Details

Exercise Name

Prairie Island Nuclear Generating Plant

Type of Exercise

Drill

Exercise Date

August 13, 2013

Program

Department of Homeland Security/FEMA Radiological Emergency Preparedness
Program

Scenario Type

Radiological Emergency

1.2 Exercise Planning Team Leadership

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1.3 Participating Organizations

Agencies and organizations of the following jurisdictions participated in the Prairie Island Nuclear Generating Plant drill:

State Jurisdictions

Amateur Radio Emergency Services/Radio Amateur Civil Emergency Services
Cannon Falls Volunteer Fire Department
City of Kellogg Emergency Management

City of Wabasha Department of Public Works
City of Wabasha Fire Department
City of Wabasha Police Department
City of Wabasha Police Reserves
Goodhue County Office of Emergency Management
Kellogg First Response
Maple Grove Fire - Rescue Department
Minnesota Animals in Disaster Coalition
Minnesota Army National Guard
Minnesota Department of Homeland Security and Emergency Management
Minnesota Department of Human Services
Saint Elizabeth's Medical Center
Wabasha Community Ambulance Service
Wabasha County Attorney's Office
Wabasha County Building Maintenance
Wabasha County Department of Corrections
Wabasha County Department of Public Health
Wabasha County Department of Social Services
Wabasha County Dispatch
Wabasha County Probation Office
Wabasha County Sheriff's Office
Winona - Wabasha - Goodhue Chapter of the American Red Cross

Risk Jurisdictions

Cannon Falls Volunteer Fire Department
Goodhue County Office of Emergency Management
Maple Grove Fire - Rescue Department
Minnesota Department of Homeland Security and Emergency Management

SECTION 2: EXERCISE DESIGN SUMMARY

2.1 Exercise Purpose and Design

The United States Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA) Region V Radiological Emergency Preparedness (REP) Program Staff evaluated the the Prairie Island Nuclear Generating Plant (PINGP) out-of-sequence Medical Services (MS-1), Congregate Care, Monitoring, Decontamination and Registration of Evacuees and Evacuee Vehicles, and Monitoring, Decontamination and Registration of Emergency Workers, Equipment and Emergency Worker Vehicles drills conducted on August 13 and 15, 2013 to assess the capabilities of local emergency preparedness organizations in implementing their Radiological Emergency Response Plans (RERP) and procedures to protect the public health and safety during a radiological emergency involving the PINGP. The purpose of this report is to present the results and findings on the performance of the Offsite Response Organizations (OROs) during a simulated radiological emergency.

2.2 Exercise Objectives, Capabilities and Activities

Exercise objectives and identified Capabilities/REP Criteria selected to be demonstrated are discussed in Appendix C "Exercise Plan".

The Exercise Planning Team (EPT) selected objectives that focus on evaluating emergency response procedures, identifying areas for improvement, and fostering collaboration between the various OROs and stakeholders. This exercise focused on the following objectives:

- ORO demonstration of effective Emergency Operations Management
- ORO demonstration of effective Protective Action Implementation
- ORO demonstration of effective Support Operations and Facilities.

2.3 Scenario Summary

Appendix C "Exercise Plan" also contains the extent-of-play agreement and the exercise scenarios that were used as the basis for invoking emergency response actions by OROs during the PINGP out-of-sequence Medical Services (MS-1), Congregate Care, Monitoring, Decontamination and Registration of Evacuees and Evacuee Vehicles, and Monitoring, Decontamination and Registration of Emergency Workers, Equipment and Emergency Worker Vehicles drills conducted on August 13 and 15, 2013.

Results of a technical review of the scenario, submitted by the State of Minnesota on August 8, 2013, indicated that the scenario was adequate to support demonstration of the DHS/FEMA requirements, as well as criteria selected by the OROs provided in the State's August 7, 2013, extent-of-play submission. The DHS/FEMA Region V accepted this exercise scenario on August 8, 2013.

During the exercise, controllers from the State of Minnesota and Goodhue County provided "inject messages" containing scenario events and/or relevant data to those persons or locations who would normally receive notification of such events. These inject messages were the method used for invoking additional specific response actions by OROs.

SECTION 3: ANALYSIS OF CAPABILITIES

3.1 Drill Evaluation and Results

Contained in this section are the results and findings of the evaluation of all jurisdictions and functional entities that participated in the August 13 and 15, 2013, out-of-sequence Medical Services (MS-1), Congregate Care, Monitoring, Decontamination and Registration of Evacuees and Evacuee Vehicles, and Monitoring, Decontamination and Registration of Emergency Workers, Equipment and Emergency Worker Vehicles Radiological Emergency Preparedness (REP) drills to test the off-site emergency response capabilities of State and local governments in the 10-mile Emergency Planning Zone surrounding the Prairie Island Nuclear Generating Plant.

Each jurisdiction and functional entity was evaluated based on its demonstration of exercise criteria delineated in the United States Department of Homeland Security (DHS)/Federal Emergency Management Agency (FEMA) REP Program Manual, dated June 2013. Detailed information on the exercise criteria and the extent-of-play agreement used in this exercise are found in Appendix C "Exercise Plan" of this report.

Presented below are definitions of the terms used in this report relative to the criteria demonstration status:

- **M – Met:** The status of a REP exercise Evaluation Area Criterion indicating that the participating ORO demonstrated all demonstration criteria for the Evaluation Area Criterion to the level required in the extent-of-play agreement with no Deficiencies, Areas Requiring Corrective Action (ARCA) or Plan Issues assessed in the current exercise and no unresolved prior ARCAs.
- **D – Deficiency:** An observed or identified inadequacy of organizational performance in an exercise that could cause a finding that offsite emergency preparedness is not adequate to provide reasonable assurance that appropriate protective measures can be taken in the event of a radiological emergency to protect the health and safety of the public living in the vicinity of a nuclear power plant.
- **A – ARCA:** An observed or identified inadequacy of organizational performance in an exercise that is not considered, by itself, to adversely impact public health and safety. Listing of the demonstrated exercise criteria under which one or more ARCAs was/were

assessed during the current exercise or ARCAs assessed during prior exercises remain unresolved. Included is a description of any ARCAs assessed during this exercise and the recommended corrective action to be demonstrated before or during the next biennial exercise.

- P – Plan Issue: An observed or identified inadequacy in the ORO’s emergency plan or implementing procedures, rather than in the ORO’s performance.
- N – Not Demonstrated: Exercise criteria that were not demonstrated as scheduled during this exercise and the reason(s) they were not demonstrated.
- Prior ARCAs - Resolved – Descriptions of ARCAs assessed during previous exercises that were resolved and the corrective actions demonstrated, in this exercise.
- Prior ARCAs - Unresolved – Descriptions of ARCAs assessed during prior exercises that were not resolved in this exercise. Included is the reason the ARCA remains unresolved and recommended corrective actions to be demonstrated before or during the next exercise.
- Prior Plan Issues - Resolved – Descriptions of Plan Issues assessed during previous exercises that were resolved and the corrective actions demonstrated, in this exercise.
- Prior Plan Issues - Unresolved – Descriptions of Plan Issues assessed during prior exercises that were not resolved in this exercise. Included is the reason the Plan Issue remains unresolved and recommended corrective actions to be demonstrated before or during the next exercise.

3.2 Summary Results of Drill Evaluation

The matrix presented in Table 3.1, on the following pages, presents the status of all exercise criteria from the FEMA REP Program Manual, dated June 2013, which were scheduled for demonstration during this exercise by all participating jurisdictions and functional entities. The criterion status box is blank if it was not scheduled for demonstration.

This subsection provides information on the evaluation of each participating jurisdiction and

functional entity in a jurisdiction-based, issues-only format.

The DHS/FEMA has developed a standardized system for numbering exercise issues. This system is used to achieve consistency in numbering exercise issues among the DHS/FEMA Regions and site-specific exercise reports within each Region. It also is used to expedite tracking of exercise issues on a nationwide basis.

The identifying number of Deficiencies, ARCAs, and Plan Issues includes the following elements, with each element separated by a hyphen (-).

- Plant Site Identifier – A two-digit number, corresponding to the Utility Billable Plant Site Code (50 for PINGP).
- Exercise Year – The last two digits of the year the exercise was conducted.

Criterion Number – An alpha and two-digit number corresponding to the criteria numbers in the six Exercise Evaluation Areas described in the DHS/FEMA REP Program Manual, dated June 2013.

- Issue Classification Identifier – (D = Deficiency, A = ARCA, P = Plan Issue).
- Exercise Identification Number – A separate two or three-digit indexing number assigned to each issue identified in the exercise.

Table 3.1 - Summary of Drill Evaluation

DATE: 2013-08-13 SITE: Prairie Island Nuclear Generating Plant, MN M: Met, A: ARCA, D: Deficiency, P: Plan Issue, N: Not Demonstrated			MN-Wabasha-Kellogg HS Evac Registration	MN-Saint Elizabeth's-MS-1-Trans	MN-Cannon Falls FD-EW Registration	MN-Saint Elizabeth's-MS-1 Facility	MN-Cannon Falls FD-EW Mon/Decon	MN-Cannon Falls FD-EW Vehicle Mon/Decon	MN-Wabasha-Kellogg HS-EvacVeh Mon/Decon	MN-Wabasha-Kellogg HS-EvacMon/Decon	Wabasha-Kellogg HS CCC	MN-Wabasha-Kellogg HS-Evac Reg
Emergency Operations Management												
Mobilization	1a1											
Facilities	1b1	M										
Direction and Control	1c1	M		M								
Communications Equipment	1d1	M	M	M	M							
Equipment and Supplies to Support Operations	1e1	M	M	M	M							
Protective Action Decision Making												
EW Exposure Control Decisions	2a1											
PARs	2b1											
PADs	2b2											
PADs for Disabled/Functional Needs	2c1											
Ingestion PADs	2d1											
RRR Decisions	2e1											
Protective Action Implementation												
EW Exposure Control Implementation	3a1	M	M	M	M							
KI Public/Institutionalized	3b1											
PAD Implementation Disabled/Functional Needs	3c1											
PAD Implementation Schools	3c2											
TACP Establishment	3d1											
Impediments	3d2											
Implement Ingestion PADs	3e1											
Ingestion Pathway Decisions	3e2											
Implementation of RRR Decisions	3f1											
Field Measurement and Analysis												
RESERVED	4a1											
Field Team Management	4a2											
Field Team Operations	4a3											
Field Team Sampling	4b1											
Laboratory Operations	4c1											
Emergency Notification and Public Info												
Initial Alert & Notification	5a1											
RESERVED	5a2											
Backup Alert & Notification	5a3											
Exception Area Alerting	5a4											

Unclassified
Radiological Emergency Preparedness Program (REP)

After Action Report/Improvement Plan

Prairie Island Nuclear Generating Plant

Subsequent Information & Instructions	5b1											
Support Operations/Facilities												
Reception Center Operations	6a1						M	M				M
EW Monitoring & Decontamination	6b1					M	M					
Congregate Care	6c1											M
Contaminated Injured Transport & Care	6d1		M		M							

3.3 Criteria Evaluation Summaries

3.3.1 Minnesota Jurisdictions

3.3.1.1 State of Minnesota - Wabasha - Kellogg High School - Evacuee Reception Center

The State of Minnesota and the Wabasha – Kellogg High School Evacuee Reception Center staff demonstrated the Target Capability of Reception Center Management on August 15, 2013. It was demonstrated that the facility was sufficient to support an emergency response. Leadership personnel demonstrated proper direction and control in managing the facility and operations. There were at least two communications systems available, and at least one system operated properly. Communications were managed and maintained with appropriate locations throughout the exercise. There was a sufficient supply of equipment, displays, dosimetry and supplies to support emergency operations. Reception Center personnel demonstrated adequate use of dosimetry and procedures to manage radiological exposure to emergency workers.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.b.1, 1.c.1, 1.d.1, 1.e.1, 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.2 State of Minnesota - Saint Elizabeth's Medical Center - Medical Services - Transportation - Wabasha Community Ambulance Service

The State of Minnesota and the Wabasha Community Ambulance Service staff demonstrated the Target Capability of Triage and Pre-Hospital Treatment of Contaminated Patients on August 13, 2013. The Wabasha Community Ambulance Service staff had at least two communications systems available and operated properly. Communications were managed and maintained with appropriate locations throughout the exercise. There was a sufficient supply of appropriate equipment, dosimetry, and needed supplies to support emergency operations. The appropriate use of dosimetry and procedures to manage radiological exposure to emergency workers was demonstrated. Emergency workers periodically and at the end of the demonstration read their

dosimeters and recorded the readings on the appropriate dose records, which the workers knew were to be returned at the Emergency Worker Decontamination Center in Cannon Falls or to the Radiological Officer at the Reception Center. Adequate resources and trained personnel were available to provide transport and immediate medical services to an injured individual. The Wabash Community Ambulance Service crew stated that patient monitoring and decontamination would occur at the hospital.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.3 State of Minnesota - Saint Elizabeth's Medical Center - Medical Services - Facility

The State of Minnesota and Saint Elizabeth's Medical Center staff demonstrated the Target Capability of Triage and Treatment of Contaminated Patients on August 13, 2013. At least two communications systems were available and operated properly. Communications were managed and maintained with appropriate locations throughout the exercise. There was a sufficient supply of equipment, displays, dosimetry and supplies to support emergency operations. Medical Center personnel were issued appropriate dosimetry and managed radiological exposure to emergency workers in accordance to plans and procedures. Emergency workers periodically and at the end of the demonstration read their dosimeters and recorded the readings on the appropriate dose records. Appropriate space, adequate resources, and trained personnel were available to provide monitoring, decontamination, and medical services to a contaminated, injured individual.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.d.1, 1.e.1, 3.a.1, 6.d.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None

-
- f. PRIOR ISSUES - RESOLVED: None
 - g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.4 State of Minnesota - Wabasha - Kellogg High School - Evacuee Vehicle Monitoring and Decontamination

The State of Minnesota and the Wabasha City Public Works Building Evacuee Vehicle Monitoring and Decontamination staff demonstrated the Target Capability of Monitoring and Decontaminating Evacuee Vehicles on August 15, 2013. Appropriate space, adequate resources, and trained personnel were available to provide monitoring and decontamination of evacuee vehicles.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.5 State of Minnesota - Wabasha - Kellogg High School - Evacuee Monitoring and Decontamination

The State of Minnesota and the Wabasha – Kellogg High School Evacuee Monitoring and Decontamination staff demonstrated the Target Capability of Evacuee Monitoring and Decontaminating on August 15, 2013. Appropriate space, adequate resources, and trained personnel were available to provide monitoring and decontamination of evacuees.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None

- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.6 State of Minnesota - Wabasha - Kellogg High School - Congregate Care Center

The State of Minnesota and the Wabasha – Kellogg High School Congregate Care Center (CCC) staff demonstrated the Target Capability of CCC Management on August 15, 2013. The Winona - Wabasha - Goodhue Chapter of the Southern Minnesota Region of the American Red Cross (ARC) demonstrated that the CCC facility had the resources to provide services and accommodations consistent with the ARC planning guidelines. Per interview, the ARC shelter manager demonstrated the procedures to assure that evacuees had been monitored for contamination and decontaminated as appropriate prior to entering the CCC. The CCC activities were on the lower level of the Wabasha - Kellogg High School Complex in and around the elementary school gymnasium.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.c.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.1.7 State of Minnesota - Wabasha - Kellogg High School - Evacuee Registration

The State of Minnesota and the Wabasha – Kellogg High School Evacuee Registration staff demonstrated the Target Capability of Evacuee Registration on August 15, 2013. Appropriate space, adequate resources, and trained personnel were available to provide registration of evacuees.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None

- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2 Risk Jurisdictions

3.3.2.1 Goodhue County - Cannon Falls Fire Department - Emergency Worker Reception Center

Goodhue County and the Cannon Falls Fire Department Emergency Worker Monitoring, Decontamination, and Registration Center staff demonstrated the Target Capability of Reception Center Management on August 13, 2013. Key personnel with leadership roles provided direction and control to that part of the overall response effort for which they were responsible. At least two communications systems were available and operated properly. Communications were managed and maintained with appropriate locations throughout the exercise. There was a sufficient supply of appropriate equipment, dosimetry, and needed supplies to support emergency operations. The appropriate use of dosimetry and procedures to manage radiological exposure to emergency workers was demonstrated. Emergency workers periodically and at the end of the demonstration read their dosimeters and recorded the readings on the appropriate dose records.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 1.c.1, 1.d.1, 1.e.1, 3.a.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.2 Goodhue County - Cannon Falls Fire Department - Emergency Worker Monitoring, Decontamination and Registration

Goodhue County and the Cannon Falls Fire Department Emergency Worker Monitoring, Decontamination and Registration Center staff demonstrated the Target Capability of Monitoring, Decontaminating and Registration of Emergency Workers on August 13, 2013. It was demonstrated that adequate procedures and resources were available to accomplish monitoring, decontamination and registration of emergency workers.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

3.3.2.3 Goodhue County - Cannon Falls Fire Department - Emergency Worker Vehicle Monitoring, Decontamination and Registration

Goodhue County and the Cannon Falls Fire Department Emergency Worker Monitoring, Decontamination and Registration Center staff demonstrated the Target Capability of Monitoring, Decontaminating and Registration of Emergency Worker Vehicles and Equipment on August 13, 2013. There were adequate procedures and resources to accomplish the monitoring, decontamination and registration of emergency worker vehicles and equipment.

In summary, the status of DHS/FEMA criteria for this location is as follows:

- a. MET: 6.b.1.
- b. AREAS REQUIRING CORRECTIVE ACTION: None
- c. DEFICIENCY: None
- d. PLAN ISSUES: None
- e. NOT DEMONSTRATED: None
- f. PRIOR ISSUES - RESOLVED: None
- g. PRIOR ISSUES - UNRESOLVED: None

SECTION 4: CONCLUSION

There were no Deficiencies, Areas Requiring Corrective Actions or Plan Issues identified for the State of Minnesota or Goodhue County.

APPENDIX A: DRILL EVALUATORS AND TEAM LEADERS

The following is a list of the personnel that evaluated the Prairie Island Nuclear Generating Plant (PINGP) out-of sequence Radiological Emergency Preparedness Drill on August 13 and 15, 2013. The list includes the evaluation team leadership and all evaluators. The organization each evaluator represents is indicated by the following abbreviations:

DHS/FEMA - Department of Homeland Security/Federal Emergency Management Agency

ICFI - ICF International Consulting

Title	Name	Organization
Radiological Assistance Committee, Chairman	William E. King	DHS/FEMA
Exercise Director	Gary Naskrent	DHS/FEMA
Minnesota Site Specialist	David Persaud	DHS/FEMA
Team Leader - State of Minnesota	Clint Crackel	DHS/FEMA
Regional Coordinator	John Wills	ICFI

DATE: 2013-08-13, SITE: Prairie Island Nuclear Generating Plant, MN

LOCATION	EVALUATOR	AGENCY
State of Minnesota - Wabasha - Kellogg High School - Evacuee Reception Center	*Clinton Crackel Bart Ray	FEMA RV ICFI
State of Minnesota - Saint Elizabeth's Medical Center - Medical Services - Transportation - Wabasha Community Ambulance Service	Bart Ray	ICFI
State of Minnesota - Saint Elizabeth's Medical Center - Medical Services - Facility	John Wills	ICFI
State of Minnesota - Wabasha - Kellogg High School - Evacuee Vehicle Monitoring and Decontamination	*Clinton Crackel	FEMA RV
State of Minnesota - Wabasha - Kellogg High School - Evacuee Monitoring and Decontamination	John Wills	ICFI
State of Minnesota - Wabasha - Kellogg High School - Congregate Care Center	*Clinton Crackel	FEMA RV
State of Minnesota - Wabasha - Kellogg High School - Evacuee Registration	Bart Ray	ICFI
Goodhue County - Cannon Falls Fire Department - Emergency Worker Reception Center	Bart Ray John Wills	ICFI ICFI
Goodhue County - Cannon Falls Fire Department - Emergency Worker Monitoring, Decontamination and Registration	Bart Ray	ICFI
Goodhue County - Cannon Falls Fire Department - Emergency Worker Vehicle Monitoring, Decontamination and Registration	*Clinton Crackel	FEMA RV
* Team Leader		

APPENDIX B: ACRONYMS AND ABBREVIATIONS

Acronym	Meaning
ARC	American Red Cross
ARCA	Areas Requiring Corrective Action
ARES	Amateur Radio Emergency Services
CCC	Congregate Care Center
CPM	Counts Per Minute
DCA	Dosimetry Corporation of America
DECON	Decontamination
DHS	Department of Homeland Security
DRD	Direct - Reading Dosimeter
ED	Emergency Department
EPZ	Emergency Planning Zone
EWMDRC	Emergency Worker Monitoring, Decontamination and Registration Center
FEMA	Federal Emergency Management Agency
HEPA	High Efficiency Particulate Air
IC	Incident Command
NRC	Nuclear Regulatory Commission
ORO	Offsite Response Organizations
PINGP	Prairie Island Nuclear Generating Plant
PPE	Personal Protective Equipment
PRD	Permanent Record Dosimeter
RAC	Regional Assistance Committee
RACES	Radio Amateur Civil Emergency Services
RC	Reception Center
REA	Radiation Emergency Area
REP	Radiological Emergency Preparedness
RO	Radiological Officer
SEOC	State Emergency Operations Center
TEDE	Total Effective Dose Equivalent
TLD	Thermoluminescent Dosimeter

APPENDIX C: EXERCISE PLAN

The following documents are included in the Exercise Plan:

State of Minnesota and Goodhue Counties Extent-of-Play Agreement

Emergency Worker Decon: Personnel Decon

Emergency Worker Decon: Vehicle Decon

Reception Center: Personnel Decon

Reception Center: Vehicle Decon

2013 REP Exercise Medical Scenario (MS-1) Wabasha Community Ambulance Service

2013 REP Exercise Medical Scenario (MS-1) Saint Elizabeth's Medical Center

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**August 2013
Prairie Island Nuclear Generating Plant Reception Center, Hospital
and EWD Demonstration
Extent of Play Agreement
State of Minnesota/Wabasha and Goodhue Counties**

This Extent of Play is written and provided for the Wabasha St. Elizabeth's Hospital (MS-1), Wabasha Ambulance (MS-1), Cannon Falls Fire Department (EWD) and the Wabasha Reception Center demonstrations. MS-1 and the Emergency Worker Monitoring & Decontamination exercise demonstration will be on August 13, 2013. Wabasha Reception Center exercise demonstration will be on August 15, 2013.

Criteria that can be re-demonstrated immediately for credit, at the discretion of the evaluator, include the following: 3.a.1, 6.a.1, 6.b.1, 6.c.1 and 6.d.1. It is the desire of the State of Minnesota to re-demonstrate (as needed) any areas of concern during the week of the exercise as possible.

Overview of Exercise Schedule and Sites

Tuesday August 13th		
Partial scale Plume Phase Exercise Evaluator Briefing	7:00 am	St Elizabeth Hospital – Wabasha MN 1200 5 th Grant Blvd West Wabasha, MN 55981 (parking lot)
Wabasha Ambulance	7:30 am	St Elizabeth Hospital – Wabasha MN 1200 5 th Grant Blvd West Wabasha, MN 55981 (parking lot)
St. Elizabeth's Hospital	8:30-10:30 am	St Elizabeth Hospital – Wabasha MN 1200 5 th Grant Blvd West Wabasha, MN 55981
Cannon Falls Fire Department EWD	6:00 – 9:00 pm	Cannon Falls Fire Department 320 Hoffman Street West Cannon Falls, MN 55009

Thursday August 15th		
Wabasha Reception Center	6:00-9:00 pm	Wabasha-Kellogg School 2113 Hiawatha Drive East Wabasha, MN 55981
Wabasha Reception Center: Vehicle Decontamination	6:00-9:00 pm	Wabasha City Public Works Building 700 10 th Street W. Wabasha, MN 55981
Congregate Care	6:00-9:00 pm	Wabasha-Kellogg School 2113 Hiawatha Drive East Wabasha, MN 55981

Additional Exercise Notes

- New green cards will be available as part of the briefing packet for emergency workers to obtain their briefing and may read and sign to substitute for a spoken Briefing.
- Hospital, Ambulance and Cannon Falls EWD will exercise August 13, 2013.
- Wabasha Reception Center will exercise August 15, 2013.

EVALUATION AREA 1 – EMERGENCY OPERATIONS MANAGEMENT

SUB-ELEMENT 1.a - Mobilization

Criterion 1.a.1: OROs use effective procedures to alert, notify, and mobilize emergency personnel and activate facilities in a timely manner.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 1.b - Facilities

Criterion 1.b.1: Facilities are sufficient to support the emergency response.

State of Minnesota

The state will demonstrate that all facilities used to support emergency activities are adequate and will be set up based on plans and procedures just as they would be for an actual emergency in regard to the new reception center, congregate care and MS-1 facilities.

The State of Minnesota will demonstrate new facilities for initial certification for 44CFR 350 in off-line exercises. The new facilities are the Wabasha-Kellogg School Reception Center, Wabasha-Kellogg School Congregate Care Center on Thursday August 15th at Wabasha-Kellogg School 2113 Hiawatha Drive East Wabasha, MN 55981. The facilities will demonstrate their capabilities to be used to support emergency activities, is adequate and will be based on plans and procedures just as they would be for an actual emergency.

Goodhue County

Goodhue County will demonstrate that all facilities used to support emergency activities are adequate and will be set up based on plans and procedures just as they would be for an actual emergency in regard to the new Emergency Worker Decontamination. Goodhue County will demonstrate the new facility for initial certification for 44CFR 350 in off-line exercises located at Cannon Falls Fire Department 320 Hoffman Street West Cannon Falls, MN 55009 for EWD.

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SUB-ELEMENT 1.c - Direction and Control

Criterion 1.c.1: Key personnel with leadership roles for the ORO provide direction and control to that part of the overall response effort for which they are responsible.

State of Minnesota

The facility Director of Operations is a Safety Officer from the Minnesota Department of Human Services (DHS) will coordinate decisions and emergency activities for the Reception Center with the American Red Cross shelter manager coordinating decisions for the Congregate Care facility.

Goodhue County

The Decontamination Chief as the Cannon Falls fire chief will coordinate decisions and activities within the Emergency Work Decontamination facility.

SUB-ELEMENT 1.d - Communications Equipment

Criterion 1.d.1: At least two communication systems are available, at least one operates properly, and communication links are established and maintained with appropriate locations. Communications capabilities are managed in support of emergency operations.

State of Minnesota

The Reception Center will demonstrate at least one of the lines of communication for the initial evaluation for the new facility.

Line of Communication	Primary	Secondary	Tertiary	Alternative
SEOC to County EOC Goodhue	Private Branch Exchange number (PBX)	Commercial telephone/FAX machine	Public Safety Radio VHF/800 MHz ARMER system	Satellite telephone
Wabasha Reception Center	Cellular Phone	Commercial telephone (landlines)	ARIES radio group	
Goodhue County to Cannon Falls EWD	Commercial telephone	Cellular phone	Public Safety Radio VHF/800 MHz ARMER system	
SEOC to Fixed Medical Support Facility (primary and backup hospitals)	Commercial telephone/FAX Machine	Satellite Phone	Public Safety Radio VHF/800 MHz ARMER system	Amateur Radio
SEOC to Mobile Medical Support	Commercial telephone to primary/backup hospital	Public Safety Radio VHF/800 MHz ARMER system	Amateur Radio	

Goodhue County

The Goodhue County EWD's primary communication links are commercial telephone lines to the county EOC. The first back-up communication method is cellular phone lines. Secondary back-up communication pertains to Public Safety Radio VHF/800 MHz ARMER system.

SUB-ELEMENT 1.e - Equipment and Supplies to Support Operations

Criterion 1.e.1: Equipment, maps, displays, dosimetry, KI, and other supplies are sufficient to support emergency operations.

State of Minnesota

Equipment, Maps and Displays:

The state will demonstrate the use of equipment and displays at the Reception Center and MS-1 as necessary to support emergency operations as per their procedures.

Dosimetry:

Emergency workers will use DRDs and TLDs to control exposure as followed in their procedures.

Note: *Initial briefing will be provided; through the use of the Emergency Worker Exposure cards with QR code and dosimetry to the ambulance personnel in the parking lot just before the demonstration.*

Potassium Iodide (KI):

The shelf life of Minnesota's current supply of KI is approved until July 2015.

Per the State of Minnesota Emergency Operations Plan, emergency workers located outside the 10 mile EPZ such as at the reception center do not take KI.

Monitoring Instruments:

All instruments will be operationally checked before use. Instruments have been calibrated in accordance with the manufacturer's recommendations and calibration documentation will be supplied.

Equipment Maintenance:

All routine equipment checks and maintenance are documented in the current PR-1 report, which has been provided. All radiation monitoring equipment will be operationally checked prior to use to verify proper functioning within a specified operational range.

Goodhue County

Equipment, Maps and Displays:

Goodhue County will demonstrate the use of equipment and displays at the Cannon Falls EWD as necessary to support emergency operations. All instruments will be operationally checked before use. County decontamination equipment is stored at the Cannon Falls Fire Department located at 320 Hoffman Street West Cannon Falls, MN 55009.

Dosimetry:

County emergency workers will wear direct reading dosimeters and TLDs as followed in their procedures.

Potassium Iodide (KI):

KI for emergency workers is stored at the County EOC. The shelf life of Minnesota's current supply of KI has been approved and expires on July 2015.

**Decontamination staff do not take KI.*

EVALUATION AREA 2 - PROTECTIVE ACTION DECISION-MAKING

SUB-ELEMENT 2.a – Emergency Worker Exposure Control

Criterion 2.a.1: OROs use a decision-making process, considering relevant factors and appropriate coordination, to ensure that an exposure control system, including the use of KI, is in place for emergency workers, including provisions to authorize radiation exposure in excess of administrative limits or PAGs.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 2.b – Dose Assessment & PARs & PADs for the Emergency Event

Criterion 2.b.1: Appropriate PARs are based on available information on plant condition, field monitoring data, and licensee and ORO dose projections, as well as knowledge of onsite and offsite environmental conditions.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 2.b.2: A decision-making process involving consideration of appropriate factors and necessary coordination is used to make PADs for the general public (including the recommendation for the use of KI, if ORO policy).

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 2.c – PADs for the Protection of persons with disabilities and access/functional needs

Criterion 2.c.1: PADs are made, as appropriate, for groups of people with disabilities and those with access/functional needs.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

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SUB-ELEMENT 2.d – Radiological Assessment and Decision-Making for the Ingestion Exposure Pathway

Criterion 2.d.1: Radiological consequences for the ingestion pathway are assessed and appropriate PADs are made based on the ORO planning criteria.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 2.e – Radiological Assessment & Decision-making Concerning Post-Plume Phase Relocation, Re-entry, and Return

Criterion 2.e.1: Timely post-plume phase relocation, re-entry, and return decisions are made and coordinated as appropriate, based on assessments of radiological conditions and criteria in the ORO's plan and/or procedures.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

EVALUATION AREA 3 - PROTECTIVE ACTION IMPLEMENTATION

SUB-ELEMENT 3.a – Implementation of Emergency Worker Exposure Control

Criterion 3.a.1: The OROs issues appropriate dosimetry, KI, and procedures, and manage radiological exposure to emergency workers in accordance with the plans/procedures. Emergency workers periodically and at the end of each mission read their dosimeters and record the readings on the appropriate exposure record or chart. Appropriate record-keeping of the administration of KI for emergency workers is maintained.

State of Minnesota

All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The reception center will use a combination of group and individual dosimetry per procedures while the hospital uses group dosimetry and ambulance personnel use individual dosimetry. KI will not be issued due to the facilities not being within the 10 Emergency Planning Zone (EPZ). There shall be a brief on radiation protection prior to deployment per procedure. The briefing to the ambulance crew participating in the MS-1 evaluation will be simulated as though they are being deployed from a reception center.

Workers may use any available resources (e.g., written procedures, the new Emergency Worker Exposure cards with the QR code and/or coworkers) in providing responses.

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Note: *Initial briefing will be provided; through the use of the Emergency Worker Exposure cards with QR code and dosimetry to the ambulance personnel in the parking lot just before the demonstration.*

Goodhue County

All emergency workers that are issued dosimetry will demonstrate appropriate use of the dosimeter and record keeping in accordance with their established procedures/guidelines. A briefing or the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. This can be accomplished by an interview with the evaluator. Workers may use any available resources (e.g., written procedures, the new Emergency Worker Exposure cards with the QR code and/or coworkers) in providing responses.

SUB-ELEMENT 3.b – Implementation of KI Decision for Institutionalized Individuals and the Public

Criterion 3.b.1: KI and appropriate instructions are made available in case a decision to recommend use of KI is made. Appropriate record keeping of the administration of KI for institutionalized individuals and the general public is maintained.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 3.c – Implementation of Protective Actions for persons with disabilities and access/functional needs

Criterion 3.c.1: PADs are implemented for people with disabilities and those with access/functional needs other than schools within areas subject to protective actions.

State of Minnesota

This is a county responsibility and will not be demonstrated by the state. This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 3.c.2: OROs/School officials implement protective actions for schools.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

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SUB-ELEMENT 3.d – Implementation of Traffic and Access Control

Criterion 3.d.1: Appropriate traffic and access control is established. Accurate instructions are provided to traffic and access control personnel.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 3.d.2: Impediments to evacuation are identified and resolved.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 3.e – Implementation of Ingestion Pathway Decisions

Criterion 3.e.1: The ORO demonstrates the availability and appropriate use of adequate information regarding water, food supplies, milk and agricultural production within the ingestion exposure pathway emergency planning zone for implementation of protective actions.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 3.e.2: Appropriate measures, strategies, and pre-printed instructional material are developed for implementing PADs for contaminated water, food products, milk, and agricultural production.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 3.f – Implementation of Post-Plume Phase Relocation, Re-entry, and Return Decisions

Criterion 3.f.1: Decisions regarding controlled re-entry of emergency workers and relocation and return of the public during the post emergency phase are coordinated with appropriate organizations and implemented.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

EVALUATION AREA 4 - FIELD MEASUREMENT AND ANALYSIS

SUB-ELEMENT 4.a – Plume Phase Field Measurement and Analyses

Criterion 4.a.1: [RESERVED]

Criterion 4.a.2: Field teams (two or more) are managed to obtain sufficient information to help characterize the release and to control radiation exposure.

State of Minnesota

This criterion was not selected for evaluation.

Goodhue County

This is a state function and will not be demonstrated.

Criterion 4.a.3: Ambient radiation measurements are made and recorded at appropriate locations, and radioiodine and particulate samples are collected. Teams will move to an appropriate low background location to determine whether any significant (as specified in the plan and/or procedures) amount of radioactivity has been collected on the sampling media.

State of Minnesota

This criterion was not selected for evaluation.

Goodhue County

This is a state function and will not be demonstrated.

SUB-ELEMENT 4.b – Post Plume Phase Field Measurements and Sampling

Criterion 4.b.1: The field teams (two or more) demonstrate the capability to make appropriate measurements and to collect samples (e.g., food crops, milk, water, vegetation, and soil) to support adequate assessments and protective action decision-making.

State of Minnesota

This criterion was not selected for evaluation.

Goodhue County

This is a state function and will not be demonstrated.

SUB-ELEMENT 4.c – Laboratory Operations

Criterion 4.c.1: The laboratory is capable of performing required radiological analyses to support PADS.

State of Minnesota

This criterion was not selected for evaluation.

Goodhue County

This is a state function and will not be demonstrated.

EVALUATION AREA 5 – EMERGENCY NOTIFICATION AND PUBLIC INFORMATION

SUB-ELEMENT AREA 5.a – Activation of the Prompt Alert and Notification System

Criterion 5.a.1: Activities associated with primary alerting and notification of the public are completed in a timely manner following the initial decision by authorized offsite emergency officials to notify the public of an emergency situation. The initial instructional message to the public must include as a minimum the elements required by current REP guidance.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 5.a.2: [RESERVED]

Criterion 5.a.3: Backup alert and notification of the public is completed within a reasonable time following detection by the ORO of a failure of the primary alert and notification system.

State of Minnesota

This criterion is the responsibility of the counties and will not be demonstrated by the state. This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

Criterion 5.a.4: Activities associated with FEMA approved exception areas (where applicable) are completed within 45 minutes of the initial decision by authorized offsite emergency officials to notify the public of an emergency situation

State of Minnesota

This criterion is the responsibility of the counties and will not be demonstrated by the state. This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

SUB-ELEMENT 5.b – Emergency Information and Instructions for the Public and the Media

Criterion 5.b.1: OROs provide accurate emergency information and instructions to the public and the news media in a timely manner.

State of Minnesota

This criterion is not selected for evaluation.

Goodhue County

This criterion is not selected for evaluation.

EVALUATION AREA 6 – SUPPORT OPERATION/FACILITIES

SUB-ELEMENT 6.a – Monitoring, Decontamination, and Registration of Evacuees

Criterion 6.a.1: The reception center facility has appropriate space, adequate resources, and trained personnel to provide monitoring, decontamination, and registration of evacuees.

State of Minnesota

Evacuee monitoring will be demonstrated on August 15, 2013 at 6:00 pm at the Wabasha-Kellogg School located at 2113 Hiawatha Dr E in Wabasha, MN in Wabasha County. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing on the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The reception center will use a combination of group and individual dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 Emergency Planning Zone (EPZ).

The facility Director of Operations is a Safety Officer from the Minnesota Department of Human Services (DHS). The evacuee monitoring stations use both vehicle and personnel portal monitors and will process at least 6 evacuees to demonstrate the 20% EPZ population monitoring capability in a 12-hour period. Hand held survey instruments (Ludlum Model 26s) are used by monitoring staff in the decontamination areas and will be operationally checked prior to use. Reception Center volunteer staff will conduct monitoring and serve as recorders. Volunteer mock evacuees will go through the reception center monitoring, decontamination and registration process. At least one "evacuee" will require decontamination. The decontamination process will be demonstrated by interview with reception center staff. Contamination levels, monitoring and decontamination results will be provided by controllers.

All evacuees who pass through the Reception Center will be processed through the registration station.

Vehicle Monitoring and Decontamination

At least one evacuee vehicle will be monitored and will require decontamination. The vehicle monitoring process will be demonstrated using a combination of portal monitors and hand held survey instruments at the Wabasha-Kellogg School located at 2113 Hiawatha Dr E in Wabasha, MN in Wabasha County. Monitoring and decontamination processes will be demonstrated at the City Public Works Building located at 700 10th Street W. Wabasha, MN.

Controllers will provide contamination and monitoring levels along with decontamination results.

Ambulance personnel may be set up onsite to respond to potentially contaminated and injured evacuees, but this portion will not be evaluated. Evaluation of the ambulance response (MS-1) will occur on Tuesday August 13th at 7:30 AM at St. Elizabeth's Hospital in Wabasha, MN.

Household pet decontamination and monitoring may be set up, but will not be evaluated as a part of this exercise.

This is a state function and will not be demonstrated by the counties.

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SUB-ELEMENT 6.b – Monitoring and Decontamination of Emergency Workers and their Equipment and Vehicles

Criterion 6.b.1: The facility/ORO has adequate procedures and resources to accomplish monitoring and decontamination of emergency workers and their equipment and vehicles.

State of Minnesota

This is a county responsibility and will not be demonstrated by the state.

Goodhue County

Emergency Worker Monitoring and Decontamination will be demonstrated at 6:00 PM Tuesday August 13, 2013 at the Cannon Falls Fire Station located at 320 Hoffman Street West in Cannon Falls in Goodhue County. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing on the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The EWD personnel use individual dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 Emergency Planning Zone (EPZ).

At least one emergency worker will go through the EWD monitoring, decontamination and registration process. One emergency worker will be required to undergo decontamination. The decontamination process will be demonstrated by interview with Emergency Worker Decontamination Center staff.

One emergency worker vehicle will be monitored and will require decontamination. The vehicle decontamination process will be demonstrated by an interview with the Cannon Falls Emergency Worker Decontamination Center staff.

A combination of portal monitors and hand held survey instruments (Ludlum Model 3s) will be used by the Emergency Worker Decontamination Center staff to monitor emergency workers, their vehicles and their equipment. The survey instruments will be operationally checked prior to use.

Controllers will provide contamination and monitoring levels along with decontamination results.

SUB-ELEMENT 6.c – Temporary Care of Evacuees

Criterion 6.c.1: Managers of congregate care facilities demonstrate that the centers have resources to provide services and accommodations consistent with planning guidelines. Managers demonstrate the procedures to assure that evacuees have been monitored for contamination and have been decontaminated as appropriate before entering congregate care facilities.

State of Minnesota

Congregate Care will be demonstrated Thursday August 15, 2013 in conjunction with the Wabasha Reception Center stationed in the Wabasha-Kellogg School. The Congregate Care demonstration will be held in Wabasha County at the Wabasha-Kellogg School located at 2113 Hiawatha Dr E in Wabasha, MN.

An American Red Cross shelter manager and nurse will meet the evaluator at the Wabasha-

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Kellogg School reception center. They will proceed to the selected mass shelter location and conduct a walk-through of the facility. The evaluator will be provided with a list of supplies, equipment, personnel and logistical information for review. The shelter agreement will also be available for review.

Note: *Congregate Care Facilities are designated and operated by the Red Cross.*

This is a state function and will not be demonstrated by the counties.

SUB-ELEMENT 6.d – Transportation and Treatment of Contaminated Injured Individuals

Criterion 6.d.1: The facility/ORO has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals.

State of Minnesota

MS-1 Transportation (Ambulance)

Wabasha Emergency Services will demonstrate this objective in the parking lot outside of St. Elizabeth's Hospital (simulating the reception center) located at 1200 5th Grant Blvd West Wabasha, MN 55981 at 7:30 am on August 13, 2013. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The hospital uses group dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 Emergency Planning Zone (EPZ).

A person will portray an injured contaminated individual. The ambulance crew will respond and assess the patient's medical condition. The ambulance crew will wrap the patient up, remove the victim and transport them to the hospital. Communications between the Ambulance and the Hospital will be demonstrated at this time. Ambulance contamination monitoring will be demonstrated by St. Elizabeth's Hospital in Wabasha, MN.

MS- 1 (Facilities)

St. Elizabeth's Hospital (1200 5th Grant Blvd West Wabasha, MN 55981) will demonstrate this objective at 8:30 am on Tuesday August 13, 2013. Upon notification, the hospital personnel will prepare the emergency room area for arrival of a contaminated patient, including appropriate contamination control measures. The hallway rugs, for the purpose of the exercise, will remain in place; however, they would be removed during a real incident. All emergency workers that are issued dosimetry will demonstrate appropriate use of that dosimetry and record keeping in accordance with their established procedures/guidelines. A briefing or the new Emergency Worker Exposure cards with the QR code may be used as a dosimetry briefing. The emergency workers will demonstrate their knowledge of exposure rate and administrative limits. The ambulance personnel use individual dosimetry per procedures. KI will not be issued due to the facilities not being within the 10 Emergency Planning Zone (EPZ).

Hand held survey instruments (Ludlum 26s) will be used by the hospital personnel to monitor the victim. All instruments will be operationally checked before use. Hand held instruments are calibrated annually.

A contaminated injured evacuee will be delivered by Wabasha Emergency Services Ambulance. Hospital radiation specialists will conduct radiological monitoring as necessary. Appropriate

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equipment and supplies will be available. The setting of priorities between medical treatment and contamination controls will be demonstrated. Samples will be collected and decontamination procedures will be demonstrated. The screening of the ambulance for contamination will be demonstrated at this time.

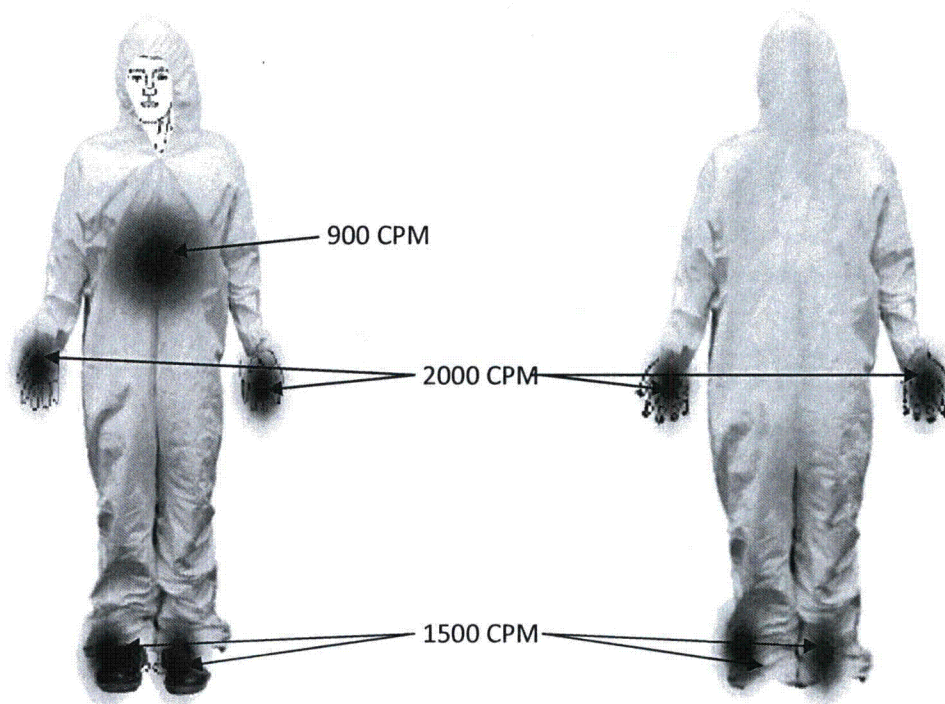
This is a state function and will not be demonstrated by the counties.

Note: *Hospital hallway rugs, due to size and weight, will remain in place for the exercise; however, the rugs would be removed for a real incident.*

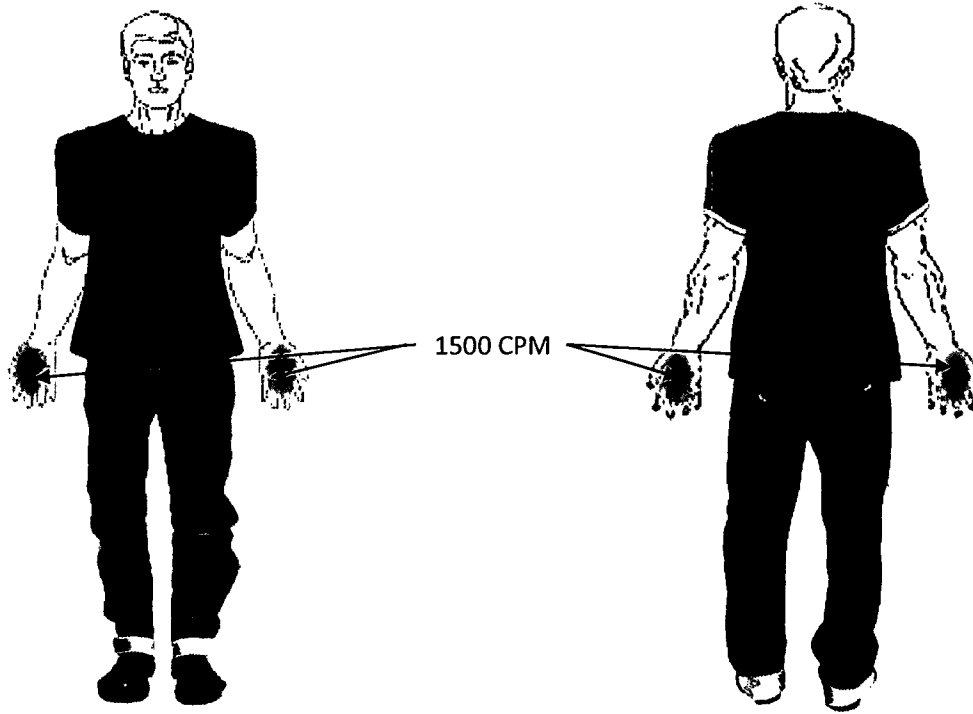
EMERGENCY WORKER DECON: PERSONNEL DECON

Emergency Worker Decon

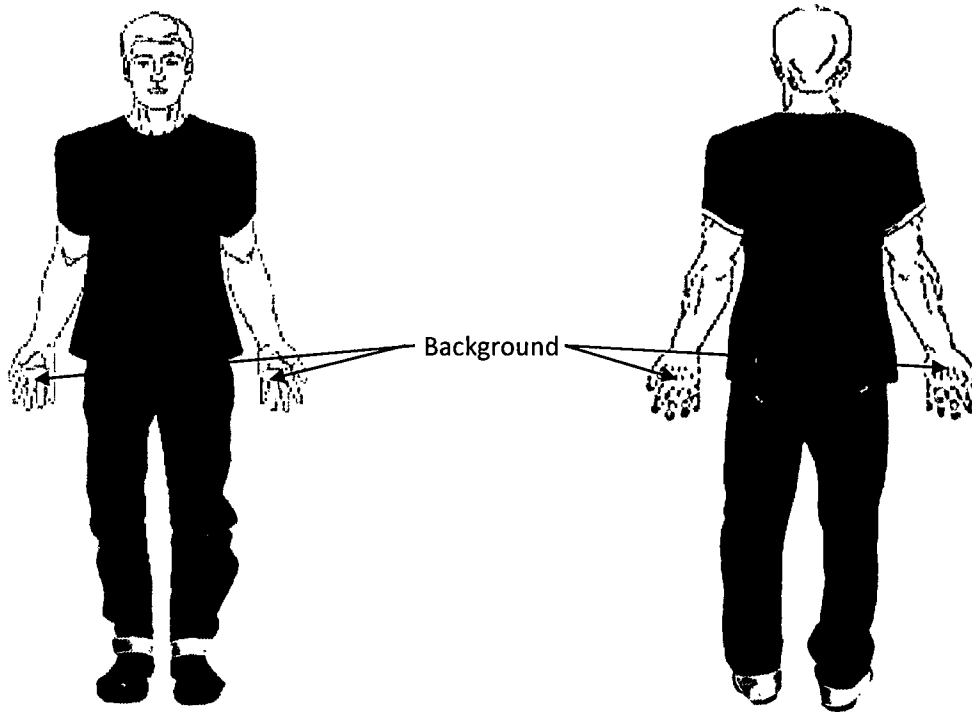
Contaminated Worker #1



Before Decon
Chest – 900 CPM
Hands – 2000 CPM with gloves on
Feet 1500 CPM with boots on



After Doffing	
Hands – 1500 CPM	



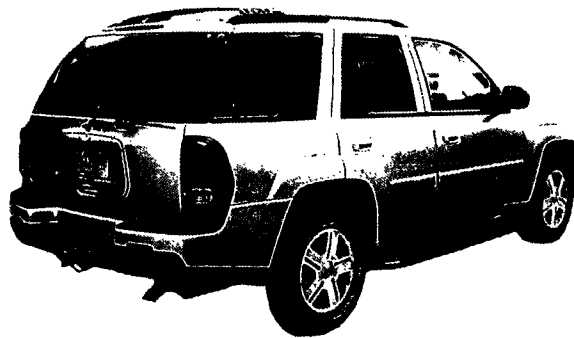
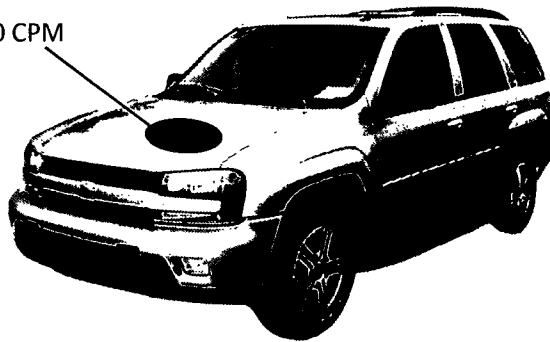
After Decon
Hands – Background

EMERGENCY WORKER DECON: VEHICLE DECON

Emergency Worker Decon

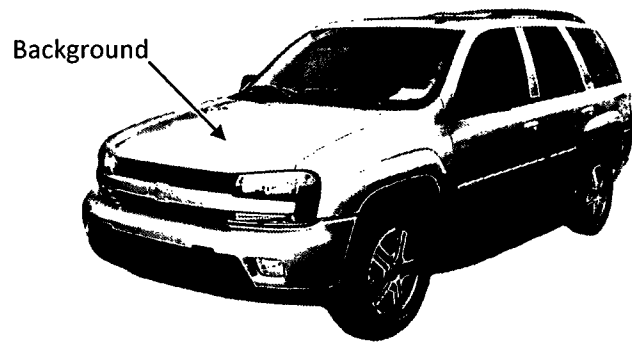
Contaminated Vehicle

1200 CPM



Before Decon

Hood of Vehicle – 1200 CPM

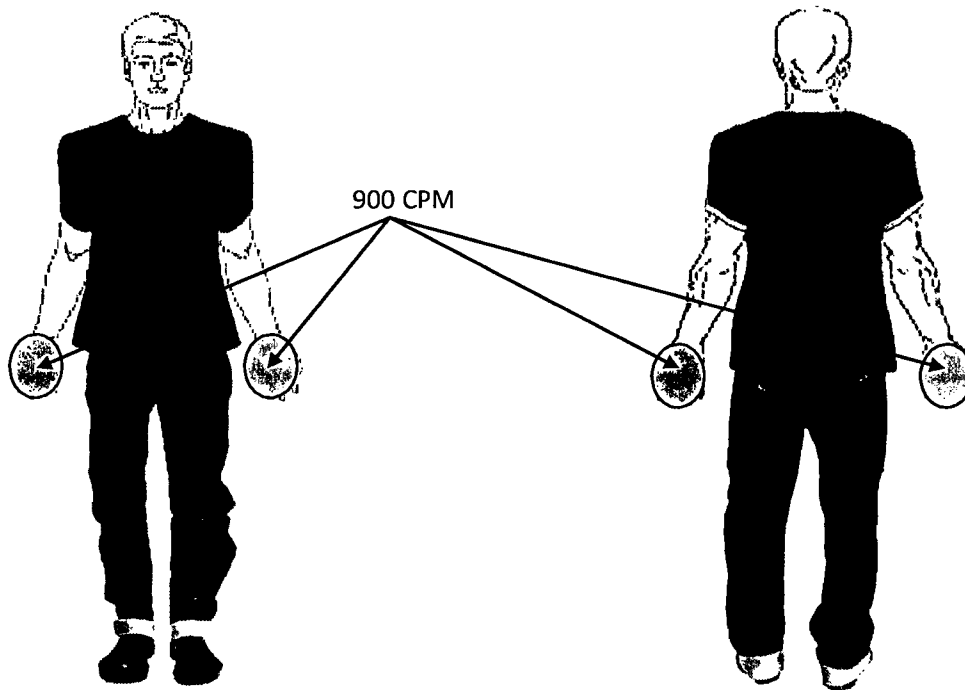


After Decon
Hood of Vehicle – Background

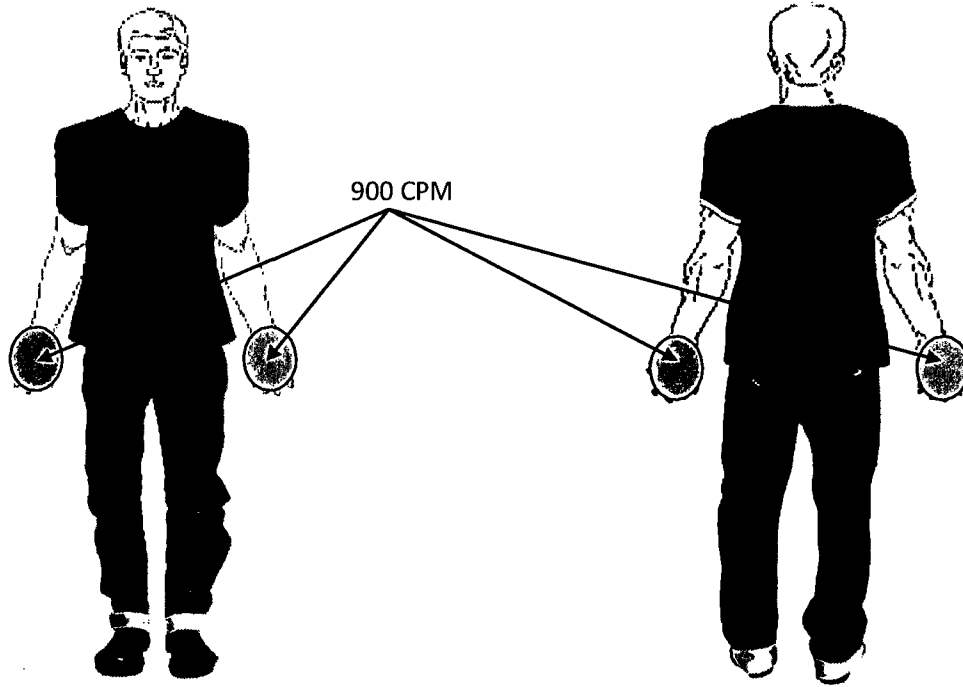
RECEPTION CENTER: PERSONNEL DECON

RECEPTION CENTER

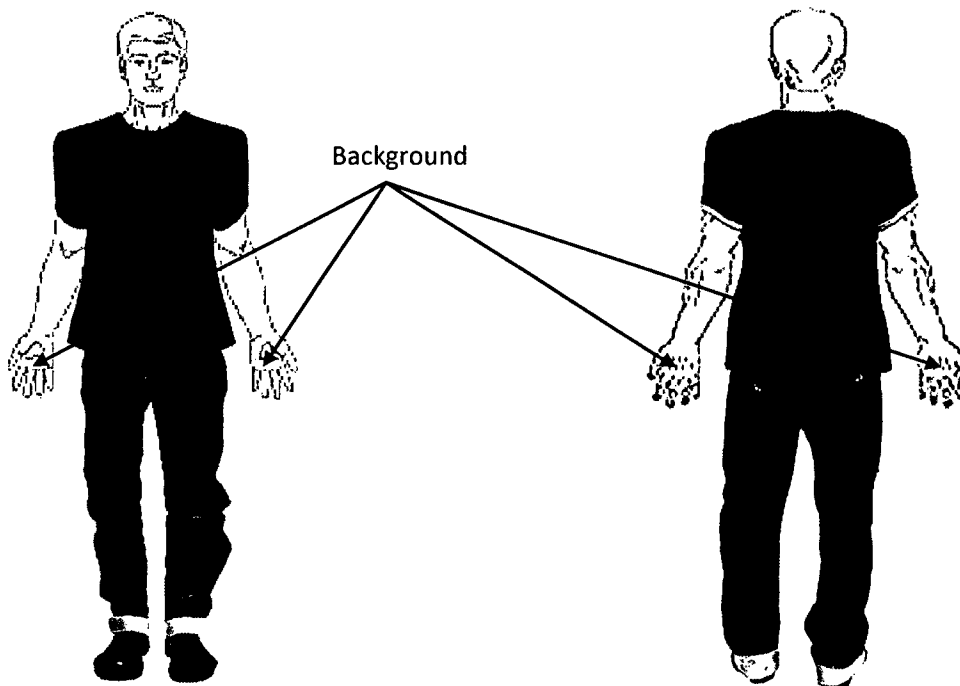
Contaminated Person #1



Before Decon
Hands gloves on – 900 CPM



1 st Decon
Hands – Gloves off – 900 CPM



2nd Decon
Hands – Background

RECEPTION CENTER: VEHICLE DECON

RECEPTION CENTER

Contaminated Vehicle



Before Decon

Driver Door – 1000 CPM



1 st Decon
Driver Door – Background

2013 REP Exercise

Medical Scenario (MS-1)

Wabasha Community Ambulance Service

I. PROPOSED SCHEDULE

Injury: Right radius compound open fracture with cuts/abrasions to right elbow

Date: Tuesday, August 13, 2013

Time: 7:30 AM start time

Location: St. Elizabeth's Hospital - Wabasha, MN

II. PURPOSE

This simulated medical emergency of a contaminated patient is being conducted in order to exercise and test the emergency medical response and transport by Wabasha Ambulance Service to St. Elizabeth's Hospital in Wabasha, MN.

III. CRITERION OF THE EXERCISE

Evaluation Area 6, Sub-element 6.d - Transportation and Treatment of Contaminated Injured Individuals.

Criterion 6.d.1: The facility/ORO (Offsite Response Organization) has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals.

IV. SCENARIO/BACKGROUND

Background

The exercise will begin at approximately 7:30 am when the Wabasha Ambulance Service is staged in the St. Elizabeth's Hospital parking lot (Controller inject message #1).

Ambulance

(Controller inject message #2A and #2B) Wabasha Ambulance will assess, treat and transport the patient while taking into account medical and contamination issues.

2013 REP Exercise

Medical Scenario (MS-1)

Wabasha Community Ambulance Service

Scenario

An individual evacuating from the Prairie Island 10-mile EPZ comes to the general public reception center. This patient had been near the Prairie Island Nuclear Power Plant to get a better look at what was happening as the sirens were sounding. She walked through some tall grass near the fence boundary without being spotted by any responders or field team members. The patient got scared and left after she saw the field team members in suits near where she had been. She then got back to her vehicle and went to the general public reception center to get checked out. Upon arriving, her vehicle was flagged as contaminated. As she exited her vehicle, she slipped and fell injuring her right lower arm. In addition, the victim has various minor cuts, scratches and pain in the right elbow. The patient is confused and experiencing intense pain to her right lower arm (the level of pain is 8 out of 10 with 10 being the highest). The person has contamination on the feet, legs, arms, hands, and clothing from her proximity to the Nuclear Generating plant during the General Emergency.

****Any real emergency takes precedence over scenario play. Inform lead controller of any event that comes up during play. Scenario play will be stopped until the real emergency has been taken care of.****

2013 REP Exercise
Medical Scenario (MS-1)
Wabasha Community Ambulance Service

CONTROLLER MESSAGE #1

Issued To: Ambulance

Issued From: Controller

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

Location: St. Elizabeth's Hospital parking lot (Simulated)

Message: Initial Conditions

7:30 AM

THIS IS A DRILL This is the Wabasha reception center Incident Commander, requesting Wabasha Ambulance Service to respond onsite to the general population reception center in Wabasha for a patient with a possible broken arm and radiological contamination. **THIS IS A DRILL.**

2013 REP Exercise

Medical Scenario (MS-1)

Wabasha Community Ambulance Service

CONTROLLER MESSAGE #2A

Issued To: Ambulance Crew

Issued From: Controller

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.

Note: Do not give this sheet to participants. Give accident information as necessary. **Make them work for the numbers.**

Location: St. Elizabeth's Hospital parking lot (Simulated)

Message: Patient Status

Vital Signs

Pulse: 110
Respiration: 22
Blood pressure: 160/96
Skin: pale, cool, diaphoretic

Other

Female
Age 38
Pain is 8 out of 10 (10 being the worst)
Right radius compound open fracture
Cuts/abrasions to right elbow
Adequate neural muscular function

Patient Chief Complaint: Pain and swelling.

Physical: Edema, ecchymosis, and point tenderness. Gross deformities noted. Neurovascular deficits are not present.

2013 REP Exercise

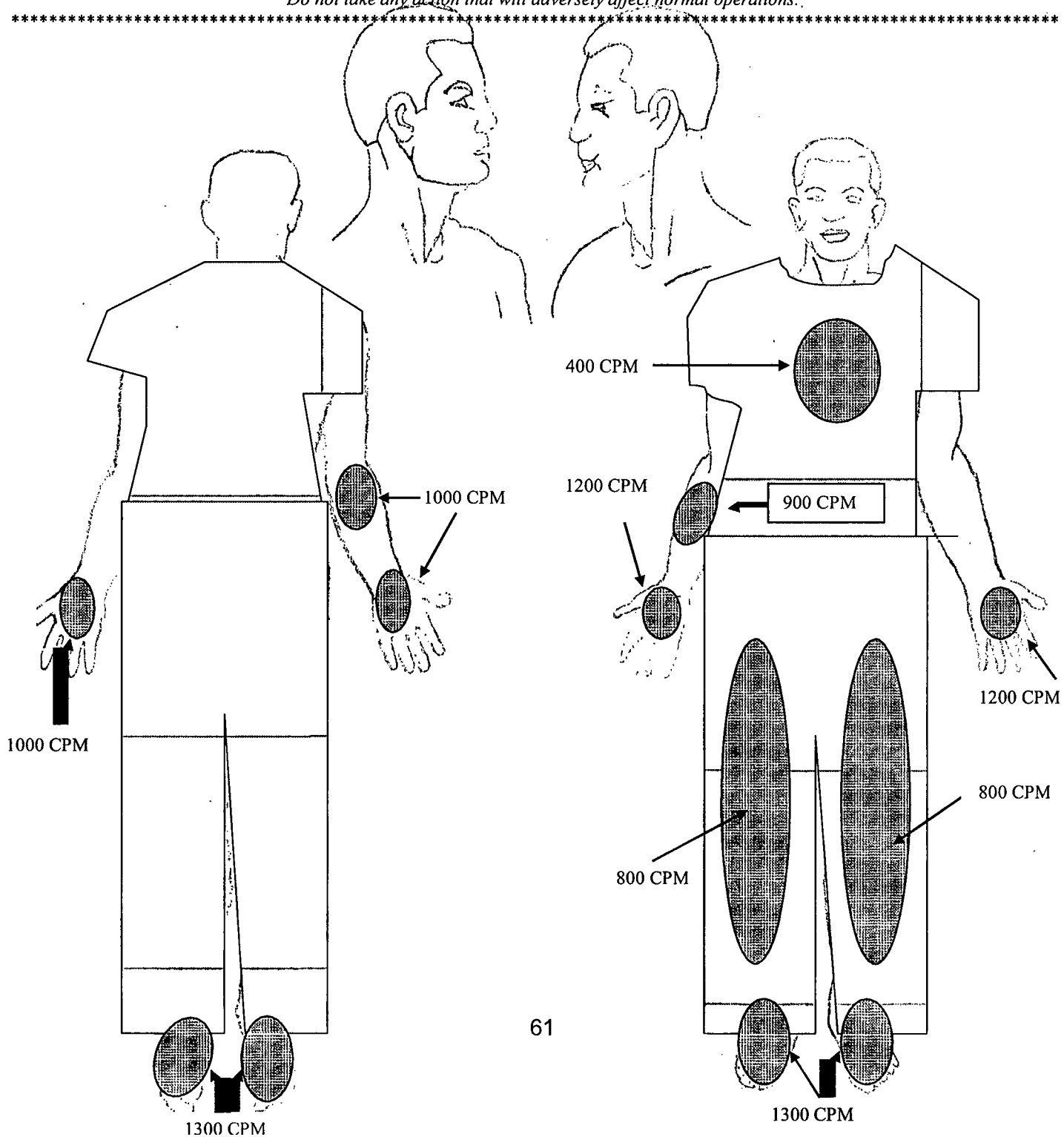
Medical Scenario (MS-1)

Wabasha Community Ambulance Service

(INITIAL CONTAMINATION LEVELS) CONTROLLER MESSAGE #2B

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.



2013 REP Exercise
Medical Scenario (MS-1)
Wabasha Community Ambulance Service

Issued To: MS-1 Participants

Issued From: Controller

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

Location: St. Elizabeth's Hospital parking lot (Simulated)

Message: Controller terminates MS-1 when all criterions have been met.

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

I. PROPOSED SCHEDULE

Injury: Right radius compound fracture with
cuts/abrasions to right elbow

Date: Tuesday, August 13, 2013

Time: 8:30 AM start time

Location: St. Elizabeth's Hospital - Wabasha, MN

II. PURPOSE

This simulated medical emergency of a contaminated patient is being conducted in order to exercise and test the hospital's evaluation and treatment of a contaminated injured patient.

III. CRITERION OF THE EXERCISE

Evaluation Area 6, Sub-element 6.d - Transportation and Treatment of Contaminated Injured Individuals.

Criterion 6.d.1: The facility/ORO (Offsite Response Organization) has the appropriate space, adequate resources, and trained personnel to provide transport, monitoring, decontamination, and medical services to contaminated injured individuals.

IV. SCENARIO/BACKGROUND

Background

A controller, acting as the SEOC Planning and Assessment center, will initiate the exercise (controller message #1) at approximately 8:30am by calling St. Elizabeth's Hospital. Transport will be provided by Wabasha Ambulance Service.

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

Hospital

St. Elizabeth's Hospital will initiate their callout and procedures at approximately 8:30 AM August 13, 2013 after receiving the call from the State Emergency Operations Center (controller will simulate the role of the SEOC). The ambulance personnel will provide communications to the hospital per normal SOPs (may be simulated using controller message #2). Radiological monitoring will be conducted by staff from the hospital (determined in accordance with their procedures). Appropriate equipment and supplies will be available. Radiation Protection Technicians (RPTs) will survey the patient (controller message #3B-3E) and the ambulance survey will be conducted by an interview. The exercise will terminate once all criteria are met (controller messages #4 and #5).

Scenario

An individual evacuating from the Prairie Island 10-mile EPZ comes to the general public reception center. This patient had been near the Prairie Island Nuclear Power Plant to get a better look at what was happening as the sirens were sounding. She walked through some tall grass near the fence boundary without being spotted by any responders or field team members. The patient got scared and left after she saw the field team members in suits near where she had been. She then got back to her vehicle and went to the general public reception center to get checked out. Upon arriving, her vehicle was flagged as contaminated. As she exited her vehicle, she slipped and fell injuring her right lower arm. In addition, the victim has various minor cuts, scratches and pain in the right elbow. The patient is confused and experiencing intense pain to her right lower arm (the level of pain is 8 out of 10 with 10 being the highest). The person has contamination on the feet, legs, arms, hands and clothing from her proximity to the Nuclear Generating plant during the General Emergency.

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

****Any real emergency takes precedence over scenario play. Inform lead controller of any event that comes up during play. Scenario play will be stopped until the real emergency has been taken care of****

Additional: Open fractures require antibiotics and an emergent orthopedic consultation. If orthopedic consultation/transfer is immediately called for, controller will inject consultation/transfer to occur in 30-60 minutes.

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

CONTROLLER MESSAGE #1

Issued To: MS-1 Participants Initial call for Hospital and EMS
(1-651-565-5624)

Issued From: Controller

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

Location: St. Elizabeth's Hospital – Wabasha, MN.

Message: Initial Conditions

7:30 AM – For Hospital

THIS IS A DRILL – This is the MN State Emergency Operations Center, due to a General Emergency at the Prairie Island Nuclear Plant, please get ready to potentially receive contaminated injured individuals shortly. There is a release in progress at the plant. The public is being evacuated and the (simulated) reception center is open for evacuees. **THIS IS A DRILL.**

** (Controller will thoroughly explain that this is a drill).

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

CONTROLLER MESSAGE #2A

Issued To: Hospital's Radiation Protection Technician (RPT)
Issued From: Controller

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.

Note: Do not give this sheet to the Hospital's RPT. Give accident information as necessary. Make them work for the numbers.

Message: Radiation Survey Results and Physical Condition (Also see diagram)

Physical Condition


	Arrival at Hospital	After Completing Decon
Pulse	104	80
Respirations	20	18
Blood Pressure	134/88	114/76
Skin	Pale, Cool, Diaphoretic	Normal
Other	Distal pulse present, good neural muscular function	OR Consultation

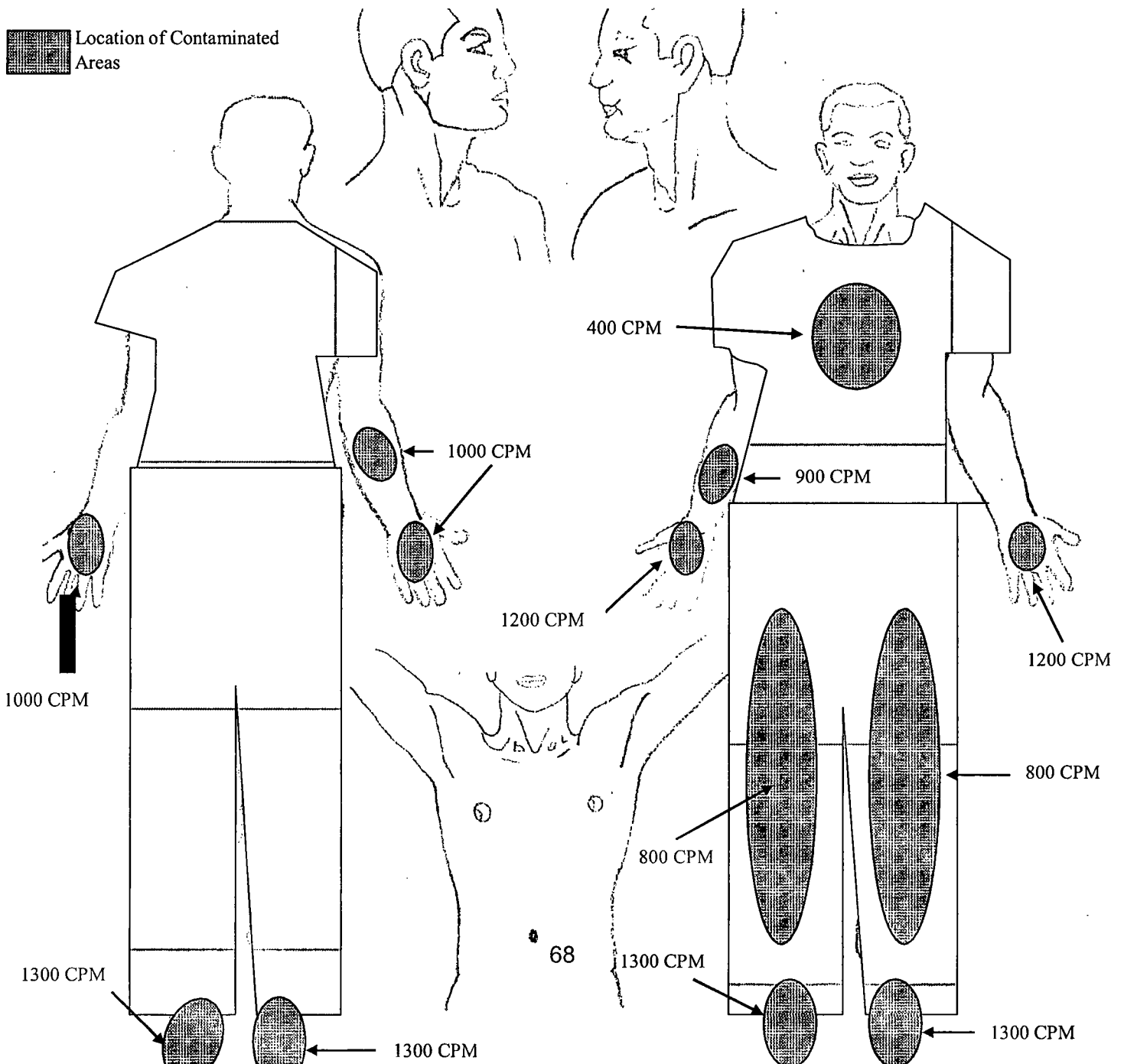
2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

(INITIAL CONTAMINATION LEVELS) CONTROLLER MESSAGE #2B

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.

 Location of Contaminated Areas



2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

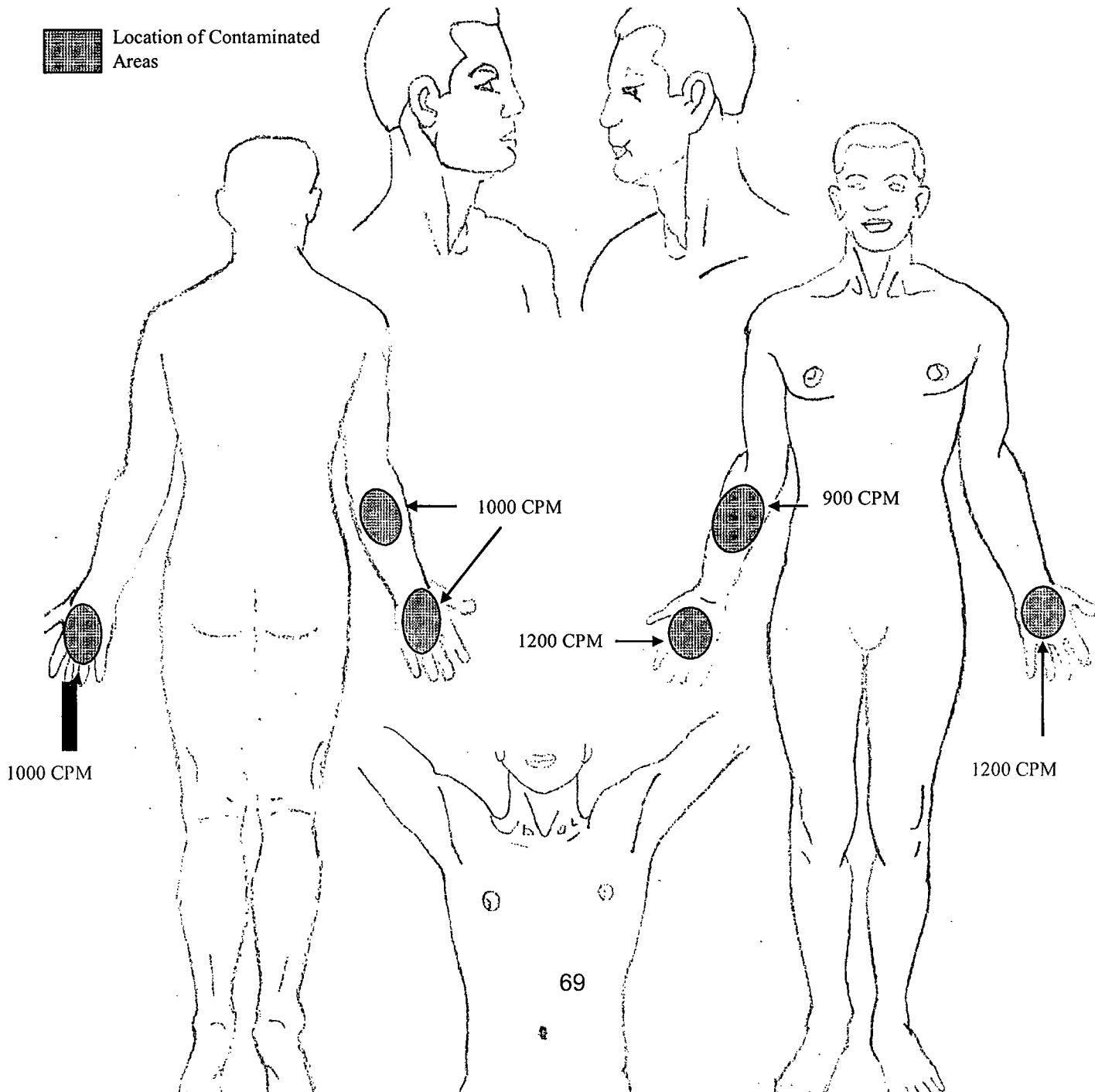
(After 1st Decon - Clothes Removal) CONTROLLER MESSAGE #2C

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.




Location of Contaminated Areas

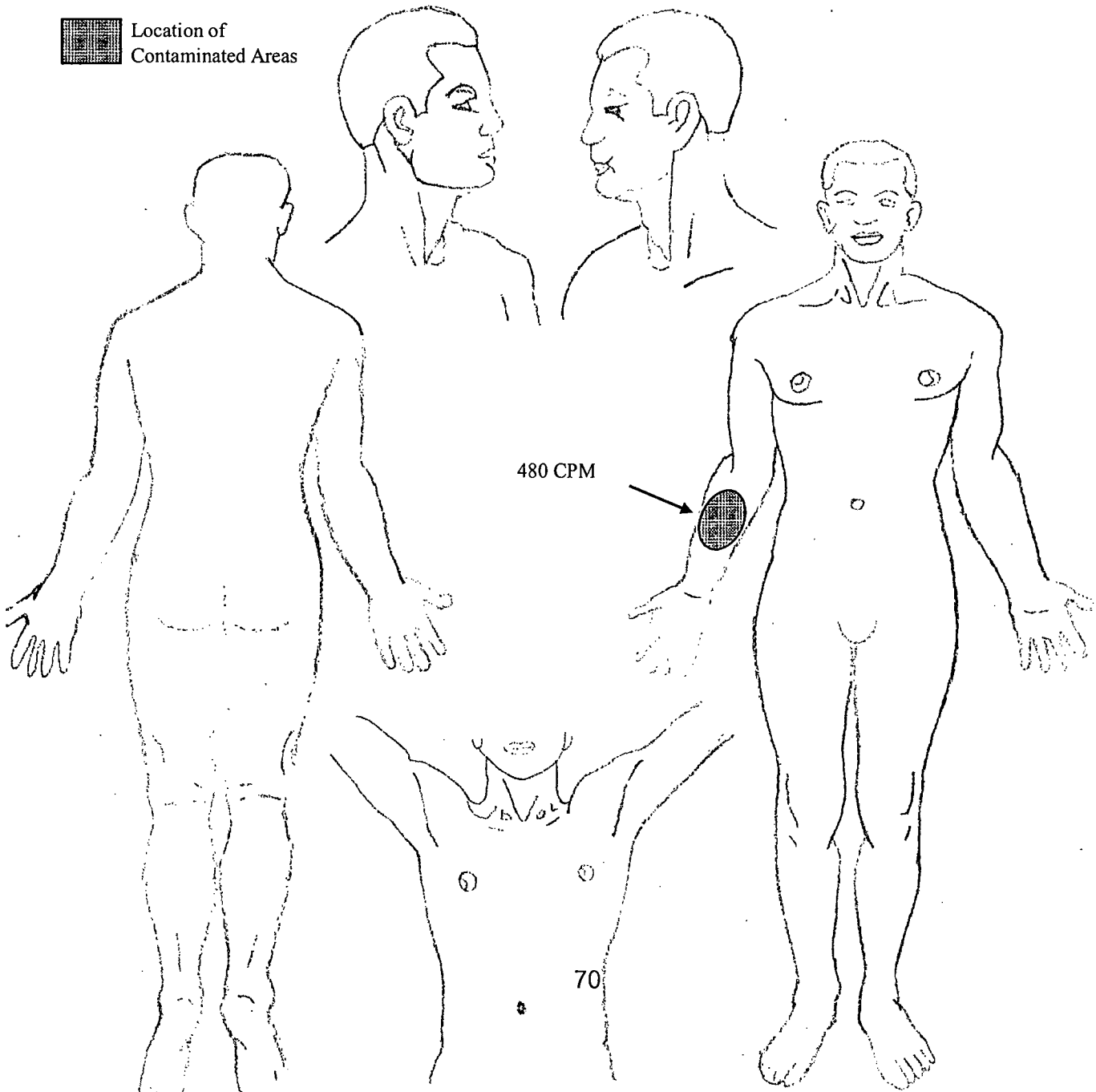


2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

(After 2nd Decon) CONTROLLER MESSAGE #2D

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

 Location of Contaminated Areas



2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

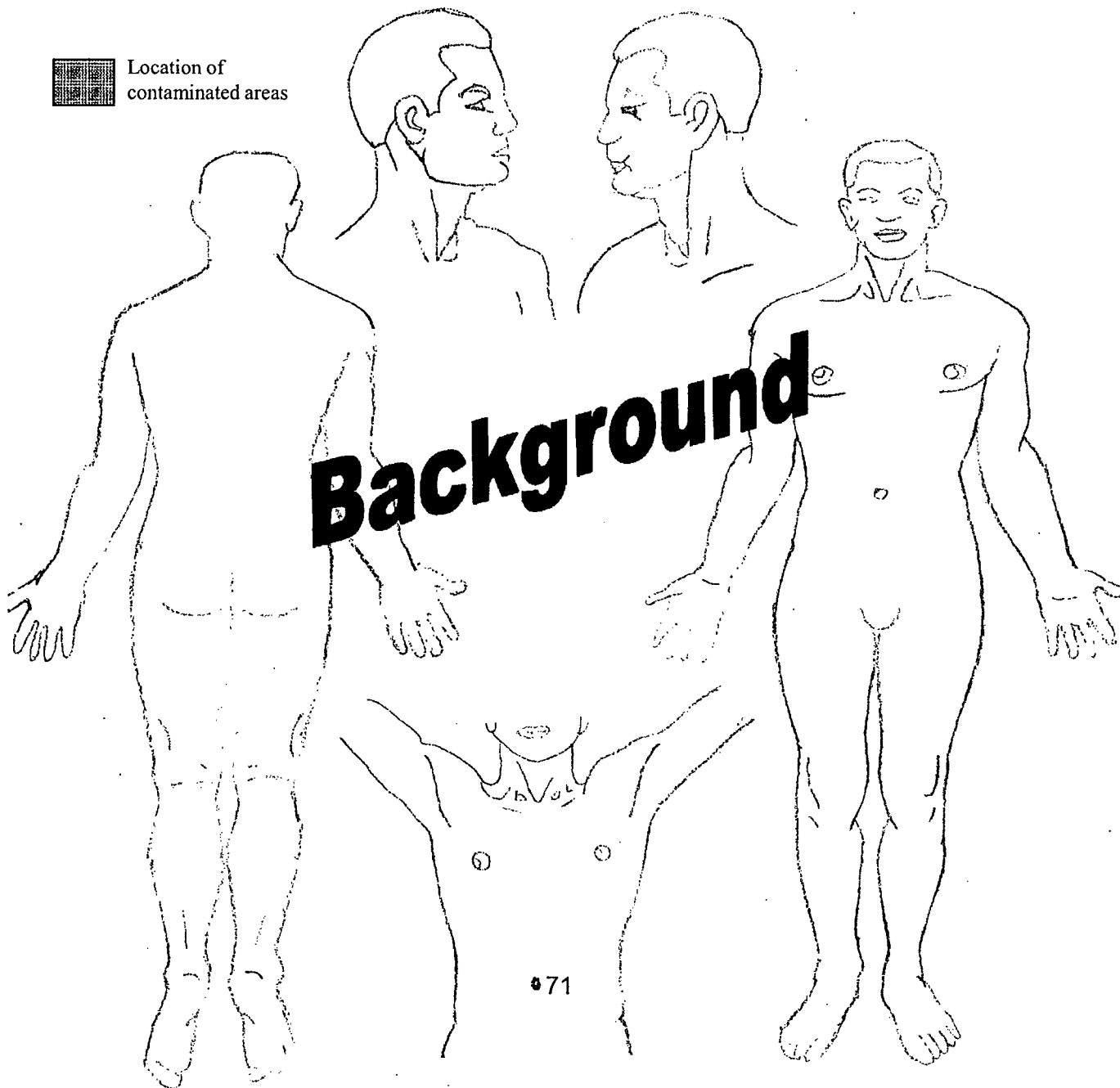
(After 3rd Decon) CONTROLLER MESSAGE #2E

THIS IS A DRILL

Do not take any action that will adversely affect normal operations.



Location of
contaminated areas



2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

CONTROLLER MESSAGE #3

Issued To: Radiation Protection Technician (RPT)

Issued From: Controller

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

Note: Do not give this sheet to radiation protection technician. Give accident information as necessary. Make them work for the numbers.

Location: Radiation Emergency Area

Message: Exit Survey

All areas of patient: Background

All areas of hospital staff that have been in the contaminated area (REA):

Background

Gurney: Background

2013 REP Exercise Medical Scenario (MS-1)
Saint Elizabeth's Medical Center
Wabasha, MN

CONTROLLER MESSAGE #4

Issued To: MS-1 Participants

Issued From: Controller

THIS IS A DRILL
Do not take any action that will adversely affect normal operations.

Location: St. Elizabeth's Hospital, Wabasha, MN

Message: Controller terminates MS-1 when all criteria have been met.

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