

HAZARDOUS MATERIALS INCIDENT COMMANDER

GRADE SHEET PACKAGE

Based on *NFPA 472: Standard for Professional Competence of Responders to Hazardous Materials Incidents*, 2013 Edition.



Alabama Fire College

September 2016
Revised 02/09/17

ALABAMA FIRE COLLEGE

Hazardous Materials Incident Commander

Grading Rubric

(revised 05/24/16)

Project Number	Points Possible
Project 1 - Hazard & Risk Analysis (Group Project)	4
Project 2 - Determine Harm/Route of Entry- NFPA 472 - 8.2.1.1; 8.2.2(3) (Group Project)	4
Project 3 - Generate Site Safety Plan - NFPA 472 - 8.3.4.5 (Group Project)	4
Project 4 - Incident Command Structure - NFPA 472 – 8.4.1 (Group Project)	4
Project 5 - Site Management Activities - NFPA 472 – 8.4.2 (Group Project)	4
Project 6 - General Hazardous Materials Behavior Model - NFPA 472 – 8.2.2(1) (Group Project)	4
Project 7 - PPE Compatibility (Group Project)	4
Project 8 - Effective Communication & Information Management (Group Project)	4
Project 9 - Incident Action Plan – NFPA 472 - 8.3.4 (Group Project)	4
Project 10 - Incident Termination Recovery Operations – NFPA 472 – 8.6.2; 8.6.3(5); 8.6.4 (Group Project)	4
Final Project (Group Project)	5
Completes and submits Peer Review	5
Total Points Possible	50

Project 1 - Hazard & Risk Analysis	Points Possible
<ul style="list-style-type: none"> • Correctly completes Section 3 of the ICS 208HM form; adequately utilizes reference materials (.5 points) • Adequately answers questions on Vulnerability Analysis (1 point) • Adequately answers questions on Hazard Analysis (1 point) • Completes Emergency Response Evaluation (1 point) • Participates in class discussion of answers (.5 points) • Points deducted if not completed in 30 minutes 	4 Points
Total Points Possible	4

Project 2 - Determine Harm/Route of Entry- NFPA 472 - 8.2.1.1; 8.2.2(3)	Points Possible
<ul style="list-style-type: none"> • Utilizes given resources to determine harm/hazards/route of entry associated with product assigned (.5 points) • Adequately completes Harm/Route form for given product (2 points) • Participates in class discussion of answers (.5 points) • Completes exercise in time given (1 point) • Points deducted if not completed in 20 minutes 	4 Points
Total Points Possible	4

Project 3 - Generate Site Safety Plan - NFPA 472 - 8.3.4.5	Points Possible
<ul style="list-style-type: none"> • Adequately completes assigned sections of the ICS 208HM form (1 point) • Correctly utilizes provided resources to research assigned product (1 point) • Participates in class discussion of answers (1 point) • Group presents solutions & safety briefing on assigned product (1 point) • Points deducted if not completed in 30 minutes 	4 Points
Total Points Possible	4

Project 4 - Incident Command Structure - NFPA 472 – 8.4.1	Points Possible
<ul style="list-style-type: none"> • Adequately completes ICS 203 form, correctly drawing command structure for the incident (1 point) • Adequately completes ICS 207 form, utilizing resources from provided list (1 point) • Participates in class discussion of answers (1 point) • Correctly answers questions at end of exercise (1 point) • Points deducted if not completed in 20 minutes 	4 points
Total Points Possible	4

Project 5 - Site Management Activities - NFPA 472 – 8.4.2	Points Possible
<ul style="list-style-type: none"> • Adequately completes ICS 204 form, including sketch with locations of: (1 point) <ul style="list-style-type: none"> • Hazard control zones, based on product assigned • Isolation perimeter • Hot, warm & cold zones • Decontamination corridor • Staging area • Command Post • Area of safe refuge • Triage area • Adequately completes site management on ICS 205HM form, demonstrating the ability to direct the resources safely & efficiently, including how & where, completes ICS 204 form (1 point) • Correctly completes end of exercises questions (1 point) • Participates in class discussion of answers (1 point) • Points deducted if not completed in 45 minutes 	4 points
Total Points Possible	4

Project 6 - General Hazardous Materials Behavior Model - NFPA 472 – 8.2.2(1)	Points Possible
<ul style="list-style-type: none"> • Adequately completes the ICS 208HM form, sections 19-24 (.5 points) • Correctly completes the general Hazardous Materials Behavior Model for assigned container (1 point) • Completes Product Data Sheet for assigned product (1 point) • Correctly answers questions at end of exercise (1 point) • Participates in class discussion of answers (.5 points) • Points deducted if not completed in 45 minutes 	4 points
Total Points Possible	4

Project 7 - PPE Compatibility	Points Possible
<ul style="list-style-type: none"> • Adequately completes the ICS 215a (1 point) • Determine the appropriate PPE, based on the assigned product (.5 points) • Determines appropriate style of PPE, based on compatibility charts (1 point) • Correctly answers questions at the end of exercise (1 point) • Participates in class discussion of answers (.5 points) • Points deducted if not completed in 30 minutes 	4 points
Total Points Possible	4

Project 8 - Effective Communication & Information Management	Points Possible
<ul style="list-style-type: none"> • Participates in exercises to correctly assemble copy of provided structure (1 point) • Team builds matching structure & presents to group (2 points) • Teams follows rules of engagement using only verbal communication (.5 points) • Participates in class discussion of answers (.5 points) • Points deducted if not completed in 30 minutes 	4 points
Total Points Possible	4

Project 9 - Incident Action Plan – NFPA 472 - 8.3.4	Points Possible
<ul style="list-style-type: none"> • Adequately develop an Incident Action Plan, including safety & control plan (2 points) • Correctly completes ICS 202 form (1 point) • Correctly determines appropriate mode of operation using strategic goals supplied (.5 points) <ul style="list-style-type: none"> • Presentation of Incident Action Plan • Participates in class discussion of answers (.5 points) • Points deducted if not completed in 45 minutes 	4 points
Total Points Possible	4

Project 10 - Incident Termination Recovery Operations – NFPA 472 – 8.6.2; 8.6.3(5); 8.6.4	Points Possible
<ul style="list-style-type: none"> • Correctly identifies liability issues for: (.5 points) <ul style="list-style-type: none"> • Planning • Training • Identification of hazards • Duty to warn • Negligent operations • Adequately conducts & completes debrief activities to include (1 point) <ul style="list-style-type: none"> • Product • Equipment • Apparatus repairs • Unsafe conditions • Adequately develops & completes Post-Incident Analysis activities to include (1 point) <ul style="list-style-type: none"> • Reconstruction of incident • Command & control issues • Tactical operations • Resources & support services • Plans, procedures & training required • Demonstrates the ability to report & document the incident • Develop critique activities; implement the procedure for conducting a critique; including incident & areas needed for improvement (1 point) • Participates in class discussion of answers (.5 points) 	<p>4 points</p>
Total Points Possible	4

Final Project	Points Possible
<ul style="list-style-type: none"> • Completes required paperwork correctly (1 point) <ul style="list-style-type: none"> • Estimate potential outcome • Identify response objectives • Identify potential response options • Select proper level of PPE • Develop an IAP • Implement Incident Command System • Provide Press Release • Provide steps for evaluating progress of IAP • Transfer command • Develop debriefing outline • Develop multi-agency critique • Document & report the incident • Completes required power point presentation; including summary of assigned scenario & solutions (1 point) • Participates in group presentation (1 point) • Successfully demonstrates understanding of ICS forms (1 point) • Participates in class discussion of answers (1 point) 	<p>5 points</p>
Total Points Possible	5

Peer Review	Points Possible
Evaluation completed by each group member <ul style="list-style-type: none"><li data-bbox="240 264 610 296">• 90-100% = 5 points<li data-bbox="240 300 610 331">• 80-89% = 4 points<li data-bbox="240 336 610 367">• 70-79% = 3 points<li data-bbox="240 371 610 403">• 60-69% = 2 points<li data-bbox="240 407 610 438">• 50-59% = 1 point	5
Total Points Possible	5

**Alabama Fire College
Hazardous Materials Incident Command**

Student Peer Review

Points: 5

Guidelines for Assigning Grades

- 90-100% Work turned into the group on time and is of high quality
Member contributed totally to group goals
Member enthusiastic and exhibited a willingness to cooperate
Member worked well with team concept
Member willing to compromise to achieve goals

- 80-89% Work is turned in late rarely but is of good quality
Member contributed to goals and is able to compromise to meet group goals

- 70-79% Work is turned in late occasionally and is of average quality
Member contributed but with little cooperation within the group
Member exhibited minimal interest in group project

- Below 70% Member did not contribute to group goals with little or no work contributed
Member exhibited no appreciation for group goals
Member could not function in group situation
Member did more harm than good

Your Name: _____

Peer Evaluation per Project

Name of Team Member	1	2	3	4	5	6	7	8	9	10	Final Project

Comments: _____



Hazardous Materials Incident Commander Projects Grade Sheet

(NFPA 472, 2013 edition)

Revised 07/29/16

(Proctors: Collect Project Grade Sheet & project work ONLY if AFC_Online is NOT being used for project submission)

Student ID: _____

Student Name: _____

Group Assignment: _____

Graded Item	JPRs	Possible Points	Final Score
Project 1 – Hazard & Risk Analysis		4	
Project 2 –Determine Harm/Route of Entry	8.2.1.1; 8.2.2(3)	4	
Project 3 –Generate Incident Site Safety Plan	8.3.4.5	4	
Project 4 –Incident Command Structure	8.4.1	4	
Project 5 –Site Management Activities	8.4.2	4	
Project 6 –General Materials Behavior Model	8.2.2(1)	4	
Project 7 –PPE Compatibility	8.3.3	4	
Project 8 –Effective Communication & Information Management		4	
Project 9 –Incident Action Plan	8.3.4	4	
Project 10 –Incident Termination Recovery Operations	8.6.2; 8.6.3(5); 8.6.4	4	
Final Project		5	
Student Peer Evaluation Form		5	
Total Project Points		50	

Student's Signature

Instructor's Printed Name & Signature

Certification Evaluator's Printed Name & Signature