

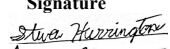

Project Hazard Assessment Worksheet				
PI/instructor: Dr. Dunlap	Phone#: 850-770-2204	Dept.: Mechanical Engineering	Start Date: 3/31/2021	Revision Number: 1
Project:Manufacturing			Location(s): HPMI (High Performance Materials Institute)	
Team member(s): Bryson Potts, LJ Earnest, Manning Owens, Steven Harrington, Tamara McCaskill			Phone#: 850-326-2043	Email: abp19e@my.fsu.edu

Experiment Steps	Location	Person Assigned	Identify hazards or potential failure points	Control method	PPE	List proper method of hazardous waste disposal, if any.	Residual Risk	Specific rules based on the residual risk
Mold	HPMI	LJ Earnest	Lacerations Breathing Fumes Burns	Gloves Ventilation Mask	Mask Gloves Goggles Long Sleeves Pants	N/A	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
Layup	HPMI	Manning Owens	Lacerations Breathing Fumes Breathing Fibers Skin Inflammation Skin Irritation	Gloves Ventilation Mask	Mask Gloves Goggles Long Sleeves Pants	N/A	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
Vacuum Seal	HPMI	Tamara McCaskill	Equipment Failure	Equipment used by professional	Gloves Long Sleeves Pants	N/A	HAZARD: CONSEQ: Negligible	Plan Safety Controls Supervisor Authorization
							Residual: Low	
Curing	HPMI	Steven Harrington	N/A	Temperature	Gloves Long Sleeves Pants	N/A	HAZARD: CONSEQ: Negligible	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
Sanding	HPMI	Bryson Potts	Frictions Burns Lacerations Breathing Particles Particles in Eyes	Gloves Ventilation Mask Goggles	Mask Gloves Goggles Long Sleeves Pants	Put Scraps in Trash Bag Take Directly to Dump Site	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
Coating	HPMI	LJ Earnest	Breathing Fumes Eye Irritation Skin Irritation	Gloves Ventilation Mask Goggles Long Sleeves	Mask Gloves Goggles Long Sleeves Pants	N/A	HAZARD: CONSEQ: Negligible	Plan Safety Controls Supervisor Authorization
							Residual: Low	

Principal investigator(s)/ instructor PHA: I have reviewed and approved PHA worksheet.

Name	Signature	Date	Name	Signature	Date
_____	_____	_____	_____	_____	_____

Team members: I certify that I have reviewed the PHA worksheet, am aware of the hazards, and will ensure the control measures are followed.

Name	Signature	Date	Name	Signature	Date
Bryson Potts		3/31/2021	Steven Harrington		3/31/2021
LJ Earnest		3/31/2021	Tamara McCaskill		3/31/2021
Manning Owens		3/31/2021			


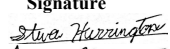
Project Hazard Assessment Worksheet					
PI/instructor: Dr. Dunlap	Phone#: 850-770-2204	Dept.: Mechanical Engineering	Start Date: 3/31/2021	Revision Number: 1	
Project: Wiring			Location(s): Room B309		
Team member(s): Bryson Potts, LJ Earnest, Manning Owens, Steven Harrington, Tamara McCaskill			Phone#: 850-326-2043	Email: abp19e@my.fsu.edu	

Experiment Steps	Location	Person Assigned	Identify hazards or potential failure points	Control method	PPE	List proper method of hazardous waste disposal, if any.	Residual Risk	Specific rules based on the residual risk
Connect Components	B309	Manning Owens	Lacerations Dropping Components	Gloves Grounding Steel Toe Shoes	Gloves Steel Toe Shoes Long Sleeves Pants	N/A	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
Connect Battery	B309	Tamara McCaskill	Electrocution Fire Acid Burns Breathing Fumes Dropping Battery	Gloves Grounding Steel Toe Shoes Ventilation Temp Control	Gloves Goggles Steel Toe Shoes Long Sleeves Pants	N/A	HAZARD: CONSEQ: Negligible	Plan Safety Controls Supervisor Authorization
							Residual: Low-Med	
Soldering	B309	Steven Harrington	Burns Fumes Electrocution	Gloves Goggles Ventilation	Gloves Goggles Long Sleeves Pants	N/A	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
							HAZARD: CONSEQ:	
							Residual:	
							HAZARD: CONSEQ:	
							Residual:	
							HAZARD: CONSEQ:	
							Residual:	

Principal investigator(s)/ instructor PHA: I have reviewed and approved PHA worksheet.

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Bryson Potts		3/31/2021	Steven Harrington		3/31/2021
LJ Earnest		3/31/2021	Tamara McCaskill		3/31/2021
Manning Owens		3/31/2021			


Project Hazard Assessment Worksheet					
PI/instructor: Dr. Dunlap	Phone#: 850-770-2204	Dept.: Mechanical Engine	Start Date: 3/31/2021	Revision Number: 1	
Project: Testing			Location(s): In-Water		
Team member(s): Bryson Potts, LJ Earnest, Manning Owens, Steven Harrington, Tamara McCaskill			Phone#: 850-326-2043	Email: abp19e@my.fsu.edu	

Experiment Steps	Location	Person Assigned	Identify hazards or potential failure points	Control method	PPE	List proper method of hazardous waste disposal, if any.	Residual Risk	Specific rules based on the residual risk
Final Product Testing	In-Water	Group Effort	Lacerations Collisions Getting Dragged	Approach Carefully Mark Sharp Areas	Close-Fitting Clothes Gloves	N/A	HAZARD: CONSEQ: Minor	Plan Safety Controls Buddy System Supervisor Authorization
							Residual: Low-Med	
							HAZARD: CONSEQ:	
							Residual:	
							HAZARD: CONSEQ:	
							Residual:	
							HAZARD: CONSEQ:	
							Residual:	
							HAZARD: CONSEQ:	
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LJ Earnest		3/31/2021	Tamara McCaskill		3/31/2021
Manning Owens		3/31/2021			


Project Hazard Assessment Worksheet					
PI/instructor: Dr. Dunlap	Phone#: 850-770-2204	Dept.: Mechanical Engineering	Start Date: 3/31/2021	Revision Number: 1	
Project: Transportation			Location(s): N/A		
Team member(s): Bryson Potts, LJ Earnest, Manning Owens, Steven Harrington, Tamara McCaskill			Phone#: 850-326-2043	Email: abp19e@my.fsu.edu	

Experiment Steps	Location	Person Assigned	Identify hazards or potential failure points	Control method	PPE	List proper method of hazardous waste disposal, if any.	Residual Risk	Specific rules based on the residual risk
Lifting	N/A	Group Effort	Wet Floors Loose Electrical Cables Heavy Objects Dropping Entanglement Lacerations Falling Bruising Broken Bones Back Pain Death	Proper Technique Steel Toe Shoes Slip-Resistant Shoes	Close-Fitting Clothes Steel Toe Shoes	N/A	HAZARD: CONSEQ: Moderate Residual: Med	Limit Number of Workers Buddy System PI Approved Project Hazard Control Copy Sent to Safety Committee
Carrying	N/A	Group Effort		Proper Technique Steel Toe Shoes Slip-Resistant Shoes	Close-Fitting Clothes Steel Toe Shoes	N/A	HAZARD: CONSEQ: Moderate Residual: Med	
Securing	N/A	Group Effort	Crushing Lacerations Entanglement	Steel Toe/Slip Resistant Shoes	Close-Fitting Clothes Steel Toe Shoes	N/A	HAZARD: CONSEQ: Moderate Residual: Med	Limit Number of Workers Buddy System PI Approved Project Hazard Control Copy Sent to Safety Committee
Vehicle Operation	N/A	Manning	Crushing Lacerations Fire Death	Licensed Observant	Seatbelt	N/A	HAZARD: CONSEQ: Moderate Residual: Low-Med	Plan Safety Controls Buddy System Supervisor Authorization
							HAZARD: CONSEQ: Residual:	
							HAZARD: CONSEQ: Residual:	

Principal investigator(s)/ instructor PHA: I have reviewed and approved PHA worksheet.

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Bryson Potts		3/31/2021	Steven Harrington		3/31/2021
LJ Earnest		3/31/2021	Tamara McCaskill		3/31/2021
Manning Owens		3/31/2021			

Project Hazard Control- For Projects with Medium and Higher Risks

Name of Project:		Date of submission:
Team member	Phone number	e-mail
<i>Bryson Potts</i>	850-326-2043	abp19e@my.fsu.edu
<i>LJ Earnest</i>	850-703-2455	jde19@my.fsu.edu
<i>Steven Harrington</i>	850-598-7820	smh19n@my.fsu.edu
<i>Tamara McCaskill</i>	850-815-8192	tkm19@my.fsu.edu
<i>Manning Owens</i>	334-596-6937	mwo19@my.fsu.edu
Faculty mentor	Phone number	e-mail
<i>Damion Dunlap</i>	850-770-2204	ddunlap@fsu.edu
<i>Patrick Walters</i>	NA	walters.patrick.s@gmail.com

Rewrite the project steps to include all safety measures taken for each step or combination of steps. Be specific (don't just state "be careful").

Wiring: ensure that no one electrocuted by being cautious of live and dead wires

Manufacturing: ensure that no one breathes in or touches chemical that could compromise one's health status

Testing: ensure that no one is in the way of the boat during its propulsion

Transportation: ensure that everyone is wearing protective shoes so that in the scenario of the boat dropping on ones' foot, there would be some coverage. Also make sure that everyone lifts with proper form

Thinking about the accidents that have occurred or that you have identified as a risk, describe emergency response procedures to use.

If an accident were to occur, our first step would be to identify if the accident was critical (to the student) or not. If not critical, we will evaluate if anything is messed up and go from there. If a team member is in critical condition we will contact 911 first, then contact Dr. Dunlap and catch him up to speed with what happened.

List emergency response contact information:

- Call 911 for injuries, fires or other emergency situations
- Call your department representative to report a facility concern

Name	Phone number	Faculty or other COE emergency contact	Phone number
<i>Bryson Potts</i>	850-326-2043	<i>Damion Dunlap</i>	850-770-2204
<i>LJ Earnest</i>	850-703-2455	<i>Damion Dunlap</i>	850-770-2204
<i>Steven Harrington</i>	850-598-7820	<i>Damion Dunlap</i>	850-770-2204
<i>Tamara McCaskill</i>	850-815-8192	<i>Damion Dunlap</i>	850-770-2204

<i>Manning Owens</i>	<i>334-596-6937</i>	<i>Damion Dunlap</i>	<i>850-770-2204</i>
Safety review signatures			
Team member	Date	Faculty mentor	Date

Report all accidents and near misses to the faculty mentor.