

	FAILURE MODE AND EFFECTS ANALYSIS					
Process Function	Potential Failure Mode	Potential Effect(s) of Failure	Severity (1-5)	Potential Cause(s)/ Mechanism (s) of Failure	Occurrence (1-5)	Current Process Controls
Unsealed airhole	Delayed heat source termination	Inaccurate data acquisition	2	Negligence	3	Human Caution
Insulation Installation	Fell off from Velcro	Damage Insulation/Fire Hazard	4	Weak Velcro	1	Replace with stronger means of attachment
Sensor Installation	Fell off on heat source	Damage Sensor	5	Weak Sensor Attachment	1	Replace with stronger means of attachment
Transportation	Physical Impact	Damage Wooden Frame	4	Negligence	2	Treat with care
Testing	Heat Source terminated prematurely	Inconclusive Data	1	Lack of ventilation	3	Drill more airhole