MANUMENT OF THE PROPERTY OF TH	Identification of Hazards and Risk Assessment	Obj		szer Overheating Risk Assessment sjectives: Create a product based on the risk assessment of hazards associated with the Dozer Overheating issue and analyze of nsiderations involved with this issue		
MAN TO THE PROPERTY OF THE PRO		PRI	E-MITIGATION	POST-MITIGATIO	N	
Processing			CONSIDERATIONS	MITIGATION(S), WARNINGS AND REMEDIES		Acce Yes/
Processing Content	Operator Experience	High		Work with a Dozer Boss.	Moderate	
Security of the control of the contr	Operator Experience	Moderate			Moderate	
Modername	Operator Experience		Has to have Dozer Boss or Tractor Plow to qualify as an IA Dozer operator.			
Procedure of the Control of the Co	Cooperative	Moderate		Put a FS employee with them and maintain communication with them.	Moderate	
General State Communication and Communication and Communication Communic	Contracting Operator	Moderate	·	Have Dozer Boss with them.	Moderate	
MACHINE Mac	Contacting Operator	High			Moderate	
MACHINE ***Common Machine **Common Machine **	Fatigue	High	make sure work load is balanced with consideration to work/rest regulations. Realize		Moderate	
MACHINE Doses from: Doses from:	Stress	High	Takes your attention away from what you are trying to do. Little bit of stress can	different conditions or situations. Try to use more experienced personal in	Moderate	
Service designed in the control of t	MACHINE			extente constituis.		
Contractions Extension 100 Contraction		Extremely High	the current setting it can affect how the dozer handles. This can affect how you	depending on if dozer is overheating. More extreme conditions use more	High	
Security (14) Fig. 1 Fig. 2 Fig. 2 Fig. 1 Fig. 1 Fig. 2 Fig. 3 Fig. 3 Fig. 2 Fig. 2 Fig. 3 Fig. 4		High		Magnetic antenna, Use a power mike, head sets, human repeater, cell phones	Moderate	
Extractly High Post factors of the Control of High Post factors of High		Extremely High	environmental factors like ambient temp., confidence in the		High	
Personal found prompts High Commission of the C		Extremely High			High	
Extremely High Commission and commission of the	Potential loss of life	Extremely High	direct/indirect, Tandem/leap frog, Consider safety zones, don't	Tandem, leap frog, Change tactics, safety zones (roads, carry the black with you)	High	
Performance	Potential loss of property	High	Operator experience with overheating, Change tactics – direct/indirect, Tandem/leap frog, Consider safety zones, don't	Tandem, leap frog, Change tactics, safety zones (roads, carry the black with you)	Moderate	
Part Internal Physics		High	Past history of overheating, maintenance record, prior operator		High	
## Wooderstee Settlemely High Wooderstee Settlemely High	2009 – Current		Past history of overheating, maintenance record, prior operator	Tandem, use back up resources, share knowledge about dozer, situation		
Security of the common	Ambient	, and the second	Weather, time of use, Operator experience with overheating, Change tactics – direct/indirect, Tandem/leap frog, Consider safety zones, don't send overheating dozer on a detail. Trigger points is when tem is going to be when temps are going above 70 to 80 degrees, when you have to tum off a/c and tum on heater,	Tandem, use back up resources, share knowledge about dozer, situation		
Note the control of t	Cab	Moderate	Blind spots, Brush sweeps (awing), experience level of operator, carry an chainsaw when snagging	Use operators with more seat time, refuse assignment, reinforce sweep	Low	
MEDIA Operational Informations Turnin Extremely High Experience or an Operator in different termin, Fuel types Figure - Dot Office Statement		High	cleaning, walk around to learn about dozer, How does what we	Proper training on maintenance, check the dozer daily	Moderate	
MEDIA Operational Entermorphy High Fragme-Trans (Author) From Trans (Author) Fragme-Trans (Author) Fragme-Tra		High		Safecomm, safety alert, Risk assessment	Moderate	
Extremely High Experience as an Operator in different forman, Fuest types Engine - Dust doors High Corn concernment and and check doors on how doors of the service of the same of the						
Extremely High Temporature Te	•	Extremely High	Experience as an Operator in different terrain. Fuel types		Moderate	
So Type High Go Type High		, ,	Open compartments and check dozer on how clean or built up of debris or dust,			
Sectionally High Extremely Hi	Fuel Type/Fuel Loading	Extremely High		Change tactics, Order more resources, work in tandem/leaf frog	High	
Street did - Stree	Soil Type	High			Moderate	
Temperature Temper		Extremely High	Operator experience, local knowledge	Use local knowledge, work with a swamper, testing (easing) with the blade	High	
Temperature Temper		Extremely High			High	
Temperature Tingger points is when temperature below? The observation of a Card for on heater, open windows to try and keep dozer from overheating. Temperature T		Extremely High	TEMPERATURES ARE HIGH WHY ARE WE USING THOSE DOZERS? TRIGGER POINTS IS WHEN TEMPERATURE BELOW 70 — MODERATE, 70 TO 80 HIGH, ABOVE 80 EXTREMELY HIGH TRIGGER POINT WHEN YOU HAVE TO TURN OFF A/C AND TURN ON HEATER, OPEN		Low	
Temperature Temper		Extremely High	high why are we using those dozers? Trigger points is when temperature below 70 – moderate, 70 to 80 high, Above 80 extremely high Trigger point when you have to turn off a/c and turn on heater, open windows to try and	Tandem, use back up resources, share knowledge about dozer, situation awareness, experience level of operator, accept or reject	Moderate	
Project Work(trail maintenance, clearing hazard trees, erosion work, part trees, erosion work, part to degree the part trees, erosion work, part to degree the part trees, erosion work, part to degree get 80 degrees ### High What has been ordered has not been what has been sent, Trying to use equipment purchasing ### Disconnect with all levels on problem with dozer overheating ### Extremely High There are many different conditions that we run dozers in so standardize ordering ### Regional ### Experience level of operator, Use different factics depending on what kind of conditions on what kind of points, training ### Moderate ### Moderate ### Moderate ### Moderate ### Moderate ### Moderate ### Use local knowledge, briefing, SOPs, training ### Use local knowledge, briefing, SOPs, training ### Low ### Low ### Communication, Equipment Operators need to be involved in ordering, standardization, Equipment lease ### Low ### Disconnect with all levels on problem with dozer overheating ### ### There are many different conditions that we run dozers in so standardize ordering ### Communication, Safenets #### High #### There are many different conditions that we run dozers in so standardize ordering #### Communication Equipment Operators need to be involved in ordering. ##### High #### #### High #### #### There are many different conditions that we run dozers in so standardize ordering ##### Communication, Safenets ####### High ###################################		Extremely High	When temperatures are high why are we using those dozers? Trigger points is when temperature below 70 – moderate, 70 to 8(high, Above 80 extremely high or another Trigger point when you have to turn off a/c and turn on heater, open windows to try and	O Tandem, use back up resources, share knowledge about dozer, situation awareness,	High	
Fire Line Construction High Experience level of operator , Use different tactics depending on what kind of conditions are occurring, Follow SOPs Project Work(trail maintenance, cleaning/clearing for timber markers, clearing hazard frees, evolution work, oracles, ponds) when temperature are get 80 degrees MANAGEMENT & PROCEDURES Equipment purchasing High What has been ordered has not been what has been sent, Trying to use equipment purchasing Low Disconnect with all levels on problem with dozer overheating with dozer overheating Extremely High There are many different conditions that we run dozers in so standardize ordering Communication, Fouriers need to be involved in ordering, and there has been no one steeping up to deal with this, Overheating has been going on so long operators are making do with what they have Communication, Equipment Operators need to be involved in ordering, and there has been no one steeping up to deal with this, Overheating has been going on so long operators are making do with what they have Regional Extremely High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved in ordering. High Communication, Safenets High Communication, Safenets High Communication, Equipment Operators need to be involved into ordering. High Communication, Equipment Operators need to be involved into ordering. Extremely High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved into ordering. High Communication, Equipment Operators need to be involved into ordering. Extremely High There are many different conditions that we run dozers in so standardize ordering						
Clearing/clearing for timber markers, clearing/clearing for timber markers, clearing hazard trees, erosion work, roads, ponds) when temperature are get 80 degrees MANAGEMENT & PROCEDURES Equipment purchasing High What has been ordered has not been what has been sent, Trying to use equipment that does not fit the job that is needed on the ground level Disconnect with all levels on problem with dozer overheating Extremely High This issue has been happening since early 2000s and there has been no one stepping up to deal with this, Overheating has been going on so long operators are making do with what they have There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved in ordering, and there has been no one stepping up to deal with this, Overheating has been going on so long operators are making do with what they have High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved into ordering. High High There are many different conditions that we run dozers in so standardize ordering Communication Equipment Operators need to be involved into ordering. High	Fire Line Construction	High			Moderate	
MANAGEMENT & PROCEDURES Equipment purchasing High What has been ordered has not been what has been sent, Trying to use equipment that does not fit the job that is needed on the ground level Disconnect with all levels on problem with dozer overheating Extremely High This issue has been happening since early 2000s and there has been no one stepping up to deal with this, Overheating has been going on so long operators are making do with what they have Regional Extremely High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved in ordering, LOW High High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved into ordering. High	cleaning/clearing for timber markers, clearing hazard trees, erosion work, roads, ponds) when temperature are	High	Ordinary it is low to moderate depending on the project work, local knowledge	Use local knowledge, briefing, SOPs, training	Low	
Equipment purchasing High What has been ordered has not been what has been sent, Trying to use equipment that does not fit the job that is needed on the ground level Disconnect with all levels on problem with dozer overheating Extremely High This issue has been happening since early 2000s and there has been no one stepping up to deal with this, Overheating has been going on so long operators are making do with what they have There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved in ordering, LOW High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved into ordering. High	MANAGEMENT &					
levels on problem with dozer overheating Regional Extremely High Stepping up to deal with this, Overheating has been going on so long operators are making do with what they have Communication, Safenets High There are many different conditions that we run dozers in so standardize ordering Communication, Equipment Operators need to be involved into ordering.	Equipment	High			Low	
	levels on problem	Extremely High	stepping up to deal with this, Overheating has been going on so long operators are	Communication, Safenets	High	
might double determined a programme determined and a set before a set	Regional Specs	Extremely High	There are many different conditions that we run dozers in so standardize ordering might cause safety issues, Operators needs are not being considered into standards	Communication, Equipment Operators need to be involved into orderina	High	

Severity/Consequences