1997 Human Factors Information System Report for Plant Docket 382

Combined IR/ER/LER Report Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range: 191 From 01/01/1997 to 12/31/1997 2x National Average: 213 Department Details Work Type Docket/Report Communications IR Number of items: 2 Percent of total: 1.05 54-No communication W-Work Control / Sc M-Maint / Repair 50-382/1997011 W-Work Control / Sc Z-Other 53-Communication LT O-Operations 50-382/1997017 0-Operations Communications ER Number of items: 0 Percent of total: 0 Communications LER Number of items: 1 Percent of total: .52 53-Communication LT O-Operations O-Control Room Ops 50-382/199702200 Human-System Interface and Environm IR Number of items: 0 Percent of total: 0 Human-System Interface and Environm ER Number of items: 0 Percent of total: 0 Human-System Interface and Environm LER Number of items: 4 Percent of total: 2.09 62-Information orga O-Operations R-Refueling 50-382/199701800 75-Work area LTA 0-Operations 50-382/199701800 R-Refueling O-Control Room Ops 50-382/199702701 68-Too much informa O-Operations 63-Size, shape or c O-Operations O-Control Room Ops 50-382/199702701 Management and Supervision IR Number of items: 11 Percent of total: 5.76 43-Operating Experi O-Operations U-Unknown 50-382/1996023 G-Design 44-Corrective Actio G-Engineering 50-382/1997002 33-Management expec G-Engineering G-Design 50-382/1997002 32-Supervision / co M-Mechanical M-Maint / Repair 50-382/1997004 32-Supervision / co M-Mechanical M-Maint / Repair 50-382/1997005 32-Supervision / co O-Operations Z-Other 50-382/1997017 G-Design 40-Individual Corre G-Engineering 50-382/1997021 44-Corrective Actio G-Engineering Z-Other 50-382/1997021 44-Corrective Actio G-Engineering Z-Other 50-382/1997021 40-Individual Corre G-Engineering Z-Other 50-382/1997021 40-Individual Corre G-Engineering Z-Other 50-382/1997021 Management and Supervision ER Number of items: 0 Percent of total: 0 Management and Supervision LER Number of items: 6 Percent of total: 3.14 32-Supervision / co G-Engineering T-Testing 50-382/199701000 Page: 1 Date:08/05/1998 Combined IR/ER/LER Report Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range: 191 From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Type Docket/Report

Management and Supervision LER Number of items: 6 Percent of Total: 3.14		
36-Scheduling and p G-Engineering 32-Supervision / co U-Unknown 36-Scheduling and p U-Unknown 34-Perceived pressu O-Operations 36-Scheduling and p O-Operations	T-Testing T-Testing T-Testing O-Control Room Ops O-Control Room Ops	50-382/199701000 50-382/199701000 50-382/199701000 50-382/199702701 50-382/199702701
Organizational Issues IR Number of items: 3		
Percent of total: 1.57 27-Excessive hours O-Operations 26-OT controls / sc O-Operations 27-Excessive hours M-Mechanical	O-Control Room Ops O-Control Room Ops M-Maint / Repair	50-382/1997004 50-382/1997004 50-382/1997004
Organizational Issues ER Number of items: 0 Percent of total: 0		
Organizational Issues LER Number of items: 1 Percent of total: .52		
22-Poor Task Alloca O-Operations	O-Control Room Ops	50-382/199702701
Procedures and Reference Document IR Number of items: 30 Percent of total: 15.71		
12-Procedure techni G-Engineering 12-Procedure techni I-Instrumentation &	G-Design	50-382/1199701 50-382/1996014
12-Procedure techni I-Instrumentation &		50-382/1996014
14-Document develop G-Engineering 12-Procedure techni G-Engineering	U-Unknown G-Design	50-382/1996014 50-382/1997001
12-Procedure techni G-Engineering	G-Design	50-382/1997002
14-Document develop M-Mechanical 12-Procedure techni M-Mechanical	U-Unknown U-Unknown	50-382/1997003 50-382/1997003
12-Procedure techni M-Mechanical	M-Maint / Repair	50-382/1997005
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997008 50-382/1997008
11-No procedure / r G-Engineering	G-Design	50-382/1997008
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997008 50-382/1997008
12-Procedure techni G-Engineering	G-Design	50-382/1997011
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997014 50-382/1997014
12-Procedure techni G-Engineering	G-Design	50-382/1997014
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997014 50-382/1997014
13-Procedure has hu G-Engineering	G-Design	50-382/1997014
13-Procedure has hu G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997016 50-382/1997017
12-Procedure techni G-Engineering	G-Design	50-382/1997021
12-Procedure techni G-Engineering Page: 2 Date:08/05/199	G-Design 98	50-382/1997021
Combined IR/ER/LER Report Docket: 50-382 WATERFORD 3		
Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213	2: 191	
Details Department	Work Type	Docket/Report
Procedures and Reference Document IR Number of items: 30 Percent of Total: 15.71		
11-No procedure / r G-Engineering	F-Modification	50-382/1997021
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997021 50-382/1997021
12-Procedure techni G-Engineering 12-Procedure techni G-Engineering	G-Design G-Design	50-382/1997021 50-382/1997022
Procedures and Reference Document ER		
Number of items: 0 Percent of total: 0		
Procedures and Reference Document LER Number of items: 16		
Percent of total: 8.38	T-Testing	50-383/10070000
12-Procedure techni I-Instrumentation &	r I-ICOCTIIA	50-382/199700900

Human Factors Information System	Report	
13-Procedure has hu G-Engineering	T-Testing	50-382/199701000
13-Procedure has hu U-Unknown	T-Testing	50-382/199701000
13-Procedure has hu O-Operations	M-Maint / Repair	50-382/199701200
13-Procedure has hu O-Operations	O-Control Room Ops	50-382/199701200
13-Procedure has hu O-Operations	A-Administrative	50-382/199701300
13-Procedure has hu O-Operations	T-Testing	50-382/199701300
13-Procedure has hu O-Operations	R-Refueling	50-382/199701800
13-Procedure has hu O-Operations 13-Procedure has hu G-Engineering	O-Control Room Ops T-Testing	50-382/199702100 50-382/199702300
13-Procedure has hu O-Operations	0-Control Room Ops	50-382/199702300
13-Procedure has hu 0-Operations	O-Control Room Ops	50-382/199702701
13-Procedure has hu 0-Operations	O-Control Room Ops	50-382/199702701
12-Procedure techni 0-Operations	O-Control Room Ops	50-382/199702701
13-Procedure has hu G-Engineering	G-Design	50-382/199703300
11-No procedure / r G-Engineering	T-Testing	50-382/199703400
Training IR		
Number of items: 8		
Percent of total: 4.19		
02-Training LTA T-Training	O-Control Room Ops	50-382/1997001
02-Training LTA T-Training	R-Refueling	50-382/1997008
05-Individual knowl O-Operations	O-Control Room Ops	50-382/1997008
05-Individual knowl O-Operations	O-Control Room Ops	50-382/1997008
02-Training LTA T-Training	M-Maint / Repair	50-382/1997016
03-Training process T-Training	Q-Fire Protection	50-382/1997021
05-Individual knowl G-Engineering	G-Design M-Maint / Repair	50-382/1997021 50-382/1997021
02-Training LTA T-Training	M-Maine / Kepair	JU-JUZ/199/UZI
Training ER		
Number of items: 0		
Percent of total: 0		
Training LER Number of items: 1		
Percent of total: .52		
02-Training LTA 0-Operations	R-Refueling	50-382/199701800
5 1	5	
Work Factors IR		
Number of items: 95		
Percent of total: 49.74		
Page: 3 Date:08/05/199	8	
Combined IR/ER/LER Report		
Combined IR/ER/LER Report Docket: 50-382 WATERFORD 3		
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range	:: 191	
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997	: 191	
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range	:: 191	
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997	: 191 Work Type	Docket/Report
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department		Docket/Report
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR		Docket/Report
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95		Docket/Report
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74	Work Type	Docket/Report 50-382/1199701
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74		-
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design	50-382/1199701
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design	50-382/1199701 50-382/1199701
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering	Work Type G-Design G-Design G-Other 5 Q-Fire Protection U-Unknown	50-382/1199701 50-382/1199701 0-382/1199701 50-382/1199701 50-382/1996014
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical	Work Type G-Design G-Design G-Other 5 Q-Fire Protection U-Unknown U-Unknown	50-382/1199701 50-382/1199701 0-382/1199701 50-382/1199701 50-382/1996014 50-382/1996014
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical	Work Type G-Design G-Design Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown	50-382/1199701 50-382/1199701 0-382/1199701 50-382/1199701 50-382/1996014 50-382/1996014 50-382/1996014
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical	Work Type G-Design G-Design G-Design G-Dher 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996023
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 94-Log-keeping or r O-Operations	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996023 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 81-Work Package Qua G-Engineering 94-Log-keeping or r O-Operations 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996013 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown G-Design G-Design	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other 2 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 84-Nork Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 0-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996023 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other 2 83-Work practice or G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 91-Verification / p G-Engineering 94-Log-keeping or r O-Operations 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 84-Nork Package Qua G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 3-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering 8	Work Type G-Design G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 87-Non-conservati Z-Other Z 83-Work practice or G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Engineering	Work Type G-Design G-Design -Other 5 Q-Fire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Deprations 83-Work practice or G-Operations 83-Work practice or G-Operations	Work Type G-Design G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-De	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 84-Non-conserv. dec G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineeri	Work Type G-Design G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-De	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997002 50-382/1997002 50-382/1997002
Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range From 01/01/1997 to 12/31/1997 2x National Average: 213 Details Department Work Factors IR Number of items: 95 Percent of Total: 49.74 86-Work untimely G-Engineering 81-Work Package Qua G-Engineering 81-Work Package Qua G-Engineering 84-Non-conservati Z-Other Z 83-Work practice or G-Engineering 81-Work Package Qua M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 83-Work practice or M-Mechanical 92-Self check LTA I-Instrumentation & 91-Verification / p G-Engineering 81-Work Package Qua G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Engineering 83-Work practice or G-Deprations 83-Work practice or G-Operations 83-Work practice or G-Operations	Work Type G-Design G-Design G-Design G-Design G-Dire Protection U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown U-Unknown O-Control Room Ops G-Design G-De	50-382/1199701 50-382/1199701 50-382/1199701 50-382/199701 50-382/199701 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1996014 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001 50-382/1997001

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91-Verification / p	O-OA/OC	M-Maint / Repair	50-382/1997002
83-Work practice or		H-Health Physics	50-382/1997002
83-Work practice or	-	H-Health Physics	50-382/1997002
-	-	-	
87-Non-conservati O	-)-382/1997003
83-Work practice or	-	O-Control Room Ops	50-382/1997004
93-Awareness or att		S-Surveillance	50-382/1997004
93-Awareness or att	G-Engineering	S-Surveillance	50-382/1997004
91-Verification / p	0-Operations	S-Surveillance	50-382/1997004
84-Non-conserv. dec	M-Mechanical	M-Maint / Repair	50-382/1997004
81-Work Package Qua		G-Design	50-382/1997004
81-Work Package Qua		G-Design	50-382/1997004
83-Work practice or	5 5	M-Maint / Repair	50-382/1997005
83-Work practice or		M-Maint / Repair	50-382/1997005
83-Work practice or		M-Maint / Repair	50-382/1997005
-		F-Modification	50-382/1997005
93-Awareness or att			
93-Awareness or att		F-Modification	50-382/1997005
83-Work practice or		M-Maint / Repair	50-382/1997007
92-Self check LTA	F-Fuel Handling	R-Refueling	50-382/1997008
91-Verification / p		R-Refueling	50-382/1997008
83-Work practice or		R-Refueling	50-382/1997008
93-Awareness or att		O-Control Room Ops	50-382/1997008
93-Awareness or att	0-Operations	O-Control Room Ops	50-382/1997008
Page: 4	Date:08/05/199	3	
Combined :	IR/ER/LER Report		
Docket: 50	0-382 WATERFORD 3		
Total Number of	f Hits in Date Range	: 191	
	7 to 12/31/1997		
2x National Ave			
	-		
Details	Department	Work Type	Docket/Report
	-		-
Work Factors IR			
Number of items: 95	5		
Percent of Total: 49	9.74		
93-Awareness or att		O-Control Room Ops	50-382/1997008
93-Awareness or att		O-Control Room Ops	50-382/1997008
81-Work Package Qua		F-Modification	50-382/1997008
81-Work Package Qua		F-Modification	50-382/1997008
-			
81-Work Package Qua		G-Design	50-382/1997008
83-Work practice or		H-Health Physics	50-382/1997008
83-Work practice or		H-Health Physics	50-382/1997008
83-Work practice or		H-Health Physics	50-382/1997008
83-Work practice or		H-Health Physics	50-382/1997008
92-Self check LTA	W-Work Control / Sc	· •	50-382/1997011
	W-Work Control / Sc		50-382/1997011
84-Non-conserv. dec		O-Control Room Ops	50-382/1997011
93-Awareness or att		O-Control Room Ops	50-382/1997011
88-Tag outs LTA	W-Work Control / Sc	M-Maint / Repair	50-382/1997011
83-Work practice or	M-Mechanical	M-Maint / Repair	50-382/1997011
84-Non-conserv. dec		M-Maint / Repair	50-382/1997011
81-Work Package Qua		F-Modification	50-382/1997011
82-Briefing, prep.	I-Instrumentation &		50-382/1997011
	A-Administrative Su		50-382/1997011
86-Work untimely	G-Engineering	V-Troubleshooting	50-382/1997012
81-Work Package Qua		G-Design	50-382/1997013
81-Work Package Qua	5	G-Design	50-382/1997013
	A-Administrative Su		50-382/1997013
86-Work untimely	G-Engineering	G-Design C Design	50-382/1997015
81-Work Package Qua		G-Design	50-382/1997015
87-Non-conservati Z)-382/1997015
83-Work practice or		Q-Fire Protection	50-382/1997015
83-Work practice or		A-Administrative	50-382/1997016
83-Work practice or		A-Administrative	50-382/1997016
83-Work practice or		A-Administrative	50-382/1997016
83-Work practice or		A-Administrative	50-382/1997016
83-Work practice or	G-Engineering	A-Administrative	50-382/1997016
84-Non-conserv. dec	G-Engineering	A-Administrative	50-382/1997016
81-Work Package Qua		G-Design	50-382/1997016
83-Work practice or		M-Maint / Repair	50-382/1997016
	W-Work Control / Sc		50-382/1997016
83-Work practice or		G-Design	50-382/1997021
	A-Administrative Su		50-382/1997021
83-Work practice or		G-Design	50-382/1997021
93-Awareness or att		M-Maint / Repair	50-382/1997021
83-Work practice or			50-382/1997021
93-Awareness or att		K-Housekeeping M-Maint / Repair	50-382/1997022
83-Work practice or		G-Design C Design	50-382/1997022
83-Work practice or	G-Engineering	G-Design	50-382/1997022
82-Briefing, prep.		D-Emergency Drill	50-382/1997022

Work Factors ER Number of items: Percent of total:	-			
Work Factors LER Number of items: Percent of total: 87-Non-conservati Page: 5	6.81 G-Engineering	T-Testing 998	50-382/199701000	
Combined IR/ER/LER Report Docket: 50-382 WATERFORD 3 Total Number of Hits in Date Range: 191 From 01/01/1997 to 12/31/1997 2x National Average: 213				
Details	Department	Work Type	Docket/Report	
Work Factors LER Number of items: Percent of Total:				
87-Non-conservati		T-Testing	50-382/199701000	
87-Non-conservati	0-Operations	M-Maint / Repair	50-382/199701200	
87-Non-conservati		O-Control Room Ops	50-382/199701200	
87-Non-conservati		R-Refueling	50-382/199701800	
87-Non-conservati	0-Operations	O-Control Room Ops	50-382/199702200	
87-Non-conservati	G-Engineering	T-Testing	50-382/199702300	
87-Non-conservati	0-Operations	O-Control Room Ops	50-382/199702701	
87-Non-conservati		O-Control Room Ops	50-382/199702701	
93-Awareness or at	-	O-Control Room Op		
83-Work practice of	-	O-Control Room Op		
93-Awareness or at	-	O-Control Room Op		
87-Non-conservati	5 5	T-Testing	50-382/199703400	
Page: 6	Date:08/05/1	998		

[End of File for Plant Docket 382 (1997)]