From:	"Lynne Saul" < Isaul@scientech.com:
То:	"Felicia Hinson" <fml@nrc.gov></fml@nrc.gov>
Date:	4/18/05 1:18PM
Subject:	Millstone 3

Tom/Felicia,

I spoke with Tom Bowlen at Millstone this morning (we had a previously scheduled test for Millstone 2 today). I asked him if his ERDS connection had a problem yesterday. He said yes - it apparently did. That one of their people had to go to the Unit 3 computer room and stop and restart the ERDS connection in order to get it to work. After talking with Tom Bowlen, I logged onto the NRC ERDS and took screen shots of the ERDS log from yesterday's event. I copied them into a document and added some commentary about what happened at various times. That document is attached to this email in case you are interested in reviewing it.

Lynne Lynne Saul SCIENTECH Program Manager 200 S. Woodruff Idaho Falls, ID 83401 Phone: 208-524-9371 Fax: 208-524-9282

CC:

"Tom Kardaras (Tkardaras)" <TXK1@nrc.gov>

Ś

Max Schneider - ERDS Log from Millstone 3 Event.doc

Page 1

te Lat Ven Diginy Tel Di Tel Tel Di Ci			- * 41 			<u>نه وا ال</u> ته :		<u> </u>						للعرب
						Syste	m (Alar	m (Si	ummary 🔅	STREET	12:5	Comp L:51 By ALS	4/18/	/200
											Page	520	of	56
											Prev Pa)• I	Next P	age
09:23:21 1	TORSL2	- LINE	2 PC	DRT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
09:23:16 1	DRSL2	- LINE	2 PC	DRT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
09:23:11 B	DRSL2	- LINE	2 PC	RT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
09:23:04 B	DRSL2	- LINE	2 PC	ORT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
09:22:59 1	DRSL2	- LINE	2 PC	DRT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
09:22:53	DRSL2	- LINE	2 PC	DRT 1	- TR	ANSM	ISSION	NOT	TERMINATED					
09:22:48	DRSL2	- LINE	2 PC	DRT 1	- TR	ANSM	SSION	NOT	TERMINATED					
09:22: 4 1 B	DRSL2	- LINE	2 PC)RT 1	- TR	NSMI	SSION	NOT	TERMINATED					
09:22:36 1	DRSL2	- LINE	2 PC	RT 1	- TR	ANSMO	SSION	NOT	TERMINATED					
09:22:30 1	DRSL2	- LINE	2 PC	ORT 1	- TR	ansm	SSION	NOT	TERMINATED					
09:22:25 1	DRSL2	- LINE	2 PC	RT 1	- TR	ANSMI	SSION	NOT	TERMINATED					
*** THE T	TIME IS	09:00	:08	TH	e dat	E IS	04/1	7/05	***					
*** THE 7	TIME IS	08:00	:08	TH	e dat	E IS	04/1	7/05	***					
*** THE 7	NIME IS	07:00	:08	TH	e dati	E IS	04/1	7/05	***					
*** THE 7	NIME IS	06:00	:08	TH	e dati	E IS	04/1	7/05	***					
*** THE 7	TIME IS	05:00	:08	TR	e dati	E IS	04/1		***					
*** THE 7	NIME IS	04:00	:08	TH	e dati	E IS	04/1		***					
THE T	TIME IS	03:00	:08	TH	e dati	E IS	04/1	7/05	***					
*** THE T	TIME IS	02:00	:08	TH	e dati	E IS	04/1	7/05	***					
*** THE T	IME IS	01:00	:08	TH	e dati	E IS	04/1	7/05	***					

Figure 1

At 9:22 AM EDT, ERDS detected activity on line 2 but the data being received was not any pattern recognizable to ERDS. Prior to 9:22 AM the log shows the regular message ERDS outputs once an hour to indicate things are OK.

Copy of ERDS Log from Millstone 3 Event, 4/17/05

. .

A BIDIDIS' PASHA	an titl a called the second	
	System Alarm Summary	ERDS Computer 12:52:34 4/18/2009 Display ALSYSA
		Page 1 of 56
		Prev Page Next Page
9:25:10 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:25:04 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:57 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:51 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:46 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:41 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:33 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:28 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:22 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:16 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:11 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:24:05 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:59 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:54 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:49 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:43 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:41 FDRSL2 - INVAL	ID LINK REQUEST MESSAGE FROM SITE WO	
9:23:38 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	
9:23:32 FDRSL2 - LINE		
9:23:27 FDRSL2 - LINE	2 PORT 1 - TRANSMISSION NOT TERMINATED	

This problem continued until 9:24:40 (see Figure 3). There was something that ERDS thought looked similar to a link request message but it was invalid and had an invalid site ID.

. •

K N OI CIGIDIDIPI - MISYA					Sec. 17, 315		
	1.	Syste	m Alam Si	mmary			omputer 06 4/18/2005 ALSYSA
						Page 2	of 56
						Prev Page	Next Page
12:02:59 FDRSL1 -	INVALID LINK	REQUEST MES	SAGE FROM S	ITE MS3	FEEDER	1	
12:02:59 FDRSL1 -	SITE MS3	LINK RECONN	ECT DENIED	ON LINE	1		
12:02:48 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATI	2D		
*** THE TIME IS	12:00:08	THE DATE IS	04/17/05	***			
11:49:16 LOGIN SUC	CESSFUL BY U	SER: rst					
11:45:34 LOGIN SUC	CESSFUL BY U	SER: REG1					
11:41:57 LOGIN SUC	CESSFUL BY U	SER: REGI					
11:41:39 LOGIN FAI	LED FOR USER	: REF1					
11:13:17 LOGIN SUC	CESSFUL BY U	SER: REG1					
11:13:06 LOGIN FAI	LED FOR USER	: regl					
*** THE TIME IS	11:00:08	THE DATE IS	04/17/05	***			
10:33:49 LOGIN SUC	CESSFUL BY U	SER: REG1					
10:14:43 LOGIN SUC	CESSFUL BY U	SER: REG1					
*** THE TIME IS	10:00:08	THE DATE IS	04/17/05	***			
09:25:40 FDRSL2 -	INVALID LINK	REQUEST MES	SAGE FROM S	ITE {{	FEEDER	1	
09:25:37 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATE	Ð		
09:25:32 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATE	Ð		
09:25:26 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATE	Ð		
09:25:20 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATE	Ð		
09:25:15 FDRSL2 -	LINE 2 PORT	1 - TRANSM	ISSION NOT	TERMINATE	Ð		

Engle 2 / Diese Hourd | Distantor the fillement for " Distant Con" | Distant 2 Henry Const | Distant Con | Distant

At 9:25:40 AM EDT ERDS detects another invalid link request message. After that there is no more activity on the line until 12:02:48 PM EDT and it is more garbage data. At 12:02:59 PM EDT, ERDS receives a RECONNECT request from Millstone 3 which is denied. You will notice that the activity has shifted from Line 2 to Line 1. This indicates that the plant has dialed into ERDS again. The ERDS plant number is on a rotary and each successive call is routed to the next line in the rotary.

At 10:14:43, Region I logged in. They couldn't see Millstone 3 because Millstone 3 had not successfully connected at that time. Millstone 3 didn't actually get connected until 12:03:34 PM EDT (see Figure 4).

Max Schneider - ERDS Log from Millstone 3 Event.doc

...

······································		1910		ا منابع می				¥ 51; 147, 121	tarre, pist			453353 d.	
		The second secon	in Carl				And		1 1 1	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.			
		, p			vsten	Alarm (Si	Immar			ERDS	Comput	er /18/200	15
		<u>تم</u>	He - 1.4. HE - 144								Y ALSY		
										Page	2	of 56	
											havenue		
										Prev Pag		lext Page	l
19:36:48	erdsba -	DATA AR	CHIVE FO	R SITE	MS3	COMPLETE	Ð						
19:24:35	RAWBAC -	DATA AR	CHIVE FO	R SITE	MS3	COMPLETE	D						
19:23:31	RAWBAC -	DATA AR	CHIVE FO	R SITE	MS3	INITIATE	D						
19:23:27	ERDSBA -	DATA AR	CHIVE FO	R SITE	MS3	INITIATE	D						
19:23:27	FDRXEC -	SITE MS	3 LI	NK TER	IINA	TED ON LIN	IE 1						
*** THE	TIME IS	19:00:0	8 T H	e date	IS	04/17/05	***						
18:08:17	LOGIN SUC	CESSFUL	BY USER	: REG1									
*** THE !	TIME IS	18:00:0	8 T H	E DATE	IS	04/17/05	***						
*** THE	TIME IS	17:00:0	8 T H	e date	IS	04/17/05	***						
*** THE	TIME IS	16:00:0	8 T H	E DATE	IS	04/17/05	***						
15:44:56	PASSWORD	CHIANGED	ON ACCO	UNT: N	Ľ								
15:42:48	USER NY		LO	GGED II	N WI	TH GRACE I	OGIN						
*** THE !	TIME IS	15:00:0	8 T H	e date	IS	04/17/05	***						
14:33:05	LOGIN SUC	CESSFUL	BY USER	: rst									
*** THE	TIME IS	14:00:0	8 TH	e date	IS	04/17/05	***						
*** THE	TIME IS	13:00:0	8 TH	e date	IS	04/17/05	***						
12:39:37	USER NY		IO	GGED II	N WIG	TH GRACE I	OGIN						
12:16:08													
12:03:34	FDRXEC -	SITE MS	3 LI	NK ACCI	PTE	ON LINE	1						

Figure 4

You can see that Millstone 3 got on line with ERDS at 12:03:34 PM EDT because the log contains a link accepted message. That indicates that the plant is on line.

When Region I logged in again at 12:16:08 PM EDT, Millstone 3 was on line and they were able to see them.