

From: "Lynne Saul" <lsaul@scientech.com>
To: "Felicia Hinson" <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>

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

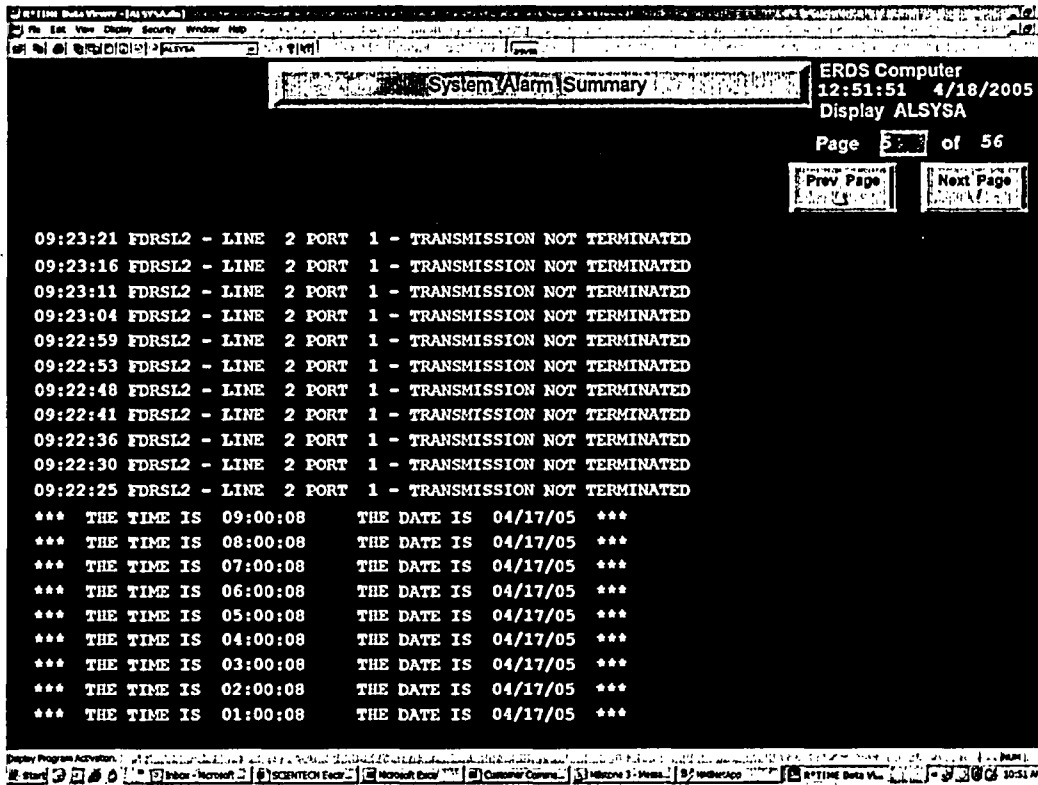


Figure 1

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.

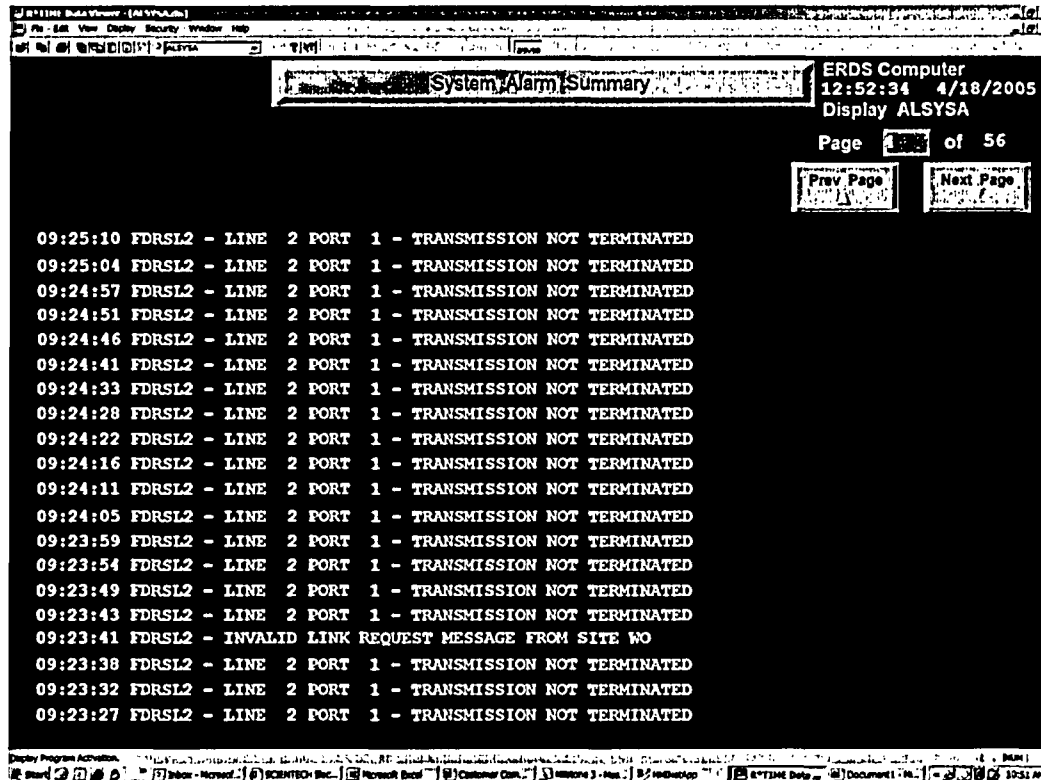


Figure 2

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.



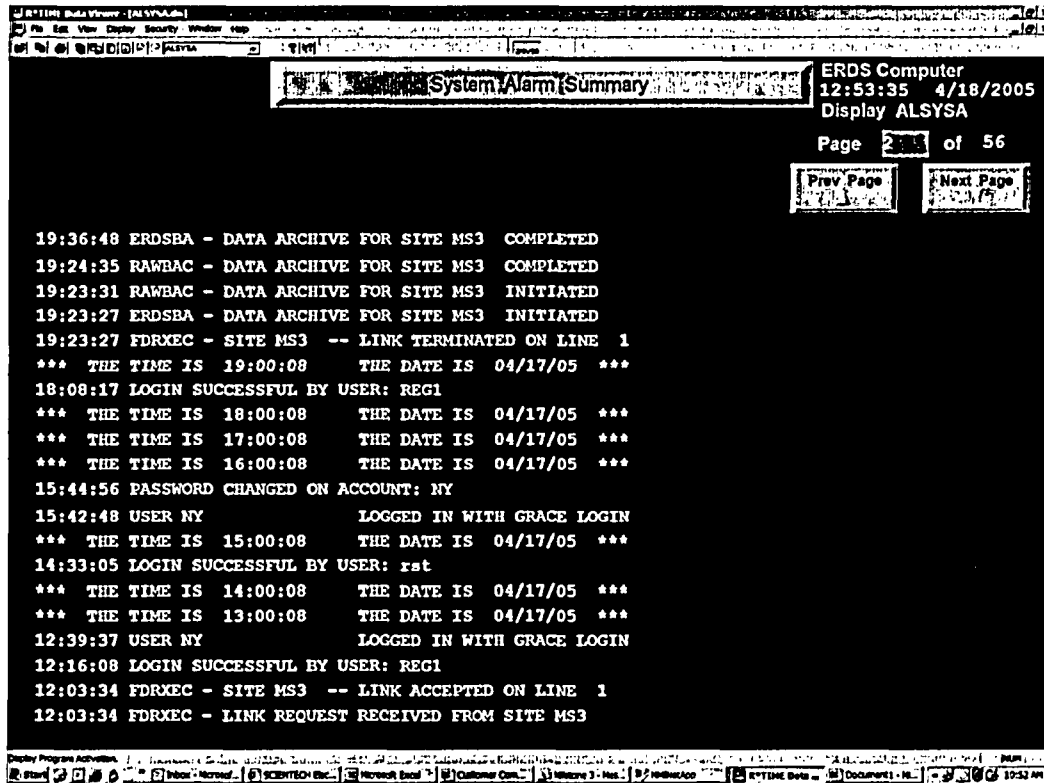
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ERDS Computer
12:53:06 4/18/2005
Display ALSYSA
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12:02:59 FDRSL1 - INVALID LINK REQUEST MESSAGE FROM SITE MS3 FEEDER 1
12:02:59 FDRSL1 - SITE MS3 -- LINK RECONNECT DENIED ON LINE 1
12:02:48 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
*** THE TIME IS 12:00:08 THE DATE IS 04/17/05 ***
11:49:16 LOGIN SUCCESSFUL BY USER: rat
11:45:34 LOGIN SUCCESSFUL BY USER: REG1
11:41:57 LOGIN SUCCESSFUL BY USER: REG1
11:41:39 LOGIN FAILED FOR USER: REF1
11:13:17 LOGIN SUCCESSFUL BY USER: REG1
11:13:06 LOGIN FAILED FOR USER: reg1
*** THE TIME IS 11:00:08 THE DATE IS 04/17/05 ***
10:33:49 LOGIN SUCCESSFUL BY USER: REG1
10:14:43 LOGIN SUCCESSFUL BY USER: REG1
*** THE TIME IS 10:00:08 THE DATE IS 04/17/05 ***
09:25:40 FDRSL2 - INVALID LINK REQUEST MESSAGE FROM SITE !!! FEEDER 1
09:25:37 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
09:25:32 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
09:25:26 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
09:25:20 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
09:25:15 FDRSL2 - LINE 2 PORT 1 - TRANSMISSION NOT TERMINATED
```

Figure 3

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).



```
ERDS Computer
12:53:35 4/18/2005
Display ALSYSA
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19:36:48 ERDSEA - DATA ARCHIVE FOR SITE MS3 COMPLETED
19:24:35 RAWBAC - DATA ARCHIVE FOR SITE MS3 COMPLETED
19:23:31 RAWBAC - DATA ARCHIVE FOR SITE MS3 INITIATED
19:23:27 ERDSEA - DATA ARCHIVE FOR SITE MS3 INITIATED
19:23:27 FDRXEC - SITE MS3 -- LINK TERMINATED ON LINE 1
*** THE TIME IS 19:00:08 THE DATE IS 04/17/05 ***
18:08:17 LOGIN SUCCESSFUL BY USER: REG1
*** THE TIME IS 18:00:08 THE DATE IS 04/17/05 ***
*** THE TIME IS 17:00:08 THE DATE IS 04/17/05 ***
*** THE TIME IS 16:00:08 THE DATE IS 04/17/05 ***
15:44:56 PASSWORD CHANGED ON ACCOUNT: NY
15:42:48 USER NY LOGGED IN WITH GRACE LOGIN
*** THE TIME IS 15:00:08 THE DATE IS 04/17/05 ***
14:33:05 LOGIN SUCCESSFUL BY USER: rst
*** THE TIME IS 14:00:08 THE DATE IS 04/17/05 ***
*** THE TIME IS 13:00:08 THE DATE IS 04/17/05 ***
12:39:37 USER NY LOGGED IN WITH GRACE LOGIN
12:16:08 LOGIN SUCCESSFUL BY USER: REG1
12:03:34 FDRXEC - SITE MS3 -- LINK ACCEPTED ON LINE 1
12:03:34 FDRXEC - LINK REQUEST RECEIVED FROM SITE MS3
```

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.