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TRANSFER FOR DIRECT REPLY - DOE

WJ74
CHRON

US Spent Fuel Team Daily Fax

Saturday, July 20, 1996

TO: CHERIE FITZGERALD, US DOE NN-42 1 202 586 2323 FROM: KEN AMES, DOE SITE MONITOR 860 2 381 2473

Rods canned today: 20 Rods canned to date: 1989 Cans/rods in racks: 88/1885

29

Today was more productive than indicated by the rod count. The site workers started doing decon work after lunch and the morning crew did not have one of their best days. But water clarity was better today and one basket of fuel was washed so it'll be ready to put in place for loading on Monday. Butch says we're all set for a really good day Monday unless something goes wrong.

The new procedures instituted by Bob Flournoy have worked wonders on the spread of contamination. Today's survey results were the best I've seen since arriving at the site. And this week was the most productive week to date—322 rods canned.

Sean Tyson still does not have his visa and was unable to enter the country today. It would be interesting to know whether the rash of visa problems we're seeing lately is the result of some particular animosity being directed at the Spent Fuel Team or whether it is merely the result of exorbitant communications technology and/or incompetence and laziness. This evening Mr. Choe In Chol of the Atomic Energy External Affairs claimed he still had seen no request for Sean's visa. I've spoken to Ken Quinones and he will take it up with the Foreign Ministry. This morning I had a call from Tom Grim, who informed me that my monster fax of yesterday had arrived intact (the Guest House fax machine was unable to confirm receipt) and also that there is a problem with Jim Faughnan's visa. I have informed Bob Flournoy that he will be asked to extend unless Jim's visa becomes available before Tuesday. The latest word is that Faughnan's visa request has been received, so I'm guessing he will make it in on schedule.

I had planned to discuss boiler issues with the Chief Engineer today, but he was not available in the afternoon. It was just as well, because I finished my first roll of film in the morning and developed it in the afternoon. In such primitive facilities it makes quite a mess, but the negatives turned out very nicely as they did last time. They'll get their security review on Monday. I haven't been shooting video, because what we're doing now is about the same thing we did when Dick was here. I understand he got footage of Butch applying the seal, which was probably the most outstanding photo op of the last few weeks.

The weather is unbelievably sticky, making it difficult to sleep. Last night the guest house added a bonus. Starting about midnight until about 2 AM, we had cars coming and going with people talking, shouting, and walking around. About 1 AM, a bus half-full of

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22/07 '96 22:18 8502814422

RA Libby
PYONGYANG KORYO. --- DOE NN-42

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US Spent Fuel Team Daily Fax (3p.)

Monday, July 22, 1996

TO: CHERIE FITZGERALD, US DOE NN-42 1.202 586 2323 FROM: KEN AMES, DOE SITE MONITOR 850 2381 4422

Today the telephone line to the guest house was out. Since I needed to discuss decisions regarding vacation and team schedule, I left the site at 5:30 and traveled to Pyongyang. I will call your number between 9 and 9:30 AM Monday EDT. Canning was going OK when I left, but a scheduled power outage that went overtime slowed things.

Denis Reynolds and Neal Bonadies arrived on Saturday. Neal checked with Sang Chua regarding shipping a bottle of P-10 gas from Beijing and found that it would take 30 days to get it in because the hazmat train only goes twice a month. Our information indicates that the sea shipment including P-10 gas will be here quicker than that.

Today the Chief Engineer announced that the site workers' vacation would start the morning of August 1 (no work that day) and last through the 9th, with work resuming on Saturday, the 10th. I expressed dismay that we were losing more than the week originally agreed to, but it did no good. I explained that it would be much better for us if the vacation could start two days later with work resuming on Monday, the 12th. He replied that their reservations were locked in and could not be changed. I responded that we might not supply a full crew on the 10th, since it would require keeping John Ettien and Neal Bonadies here through the vacation period or having George Jackson and Dixon Parker return earlier. He said that would be OK.

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Spint Fuel Team Schedule as it might be adjusted to vacation schedule

	Kei	John	Neal	Burch	Mike	Dennis	Chris	Sean	Dawn	Jeff	Brian	Bob	Jim	George	Dixon
	Amas	Ettlen	Bonachet	Hamilton	Honeycutt	Raymolds	Miller	Tyson	Webster	Pope	Thrift	Flotney	Faughnan	Jackson	Parker
Mon 7/2/96	site	site	site	site	site	site	site	PEK	site	site	site	site	site	site	site
Tue 7/3/96	site	site	site	site	site	site	site	PEK	site	site	site	site	site	site	site
Wed 7/4/96	site	site	site	site	site	site	site	PEK	site	site	site	site	site	site	site
Thu 7/5/96	site	site	site	site	site	site	site	PEK	site	site	site	site	site	site	site
Fri 7/6/96	site	site	site	site	site	site	site	FNJ	site	site	site	site	site	site	site
Sat 7/7/96	site	site	site	site	site	site	site	site	site	site	site	site	site	site	site
Sun 7/8/96	site	site	site	site	site	site	site	site	site	site	site	site	site	site	site
Mon 7/9/96	FNJ	site	site	site	site	site	site	site	site	site	site	FNJ	site	site	site
Tue 7/10/96	home	site	site	site	site	site	site	site	site	site	site	PEK	site	site	site
Wed 7/11/96	home	FNJ	FNJ	FNJ	FNJ	site	site	site	site	site	site	PEK	site	site	home
Thu 7/12/96	home	FNJ	FNJ	FNJ	FNJ	site	site	site	site	site	site	PEK	site	site	home
Fri 7/13/96	home	PEK	home	home	home	site	site	site	site	site	site	PEK	site	site	home
Sat 7/14/96	home	home	home	home	home	site	site	site	site	site	site	PEK	site	site	home
Sun 7/15/96	home	home	home	home	home	site	site	site	site	site	site	PEK	site	site	home
Mon 12/86	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK	PEK
Tue 13/86	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ	FNJ
Wed 4/86	site	site	site	site	site	site	site	site	site	site	site	site	site	site	site

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DOE OFFICE OF CLASSIFICATION
DATE: 2/6/2004
T. S. [Signature]

Res, DOE site rep, Nyongbyon

7/22/96 12:14 PM

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ML174C
3/7

D000 13755

07/24/96 08:41 202 586 2323
96-07-24 20:38 PYONGYANG-KOREA

DOE - NN-42
850-2-3814423

V CAROTENUTO

002/004

T-352 P. 01

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CHRON

7/11/95

US Spent Fuel Team Daily Fax

Wednesday, July 24, 1996

TO: CHERIE FITZGERALD, US DOE NN-42 1 202 586 2323 FROM: KEN AMES, DOE SITE MONITOR 850 2 381 2473

Rods canned today: 55 Rods canned to date: 2180 Cans/rods in racks: 97/2070

Progress was slow this morning because the bridge crane was out of operation for maintenance. But the team was able to wash a basket and continue the conditioning underway at station #1 and station #4. At the end of the day, conditioning was finished on canister O-24 at station #4, but John Ettien noticed that there were bubbles coming from it. The lid was re-torqued, but the bubbles continued. Upon closer examination using the underwater video camera, it appears that the leak may be in the weld sealing the relief valve elbow to the lid. John is faxing a request for instructions to Hi-Tech. It is possible that we might be able to repair the weld, or we may need to use the lid from another



07/24/96 08:42 202 586 2323
96-07-24 20:39 PYONGYANG-KOREA

DOE - NN-42
850-2-3814423

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MUSA

US Spent Fuel Team Daily Fax

Tuesday, July 23, 1996

TO: CHERIE FITZGERALD, US DOE NN-42 1 202 586 2323 FROM: KEN AMES, DOE SITE MONITOR 850 2 381 2473

Monday, July 22

Rods canned: 62 Rods canned to date: 2051 Cans/rods in racks: 92/1954

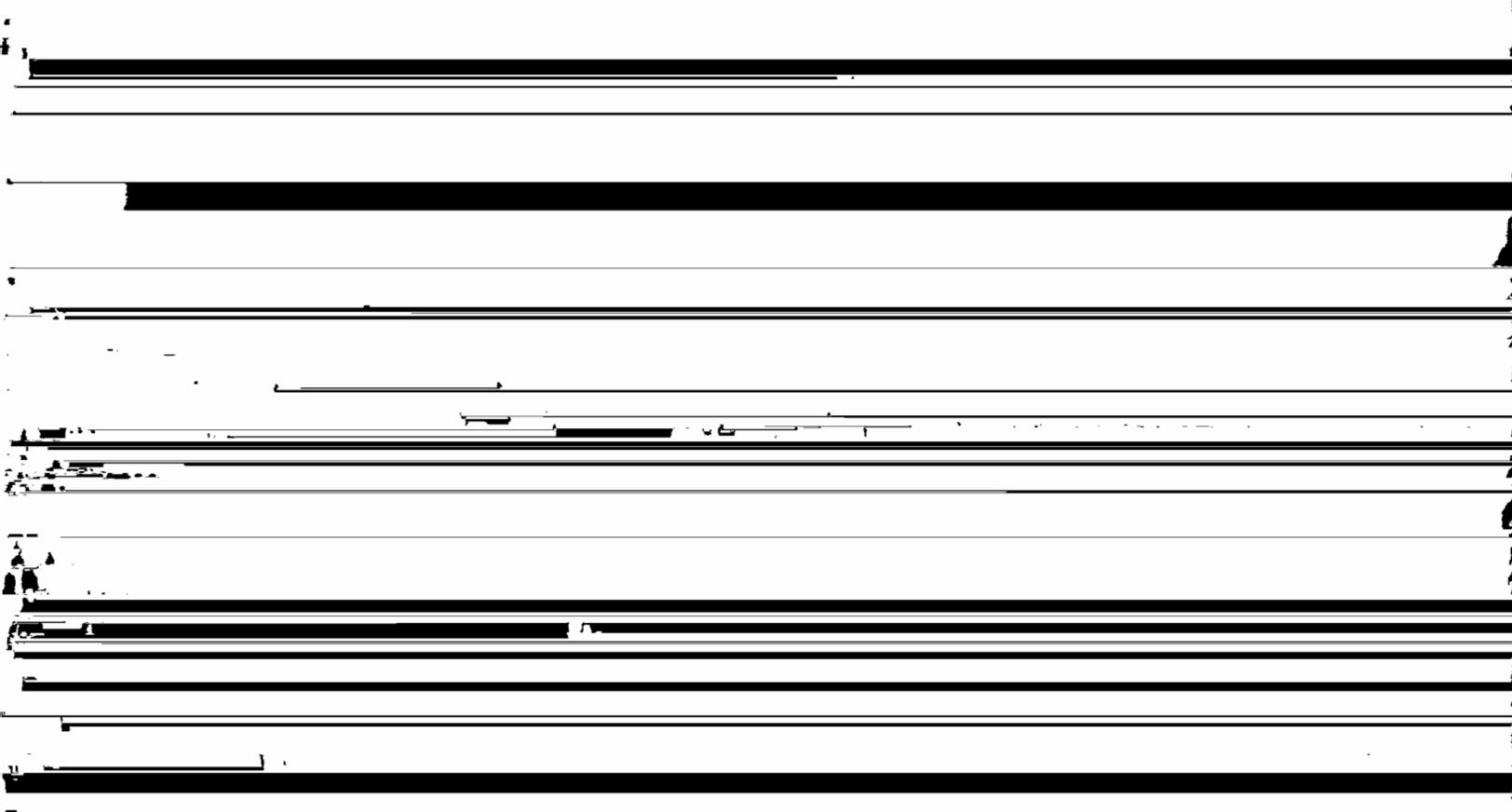
Today

Rods canned: 74 Rods canned to date: 2125 Cans/rods in racks: 95/2023

Dick is right about the canister count. It should have been 89 after Friday.

The morning went very well and our total for the day is the third best day ever. In the last two days we've passed the 2000 rod milestone, both in the cans and in the racks. Butch remarked at lunch as we chowed down on Chef Reynolds' excellent cuisine, that nothing had gotten broken, dropped, stuck, or otherwise messed up. In the afternoon, our luck changed. A canister was dropped by the site crew while being loaded into the work station. But they were able to grapple the canister and fix the problem themselves. Performance by the site workers is not consistent. Some work very hard and do a great job, but there are others who produce very little and who seem especially clumsy or careless. My impression is that things will continue to improve, but not as quickly as we'd like.

This morning I returned to the site from Pyongyang about 9 AM. I had received your fax and passed the information back to everyone on site. The schedule was presented to the



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M175B

DAILY ROD PROCESS DATA							
DATE: Wednesday July 24, 1996 rods cans							
55 2							
STATION NUMBER	BASKET NUMBER	CANISTER NUMBER	LID INSTALLE	CANISTER LOCATIO	NUMBER OF RODS		TOTAL
					PREVIOUS	TODAY	
1	63	O-198	NO	2-E-1	22		22
	34	O-26	NO	G	5	14	19
	34	O-22	NO	O			0
							0
							0
2	33	O-23	NO	O	21	1	22
	33	O-25	NO	G		1	1
							0
							0
							0
3	32	O-21	NO	O	5	14	19
	32	O-29	NO	G			0
							0
							0
							0
4	128	O-200	NO	2-D-8	25		25
	102	O-24	NO	OP	24		24
	102	O-27	NO	O		22	46
	102	O-28	NO	G		1	1
	103	O-28	NO	G		2	2
							0
N/A	B2	NO		R8	14	0	14
	S3	NO		R8	0	0	0
	S4	NO		R8	0	0	0

DAILY ROD PROCESS DATA							
DATE: Tuesday July 23, 1996 rods cans							
74 3							
STATION NUMBER	BASKET NUMBER	CANISTER NUMBER	LID INSTALLE	CANISTER LOCATIO	NUMBER OF RODS		TOTAL
					PREVIOUS	TODAY	
1	63	O-22	NO	O			0
	63	O-198	NO	G	20	2	22
	34	O-26	NO	G		5	5
							0
							0
2	33	O-195	YES	2-D-5	22		22
	33	O-23	NO	O	4	17	21
	33	O-25	NO	G			0
							0
							0
3	32	O-21	NO	O	5		5
	32	O-191	NO	2-D-7	20	2	22
	32	O-29	NO	G			0
							0
							0
4	128	O-200	NO	OP	6	19	25
	128	O-199	NO	2-D-6	25		25
	128	O-24	NO	G		10	10
	102	O-24	NO	G		14	14
	102	O-27	NO	O			0
							0
N/A	B2	NO		R8	14	0	14
	S3	NO		R8	0	0	0
	S4	NO		R8	0	0	0

DAILY ROD PROCESS DATA							
DATE: Monday July 22, 1996 rods cans							
62 3							
STATION NUMBER	BASKET NUMBER	CANISTER NUMBER	LID INSTALLE	CANISTER LOCATIO	NUMBER OF RODS		TOTAL
					PREVIOUS	TODAY	
1	63	O-180	YES	2-D-2	22		22
	63	O-198	NO	G	3	17	20
	63	O-22	NO	O			0
							0
							0
2	33	O-195	YES	OP	19	3	22
	33	O-23	NO	O		4	4
							0
							0
3	208	O-198	YES	2-D-4	22		22
	32	O-191	NO	G	5	15	20
	32	O-21	NO	O			0
							0
							0

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CHRON
M/16 ①

US Spent Fuel Team Daily Fax Thursday, July 25, 1996

TO: CHERIE FITZGERALD, US DOE NN-42 1 202 586 2323 FROM: KEN AMES, DOE SITE MONITOR
850 2 381 2473

Rods canned today: 21 Rods canned to date: 2201 Cans/rods in racks: 98/2092

There are some items from yesterday's meeting with the Chief Engineer which I forgot to report on:

- I requested access to IAEA or DPRK records for the beginning of canning, which we do not have good records for. He gave me permission to see if I could get the IAEA data which is in Excel format. This morning I asked the IAEA inspector and was told I could see a printout and copy numbers from it. I should get this tonight.
- We asked the Chief Engineer if the leaks in the roof could be repaired to cut down on the amount of water falling on our equipment. He said repairs are underway.
- I informed the Chief Engineer that we have a draft shutdown procedure. He took a copy and agreed to comment on it. He said he's working on a procedure also.
- He asked what we wanted to do with our empty Argon bottles. I replied that if there was a welding supply company around, we could sell them our empties. He replied that of course there are such facilities, but they have no need of our bottles. In that case, we'll give them to the Koreans as scrap.
- The Chief Engineer said that they need to vacuum more floor area in the east pool so they'll have a place for empty baskets. I replied that water clarity is so poor that they may not be able to see what they're doing and that it might be better to wait for Monday or after vacation to vacuum again. He replied that if they couldn't see the bottom, they'd wait and stack the empty baskets on top of empty racks temporarily.
- The Chief Engineer complained that operators were once again not cleaning rods thoroughly enough. I protested that our guys were indeed cleaning the rods for a minimum of one minute as requested. Then he said that in addition to cleaning, he wants a thorough video examination of each rod. I agreed to this and the 'rod punks' have been informed.

Last night John Ettien talked to the U.S. and was told that we don't have the correct weld rod to repair the leaking weld on canister O-24. They also advised against trying to use the lid from a different canister. So we proposed to the Chief Engineer that the fuel from O-24 be transferred to a new canister. He agreed and the IAEA concurred. We didn't expect to lose more than an hour or two doing this, but the overhead crane was out of service from 8:45 until 12:35 and after it was fixed it took longer than expected to transfer the rods, partly because our replacement rubber and Loctite® 380 grew legs and we have no more Loctite®. But we got through the day and hope to do better tomorrow. At least we passed the 2200 mark today. Tomorrow we'll put the leaking lid on an empty canister and Snoop® test it and photograph the results.

I forgot Denis' and Neal's initials on the last two days' faxes. They've been here since Sunday.

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U.S. spent fuel team (DOE) Weekly Summaries

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DOE OFFICE OF CLASSIFICATION
T. Sieler *T. Sieler* DR DATE: *3/6/2009* HS-93

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07/31/96 09:57 202 586 2323
'96-07-31 21:02 PYONGYANG-KOREA

RA Libby
850-2-3814423

V CAROTENUTO 002/004
T-398 P.03

U.S. SPENT FUEL TEAM DAILY FAX TUESDAY, JULY 30, 1996
TO: CHERIE FITZGERALD, U.S. DOE NN-42 1 (202) 586-2323
FROM: SEAN TYSON, DOE Site Monitor 850 2 381-2473

M177

RODS CANNED TODAY: 11
RODS CANNED TO DATE: 2243 2279
CANS/RODS IN RACKS: 102/2181

CHRON

Bob Flourney and I met with CE Li to discuss the filter change this morning. We were told that the two sides had previously agreed that the 10 micron filters would be used in the main filters and, as they had a five month service life and had been recently changed, there was no reason to do so again. Bob felt that the high dosage reading warranted a filter change, but agrees that from an ENGINEERING standpoint, a filter change is not required at this time. The prefilters for one bank were changed. The chillers will operate during the vacation, but the water filtration system will not. Bob also asked me to ask about whole body counts: who is keeping track of this

members?