

D000 13 490

M16

TRANSFERRED TO OTHER AGENCY
TRANSFER FOR DIRECT REPLY - DOE

US Spent Fuel Team

18

To: Cherie Fitzgerald, US DOE NN-42
202 586 2323
From: Ken Ames, DOE onsite monitor
Date: Thursday, September 28, 1995

We worked normal hours today and were reminded that the operators normally work only 6 hours, but they are working 8 to accommodate us. They might not appreciate it if we stay and work late.

This morning, we requested permission to run an impromptu test of sludge settling by agitating some of it using one of the long poles standing along the side of the west pool. This was agreed to, but prompted the Chief Engineer to request the radiological data from John's earlier tests on the sludge. We agreed to fax a request for this data and to provide it to him when we received it, hopefully within a day or two. (Center, please note) I informed the Chief Engineer that, if it would work, we might not completely vacuum the west pool before starting to install canning racks and/or work stations. This would save time and reduce the number of filter bags filled with sludge. Incidentally, I got the impression that his plan is to make a cask to hold the filter bags and to remove them from the pool. Since handling of radioactive waste is his responsibility, I assume this is something he can decide to do. The test was most interesting and informative. We waited until the sunlight was shining in the corner of the pool where we wanted to test and Al Miller videotaped the whole thing with his camcorder. In the corner of the pool where we were, it appeared that the sludge layer was about 1 inch thick, rather than the 2 inches we had guessed. Much of the sludge settled within a few minutes, but a cloud of thin haze persisted for over an hour where we had run the test. Based on this test, Gordon doubts that much of the sludge has a specific gravity

of 2, because of its settling rate. When I return, I'll bring a copy of the video tape, which turned out very well.

After this test, we removed the underwater video camera from the east pool, where it had been hanging for several days. We used the water from the makeup skid to hose down the boom and camera as it came out and laid the mat on a yellow plastic runner on the north side of the pool. We encountered no significant problems in removing the camera.

Al Lynch, we received the fax from Centec. Gordon spent much of the afternoon compiling the data Roger asked for, but hasn't finished yet. He had to load Quattro Pro on the computer first and we had a power outage in the middle of everything, of course.

Late in the afternoon, Mr. Kim came in to tell me that Air Koryo had informed GDAE that the remainder of our shipment will arrive in Pyongyang on October 9. Mr. Kim wanted to know the size and weight of the seven boxes remaining, so I gave him the information. He also wanted to know if any other spent fuel team supplies would be arriving at the same time. I told him that that was a possibility and that I would ask the U.S. for information on what we might expect in the total shipment October 9. (NAC, what can you tell us?) I asked whether we would receive the shipment on the 10th, since it is a holiday. He said it was possible we might get it on the 9th, depending on what time the plane arrives in Pyongyang. But there will be no work at the site on the 10th.

Pool water temperature is 44°F. Dose rate from the 1 micron bag prefilters (installed 9/21 @ 1900) is currently 16-18 mR/hr. Dose rate from the 2 micron main filter's installed 9/22 @ 1600) is 15-20 mR/hr.

Gordon just mentioned that it would be really handy to have a label maker. One of the things he and Al can start doing while waiting is to unpack and organize more stuff.

CONFIRMED TO BE UNCLASSIFIED
DOE OFFICE OF CLASSIFICATION HS-93
DATE: 11/5/2009
T. Stier

Bill

DOES NOT CONTAIN
UNCLASSIFIED CONTROLLED
NUCLEAR INFORMATION

U.S. Spent Fuel Team (DOE) weekly summaries

20080002437

AM 18

TRANSFER
TRANSFER

US Spent

To: Cherie Fi
202 586 2
From: Ken Arne
Date: Friday, S

We worked ni
In our morning
had promised to
to house the boiler
Please do your
time.

Gordon said t
not turning off the
restarting the sys
cycled several in
the Chief Engineer
restart and askac
the operators coi

The Chief Eng
copies of the ope
Mr. Blok had bee
finish before he
on site and sugge

Gordon and A
control system th
controller now co
input correction c
flow control syste
desired rate by in
totalizer, which w
as well. With the
we have now pas
about sit. compa