

Declassified
Case: NW# 44598
Date: 12-06-2018



Department of State **TELEGRAM**

~~SECRET~~

AN: N770002-0008

~~SECRET~~

PAGE 01 STATE 053088
ORIGIN NODS-00

INFO OCT-01 ISO-00 /001 R

66011
DRAFTED BY EA/ROC:BLEVIN:ARCKC
APPROVED BY EA:WHGLEYSSTEEN, JR.
S/S:PBRIDGES

-----100258Z 096236 /70

R 100209Z MAR 77 ZFF5
FM SECSTATE WASHDC
INFO AMEMBASSY TAIPEI 7383

~~SECRET~~ STATE 053088

NODIS

FOL RPT TOKYO 3212 ACTION SECSTATE 8 MAR 77 QUOTE

~~SECRET~~ TOKYO 3212

NODIS

FOR EA/ROC/B. LEVIN; ACDA/NTS/T. DAVIS, FROM J.H. MENZEL

E.O. 11652: GDS
TAGS: IAEA, PARM, ROC
SUBJECT: ROC/IAEA SAFEGUARDS

MENZEL CONTACTED HEAD OF IAEA FAR EAST SECTION, THORNE
(PROTECT), IN TOKYO. FOLLOWING INFORMATION MAY BE OF INTEREST:

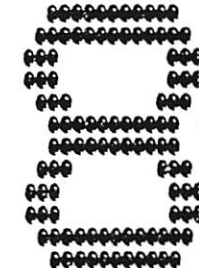
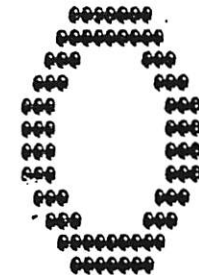
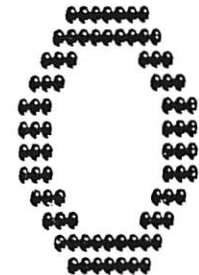
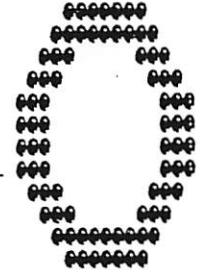
1. THORNE VISITED ROC MARCH 8. WHILE DESIGN INFORMATION ON
TRR SUBMITTED BY ROC TO IAEA DOES NOT SHOW POND EXIT PORT,
THE CANADIAN DRAWINGS SEEN BY THORNE AT INER DURING THIS VISIT
CLEARLY SHOW DESIGN AND COMPLETED CONSTRUCTION OF SAID PORT.

SECRET
SECRET

PAGE 02 STATE 053088

FURTHER, ACCORDING TO THORNE, THE CANADIANS HAD TOLD HIM

~~SECRET~~



~~SECRET~~

EARLIER THAT THE PORT HAD BEEN DESIGNED AND CONSTRUCTED AT ROC REQUEST.

2. DURING HIS VISIT, THORNE CLIMBED DOWN THE MANHOLE TO EXAMINE CLOSELY THE BOLTS ON THE EXTERNAL PORT COVER. IN CONTRAST TO THE RUSTED RUNGS OF THE MANHOLE LADDER, HE FOUND THE BOLTS TO BE IN VERY GOOD CONDITION. THORNE SEEMED CONVINCED THAT THE PORT COVER HAD BEEN REMOVED SOMETIME SINCE CONSTRUCTION.

3. WHEREAS, ACCORDING TO THORNE, VICTOR CHENG MAINTAINS THAT THERE IS ACTUALLY NO HOLE THROUGH THE CONCRETE WALL, THORNE CONFIRMED PRESENCE OF HOLE BY HIS HIGH RADIATION MONITOR READING DURING THE EXAMINATION OF THE EXTERNAL PORTHOLE COVER.

4. THE UNSAFEGUARDED POND EXIT PORT DISCOVERED BY INSPECTOR FRITTMAN AND ITS FULL IMPLICATIONS OF INEFFECTIVE IAEA SAFEGUARDS AT TRR WAS REPORTED BY ROMETSCH TO EKLUND ON ABOUT FEBRUARY 7. HEAD OF FAR EAST SECTION PUT MUCH EMPHASIS ON THE FACT THAT THIS CAUSED EKLUND TO COME ALL THE WAY DOWN TO THORNE'S OFFICE FOR FURTHER DETAILS. NOTE THAT NEWS OF EXIT PORT, BUT ONLY THAT, IS COMMON KNOWLEDGE AT IAEA. THE PRESENCE OF SPECIAL FUEL RODS IS NOT A STRONG FACTOR IN IAEA'S THINKING BECAUSE INSPECTORS BELIEVE THE STANDARD RODS CAN BE CUT EASILY IN THE POND.

5. IAEA GAVE ROC PERMISSION TO MOVE SPENT FUEL FROM TRR POND TO DRY STORAGE DURING MARCH 7-25. TWO INSPECTORS ARRIVED ROC ON MARCH 3 TO PERFORM NON-DESTRUCTIVE MEASUREMENTS IN THE POND ON ALL SPENT FUEL SINCE THE SAMPLING PLAN FOR MEASUREMENTS DURING THE JULY 1976 INSPECTION WAS TOTALLY INADEQUATE IN VIEW OF THE UNDECLARED EXIT PORT; THE INSPECTORS WILL STAY OVER THREE WEEKS TO COMPLETE
SECRET
SECRET

PAGE 03 STATE 053088

MEASUREMENTS AND WITNESS TRANSFER OF SPENT FUEL TO DRY STORAGE.

6. FAR EAST SECTION HAS COMPARED TRR FUEL INVENTORY RECORDS PROVIDED DURING PREVIOUS INSPECTIONS WITH A DETAILED ANALYSIS OF THE RECENTLY ACQUIRED TRR OPERATION COMPUTER DATA. THIS ANALYSIS SEEMS TO INDICATE THAT THE

~~SECRET~~

~~SECRET~~

IRRADIATION AND DISCHARGE OF NINE FUEL RODS HAD NOT BEEN DECLARED TO IAEA, SINCE THESE INVENTORY RECORDS ARE COMPLEX AND ARE THE RESPONSIBILITY OF SEVERAL SEPARATE GROUPS OF PEOPLE AT INER, A CLOSE COMPARISON OF ALL AVAILABLE DATA MAY REVEAL THE "TRUTH". MENZEL SUGGESTS THAT, IF OKAYED BY ROMETSCH AND STATE, SECRET DISCUSSIONS BETWEEN U.S. NUCLEAR TEAM AND IAEA INVOLVING EXCHANGE OF FUEL INVENTORY RECORD INFORMATION COULD PROVE TO BE VERY FRUITFUL.

7. FEELING AT IAEA SEEMS TO BE THAT DISCLOSURE OF CIRCUMSTANCES AT TRR REFLECT ON LACK OF ROC COOPERATION RATHER THAN LACK OF IAEA SAFEGUARDS EFFECTIVENESS SINCE, UP TILL NOW, NO DIVERSION OF SIGNIFICANT EMPHASIS ON SIGNIFICANT AMOUNTS OF NUCLEAR MATERIALS HAS BEEN FOUND.

8. IT IS ESSENTIAL TO PROTECT THORNE AND MENZEL AS SOURCE OF ABOVE.

9. REPLY, IF ANY, SHOULD BE SENT THROUGH SCIENCE COUNSELOR, EMBASSY TOKYO, SHOESMITH

UNQUOTE VANCE

SECRET

~~SECRET~~

**NATIONAL
SECURITY
ARCHIVE**

This document is from the holdings of:

The National Security Archive

Suite 701, Gelman Library, The George Washington University

2130 H Street, NW, Washington, D.C., 20037

Phone: 202/994-7000, Fax: 202/994-7005, nsarchiv@gwu.edu