

POOR ORIGINAL

October 20, 1980

bcc: JRShea
JDLafleur
JBDevine
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BSenseney
AGore
JBecker, ELD
RBrady, SEC

MEMORANDUM FOR: Samuel J. Chilk, Secretary
FROM: Joseph D. Lafleur, Jr., Deputy Director
Office of International Programs
SUBJECT: COMMISSION VISIT OF GREEK DELEGATION, OCTOBER 21, 1980

Attached for all participants is brief background information for use during the Tuesday, October 21, visit of Mr. K. Dokas, President of the Greek Atomic Energy Commission (GAEC), and Dr. G. Yedigiaroglu, Head of the Nuclear Regulatory Service of the GAEC. The visitors, who wish to discuss current nuclear issues, will arrive at H Street at 11:00 a.m. for their first appointment.

By copy of this memorandum, EDO, OGC, OPE and ELD are also being advised of the final arrangements.

original signed by
Joseph D. Lafleur, Jr.

Joseph D. Lafleur, Jr.
Deputy Director
Office of International Programs

Enclosure:
Background Information

cc w/encl: W. J. Dircks, EDO
L. Bickwit, OGC
E. J. Hanrahan, OPE
H. K. Shapar, ELD
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DATE	10/20/80	10/20/80			

CHECKLIST

Tuesday, October 21, 1980

<u>Time</u>	<u>Event</u>	<u>Location</u>
11:00 - 11:30 a.m.	Meeting with Commissioner Gilinsky	Commissioner Gilinsky's Office
11:30 - 12:00 noon	Meeting with Chairman Ahearne	Chairman's Office
12:00 - 1:30 p.m.	Commission Luncheon	Commission Dining Room

Guests

Mr. K. Dokas, President of the Greek Atomic Energy Commission (GAEC)
Dr. G. Yedigarglu, Head of the Nuclear Regulatory Service of the GAEC

Meeting Participants

Chairman Ahearne (11:30 - 12:00 noon)
Commissioner Gilinsky (11:00 - 11:30 a.m.)
Joseph D. Lafleur, Jr. (11:00 - 12:00 noon)

Luncheon Participants

Commissioner Bradford
Commissioner Gilinsky
W. J. Dircks
J. D. Lafleur, Jr.

IP Contact: Ann McLaughlin-Gore, 492-7788

Greek Nuclear Energy Organization

Greece has two agencies involved in the development of nuclear power: the Hellenic (Greek) Atomic Energy Commission (G.A.E.C.) and the State-owned Public Power Corporation (PPC). The G.A.E.C. includes within its structure a nuclear safety group which is evolving into a semiautonomous regulatory body. The PPC, the national electrical utility organization, is responsible for the planning, installation and operation of any nuclear units in Greece. In anticipation of the purchase by the PPC of Greece's first nuclear power reactor, the interested agencies (GAEC, PPC), and the Greek Energy Committee, on which both GAEC and PPC members sit, have been working to define the detailed split of responsibilities in the areas of site selection, construction permits and operational limits and approvals.

With regard to the installation and operation of nuclear facilities, a Legislative Decree provides for the licenses required for the installation and operation of nuclear facilities. This decree also provides that Presidential Decrees shall determine the procedures for the issuance of such licenses. According to the Legislative Decree, ministerial Acts will determine the general safety requirements and the establishment of a national authority responsible for inspecting and for ensuring the application of the safety regulations concerning the installation and operation of nuclear facilities. This particular area of responsibility appears quite clearly destined to be assigned to the regulatory group being formed at the GAEC.

Research Center

The Democritos Nuclear Research Center, located outside Athens and established in July 1961, is the principal nuclear laboratory of the Greek AEC. The 500-acre Center is used for training, fundamental research, and the development of radiation techniques for agriculture and industry. A group at the Center also follows nuclear power reactor developments.

The Democritos Center has Greece's only nuclear reactor, a 1 MW pool-type heterogeneous reactor, cooled and moderated by light water, and fueled with 20% enriched uranium from the U.S. The reactor, obtained from AMF-Atomics with the aid of a \$350,000 USAEC grant, achieved criticality in July 1961. Other research facilities at Democritos include a 0-4 MeV Van de Graaff accelerator and a 500 curie Co-60 source.

The principal groups at Democritos are the Departments of Reactors, Physics, Chemistry, Biology, Electronics, Agriculture, and Health Physics. The Institute for Nuclear Studies which provides courses in post-graduate physics and chemistry occupies a separate building but utilizes the equipment of the Democritos Center.

Ebasco Consultancy Services

The Greek Public Power Corporation (PPC) has signed a \$4 million contract with Ebasco Services to serve as a consultant on Greece's first nuclear power plant, scheduled to go into operation in 1990. The scope of Ebasco's consultancy contract includes site selection, drafting of tender documents, tender evaluation, design, contract negotiation, construction supervision, and fuel management and control. In addition, Ebasco is to choose five possible sites for evaluation by the utility. One possibility that has been mentioned in the Greek press is near Platanistos at the southern tip of the island of Euboea (near the mainland east of Athens).

Cooperation

An Arrangement Between the U.S. NRC and the Greek Atomic Energy Commission for the Exchange of Technical Information and Cooperation in Nuclear Safety Matters was signed October 18, 1978. Former Nuclear Regulatory Commissioner Richard T. Kennedy signed for the U.S.; current GAEC President Konstantine Dokas, for Greece.

IAEA Mission by Richard Vollmer

In December 1978, Richard Vollmer visited Athens, Greece, on a 2-week IAEA safety mission. During his two-week stay, Mr. Vollmer advised the GAEC on safety regulations and guides concerning power reactor siting problems.

IAEA Mission by Seymour Weiss

In February 1980, Seymour Weiss visited Athens, Greece on a two-week IAEA safety mission. During his two-week stay, Mr. Weiss visited the Democritos Nuclear Research Reactor and advised the GAEC staff on a reexamination of the Hazards Report.

P P C

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VICE GOVERNOR
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SCHEDULE

Visit of President Constantine Dokas
and
Dr. George Yadigaroglu
Greek Atomic Energy Commission
to the
U.S. Nuclear Regulatory Commission
October 18-21, 1980

Both will stay at Georgetown Holiday Inn
2101 Wisconsin Avenue
Phone: 338-4600

Saturday, October 18 9:25 p.m. - J. D. Lafleur
Picks up President Dokas. Flight NA 800,
National Airport, and takes him to hotel.

Sunday, October 19 4:50 p.m. - NRC car and driver
Picks up Dr. Yadigaroglu. Flight UA 50,
Dulles Airport, and takes him to hotel.

Sunday, October 19 7:15 p.m. - J. D. Lafleur
Picks up President Dokas and Dr. Yadigaroglu for
dinner at J. R. Shea's residence.

Monday, October 20 President Dokas has meetings outside NRC.

Dr. Yadigaroglu meets NRC staff.
9:30 a.m., Phillips Building, 7920 Norfolk Avenue,
Bethesda - R. Senseney (Extension 27788) will meet
in lobby.

Tuesday, October 21 President Dokas and Dr. Yadigaroglu
(1717 H Street, NW - Lafleur will meet at elevator,
11th floor).

11:00 a.m. - Commissioner Gilinsky
11:30 a.m. - Chairman Ahearne
12:00 noon - Lunch hosted by Commissioner Bradford