POL Foam

SECURITY CLASSIFICATION (If any)

DISPOSITION FORM

FILE NO.	SUBJECT
	POL Tank Foam Type Fire Extinguishing Systems - Eielson AFB

TO	FROM	DATE	COMMENT NO.
Safety Branch Attn: Mr. Wardie King	NPAGD-M	1 Oct 54	EJK/333/ljm

THRU: Lt Col Graft
Mr. ~~Lee~~

1. The following will confirm statements made by Mr. Kreitlow to Mr. King, 1 October 1954, 8:45 A.M. to 9:00 A.M.

2. Eielson AFB, Area E-2, Invitation No. 51-92, Construction Contract DA-244:

As-built drawing 78-09-08, sheet 4 of 62 shows the system installed in Area E-2 at Eielson AFB. The foam chambers, tank risers, size of foam lines were designed by J. F. Pritchard & Company, Architect-Engineers. This system does not comply with fire codes. At the time above sheet was drawn, and information transferred to it from the original Pritchard design, under the supervision of Mr. Kreitlow, the deficiencies were verbally pointed out to those concerned in this office and in USAF. Mr. Kreitlow recommended that the foam systems be redesigned to conform to Code. As the construction was in progress, no action was taken. This course is believed to have been indicated by reason that additional funds would not be made available for the change order. Further comments were to the effect that if using agency required, that the installation of a Code system meeting using agency requirements could be installed later by the using agency. The system as originally installed may not operate satisfactorily, at all temperatures, when foam is pumped through the 2½ inch lines from the foam hydrants.

3. Eielson AFB, Area E-6, Invitation 54-9, Construction Contract DA-569:

Foam systems installed on bulk tanks under close supervision of this office on the bulk tanks located in Area E-6 at Eielson AFB, and approved by the using agency include foam chambers with Moeller Tube and with foam maker, air inlet, air inlet strainer in supply pipe located near foam chamber. The supply pipes and appurtenant facilities are laid out and sized to comply with Fire Code. It is IMPORTANT TO TAKE NOTE that latter system WAS NOT DESIGNED TO PUMP foam through hydrant and supply pipe to foam chamber. The systems were designed to pump a solution consisting of water and foam liquid through hydrant supply pipe to foam maker which is located in pipe in inlet to foam chamber and Moeller Tube. Foam is produced at foam maker and is delivered to foam chamber and Moeller tube. Liquid is to be supplied to the area by mobile units and pumped from foam trucks through two foam fire hose pumper connections and two 3 inch foam lines to two foam chambers on each tank. It is suggested that testing, under proper and controlled test procedures and conditions, of this installation by using agency fire department will find compliance with Fire Code. This test should reveal operational characteristics of the installation at all conditions (and temperatures) that LIQUID can be pumped