

RCVD MAY 4 1965 OAN

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Chief, Electronics Engineering Division

LCDR W. KOHL (5099)

Trip Report; Cape Race Loran-C station construction contractor meeting
27-30 April 1965

1. The purpose of the trip was to attend a meeting with the construction contractor for the Cape Race Loran-C station and DOT personnel on 29 April. The Const Guard was represented by myself, LCDR Viveiros (ECV) and LTJG Miotke (station Liaison Officer). The schedule of the station construction and some related items are discussed below.

2. ELECTRONIC INSTALLATION SCHEDULE:

The original schedule was as follows:

- 1 May - Start transmitter enclosure and screen room installation
- 1 July - Complete installation; on air for equipment checks and RFI tests
- 1 Sept. - On air for operation

The present estimated schedule is as follows. Delays are due to delays in completing the building floors in the areas concerned:

- 19 May - Start transmitter enclosure installation
- 31 May - Start screen room enclosure installation
- * 1 Aug - Complete installation; on air for equipment checks and RFI tests
- * 1 Oct - On air for operation
- * but see para. 3 below for possible greater delays due to diesel installation

3. Schedule of Diesel Generator Installation:

Only this portion of the construction schedule is discussed as it appears that this item represents the greatest potential delay. All other critical portions of the station construction should be completed prior to the diesel generator installation.

Contractors present schedule

- 10 May - Start diesel base construction
- 12 June - Complete diesel base construction. Start electrical and mechanical duct installation and floor installation.
- 17 July - Duct work and floor installed. Start diesel installation
- 17 Sept. - Diesels installed and on line. On air for electronic equipment checks and RFI tests
- 17 Nov. - On air for operation

At present this phase of the project seems to present the greatest overall delay to the on air date. A number of possible ways to shorten this delay are listed below. These will have to be investigated further by DOT.

- a) Install the generators upon completion of the generator bases but prior to installing floor and duct work.
- b) Reduce the time for the installation and check out of the diesel generators below the 2 months now scheduled.
- c) Install only one generator initially (one will carry the complete station load).

In order to evaluate the above suggestions detailed information will be required from the diesel supplier concerning their feasibility. This information should be made available to the construction contractor, by 1st May so he may plan accordingly. ECV Division will be requested to set up a meeting between the Department of Transport and the diesel supplier with a Coast Guard representative in attendance.

4. Shipment of Electronics Equipment

The electronics equipment is due to arrive by vessel at Bay Bulls (approximately 50 road miles from the site) on the morning of 4 May. The temporary storage building at the site has been completed. There may be a slight problem in handling the large boxes in the storage building due to the uneven (gravel) floor, however no major problems are foreseen in transporting the electronics equipment to the site.

5. ITT Field Engineers

The first ITT field engineer arrived in St. John's on 29 April. He will assist in checking and storing the Lorax-C equipment when it arrives at the site. This operation should be completed by 10 May. Installation of the transmitter enclosure is scheduled to start 19 May. The 2nd ITT field engineer is due to arrive at the site about 25 May. If necessary, this date will be adjusted to meet actual requirements.

Walter W. Kohl

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