



**CROWLEY LINER
SERVICES INC.**

Maintenance Administrative Manual

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Subject: REEFER TEMPERATURE READINGS

1. PURPOSE

- 1.1 This procedure establishes minimum requirements for recording reefer temperature readings at Crowley terminal and container yard locations where loaded refrigerated containers are stored.

2. SCOPE

- 2.1 The requirements apply to all Crowley terminals and container yards where reefer equipment is monitored and maintained.

3. RESPONSIBILITY

- 3.1 The responsibility to ensure compliance to the requirements of this procedure rests with Maintenance Managers and Supervisors at Crowley field maintenance locations.

4. BACKGROUND

- 4.1 New generation all-electric refrigerated containers are equipped with micro-processor controllers and built in data recorders to log reefer box temperatures while reefers are in use. In addition, controllers are equipped with alarm codes and lights to indicate to reefer technicians whenever temperatures vary from desired set points.

- 4.2 Accordingly, the need for manual recording of reefer temperatures is required and shall be performed as directed below).

5. PROCEDURE

- 5.1 Shore terminals and container yards where reefer container or trailers are operated will record temperature readings at least twice in each 24 hours.

- 5.1.1 During single or double shift operations, temperatures will normally be recorded in the morning at the start of the first shift and at the end of the first shift or at night during the second shift. In locations where it is feasible, security should take one (1) reading each weeknight between the end of second shift and beginning of first shift. Terminal management must schedule weekend readings to ensure protection of refrigerated loads.

- 5.2 Whenever variances of more than 3 degrees are noted (other than defrost periods) reefer technicians shall take action to determine the cause, and decide if corrective action is needed.

- 5.3 When alarm lights and codes are observed, reefer mechanics shall investigate the cause of variation and determine if corrective action is needed.

- 5.4 Whenever temperature variances are discovered they shall be recorded and corrective action noted on reefer temperature log sheets.

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