

SAUDI ARABIAN OIL COMPANY (Saudi Aramco) GENERAL INSTRUCTION MANUAL ISSUING ORG. POWER DISTRIBUTION DEPARTMENT SUBJECT: PERMISSION TO BE OBTAINED BEFORE STARTING LARGE ELECTRIC MOTORS	G.I. NUMBER 002.700 Approved	
	ISSUE DATE 07/16/2002	REPLACES 02/23/2000
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CONTENT:

This Instruction outlines the correct procedure for obtaining permission prior to starting any 5,000 HP and large motor located in all Saudi ARAMCO plants. The text includes:

- 1 Purpose
- 2 Responsibilities
- 3 Procedure
- 4 Frequency of Starts
- 5 Validity Period of permission to start
- 6 Telephone Numbers

1.0 PURPOSE:

The purpose of this Instruction is to maintain control over the starting of electric motors rated 5,000 HP and greater. No starts are to be attempted without first obtaining proper permission, except as noted in 'emergencies' below. The intent is to prevent starting large motors in a manner that would cause upsets to the electric power system.

2.0 RESPONSIBILITIES:

- 2.1 The Unit Foremen of Plants with electric motors rated 5,000 HP and greater will be responsible to ensure that the procedures outlined in this Instruction are understood and followed by operations personnel in charge of starting large motors (5,000 HP and above).
- 2.2 Operations personnel on shift will be responsible for obtaining proper permission before attempting each start.
- 2.3 Saudi ARAMCO Power Distribution Department, Central Power Dispatch Unit's personnel on shift will be responsible to determine that placing a large electric motor-driven unit on line will not disrupt the power system.

3.0 FREQUENCY OF STARTS:

- Operations personnel will follow applicable instructions regarding permissible frequency of starts, regardless of permission received from the Electric Power Dispatcher.
- For starting large motors, refer to GI 2.701.

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4.0 PROCEDURE:

4.1 Normal Operations

- 4.1.1 Before attempting any start of an electric motor 5,000 HP or greater, operations personnel on shift will first obtain permission from the Saudi ARAMCO Power Distribution Department, Electric Power Dispatchers. Permission will not be granted if such attempt would disrupt electric power system operations.
- 4.1.2 Plant Operations personnel on shift need only to call the Electric Power Dispatchers directly, before each start attempt.

4.2 Emergencies

No start will be attempted without permission, except when starting a large motor may save a life or loss of property, AND communications are out of service. The decision to start a large motor, without permission, will be the responsibility of the ranking operations persons on site at the time of emergency. Electric Power Dispatching personnel will be notified of the start as soon as practical regardless of whether the start was successful or not.

5.0 VALIDITY PERIOD OF PERMISSION TO START:

- 5.1 If due to problems on site a start must be delayed 5 minutes or more, new permission must be obtained, unless a longer validity has specifically been given.
- 5.2 If problems with either the electric power, oil, gas, or water supply/injection systems are observed, do not attempt a start, even if proper permission has been received and the five minute validity period has not expired.

6.0 TELEPHONE NUMBERS:

The contact telephone numbers for the Saudi ARAMCO Power Distribution Department are:

- * 874-3222
- * 874-3020
- * 874-3030

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