



FORT ST. VRAIN NUCLEAR GENERATING STATION
PUBLIC SERVICE COMPANY OF COLORADO

AOP-K-2
Issue 56
Page 1 of 2

TITLE: ENVIRONMENTAL DISTURBANCES - TORNADO

RESPONSIBLE
FOR

AUTHORIZED
BY

PORC
REVIEW

PORC 8 7 7 APR 1 1 1990

EFFECTIVE
DATE

4-19-90

DCCF
NUMBER (S)

90-0142

**FT. ST. VRAIN
NON-CONTROLLED
COPY**

VERIFY ISSUE STATUS
WITH SITE DOCUMENT
CONTROL CENTER PRIOR
TO USE

9005100045 900427
PDR ADOCK 05000267
P PDR

(K-2)
ENVIRONMENTAL DISTURBANCES - TORNADO
SYMPTOM-ACTION MATRIX

ACTIONS	SYMPTOMS			
	1.1 VISUAL SIGHTING OF TORNADO NEAR PLANT SITE	1.2 NOTIFICATION THAT A TORNADO WARNING IS IN EFFECT NEAR THE PLANT SITE	1.3 TORNADO STRIKES THE PLANT, MAIN SWITCH YARD, COOLING TOWERS OR MAJOR STRUCTURES	1.4 TORNADO INDUCED IOFC
OPERATOR ACTIONS				
2.1 Terminate defueling activities.	XX	XX	XX	XX
2.2 Sound fire alarm and evacuate all personnel to Turbine Building, Visitors Center, or Records Storage Building.	XX		XX	XX
2.3 Monitor critical safety functions per EOP's.			XX XX XX	XX XX XX



INTRODUCTION

The tornado danger at the plant site is extremely remote.

The plant is designed to be capable of safe shutdown following a "Maximum" tornado with a 300 mph total horizontal wind velocity. All Class I structures, systems, and components are protected from the "Maximum" tornado.

The "Maximum" tornado conditions are significantly higher than the maximum historical or credit expected conditions at the site.

DISCUSSION OF SYMPTOMS

1.1 Visual Sighting Of Tornado Near Plant Site.

The plant site is in immediate danger and an evaluation of the situation must be performed.

1.2 Notification That A Tornado Warning Is In Effect Near The Plant Site.

This could potentially affect the plant site and should be investigated.

1.3 Tornado Strikes Plant, Main Switchyard, Service Water Cooling Tower Or Major Structure.

This could cause a loss of outside power or loss of the service water cooling tower structure.

1.4 Tornado Induced IOFC

A major tornado could result in an interruption of forced cooling.

DISCUSSION OF OPERATOR ACTION

2.1 Ensure Defueling activities terminated.

Ensure Defueling activities terminated.

2.2 Sound fire alarm and evacuate all personnel to turbine building, Visitor's Center, or Records Storage Building.

The evacuation of all personnel to the above mentioned areas is to minimize the consequences of the tornado, to those people on site.