18A Emergency Procedure Guidelines

The information in this appendix of the reference ABWR DCD, including all subsections, tables, and figures, is incorporated by reference with the following departure.

STD DEP T1 2.14-1 (Table I and Table 1)

18A.2 Introduction

Table I
ABWR EPG Abbreviations

~~*FCS*~~	—	~~*Flammability Gas Control System*~~

18A.5 Primary Containment Control Guideline

STD DEP T1 2.14-1

PC/H *Monitor and control hydrogen and oxygen concentrations*

If while executing the following steps:

- *The hydrogen or oxygen monitoring system is or becomes unavailable, sample the drywell and suppression chamber for hydrogen and oxygen in accordance with [sampling procedure].*
- *Drywell or suppression chamber hydrogen concentration cannot be determined to be below 6% and drywell or suppression chamber oxygen concentration cannot be determined to be below 5%, EMERGENCY RPV DEPRESSURIZATION IS REQUIRED; enter [procedure developed from the RPV Control Guideline] at [Step RC-1] and execute it concurrently with this procedure; ~~secure and prevent operation of the FCS~~ and~~,~~ initiate containment sprays in accordance with [Step PC/H-4] until drywell and suppression chamber hydrogen concentrations can be determined to be below 6% or drywell and suppression chamber oxygen concentrations can be determined to be below 5%.*

PC/H-2 *Monitor ~~and control~~ hydrogen and oxygen concentrations in the drywell.*

PC/H-2.1 ~~*When drywell hydrogen concentration reaches [0.5% (minimum hydrogen concentration for recombiner operation or minimum detectable hydrogen concentration, whichever is higher)] but only if drywell hydrogen concentration is below [6% (maximum hydrogen concentration for recombiner operation or 6%, whichever is lower)] or drywell oxygen concentration is below [5% (maximum oxygen concentration for recombiner operation or 5%, whichever is lower)], and only if suppression pool level is below [11.70 m (elevation of bottom of suppression pool-to-lower drywell vent)], place FCS in service and enter [procedure developed from the RPV Control Guideline] at [Step RC-1] and execute it concurrently with this procedure.*~~ (deleted)

PC/H-2.2 ~~*When drywell hydrogen concentration reaches [6% (maximum hydrogen concentration for recombiner operation or 6%, whichever is lower)] and drywell oxygen concentration reaches [5% (maximum oxygen concentration for recombiner operation or 5%, whichever is lower)], secure FCS operation.*~~ (deleted)

PC/H-3 *Monitor ~~and control~~ hydrogen and oxygen concentrations in the suppression chamber.*

PC/H-3.1 ~~*When suppression chamber hydrogen concentration reaches [0.5% (minimum hydrogen concentration for recombiner operation or minimum detectable hydrogen concentration, whichever is higher)], but only if suppression pool level is below [11.70 m (elevation of bottom of suppression pool-to-lower drywell vent)], and only if drywell hydrogen concentration is below [6% (maximum hydrogen concentration for recombiner operation or 6%, whichever is lower)] or drywell oxygen concentration is below [5% (maximum oxygen concentration for recombiner operation or 5%, whichever is lower)], place FCS in service and enter [procedure developed from the RPV Control Guideline] at [Step RC-1] and execute it concurrently with this procedure.*~~ (deleted)

18A.6 Secondary Containment Control Guideline

Table 1
Operating Values of Secondary Containment Parameters

Secondary Containment Parameter	Maximum Normal Operating Value	Maximum Safe Operating Value
Area Temperature	ºC	ºC
El. 12300 T.M.S.L. (Floor 400-1F)		
■ ~~*FCS Area*~~	~~*65*~~	~~*100*~~
HVAC Cooler Differential Temperature	ºC	°C
~~*FCS (B)*~~	~~*Hi Alarm*~~	~~*N/A*~~
~~*FCS (C)*~~	~~*Hi Alarm*~~	~~*N/A*~~
Area Radiation Level	10^{-5} Gy/h	10^{-5} Gy/h
El. 12300 T.M.S.L. (Floor 400-1F)		
■ ~~*FCS Area*~~	~~*5*~~	
Area Water Level	cm	cm
El. 12300 T.M.S.L. (Floor 400-1F)		
■ ~~*FCS Area*~~	~~*5*~~	~~*>20*~~