

ESBWR DCWG – NRC Meeting May 13, 2008

Impact on NAPS COLA of ESBWR DCD
Changes Related to
Plant Stack and Gaseous Effluent Source
Terms

OVERVIEW

- DCD change to three plant stacks, versus one, has minimal impact on NAPS COLA

- COLA is based on site-specific χ/Q 's with:
 - Site-specific receptor locations
 - Site-specific meteorology
 - Ground-level release from plant perimeter

- COLA FSAR & ER figures show single stack

- NAPS COLA impacts primarily due to concurrent DCD source term changes

NAPS COLA IMPACTS

- ❑ FSAR 12.2 (Airborne Dose Evaluation)
- ❑ FSAR 1.8 (Table of SSAR Variances)
- ❑ ER Section 5.4 (Gaseous Pathway Doses)
- ❑ Part 7 (SSAR Variances)
- ❑ FSAR Section 11.3 (Gaseous Waste Management System Cost-Benefit Analysis)
- ❑ ER Section 1.1 and FSAR Section 2.1 (Site Plan Drawings)

CURRENT NAPS COLA STATUS

- COLA RAI 12.02-1
 - Response submitted April 28
 - Response included markups with anticipated changes to COLA FSAR Sections 1.8 and 12.2, ER Section 5.4, and COLA Part 7
- Final COLA changes to be confirmed and provided after submittal of DCD Revision 5