

**Princeton University External Independent Review of NCSX
Princeton Plasma Physics Laboratory, LSB318
March 13-14, 2008**

Review Panel

George Coward, consultant (Chair)
Graeme Murdoch, Oak Ridge National Laboratory
Peter Titus, Massachusetts Institute of Technology
Lutz Wegener, Max Planck Institute for Plasma Physics

Thursday Mar 13, 2008

LSB 318

07:30	Coffee/ light breakfast	
08:00	Executive Session	G. Coward
08:30	Charge	A.J.S. Smith
08:50	Project Overview & Status	D. Rej & J. Harris
09:30	Requirements & CD-4 Definition	G.H. Neilson
10:00	Break	
10:10	Integrated Project Schedule & Costs	R. Strykowski
10:50	Risk Management	C. Gruber
11:10	Design & System Integration Overview	P. Heitzenroeder
11:40	Construction Overview	L. Dudek
12:10	Executive Session & Working Lunch	G. Coward

1:15 Breakout Sessions & 1-on-1 interviews with Job Managers (see attached) determined by Panel

5:15 Executive Session LSB318

Friday Mar 14, 2008

07:30	Coffee/ light breakfast	LSB318
08:00	Continue Breakout Sessions with Job Managers	
12:30	Executive Session (working lunch provided) (Job Managers on call)	LSB318/G. Coward
4:00	Open Closeout (with Video Conf Link with DOE HQ)	LSB318/G. Coward
4:30	Executive Sessions with PPPL & PU (DCR)	G. Coward, R. Goldston, R. Hawryluk A.J.S. Smith

Breakout Sessions (Job Managers prepared and on call)

Session I: Core Stellarator Systems (Location: Director's Conference Rm LSB331)

WBS 12 Vacuum Vessel Systems	P. Goranson R. Gernhardt
WBS 13 Conventional Coils	J. Chrzanowski F. Dahlgren M. Kalish, M. Cole
WBS 14 - Modular Coils	J. Chrzanowski M. Cole, L.Dudek
WBS 15 Coil Support Structures	F. Dahlgren
WBS 16 Coil Services	P. Goranson
WBS 17 Cryostat & Base Support Structure	S. Raftopoulos F. Dahlgren

Session II: Field Period and Machine Assembly, Test Cell Preps, Start-Up (Location: LSB318)

WBS 18 - Field Period Assembly	M.Viola, T. Brown, L. Dudek, M. Cole
WBS 7: Test Cell Prep & Machine Assembly	E. Perry
WBS 85 - Integrated Systems Testing	C. Gentile

Session III Other Systems (Location: Director's Conference Room LSB331)

WBS 2: Vacuum Pumping & Gas Fueling	W. Blanchard
WBS 3: Diagnostics	B. Stratton
WBS 4: Electrical Power Systems	R. Ramakrishnan
WBS 5: Central Controls & Computing	P. Sichta
WBS 6: Facility Systems	L. Dudek
Cooling & Utilities	S. Raftopoulos
Cryo	M. Kalish
Bakeout	

Session IV: Management (Location: Don Rej's Office LSB376)

WBS 81: Project Management & Integration	D. Rej, J. Harris R. Strykowski
WBS 82: Proj Engineering	P. Heitzenroeder
Mgt & Systems Engineering	R. Brown
Design Integration	A. Brooks
Syst Analysis/Techn Assurance	R. Ellis
Dimensional Control Coord	E. Perry
Plant Design	
WBS19: Stellarator Core Mgmt & Integration	M. Cole