

## Process Hazards Analysis with Focus on LOPA Methodology Sample Agenda

Time	Topic
08:00 – 08:30	Check-in
08:30 – 09:00	Introductions, course roadmap, and participation ground rules
09:00 – 09:45	Overview of various PHA methodologies and focused introduction to LOPA PHA methodology and preparation for a LOPA project
09:45 – 10:00	LOPA preparation exercise - properly defining the initiating event and consequence
10:00 – 10:15	Break
10:15 – 11:00	Detailed instruction on LOPA components - initiating event definition and likelihood, consequence definition, available conditional modifiers and modifier integrity verification, available IPLs and IPL integrity verification, SIL and RRF definitions
11:00 – 11:30	LOPA enabling condition and conditional modifier exercise - why, what, when, how
11:30 – 12:15	Lunch
12:15 – 01:15	Detailed instruction on LOPA calculations and likelihood/PFD values for initiating events, conditional modifiers, and IPLs
01:15 – 01:45	LOPA calculation exercise
01:45 – 02:15	LOPA IPL identification and verification exercise - making sure the IPL will do the job you need it to do
02:15 – 02:30	Break
02:30 – 03:00	LOPA special cases
03:00 - 03:30	Team LOPA exercise - from beginning to end
03:30 – 04:00	Individual LOPA exam
04:00 – 04:15	Wrap-up and feedback

\*Participants should be able to solve basic mathematical problems.