National Air Compliance Training Program

NACT 288 – Petroleum Refining

Tentative Agenda – Monday, August 18, 2014

8:00 AM	Welcome, introductions, housekeeping, expectations
8:30 AM	Introduction to petroleum refining Refining terms, history, petroleum chemistry, refining overview
9:10 AM	Process equipment Heaters, heat exchangers, flare, cooling towers, vacuum systems, tanks
12:00 PM	Lunch
1:00 PM	Processes and control-**separation processes** Desalting, flashing, stripping, distillation (atmospheric and vacuum crude distillation)
3:00 PM	Processes and control-**conversion processes** Hydro-treating, acid and caustic wastes, acid gas (H_2S) scrubbing, hydrogen manufacturing, H_2S recovery, tail gas testing
5:00 PM	Adjourn

Tentative Agenda – Tuesday, August 19, 2014

8:00 AM	Process and control-**treatment processes** Catalytic reforming, alkylation, isomerization, fluid catalytic cracking, hydro-cracking, coking
9:30 AM	Process and control – **blending**
10:00 AM	Continuous emissions monitoring, waste water treating
11:00 AM	Fugitive VOC emission/controls, safety
11:30 AM	Review, exam and course evaluation
12:30 PM	Lunch
1:30 PM	Site visit to Monroe Energy Facility
5:00 PM	Adjourn

Note: Breaks will be given throughout the day as appropriate