

Petrogenium. Academy

Process Technology

Bulk Liquid Movements & Quality Course

Consultant / Trainer

Michael Conway Nunn & Paul van Oers



This **Petrogenium** course is proudly presented by leading international industry experts with more than 35 years experience each. **Michael** and **Paul** equip participants to be effective: support projects, operational and technological needs and planning. The suite of 54 possible modules can be presented in its entirety or else tailored to audience and client requirements.

Oil Movements Product Quality				Course Focus Areas		
Oil Movements	Oil Movements	OM PQ	OM PQ	OM PQ	Product Quality	
Storage Blending Transfer	Process Design Safety	Systems Control & Optimisation Data Handling	Biofuels Process Integration	Crude & Bio feedstock Handling	Feedstock Product Intermed. Final Biofuels	
Process Engineering	Technology	Planning & Scheduling	Operations	PQ Assurance	Projects	Trading



Participants

This **Petrogenium** course is for refinery/petrochemical process engineers, economists and operational staff interfacing with or working in Oil Movements. It can be tailored to improve awareness at various experience levels or customized for a specific refinery/petrochemical complex. The course curriculum provides in-depth knowledge on a broad range of subjects. Options for post-course consultancy/help-desk support are available.



Learning Objectives

- Oil Movements Process Safety. Environmental & PQ Risks. Mitigation Steps.
- Develop, improve and assess unit design & operation.
- Broaden knowledge of OM & PQ for operating and project development staff.
- Assess which tools are most appropriate to apply for particular OM & PQ challenges.

Programme

Day 1: Michael Conway Nunn

Oil Movements – 1

- Introduction
- Product classification
- Bulk liquid storage
- Venting & emissions
- Operation & Maintenance

Day 3: Michael Conway Nunn

Oil Movements – 3

- Pipelines
- Piping
- Rail & road loading
- Marine loading & discharging
- Emission mitigation

Day 5: Paul van Oers

Product Quality

- Product Quality assurance
- Role of laboratory
- Product acceptance procedures
- Sampling & Sample systems
- (Bio) Product specifications & properties

Day 2: Michael Conway Nunn

Oil Movements – 2

- Blending
- Transfer & handling
- Process safety in Oil Movements
- Slops management

Day 4: Michael Conway Nunn

Oil Movements – 4

- Transfer & handling
- Feedstock & product movement masterplanning

The subject matters listed in the above program are merely a summary of over 54 possible modules on offer. Course curriculum can vary from 3 to 5 days with the **Oil Movements** content being 70% to 100% and the **Product Quality** portion up to 30%.

Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class experience in the technology and hands-on know-how from operation of refinery units.

Contact Petrogenium.:

Email: training@petrogenium.com

Website: <https://www.petrogenium.com/training/>

Because Experience Matters