

API 580 – Risk Based Inspection (RBI)

Training Date: 12th – 16th Feb. 2012
Training Venue: Swiss-BelHotel Doha, Qatar

Training Time: 0730 – 1430 hours
Training Fee: USD3,500 per participant

COURSE OBJECTIVES

The course is based on API RP 580 Risk-Based Inspection and API Publication 581, Base Resource Document. The course first explains feasible means and alternatives for achieving a successful RBI program without undue complications. This course deals with RBI framework and methodology in a simple straight forward manner to establish and implement a risk-based inspection program best suited for the company objectives. Its utility is based on the premise that a few vital equipments in a process plant contribute a majority of the risk.

WHO SHOULD ATTEND?

Individuals who are responsible for implementing risk-based inspection programs within their own company or plant facility and mechanical integrity, equipment reliability, and inspection personnel who are responsible for maintaining the serviceability of process plant equipment based on a cost-effective inspection program. Maintenance personnel, operations supervisors, and process specialists who are expected to make decisions regarding the suitability of equipment for continued service.

COURSE PROGRAM

Day # 1

Introduction of Risk Based Inspection (RBI)
Definition & Acronyms
Basic Concepts of RBI
What is RBI?

Day # 2

Planning of the RBI Assessment
Data and Information collection for RBI
Deterioration mechanisms and Failure modes
Assessing POF

Day # 3

Assessing COF
Risk Determination
Risk Management Through Inspection
Other Risk Mitigation Activities

Day # 4

Re-assessment
Roles , Responsibilities & Training
RBI Documentation

Day # 5

Deterioration Mechanisms
Mock Up Examination

SELECTED CUSTOMERS

MALAKOFF
(24816-M)

HUNTSMAN

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TENAGA NASIONAL BERHAD
(10024-W)

قطر للبترول
Qatar Petroleum



BASF PETRONAS
CHEMICALS

DOLPHIN ENERGY
دولفين للطاقة

QAPCO
شركة قطر البتروليكيماويات
QATAR PETROCHEMICAL COMPANY

MALAYSIA LNG SDN. BHD.

UNIVERSITI TEKNOLOGI PETRONAS



GRACE
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ALSTOM



About the Course Instructor

Mr. K. Ravindran (ASNT ID NO: 141151), an extremely well experienced NDT level III with certifications in 11 methods including UT, RT, MT, PT, VT, ET, IR, LT,AE , NR & VA. He has an overall experience of 25 years in inspection field of castings, forgings, pressure vessels (Designing, fabrication inspection) and pipe lines inspection.

He is familiar in Destructive and Non-destructive inspection technique, as applicable to Welds, castings, forgings etc as well as inspection of raw materials with relevant specifications. He is thoroughly familiar with all the relevant applicable Codes and Standards for Non-destructive Testing and well versed in the documentation procedures.

Mr. Ravindran also has the AWS CWI (AWS – CWI Cert No 05071771) certification. He is thoroughly proficient in all welding techniques, procedures and WPQ verification and certification for all kinds of welding like SAW, SMAW, FCAW,GTAW, PAW etc for all positions Including 5G & 6G also.

He has have ten years experience in conducting training courses and classes all most in all methods of NDT for LEVEL I & LEVEL II & LEVEL III, welding technology and casting and foundry technology. He is a post Graduate in physics, Post Graduate Diploma in Radiation Protection by Bombay University BARC (INDIA).

He also have the following API's certifications such as; API 510 (Cert. No: 31918), API 653 (Cert. No: 32744), API 570 (Cert No: 33311), API 571 (Cert No: 20990), API 580 (Cert No: 35869), API 577 (Cert No: 35861), ISO 14001 - 2004 EMS Auditor (Cert. No. 06/03/863) and ISO 9000 - 2000 QMS Lead Auditor IRCA (Cert. No: 17120).

About CfPE Technology Solutions

The Center for Professional Enhancement Technology Solutions (known as CfPE Technology Solutions) is incorporated in July 2001 and began as a training and consulting company for power plant, oil & gas and petrochemical sectors in Malaysia. With a small team of experienced and dedicated engineers and multi skilled technical staff we have come a long way. From those humble beginnings, we have successfully grown and today we have achieved reorganization as a premier in organizing short training in Malaysia.

Our professional experience and excellent consulting strengths provide insights and understanding of the challenges facing the industries we serve. CfPE Technology Solutions aims to make a difference. The need for leading-edge training has intensified and is advancing beyond all expectation; it is the basis upon which performance can be measured in an increasingly competitive marketplace.

		Negligible	Marginal	Significant	Critical	Catastrophic	
Probability	5	R	U	I	I	I	Frequent
	4	R	R	U	I	I	Probable
	3	A	R	U	U	I	Occasional
	2	A	A	R	U	U	Remote
	1	A	A	A	R	R	Improbable
		1	2	3	4	5	Severity

Registration Form

Please Send Your Registration to:

Tel:	006.013.2082143	Fax:	006.09.6178443	E-mail	info@cfpets.com
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Course Details

Course Name:	API 580 – Risk Based Inspection	Course Date:	12 – 16 Feb. 2012
Course Fee:	USD 3,500.00 per participant	Venue:	Swiss-Belhotel Doha

Company Information

Organization	
Address	

HR / Training Manager

Invoice to be sent to

Name :		
Tel no.:		
Fax no.:		
E-mail :		

Participant Information

Participant # 1

Participant # 2

Participant # 3

Full Name :			
Job Title :			
Department :			
Telephone No. :			
Mobile No. :			
Fax No. :			
E-mail Address :			

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CFPE TECHNOLOGY SOLUTIONS

Lot 1196, Jalan Mawar 8, Taman Permint Jaya, 21080 Chendering, Kuala Terengganu, Terengganu, MALAYSIA.

Tel.: 006.013.2082143 Fax: 006.09.6178443

Website: www.cfpets.com Email: info@cfpets.com