

Cost Estimations for Decommissioning & Radioactive Waste Seminar



Increasing cost accuracy through contingency application,
risk reduction and global harmonisation

Thursday 17 – Friday 18 May 2012
Prospero House, London, UK

Seminar highlights include:

- Decommissioning costs and waste categorisation across different countries including the **UK** and **USA**
- The **Yellow Book** and applying a **work breakdown structure**
- Estimating the cost of **geological disposal**
- Cost effective alternative for **LLW management**
- A basis for building up cost estimation including **cost estimation terminology**
- Managing **uncertainties beyond project scope**
- **Contingency planning** at project and programme level including contingency funds

Your cost estimation expert lecturers include:

Tom LaGuardia
President
**LaGuardia &
Associates LLC**

Kevin Owens
*Cost Estimates
Project Manager*
**Project Time &
Cost**

Alastair Laird
International Director
**Project Time &
Cost**

Ciara Walsh
*Upstream
Optioneering
Manager*
NDA

Gene Wilson
*Group Technical
Director*
Augean Plc

Nicholas Clarke
Partner
**Gardiner &
Theobald LLP**

Chris Finch
*Senior Engineering
Manager*
NDA - RWMD

What past attendees have to say about previous IBC Energy Nuclear Courses...



The course, venue and facilities were first class, thoroughly enjoyable

A Brannan, Babcock Marine Devonport

Well run, very good. Content – good and varied range. Networking excellent

M Slater, BAE Systems



For the latest information and to register, visit:

www.ibcenergy.com/costestimation

or phone: +44 (0)20 7017 5518 Email: energycustserv@informa.com

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Increasing cost accuracy through contingency app

Designed to provide an in-depth look at estimating costs for decommissioning and radioactive waste, this two day seminar aims to bring transparency to the industry through key processes including:

- Outlining key global cost data
- Managing unforeseeable elements within and outside of project scope
- Ensuring adequate flexibility
- Understanding the work breakdown structure
- Minimising costing errors through efficient co-operation
- Analysing the factors influencing risk

Who should attend:

- Cost evaluations co-ordinator
- Cost engineer
- Head of strategy
- Partner
- Business manager
- Programme manager
- Technical lead/manager/officer
- Portfolio development manager
- Support services manager
- Decommissioning manager/officer
- Radioactive waste manager
- Plant co-ordinator

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There are a number of sponsorship opportunities associated with IBC Energy's Nuclear Events giving your organisation the chance to demonstrate your expertise, products and services in line with the training course objectives.

For further information or to discuss individual requirements, please contact **Lauren Wilcox** on **+44 (0)20 7017 7674** or e-mail **lauren.wilcox@informa.com**

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IBC Nuclear



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Day 1 – Thursday 17 May 2012

08.30 Registration and coffee



09.00

Breakfast briefing:

Examining the impact of different software programmes on cost estimation



09.20

Chairman's welcome and quick fire exchange

Take this opportunity to introduce yourself and learn about your peers. The course objectives will be outlined at the end of this session

Alastair Laird, *International Business Director, Project Time & Cost*



Examining the requirements behind cost estimations: assumptions, types and categories of costs

09.30

Exploring the basis for building up good cost estimations

- Overview of key global cost data
- Identifying key differences between countries
- Cost estimation terminology and its interpretation
- Applying a work breakdown structure

Alastair Laird, *International Business Director, Project Time & Cost*

10.15

Understanding the Yellow Book

- General concepts of the Yellow Book
- Basis of data in the Book
- How relevant is the Yellow Book?
- Should it be updated?

Tom LaGuardia, *President, LaGuardia & Associates LLC, USA*

10.45

Discussion session with course leaders on cost estimation basics and the Yellow Book

Your chance to ask questions and discuss specific issues raised during the sessions



11.00

Morning tea

Contingencies and uncertainties: covering unforeseeable elements

11.30

Assigning contingency at project and programme level

- Understanding the criteria for contingency calculations
- Unforeseeable elements within project scope
- Ensuring adequate flexibility including funding guarantees

Kevin Owens, *Cost Estimates Project Manager, Project Time & Cost*

12.15

Managing uncertainties beyond project scope

- Accounting for changes in project boundaries
- Unforeseeable elements outside of project scope
- Contract space – who holds the uncertainty
- Managing the uncertainties of a project including exchange rate and inflation

Kevin Owens, *Cost Estimates Project Manager, Project Time & Cost*

12.50

Discussion session with course leaders on contingencies and uncertainties

Your chance to ask questions and discuss specific issues raised during the sessions



13.00

Lunch

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14.00



Case Study: UK NDA

This case study will focus on the UK's costs of decommissioning and what is expected from the nuclear operator with regards to accurate costing. Ciara will outline the key factors of successfully estimating costs.
Ciara Walsh, *Upstream Optioneering Manager, Nuclear Decommissioning Authority*

15.00 Question & answer session

15.15 Afternoon tea

Risk management: analysis, calculations and liabilities

15.45 Risk analyses for estimating costs

- Examining the importance of risk analyses for costs
- Dealing with discrete risks
- Calculating risks and associated liabilities

16.30 Factors influencing risk assessments

- Exploring the risks associated with costing
- What are the main influencing factors
- The impact on risk and costs

17.15 Discussion session with course leaders on risk and risk assessment



Your chance to ask questions and discuss specific issues raised during the sessions

17.30 Chairman's closing remarks and end of day 1

Day 2 – Friday 18 May 2012

09.00 Morning tea

09.30 Chairman's opening remarks
Alastair Laird, *International Business Director, Project Time & Cost*

Understanding specific models for cost estimation

09.35 Estimating the cost of geological disposal in the UK

- What is to be disposed of?
- How could the waste be disposed of?
- What are the cost drivers?
- Cost estimation
- Cost Modelling

Nicholas Clarke, *Partner, Gardiner & Theobald LLP* & **Chris Finch**, *Senior Engineering Manager, NDA - RWMD*

10.15 Opening a cost effective alternative for low activity LLW management

- NDA strategy
 - recognition of need for commercial capacity
 - Challenges around estimating costs of liabilities
 - Supply chain delivery
- Augean approach
 - Infrastructure investment – model against future market
 - Delivery process – the costs of planning
 - New capacity, new economics
- Future
 - Available capacity
 - New commercial proposition
 - Ability to plan and estimate costs of decommissioning

Gene Wilson, *Group Technical Director, Augean plc*

11.00 Morning tea

11.30 Cost controls and the Earned Value Management Systems (EVMS)

- Accurate cost and schedule estimates are a necessary part of any project
- At the same time, tracking those costs against a fixed budget is equally important to know when the project is getting into trouble
- The Earned Value Management System (EVMS) provides a mechanism for identifying potential problem areas and taking affirmative action to correct them
- The EVMS relies upon the parameters of Budgeted Cost of Work Scheduled, Budgeted Cost of Work Planned, and Actual Cost of Work Performed
- It uses Variance Analyses to measure the performance of contracted work
- The EVMS is widely used internationally, and is growing in application for large projects

Tom LaGuardia, *President, LaGuardia & Associates LLC*

12.10 Case study: USA



The USA is generally considered as being at the forefront of cost estimation for decommissioning & radioactive waste projects. This case study will explore how costs are estimated for several decommissioning projects across the USA including managing risks and uncertainties

Tom LaGuardia, *President, LaGuardia & Associates LLC*

12.50 Discussion session with course leaders on morning topics



Your chance to ask questions and discuss specific issues raised during the sessions

13.00 Lunch

WORKSHOP: Practical application of cost estimates and workforce training

14.00 Cost Estimation Practical Workshop Applying knowledge to practical case studies



This workshop will allow you to apply the knowledge you have gained during the seminar and apply it to a real life cost estimation scenario. This workshop is designed to test your knowledge and help you in your role

Alastair Laird, *International Business Director, Project Time & Cost*

15.30 Training your workforce to deal with costs

- Ensuring your workforce understand costs
- Minimising errors and risks through efficient co-operation
- Reviewing changes in operations and their impact on costs

16.15 Discussion session with course leaders on Workshop and workforce



Your chance to ask questions and discuss specific issues raised during the sessions

16.30 Chairman's closing remarks, end of Seminar and afternoon tea

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VIP CODE:

FKA2268SCWL

En/nm/td/nw/ah/tr

Event Code
FKA2268



Plan your costings:
strategies to deal
with uncertainty
beyond project
boundaries

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SE1 1GA
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|--|-----------------------------------|--|--|--|
| FKA2268 Cost Estimation for Decommissioning & Radioactive Waste | 17 – 18 May 2012 | <input type="checkbox"/> £1199 (+20%VAT) = £1438.80 SAVE £200 | <input type="checkbox"/> £1299 (+20%VAT) = £1558.80 SAVE £100 | <input type="checkbox"/> £1399 (+20%VAT) = £1678.80 |

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We are happy to accept a replacement delegate for the whole event, however, delegate passes cannot be split or shared between delegates under any circumstances.

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I am unable to attend but please reserve me _____ set(s) of the Course Documentation @ £399

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