

# 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](http://www.ibcenergy.com/costestimation)

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# Increasing cost accuracy through contingency ap

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

## IBC Nuclear Events Promotional Opportunities

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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# Application, risk reduction and global harmonisation

## 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

For the latest information and to register, visit:

[www.ibcenergy.com/costestimation](http://www.ibcenergy.com/costestimation)

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## VIP CODE:

FKA2268SCWL

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Event Code  
FKA2268

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

### STEP 1: SELECT YOUR PACKAGE (please tick option)

	DATES	REGISTER BY 02 March 2012	REGISTER BY 20 April 2012	REGISTER AFTER 20 April 2012
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**£200 discount available for 3<sup>rd</sup> and subsequent delegates from the same company**

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241 Borough High Street  
London  
SE1 1GA

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