

CTI Consultants Pty Ltd

Materials and Environmental Investigations

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Responsible Person for Responsible Person for Industrial Lead Paint Management

Presented by

Fred Salome

B.Sc. (Hon.), ACA Corrosion Technologist
NACE Certified Coating Inspector (Marine)
NACE Protective Coating Specialist

A Training Course for people dealing with the management of lead paint

**This course has received Australian Paint Approval Scheme endorsement
for PCCP Class 5 Accreditation**

HAZARDS FROM LEAD IN PAINT

Lead is a substance that is toxic to humans and has no known beneficial biological function. Clinical lead poisoning has long been known to medicine, and lead is now recognised to have a detrimental effect on IQ, neuro-motor functions and behaviour, especially in children, even at low levels in the body. As our knowledge increases, the acceptable limit for lead in humans is constantly being lowered. Stricter controls on the release of lead to the environment are being promulgated via regulatory authorities.

Lead has been used in many industries and has become widely dispersed in our environment, especially in cities from motor vehicle emissions. Although lead is no longer used in new paint, its presence in old paints remains one of the main sources of lead pollution and lead poisoning in Australia.

Residual lead paint on industrial and civil structures is a potential source of environmental pollution, and lead paint in old buildings and dwellings is one of the most common sources of elevated blood-lead levels in children.

WHOSE PROBLEM IS IT?

For industrial or civil structures, disturbance of old lead paint usually results from planned maintenance of the structures as a part of asset management. Such maintenance painting is most commonly carried out by specialised contractors, with an increasing tendency on the part of the asset managers to require Class 5 accreditation under the Painting Contractor Certification Program (PCCP).

TARGET GROUPS

- Industrial Painting Contractors (owners, project managers, supervisors, leading hands)
- Asset management, asset engineers
- Industrial maintenance engineers and supervisors

Directors:

Fred Salome, B.Sc. (Hon.), ACA Corrosion Technologist
NACE Protective Coating Specialist

Carol Bodle, B.Med.Sc. (Hon.),
M.App.Sc. (OH&S), Grad.Dip.Occ.Hyg.
~ Environmental & Occupational Health ~

Associates:

Bill McEwan, Dip.App.Chem; Dip. Met
~ Corrosion & Metallurgy (Tas.) ~

Don Bartlett, FRMIT (Chem Eng)
ARMIT (App Chem) ARACI MIE (Aust) CP Eng
~ Coatings & Corrosion (Vic.) ~

Consultants:

David Stütt, PhD, B.Sc. (Hon.)
ARACI, ~ Material Science ~

Certified Coatings Inspectors:
Robert Sutcliffe NACE Certified
Fred Salome NACE Certified (Marine)

COURSE STRUCTURE

CTI Consultants Pty Ltd have developed this program to cater for the growing need within the maintenance painting industry for high level information and training in the management of lead paint.

This training program is designed to provide a sound *knowledge* base and explicit *guidance* mainly for those dealing with lead paint in industrial settings, at all levels of organisation. It also provides guidance and skills for those dealing with the management of lead paint in residential and commercial buildings.

The entire program consists of six separate units, and runs over two full days. Each unit consists of a blend of formal lectures and hands-on work-shops. All relevant skills required for designing or supervising a lead paint management project are taught and demonstrated during the course of the program.

COMPETENCY ASSESSMENT

Participants are assessed by two 30-minute exams, one after the first three units, with another after the final three units. A certificate will be issued to all successful participants.

BENEFITS

Participants will acquire the necessary skills, knowledge and training to qualify as a “Responsible Person for Industrial Lead Paint Management”, as defined in Australian Standard AS 4361.1 *Guidelines to Lead Paint management, Part 1: Industrial applications*, and to meet the corresponding training requirements for the Class 5 accreditation under the PCCP scheme.

COURSE CONTENT

Unit 1, which reviews the health effects of lead and introduces the main issues, acts as an introduction for the remainder of the course.

Participants will learn why lead is hazardous, and its effects on humans, in particular to children and to workers. Basic pathways for lead into the body are described, and an introduction is provided to medical monitoring of lead exposures and common symptoms of low-level lead poisoning.

Legislation covering environmental issues, worker protection and waste disposal will be introduced.

Units 2, 3 and 4 provide detailed training in lead paint management, including identification of lead paint, assessment of paint condition, OH&S requirements for lead paint management and a full coverage of waste management.

These units also address methods for preparing or removing lead paint in residential and commercial buildings, the methods for containment of dust and project clearance. The impact of lead paint activities on soil and dust in and around occupied buildings, and the assessment of and management of soil and dust are discussed.

The contents of Units 1 to 4 are of direct relevance to all those involved in lead paint management, whether in residential and commercial settings or for industrial applications, since the majority of the issues covered there-in are common to all lead paint management projects.

Units 5 and 6 deal with matters specifically relevant to industrial LPM, covering maintenance strategies, carrying out a simplified risk assessment, setting emission control levels, large scale containment considerations and establishing environmental monitoring programs.

A workshop exercise of a typical project is used to develop these skills.

REGISTRATION FEES

The registration fee for the course is currently set at \$950 per person (plus GST). This includes a course manual written by the Fred Salome and Professor Brian Gulson of Macquarie University. Morning tea and lunch are also provided.

ABOUT THE PRESENTER

Fred Salome is an industrial chemist with wide experience in assessing structures and dwellings for the presence of lead in paint, and in advising on how to best manage it. He has been involved since 1993 in writing specifications and carrying out environmental monitoring for numerous lead paint removal projects, involving both industrial projects and commercial buildings.

Fred acts as a consultant to a range of government organisations including the NSW RTA, Sydney Water Corporation, NSW Railcorp and various councils. Fred is the current Chairman of the Standards Australia sub-committees CH/3/10 – “Site Testing of Protective Coatings” and CH/3/11 “Lead Paint Management”, and was a member of the panel of experts advising the Commonwealth EPA on its Lead Paint information campaign.

CTI Consultants has developed training courses on managing lead paint for a range of public and private clients and Fred Salome has participated on industry bodies including the LEAD Group, NSW Lead Task Force Lead-in-Paint Working Group, the CEPA panel of experts on lead in paint and two NSW RTA Value Management Studies for de-leading bridges.