

Foundries Industry Advisory Committee

Minutes of the 11th Meeting of the Foundries Industry Advisory Committee held on Wednesday 11th February 2009 at Cast Metals Federation, National Metalforming Centre, 47 Birmingham Road, West Bromwich, West Midlands B70 6PY

Present	Representing
Mr D Bartlett	W H Rowe
Mr D de Courcy	CMF
Mr J Easton	Unite
Mr K Gilroy	Doncaster Group
Mr B Hudspith	Unite
Mr J McAlinden	HSE – Carcinogens Programme
Mr C Mills	CTI
Mr G Morley	CTI
Mr S Nicholas	Saint-Gobain Pipelines
Mr D Oddy	Federal Mogul
Ms T Oliva	HSE - Minute Secretary
Mr J Parker	Cast Metals Federation
Mr M Shenton	James W Shenton Ltd
Dr P Smith	HSE – Chair

Apologies	Representing
Mrs N Day	HSL
Mrs P Murrell	ICME
Mr N Talbot	Terrill Bros (Founders) Ltd
Mr R Turley	Roger Turley Engineering Consultancy

Number	Item	Details	Action
Item 1 – Introductions and apologies			
1.	Introductions	The Chair welcomed David de Courcy (Cast Metals Federation) and Tracey Oliva from HSE as the new minutes secretary.	
	Apologies	Apologies were received from Nina Day who was due to give a presentation on Securing Goods Safely.	
	Community web-site	The Chair asked the committee to consider if they would like a community website for FIAC. The committee agreed.	
Action points	1.a	o Community website to be created	Tracey
Item 2 - Minutes of last meeting and matters arising (<i>15th October 2008 minutes - agreed as a true record of proceedings</i>).			
Silica update – Health Surveillance		<p>The Chair conveyed to the committee an update provided by John Osman on the Silica Working Group:</p> <ul style="list-style-type: none"> We can understand the wish of industry to establish further Health Surveillance (HS) arrangements as soon as possible because of commitments to the SDA, but also because in certain circumstances it is an existing requirement under COSHH. HSE will continue with its proposal to seek a sound scientific basis for the components and nature of HS for silica-exposed workers where this is appropriate under COSHH. It needs this information to reach its own conclusions on the form HS should take where it is appropriate. We are in the process of commissioning HSL colleagues to provide this information, and anticipate that their report will be ready in July 2009. When HSE has formed a view of what it deems appropriate it will convey that to the industry but then, as now, it will be for industry to make its own decisions as to the form of HS it implements. We will continue to explore with industry how data collected in HS can be used in future to both refine HS procedures and contribute to further epidemiological assessment of the risks associated with silica. <p>Mr Parker raised with the committee the inconsistent advice received by one of his member companies where an HSE inspector had advised a duty holder to send employees exposed to silica for chest x-rays.</p>	
Action Points	2a	John Osman to report to FIAC on progress later in the year	John Osman
	2b	The Chair to investigate the advice given internally	Chair
	2c	Committee members to make Mr Parker aware of any further examples of inconsistent advice	All

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	EMF Directive	<p>John Parker had not yet discussed with SHIFT how they would take this issue forward. Kevin Gilroy reported that they had contracted some testing to be carried out as they had an employee with a pacemaker. They are looking at the results and will share these with SHIFT so that a matrix for processes, machines and exposure can be drawn up.</p> <p>Action 2b: Kevin Gilroy to share results with SHIFT</p> <p>Action 2c: SHIFT to outline how they will take forward issue</p>	<p>Actions discharged - On agenda Item 4</p>
	RIDDOR statistics	<p>Claire produced the incidence data for foundries and had added this to her original presentation. Copies were available at the meeting and will be circulated to members via email.</p> <p>HSEs latest accident statistics will be available on 29 October and will be used to produce an update on accident data for the next meeting.</p> <p>Action 2d: Claire to present latest accident data on foundries</p>	<p>Action discharged - On agenda Item 9</p>
	CTI data	<p>The report on the analysis of the CTI data has now been cleared and will be published via the HSE website. CTI had requested some amendments which HSE had now actioned.</p> <p>Foundries need to be more alert to exposure levels and it was hoped that HSEs current work on LEV project would help raise some awareness.</p> <p>John McAlinden requested access to the original CTI data to try to identify which foundry processes involved employees were wearing PPE.</p> <p>Action 2e. Glyn Morley and Chris Mills to look at data again to identify which process involved</p>	<p>On agenda Item 10</p>
		<p>Action 2f. Claire to send link to members when report published on HSE website</p> <p>Update: link to report circulated with agenda</p>	<p>Action discharged</p>
	LEV project	<p>Members discussed how HSE could target those premises that were not using LEV or not using it effectively.</p> <p>HSE will present the results of the LEV project to show how effective the use of LEV is. They would also be targeting the supply side so that better product information is available to buyers.</p> <p>Some foundries have LEV but may have been ill informed on adequacy of installations in controlling the risk. An HSE workshop for sellers and buyers would tackle this issue.</p> <p>Action 2g: John McAlinden to send out an overview of what HSE is doing on planned LEV work</p> <p>Update: Information has been circulated and will be placed on the FIAC community site</p> <p>Action 2h: Claire to circulate interim results from the LEV project.</p> <p>Update: The Chair provided the committee with a summary of the interim findings.</p>	<p>Actions discharged</p>

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	LEV Project Update	<ul style="list-style-type: none"> • 17 sites visited <p>Design and installation</p> <ul style="list-style-type: none"> • Inadequate COSHH assessments • Over reliance on the use of H&S consultants • Problems with design • Personal monitoring records show exposure for FFP and silica controlled below WEL, however conditions in factory led to a different conclusion • NO LEV – only RPE • Floor needs better dust control <p>Managing LEV</p> <ul style="list-style-type: none"> • Defects in trunking • Some bags need changing • Not examined by a competent person • No records of service and thorough examination <p>Use of LEV</p> <ul style="list-style-type: none"> • Capture hoods not positioned close enough to exposure • LEV not always used • RPE not always worn <p>Other</p> <ul style="list-style-type: none"> • Sweeping identified as big source of contamination • Health surveillance not in line with current guidance <p>There followed a discussion on the variances to standards that committee members were aware of in LEV systems. Mr Hudspith felt that the interim findings, <i>failure to use, failure to maintain</i> gave the LEV project strong justification and highlighted to the committee the training Unite would be providing to Safety Representatives after Easter 2009.</p>	
Action Points	2d	<ul style="list-style-type: none"> ○ HSE will provide an update of the project at the end of the work year relating to foundries. 	Tracey
	2e	<ul style="list-style-type: none"> ○ HSE to obtain a list of the 17 sites visited to establish if they are members of the CMF. 	Tracey
	2f	<ul style="list-style-type: none"> ○ Findings to be summarised and the use of engineering controls to be promoted to industry via SHIFT. 	Chair / John Parker

Number	Item	Details	Action
	Lung cancer and exposure to FFP in steel foundry workers	<p>John Osman reported that HSE wants information on the number of work related cancers so that resource can be directed appropriately.</p> <p>There is a need to know what type of cancer is occurring and how exposures are occurring. HSE Research Report 595 'Burden of occupational cancer in GB' provides some of this information. Although research had been done in other countries we needed to concentrate on what happens in GB.</p> <p>Approximately 4% of reported cancers are due to workplace exposure. In 2004, there were 26 cases of cancer reported from 3,700 working in the GB foundry industry. Evidence is required to make decisions rather than pressure from other sources. There was still some difficulty detecting the cause of cancer as in some cases this may be confounded by smoking. Cases of occupational cancer detected today will be due to workplace exposures 30-40 years ago.</p> <p>HSE hoped that by 2009 they should be able to estimate what the current exposure level is and where action needs to be focused to prevent future cases.</p>	
		<p>Action 3a: Dr John Osman to attend next meeting to discuss these outcomes further.</p> <p>Update: Action deferred</p>	John Osman
		<p>Action 3b: CMF was asked to explore further research on geographical factors on cancer results i.e. does living in a rural area rather than a city affect incidence exposure?</p> <p>Update: Mr Parker raised the issue at regional meetings. As cancer is a long latency disease and its development could occur after an employee has retired, it would be challenging to record and most foundries do not have information available relating exposures to cancer in ex-employees.</p>	Action discharged
	'Look after your Lungs' Presentation – Eileen Street	<p>The Roy Castle Lung Foundation is the only UK charity wholly dedicated to defeating lung cancer. Working closely with the Department of Health, their 'Look after your lungs' programme aims to target high-risk manual workers through their workplace 'stop smoking' groups. These link to local health initiatives and general health and wellbeing messages.</p> <p>Eileen was interested in finding cost benefit analysis data to show employers the benefits of helping workers stop smoking. This could be expressed as days lost to smoking-related ill health.</p> <p>Eileen invited organisations to work with them to promote their stop smoking and health messages.</p>	
		<p>Action 4a. John Parker to ask CMF members if they have any cost-benefit data available. SHIFT will also communicate the message to members.</p> <p>Update: Mr Parker reported that member companies do not record smoking-related days lost.</p>	Action discharged
		<p>Action 4b. FIAC agenda item for February – explore joint working on healthy lungs project</p>	On-agenda Item 6

Number	Item	Details	Action
Foundry Monitoring – site visit protocol		<p>John McAlinden tabled the site visit protocol that had been circulated to members before the meeting. It explained why and how monitoring would be carried out.</p> <p>The committee requested an amendment to the protocol, which advised volunteers that any urine samples taken would be destroyed after testing.</p> <p>The aim is to visit 3 CMF foundry members where the exposure risk to benzene and aromatic amines will be targeted. John Parker will supply a list of foundries, which includes those who completed the azo dye survey last November.</p> <p>HSE confirmed that all volunteers would be given the protocol to read before agreeing to biological monitoring. They will also have access to a health physician if they wish. Anonymous results of the biological monitoring would be reported back to FIAC.</p>	
		<p>Action 5a. John McAlinden to amend protocol to confirm urine samples are destroyed after testing. Update: John McAlinden confirmed that urine samples are destroyed after testing.</p>	Action discharged
		<p>Action 5b. Andrew Easterbrook to provide details of the aluminium foundry process that produced benzene exposures. Update: Glyn Morley and John Parker provided Andrew Easterbrook with some pointers towards which processes cause the production of benzene.</p> <ul style="list-style-type: none"> o Mr Easterbrook will be invited to update FIAC later in the year. 	Tracey
Development of cancer WebPages		<p>HSEs Disease Reduction Programme (DRP) is developing new WebPages that provide information and guidance on work related cancer issues. The pages are due to be launched in spring 2009 via the HSE website.</p> <p>Members were invited to supply studies demonstrating cases of high exposure risks and how these have been reduced.</p> <p>Action 9a. John Parker to ask CMF members for suitable case studies Update: Action deferred</p>	John Parker
AOB – Molten Metal Safety Alert		<p>Members were invited to alert their industries to this issue. A draft safety alert was circulated for comment.</p> <p>Action 11a. Members to send comments to Phil Smith by 10 November 2008</p>	On agenda Item 7

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Item 3 – Formaldehyde (Update from ACTS 11 November 2008)			
3.	Formaldehyde (Update from ACTS 11/11/08)	Mr Hudspith provided the committee with an overview of the partially closed ‘European Commissions 3rd directive on indicative occupational exposure limit values’ paper (HSE/08/82) A full consultation exercise of interested parties will be conducted once the Directive is adopted, proposing that the indicative occupational exposure limit values (IOELVs) be transposed into GB work exposure limits (WELs), except where the GB limit is already more stringent. It is planned to consult the Advisory Committee on Toxic Substances prior to submitting the draft Consultation Document to the Board.	
Action point	3.1	○ Committee to be advised when the consultation document is available	Chair
	3.2	○ Paper to be placed on the Community Site	Tracey
Item 4 – SHIFT working group on electromagnetic fields (EMF)			
4.	SHIFT – EMF working group	Originally, a working group was to be established with members possessing the capabilities to measure EMF in-house. This has not been possible. Kevin Gilroy reported their premises had contracted an external consultant to complete a full site assessment of electromagnetic fields. A copy of the full report was passed to David de Courcy prior to the meeting. The report showed that EMF levels were high, and in some cases over the WEL at the furnace control panels. (Above the WEL after a 2-hour period). It also showed that there were no variations in readings between older (pre-1995) and new furnaces. SHIFT will continue with this research aiming to monitor a small number of foundries, possibly using external consultants. John Parker to report on progress to FIAC	John Parker
Item 5 – Carcinogens programme			
5.	HSEs carcinogens programme	John McAlinden provided the meeting with an update on HSEs carcinogens programme: <ul style="list-style-type: none"> • The Disease Reduction Programme (DRP) officially ends in March 2009, which means certain workstreams, such as dermatitis and asthma are expected to end. • There is an expectation that long latency disease workstreams, such as cancer and chronic obstructive pulmonary disease (COPD) will continue. • Prioritisation process now underway for cancer and respiratory disease – expectation that Foundry work will be a priority area • HSE to visit 5 Foundries to sample and monitor for worker exposures to benzene and aromatic amines • HSE to visit 2 Foundries identified as users of liquid dye penetrants containing azo dyes 	

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5.	HSEs carcinogens programme (continued)	<p>John McAlinden thanked the committee for the CTI dataset and asked if this could be sent to the Cancer Project Epidemiology team at Imperial College for analysis?</p> <p>John also made the committee aware of a potential joint HSE/CMF study of Occupational Hygiene Risk assessment for Foundries during 2010/11 and asked members if a small working group could be convened during the summer to discuss requirements.</p>	
Action points	5.1	Committee members to respond to CTI regarding to Johns request to forward the CTI dataset to the Cancer Project Epidemiology team; CTI to reply to John McAlinden	All/CTI
	5.2	HSE/CMF study of Occupational Hygiene Risk - Volunteers to the Chair and John McAlinden by the end of March 2009	All
	5.3	Working group to be convened	John McAlinden
Item 6 – FIAC to explore joint working in healthy lungs project			
6.	Joint working in healthy lungs project	<p>Following on from Eileen Streets presentation at the October meeting members of the committee met to discuss how this issue could be taken forward in their industry. The committee felt that although figures suggest 15% of COPD is work related and 85% is smoking related, it is not clear to health and safety professionals to what extent changes, other than those required by the law, could be implemented in the workplace to reduce exposure to nicotine.</p> <p>It was agreed that the information provided by Eileen and the help available to assist employees to stop smoking would be cascaded to the industry by CMF.</p>	Discharged
Item 7 – Safety Alerts			
7.	Molten metals explosion	The safety alert, which was circulated to committee members prior to the meeting, is available on the HSE website in English, Portuguese and Polish.	Discharged
	HSE response to Unite	<p>Background – following 2-fatal incidents in the paper industry involving hand fed platen machines, Unite wrote to the HSE Chair asking for a review of the issue of issuing safety alerts and their effect on legal proceedings.</p> <p>The board are still debating the release and content of safety alerts.</p> <p>As part of this review, it is expected that a ‘Safety Alert’ page will be created on the HSE website and interested parties will be able to ‘sign-up’ to an alert system.</p> <p>When serious incidents occur messages can be disseminated quickly to industry through the relevant trade body/unions.</p>	Discharged

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7.	Load security on curtain sided lorries RR662	<p>A full version of Research Report 662 can be found on on the HSE website at: http://www.hse.gov.uk/research/rrpdf/rr662.pdf</p> <p>Main findings:</p> <ul style="list-style-type: none"> • Loads should be secured to the trailer bed during transport • Load restraint is not the same as load containment • Load should be placed against the head board (any gap filled) • Friction alone should not be used as a method of restraint • Strapping is not a one size fits all solution • Communication is key between loaders, drivers and unloaders • Assess the risks, develop a loading plan <p>The Chair asked the committee if any industry-specific guidance summarising the findings should be developed? The consensus was guidance would be appropriate however committee members were keen to keep this short</p>	
Action Point	7.1	<ul style="list-style-type: none"> ○ Chair to investigate if the recently produced WPT guidance would be suitable as a template for the foundry industry 	Chair
Item 8 – Securing Goods Safely – update on research			
8.	RR662 – Load security on curtain sided lorries	Apologies were received from Nina Day	
Action point	8.1	<ul style="list-style-type: none"> ○ Nina Day to be invited to present at the next meeting 	Tracey
Item 9 – HSE latest foundry accident statistics			
9.	RIDDOR statistics 2007/08p	<p>Tracey Oliva provided the meeting with an overview of the molten metal industry statistics over an eight-year reporting period.</p> <p>Since 2000/01 the industry has seen a 56% reduction in the number of reportable incidents and a 33% decrease in the number employed (RIDDOR / ONS data)</p> <p>The main causes of incidents in the industry are:</p> <ul style="list-style-type: none"> • Handling • Slip or trip • Hit by moving / falling object 	

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Action point	9.1	<ul style="list-style-type: none"> o HSE approval to be sought for external release of molten metal statistics 	Tracey
Item 10 – HSL RR677 ‘Analysis of CTI foundry dataset’			
10.	RR677 ‘Analysis of CTI foundry dataset’	<p>The Chair asked the committee if there were any matters arising from RR677?</p> <p>Glyn Morley felt that due to the way in which the vanadium pentoxide figures have been extrapolated there may be some errors with the data but this would need to be looked at in more detail. Overall, the findings were no surprise to committee members and although there are some issues in the industry, many of the results were below the work exposure limits.</p> <p>Over a forty-year period, levels of silica and dust which employees are exposure to have been reduced.</p>	Discharged
Item 11 - AOB			
11.	RPE project	The Chair made the committee aware of an RPE study, focusing on behavioural issues, which is seeking participation from industry.	
Action point	11.1	CMF members to be contacted to seek volunteers	John Parker
	HSE strategy	The Chair made the committee aware of the current consultation on the recently launched HSE Strategy, due to close early March.	
Action point	11.2	If you wish to take part in the consultation, visit the HSE website .	All
	11.3	The Chair is currently developing an engagement strategy for FIAC, once developed this will be shared with committee members.	Chair
Item 12 – Date and location of the next meeting			
HSE Office Birmingham, 10:30 – 30 September 2009			