

In the Chair:	Simon Jones Lee Cain (Vice-Chair)	Keller Keltbray
In attendance:	Robert Speakman (RS) Phil Hines (PH) Rob Gold (RG) John Christie (JC) Daniel Hatcher (DH) Philip Matthews (PM) Colin Newman (CN) Peter Kerr (PK) Matthew Smith (MS) Pat McKay (PMckay) Adrian O'Rourke (AOR) Stephen Daniels (SD) Michael Keaveny (MK) Tomas Keaveny (TK) Martin Lawson (ML) Malcolm Furniss (MF) Brian Kellaheer (BK) Liam O'Meara (LOM) Matthew Ovens (MO) Desmond Hanrahan (DHan) Ellen Barrett (EB) Hugh Sloan (HS) Paul Smith (PS_ Chris Howell (CH) Nick Dewey (ND) Gary Levers (GL)	Aarsleff Bachy Soletanche Bachy Soletanche BAM Ritchie Bauer Technologies Cementation Skanska Central Piling Dawson WAM Expanded FK Lowry FK Lowry Foundation Piling Foundation Piling Foundation Piling Franki Foundations GSS Piling Keller Keltbray Laing O'Rourke Murphy Murphy RBL RBL Rock & Alluvium Rock & Alluvium Van Elle
Present:	Ciaran Jennings (CJ) Isabel Jennings (IJ) Melissa Bramley (MB)	FPS Secretariat FPS Secretariat FPS Secretariat

No.	Topic	
1.	Welcome from the Chair and Vice Chair	
2.	Approval of the Minutes of the meeting held on the 12th November 2020 The minutes were approved by the Chair.	
3.	Matters Arising i) PSSSTS Course: CJ stated there remains an issue with the ability to train individuals to deliver the course (which has not been delivered for the past two years), and the course will remain dormant unless there is a great need expressed by the	

	<p>FPS Members. CJ urged those who found their qualification was in need of renewal to attend an SSSTS course instead.</p> <p>ii) Fatigue Science</p> <p>CJ stated the report was expected to be produced in June, due to additional data collection requirements. CJ stated if individuals would like to purchase Readibands, via Fatigue Science, to monitor sleep and activity of operatives, to express interest to him directly.</p> <p>iii) USAG – Utility Strike Avoidance Group</p> <p>The Chair noted the Charter was shared at the Quarterly Meeting and it was not felt it would be appropriate for the FPS to sign up to the Charter as a whole, and it should be Clients to sign up directly if they wished.</p> <p>RS said he would feed this decision back to the Working Group he was a Member of, with the BDA, and AGS.</p> <p>iv) Reinforcement Suppliers Audit</p> <p>CJ updated the group to state it had been decided Reinforcement Suppliers should be audited annually, in response to ongoing issues in relation to the safe preparation of loading and manufacture of cages, for example to things like tools being left in cages and welds not being marked properly, whilst at the same time reducing costs on members by sharing the load of auditing suppliers, providing a cost saving by the Reinforcement Suppliers than being audited as a whole.</p> <p>CJ said the initial audit would take place remotely due to COVID and then repeated annually, with suppliers becoming Members of an audited suppliers list of companies who the FPS believe to be Quality Suppliers as they have undergone an FPS independent audit. CJ mentioned the first audit will have take place by May 2021.</p> <p>v) Rigging & De-rigging Training & Assessment</p> <p>In Colin Williams absence (CW joined the meeting later), CJ mentioned two fatalities which had occurred in the last quarter, one of which took place in a rigging / derigging exercise, where the operator had been operating a larger machine of the same make and had mistaken the load capacity of the machine.</p> <p>CJ wondered how FPS Members were ensuring competence of Rig Operators across loading limits of various equipment. The Chair wondered if familiarisation training took place and whether this would actively demonstrate the level of competency required.</p> <p>A discussion ensued on ways to ensure levels of competence with the variety of lifting capabilities and variants based on the machine. In reference to the incident that occurred, GL urged everyone to document any familiarisation training that occurs.</p> <p>vi) Meetings of the Group – post COVID</p> <p>CJ asked the committee how they wished meetings to take place following the pandemic. The general consensus was a mixture of virtual and physical meetings, alternating between London and Derby.</p> <p>Action: FPS Secretariat to undertake a survey of Members</p> <p>vii) Quarterly Meeting update</p> <p>PH shared a key part of the discussion at the Quarterly Meeting in February, centered on the Accident Statistics during which he had challenged the MD's to input how to demonstrate a positive move in industry standards, and how the FPS could be addressing further incidents. PH also stated with a number of initiatives at implementation stage, the Safety, Plant & Operations Committee needed to be considering the next challenges to address within the group.</p>	<p>FPS Secretariat</p>
<p>4.</p>	<p>Discussion on pre meeting questions about the future group activity</p> <p>The Chair noted the following questions had been posed to the Group in advance:</p>	

	<ul style="list-style-type: none"> Who should be attending these events to represent their business, have organisation structures changed - Do we have the right people in the room? Who is missing? What, by making resource available to participate in these meetings, are their organisations expecting the Safety, Plant and Operations group to achieve in 2021? <p>FK Lowry confirmed Alistair Revie, Pat McKay, and Adrian O'Rourke would attend meetings.</p> <p>Nick Dewey – new H & S Advisor, who should be included in the meetings going forward.</p> <p>CJ stated the original brief was to have three representatives in the wider distribution list to cover the Plant, Operations and Safety briefs, and the aim had been to recruit in a mix of operational safety and plant individuals to provide a holistic approach, and it was not the expectation that all three representatives should attend every meeting but one representative from each organisation to disseminate information back internally within their business.</p> <p>RS suggested the FPS Secretariat to look at the roles of those who are on the call.</p> <p>Action: FPS Secretariat to review the roles of those in attendance.</p> <p>Most attendees stated they had representatives from each area of their business and would always have at least one person from each who attend.</p> <p>P McKay wondered if representatives from the Suppliers from Plant Manufacturers, and felt it was important that they were part of the call.</p> <p>CJ confirmed Plant Manufacturers were invited to the meeting and felt there was an action on the FPS Secretariat to re-engage with Suppliers.</p> <p>The Chair asked what are aims of the group were, and whether the agenda indicated the correct areas of focus.</p> <p>P McKay stated the evolution of Technology should be given some consideration be giving going forward, in terms of training.</p> <p>It was agreed innovation and technology should be added to the agenda on a quarterly basis.</p> <p>Action: FPS Secretariat to add Innovation & Technology to future meeting Agendas</p> <p>Colin Newman from Central Piling asked for Mental Health issues to be added to the agenda, seconded by Dan Hatcher who suggested synchronised campaigns on mental health, or environmental issues, to provide consistency across piling companies.</p> <p>CJ stated there had been campaigns in the past, for example "Don't go out on a limb".</p>	<p>FPS Secretariat</p> <p>FPS Secretariat</p>
5.	<p>Plant Sub-Groups</p> <p>i) Restricted Zones</p> <p>The Chair stated the documentation had now been uploaded to the website, and was visible to all clients, but stated the document always remained open to updates, including the provision of updated photographs supplied by FPS Members.</p> <p>ii) Concrete Pumps</p> <p>The Chair said an update to the document currently on the FPS website had taken place, and there were a further three documents intended as brief photo guides to aide clients to understand the process they should be seeing when dealing with obstructions, when cleaning rigs and the pipe runs.</p> <p>The Chair noted some compromises may be required and organisations may have subtleties and urged for comments and red flags on any actions within the proposed processes that could not be tolerated.</p> <p>Action: FPS Secretariat to circulate the documents following the meeting</p>	<p>FPS Secretariat</p>

	<p>iii) Rig Operator Training</p> <p>In CW's absence CJ updated to say there were two rig simulators in operation at HS2 and the intention was these would be opened up for use by FPS Members in due course.</p> <p>CJ said the aim had been to formalise the training of rig operators and to avoid the issue of the legal implications of having trainees on site. CJ stated the training would incorporate simulator training and the CPCS training card that would allow a trainee to be on site legally with an experienced trainer standing near them.</p> <p>CW had drafted a standard for the Simulator Standard which was deemed to be operable, and the next stage was that a paper was to be submitted to CPCS for the Rig Trainee Card, with PH, CW and CJ working on, before this is presented to the CPCS for their input. CJ stated it was hoped the paper would be completed for the 8th March, and the quickest he felt the card will be approved in the next three months, to be seen mid-year.</p> <p>WBI asked if the card would be directly related to the simulators, and would any simulator be suited to this qualification. CJ confirmed the make of the simulator would not be specified.</p> <p>iv) Mechanised Tool Handling</p> <p>CJ said this was around the commitment to automate whether practicable, e.g., rods and auger catches and felt this could be removed from the agenda, unless there was a desire within the group to look at areas that could be mechanised where there is the ability to avoid hand and finger injuries for example, when something could have taken place mechanically. CJ said the commitment within the FPS had been to do so.</p> <p>HS said he felt it had been a good initiative and RBL had adopted rod handling but was not sure how much further it could be taken.</p> <p>It was agreed this should be removed from the agenda.</p> <p>Action: FPS Secretariat to remove from the Agenda</p> <p>v) FPS Audit</p> <p>CJ stated this Committee would have a representative at the Audit Group chaired by Steve Hadley, which had not yet met, and asked RS & SJ to look at the Safety and Training audit schedules.</p> <p>vi) Silica Dust WG</p> <p>GL said there was a great deal of information that existed externally, and the option is to 'design out the risk'. SJ wondered whether it would be beneficial to create an FPS specific document.</p> <p>CJ felt a reference document would be useful, even if this was signposting FPS Members to a place to review.</p> <p>Action: GL to continue putting together a document and submit to the FPS Secretariat</p>	<p>FPS Secretariat</p> <p>GL</p>
<p>6.</p>	<p>FPS Website – Guidance due for update</p> <p>i. NGR Superlatch system (splicing and sonic document)</p> <p>RG said he was editing the document, and was aiming to get this completed shortly.</p> <p>Action: FPS Secretariat to circulate when received</p>	<p>FPS Secretariat</p>
<p>7.</p>	<p>Quarterly Accident & Environmental Statistics</p> <p>RG mentioned a recent incident where a bearing had failed and wished to raise a learning point on routine checking of parts that were not previously considered, and whether other organisations had other means of dealing with these issues.</p> <p>PH said it was just one example of a part that was not necessarily replaced, and questioned whether information should be shared, or there should be an inspection period relevant to items at height that and sharing information on</p>	

which parts had failed and a combined strategy for inspections, should be considered, in conjunction with FPS Associate Member Rig Manufacturers.

JC wondered whether things sat within the Manufacturers guidance on risk assessments within EN12100.

A question was raised around the routine maintenance processes.

Q4 Safety Statistics

IJ shared the statistics, and stated FPS Members had been asked to resubmit their data for RIDDOR Rate and Lost Time Rates and IJ was awaiting two further submissions. IJ shared a scatter graph stating the lost time rates and RIDDOR rates, with Companies plotted anonymously.

CJ mentioned a lot of the accidents being shown were not shown by severity, but there were some outliers.

JC asked if the FPS had a level at which was not acceptable. CJ mentioned this had not been addressed directly, but wondered if a minimum acceptable level was worth considering. CJ said the target became less meaningful if it was not reasonably achievable.

CJ said approximately 15 years ago there was a spate of fatalities in the industry without commonality, and felt there was a valid conversation on the bar to be set.

PH said he felt there should not be a target, but if the Company had a poor record and they were not doing anything to address it, a discussion should take place to understand if there were any ways the FPS could assist. PH said it took one accident and with someone a low rate of hours to jump up the AFR.

PH said he had asked for this to drive conversations within businesses, to ensure everyone can strive to be in a better place.

Q4 Accidents

IJ stated nine accidents had occurred during Q4, none of which were related to Sonic Logging.

The Chair had asked for data on the days of the week on which accidents were occurring.

IJ shared this data which indicated Wednesday had a high surge of occurrences of accidents, with 12 accidents taking place on a Wednesday in 2020 of a total of 38 accidents that had taken place during the year. CJ stated Wednesday at 11am and 2pm seemed to be frequent times for accidents. Cementation also stated this was a recurring theme.

The Chair said he was interested in comparing this with the information within Fatigue Science, and travel and lack of rest may have been an issue.

CJ asked if there was less focus on safety by mid-week. SJ wondered if a campaign should take place to focus on the reduction of mid-week incidents.

The Chair said over half of the incidents injured hands and fingers and thumbs and this maybe gave further points on a campaign to focus on.

The Chair referred to an incident on clamp closing, using a hammer, during which the IP was struck by the hammer but the accident triangle, indicated was the near miss data showing the potential trend. The Chair noted that had been a previous incident that year, and a focus had been placed on increasing near miss accident reporting. The Chair said Keller had used a tool manufactured in house to avoid the use of hammers and he would share the bulletin, to be circulated.

Action: FPS Secretariat to circulate the document

GL shared information on a Dangerous Occurrence, where steel tube was being off loaded from a wagon, the bundles which had been pre slung, the rig had been positioned with the tracks facing the trailer and during the process of picking up bundles of one or two the rig overturned. GL stated as far as the investigation went, the platform certificate was in place, the test results were ok, there were no issues with the platform, the Rig operator had 15 years driving piling experience, was a blue seat CPCS and SSSTS trained and there was a behavioural element, as the Rig Operator had been having confrontations with the delivery driver prior to the incident. GL stated the rig was fitted with a load

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	<p>cell indicator and two separate read outs for inclinometers which were working ok. The risk assessment has extracts from the operator’s manual which outlined the rig configuration of all the tubes. The Operator was picking up two bundles of tubes at the time and the forward angle of the mast should have been round about 8 degrees however once the rig had been put up on its tracks it was measuring 17 degrees. GL stated the HSE were involved and had put the incident down to the operator. GL urged all that training was documented. GL stated there were gaps in the CPCS training on lifting with the auxiliary line.</p> <p>The Chair asked if anyone had any further incidents they wished to talk about.</p> <p>Tomas Keaveney from Foundation Piling said they had a recent incident, that they were still in the midst of the investigation and asked of the appropriate format.</p> <p>TK wondered if there was a consideration to publish safety information on a wider basis across industries.</p> <p>CJ stated there was an argument of sharing information with non-members however everyone in the membership had signed an agreement not to compete on safety, and there was a sensitivity in terms of sharing information. TK said as the purpose of the bulletins was to stop people from becoming injured and fatalities at work. CJ said it was the standing policy but would be happy to take this to discuss at the Executive Committee.</p> <p>PH stated he felt consideration should be given to sharing information to the wider community, to share lessons learnt. PH said there were not a great many of safety alerts shared, and sometimes it is difficult to visualise without the photographs, and encouraged FPS Members to share documents when it is possible to view. CJ stated there was an anonymised template if there were sensitivities around the information to enable Members to share.</p> <p>Action: FPS to circulate the anonymised template</p> <p>RG referred to the incident shared relating to an incident at Kings Cross and said the investigation had been concluded but the procedures were still under investigation.</p> <p>CW said he understood the sensitivities in terms of company brand, but if that is faced in terms of a Safety Alert then perhaps the Manufacturer should take more responsibility, and this would negate the situations faced by companies.</p> <p>JC said he had negotiated with the BDA garnered as a Plant Alert and the information is shared, not under the guise of a safety alert, with the circumstances being covered by an explanation of how to properly check the issues.</p>	<p>FPS Secretariat</p>
<p>8.</p>	<p>Associate Member Questions</p> <p>There were none. CJ stated he would contact Associate Members.</p>	
<p>9.</p>	<p>Occupational Health & Wellbeing in Piling</p> <p>CJ stated the previous meeting the Fatigue Science project was discussed, and The Chair asked if there was further content to put into the agenda. CJ stated an update to the Occupational Health audit will be covered as part of the audit refresh. The Chair asked if anyone had any further items that should be covered.</p>	
<p>10.</p>	<p>Behavioural Safety</p> <p>The Chair stated he was going complete a document and circulate, which would be in the form of basic structure document with some core areas that should be covered.</p> <p>CJ said Build UK were happy for the FPS to lead on this in order to remove the need to participate in a Contractors Safety programme if an organisation had an existing programme.</p>	

<p>11.</p>	<p>Environment and Sustainability Matters</p> <p>CJ updated the group following the recently formed Sustainability Committee.</p> <p>CJ stated there were areas to consider that may need to be explored in terms of the current state of play. CJ stated those in particular around plant were:</p> <ol style="list-style-type: none"> 1. Use of Hydrogenated Vegetable Oil Fuels – to reduce the carbon impact of rigs 2. Retro fitting Cat 4 & 5 Engines 3. Decarbonising plant - Hydrogen / Electric or Battery operated fuelled Rigs <p>CJ said within the Sustainability Group there was an interest to find out from plant manufacturers at what point would there be a wider spread adoption of low carbon rigs.</p> <p>CW said he felt the conversation needed to be taken further and urged a change in culture and thought processes, when setting out, on environment and sustainability, as currently larger sites were starting on temporary power rather than mains and urged a change in culture and thought processes, when setting out environment and sustainability. CW stated thoughts needed to be taken further down the line and accelerated, with the Customer leading.</p> <p>CJ said the group were looking at a roadmap to net zero, and they were looking at a sustainability road map generally, wider than decarbonisation only. This will give practical guides and measures as to what do to.</p> <p>HS said RBL were starting the journey and to gaining a quantifiable understanding of measuring fuel consumption.</p> <p>The Chair suggested members of the committee feed into the Sustainability group, and a suggestion was made to invite Luke Deamer, Sustainability Practitioner at Keller to a future discussion.</p>	
<p>12.</p>	<p>Training</p> <p>CW mentioned he had been working with the CITB and NOCN over the past 8/9 months to develop a Level 1 Qualification on Simulator Training, which faced a long-standing issue to get individuals on site and trained. CW stated the standard would qualify individuals on the basis of training they had experienced in a simulated environment for a hydrofraise, a piling rig or a grab.</p> <p>CW reported the standard had now gone live on the NOCN website and there was an Assessment Criteria, however a CPCS card did not exist. CW said conversations were taking place so a CPCS or CSCS card could be given to an individual who had experienced simulator training, to enable the individual to take a seat on site.</p> <p>CW felt the Committee needs to agree what the card would say in terms of a Supervised Operator card to ensure the individual could sit in the seat over a period of time. CW stated the card would be a trainee card based on the Level 1 Simulator Card, providing some form of assessment had occurred and the individual had achieved the pre-requisite training, and had also passed the CPCS test in order to achieve the trained operator card. CW said a conversation was taking place on a pathway to fill the gap, but this would need to cover other industries too.</p> <p>CJ wondered whether the card would be agnostic in terms of the equipment. CW confirmed the language was deliberately generic in the document without endorsement on the machine time, and the key issue was to give the individual the core skills, and this would be for the employer to determine, without providing a bias to one manufacturer rather than the other.</p> <p>CJ also referred to use of the auxiliary line and whether this was included in the NOS and whether it should be included in the CPCS test. CW stated it was not in the test because not all machines were configured for it, and also the CPCS was about testing the operator and a different dynamic would be needed in order to do the test for the component. CW said it was in the NOS but was something that could be re-visited to check if the standard was still fit for purpose, and if there was an appetite for further training in the area. CW said the lifting operations element of the training was not included, but not rigging / de-rigging, loading and unloading.</p>	

	<p>JC said the CPCS was not a recognised qualification amongst hauliers, and the loader and unloaded would be specific to the Piling Industry.</p> <p>A conversation ensued on the topic of adding in further endorsements for lifting operations, and CW said the approach could be taken to ask for additional endorsements for lifting operations as a request.</p> <p>CJ said he felt the scheme was about the Principal Contractor being happy individuals on site were competent and the CPCS testing needed to be aligned with absolute competence.</p> <p>Action: Add to Agenda for next meeting</p>	<p>FPS Secretariat</p>
<p>13.</p>	<p>Working Group Reports</p> <p>i) CPCS Management Committee</p> <p>CJ stated there was a requirement for an FPS Member to represent at this Committee, and the Executive Committee would make nominations. The Chair stated to make MD's aware if there was a desire to represent.</p> <p>ii) Build UK Health & Safety Committee – remove from the agenda</p> <p>iii) HS2</p> <p>iv) EFFC Health and Safety Working Group</p> <p>The Chair confirmed the group had not met but were due to meet prior to the next meeting of this Group.</p>	
<p>14.</p>	<p>AOB</p> <p>CW mentioned this would be his last meeting will be for a while. CJ to reach out to CW's nomination.</p>	
<p>Dates of 2020/21 Meetings</p> <ul style="list-style-type: none"> • Thursday 20th May 2021 (virtual) • Thursday 16th September 2021 (meeting location TBC) • Thursday 11th November 2021 (meeting location TBC) 		