

<b>Present:</b>	Andrew Egglesden	Bachy Soletanche (In the Chair)	
	Steve Ako	Bachy Soletanche	
	Keith Bolton	Bachy Soletanche	
	Phil Hines	Bachy Soletanche	
	Paul Miller	BAM Nuttall	
	Warren Arnold	Bauer	
	Peter Halliwell	BBGE	
	Scott Reynolds	BBGE	
	John Neal	Casagrande UK	
	Brian Hill	FK Lowry	
	Pat McKay	FK Lowry	
	Brian Kellaheer	Keller	
	Lee Cain	Keltbray	
	John Bradley	Martello Piling	
	Ellen Barrett	Murphy GE	
	Des Hanrahan	Murphy GE	
	Neil Harris	Roger Bullivant Ltd.	
	Owen Pritchard	Soilmec	
	<b>In attendance:</b>	Ciaran Jennings	FPS Secretariat
		Aimee McDermott	FPS Administrator

No.	Topic	Action
1.	<p><b>Apologies</b></p> <p>Dorian Rixon (BAM Nuttall), Graeme McWhirter(Bauer), Les Hall (Bauer), Chris Fox (Murphy GE), Michael Finch (Casagrande), Mark Lee (ABI Equipment Ltd), Mark West (Liebher), Steve Smith (Cementation Skanska), Mark Nelson (Soilmec), Brian Maxwell (BBGE), Paul Doyle (Bauer), Philip Matthews (Skanska) and Alan Waite (JRL).</p>	
2.	<p><b>Approval of the Minutes of the meeting held on the 28<sup>th</sup> March 2018</b></p> <p>Keith Bolton commented that in item 12 of the previous agenda he had been wrongly tasked with circulating a training standard for hydraulic systems. Ciaran Jennings advised that the minutes will be amended.</p>	<b>FPS Secretariat</b>
3.	<p><b>Matters Arising (not covered elsewhere)</b></p> <p>a) Revision of Concrete Pumping Guidance</p> <p>Keith Bolton reported that after completing last minute changes on the guidance he also added an additional statement referring to standards. He noted that if members were happy with this change then the document could go to the Executive Committee for publication.</p> <p>Ciaran Jennings commented that the Safety and Training committee have until the next week to comment. Phil Hines noted that everyone has had the opportunity to comment.</p> <p>b) Principal Contractors Fitting Seatbelts to Piling Rigs</p> <p>Andrew Egglesden enquired if anyone had anything to add regarding seatbelts on piling rigs.</p> <p>Lee Cain commented that nothing had been heard at Keltbray regarding this.</p>	

	<p>There was some discussion as to whether seatbelts were protecting a rig operator or whether they were preventing his/her escape during a tipping incident or fire. There was no clear conclusion reached.</p>	
<p>4.</p>	<p><b>FPS Guidance in Development</b></p> <p>Published to the FPS website</p> <ul style="list-style-type: none"> <li>• None</li> </ul> <p>Andrew Eggesden commented on the FPS guidance documents and how well these are communicated. He reported that an incident, not involving an FPS member, had happened at Thames Tideway involving the unloading of a lorry. Andrew noted that after this incident he had seen several emails regarding guidance about loading and unloading. He commented that FPS have produced guidance on this but it is clearly not advertised enough as there is a general lack of awareness about it.</p> <p>Keith Bolton commented on the Members' section of the website and enquired as to who had logins for this. He wondered if it were possible for companies to have a generic login. Ciaran Jennings advised that the FPS has the capability to provide a company login but noted that there may be some sensitive information within the Members' section that companies may be reluctant for all employees to see e.g. quarterly order stats.</p> <p>Lee Cain enquired as to the possibility of the FPS guidance conflicting with internal guidance that engineers already had access to. Ciaran Jennings noted that most of the FPS guidance is already publicly available.</p> <p>Andrew Eggesden reiterated that there is a lack of awareness about the availability of this guidance. He requested that if anyone is aware of any conflict with the best practice then they should advise the FPS, so this can be amended.</p>	<p>All</p>
<p>5.</p>	<p><b>Rod and Auger Handling</b></p> <p>Andrew Eggesden reported that the FPS have taken the position to look at using mechanical aids wherever practicable. He noted that it is easy to say that there are processes out there to automate this but acknowledged some aspects of piling, such as auger and casing handling for mini-piling are hard to automate. However, this is something the FPS want to look in to automating.</p> <p>Andrew asked the group what progress has been made to make casings for mini piling. It was noted that some Members were working with Klemm however it was thought their solution was not good for SFA work.</p> <p>Andrew Eggesden noted that he had been sent some information regarding this however it was more relevant to rods. Andrew commented that the automation of rods has already been carried out and felt that the FPS should focus on SFA, augers with a bigger diameter, casings and mini-piling.</p> <p>Neil Harris reported that RBL are sticking to smaller augers as much as possible. He noted that on restricted access sites there are problems as there is no mechanical excavators, so they stick to 1m augers sections and manual hand to a degree.</p> <p>Andrew Eggesden commented that he had spoken to Mike Finch about Casagrande's work on automating manual handling. He reported that Casagrande want to talk to others in the industry who are automating manual handling to find out the interest in this. If they receive a reasonably positive response, they will then look to create a prototype. Andrew noted that the future of this rests on how much interest is shown and that the FPS need to find a way to pursue this proposal.</p> <p>Phil Hines commented that more than 1/3 of injuries reported in FPS over the past 4 years have been hand related and that augers form a part of this. Phil reiterated that the FPS have made a statement to automate manual handling and that this should be worked towards. He noted that if there is a gap in the market then members of the FPS need to ensure</p>	

	<p>that they are encouraging Casagrande's proposal or coming up with something themselves. Phil emphasised that doing nothing is not an option and that everyone should contribute to change this.</p> <p>Peter Halliwell enquired what Casagrande's brief was. Andrew Eggesden advised that Casagrande had been asked to cater for the regular sizes of SFA that are used in the UK. Phil Hines encouraged members to approach Mark Finch to find out more about the automation.</p> <p>There was some discussion about Casagrande's presentation at the previous meeting. Brian Kellaheer noted that in its current format, the tool is too large and would have to be scaled down. Owen Pritchard commented that at a recent factory visit he had noted that clients do not want extra attachments and that the tool should be inbuilt into the machine.</p> <p>Andrew Eggesden encouraged members to feedback to Casagrande, so they are aware of what members want from the tool.</p> <p>Phil Hines suggested that every company should send one representative to talk to Casagrande to refine the tool. Lee Cain noted that it was important to have everyone involved in this process.</p> <p>Ciaran Jennings proposed that the FPS identify SFA designers and ask for a meeting with representatives from each company. He advised that a brief is produced and then manufacturers can assess this. The group agreed this was a good route to take and it was agreed to send out an email invitation within the next 6 weeks.</p> <p>Andrew Eggesden emphasised the need to include operational people within this group. Phil Hines agreed, noting that operations people should have more influence within FPS and that their views will help to drive conversation.</p>	<p><b>All</b></p> <p><b>FPS Secretariat</b></p>
<p>6.</p>	<p><b>Hand-Arm Vibration Syndrome (HAVS)/Whole Body Vibration</b></p> <p>Ciaran Jennings reported that HAVS was an issue that had been discussed at the Executive meetings. Jim de Waele had spoken about HAVS in relation to Plant and the issues around this. During the Safety and Training meeting a campaign called HAVS 2020 had been discussed. The scheme aims to eliminate all new cases of HAVS by 2020.</p> <p>Lee Cain commented that Keltbray have done some work on this. He noted that it is surprising what people are exposed to via vibration. Lee added that he was happy to circulate any of Keltbray's reports regarding HAVS.</p> <p>Scott Reynolds commented that BBGE use a system where a machine holds the drill and it is operated remotely. Ellen Barrett commented that Murphy GE also use this system.</p> <p>Phil Hines commented that the information he has viewed was related to whole body vibration.</p> <p>Ellen Barrett commented that it may be worth talking to HSE about HAVS as they have not come up with a way to monitor it yet and the issue is not really being investigated. She noted that it would be worth directing focus onto HAVS before whole body vibration is discussed.</p> <p>Phil Hines enquired if anyone has any guidance or practice relating to Whole body vibration in their companies and how to measure it. Ellen commented that it is difficult to address as everything affects it – weight, height, type of machinery etc</p> <p>Neil Harris noted that he had seen some testing with a sensor on the seat but that this was only specific to a certain job.</p>	<p><b>Lee Cain</b></p>
<p>7.</p>	<p><b>Access Platforms on rigs</b></p> <p>Ciaran Jennings reported that the question of what the FPS want from access platforms on rigs is still undecided. He questioned whether it was possible to standardise them.</p>	

	<p>Andrew Eggesden noted that Casagrande provide a machine with a lifting platform. Andrew added that he felt clip/bolt on platforms were outdated.</p> <p>Andrew Eggesden commented that the door panel is also an issue which could be solved with a rolling door. He noted that Bauer and Casagrande have both changed doors and access platforms to make them less bulky.</p> <p>Warren Arnold noted that Bauer have doors that lift up and access platforms that are smaller than the rig tracks although he noted that on bigger machines there is still work to be done.</p> <p>Phil Hines noted that no comments had come in regarding access platforms on rigs and that if everyone felt happy with them the item should be removed from the agenda. Phil also noted that Bauer and Casagrande appear to have workable solutions that can be implemented and that there did not seem much more for the FPS to do on this topic.</p> <p>Item to be removed from agenda.</p>	
<p>8.</p>	<p><b>Apprenticeship for Plant</b></p> <p>Ciaran Jennings updated the group on the latest progress of the Learning and Development Forum being led by John Chick. He noted that the Forum are mapping skills and competencies for all aspects of piling which will help to identify any training gaps. Ciaran advised that the process of setting up an apprenticeship is a long one, particularly due to new government regulations. He commented that it will be important to determine a career pathway for a Plant apprenticeship and questioned whether the FPS wanted better trained fitters or better trained operatives.</p> <p>Pat McKay noted that rapid advancements within technology make it hard for current operators to catch up and understand. He commented that there is a need to go back to the old style of training where apprentices enter from school/college and work their way up.</p> <p>Andrew Eggesden added that we currently have the next generation of piling rigs but not the next generation of operators. He noted that there is a need to attract people to the industry who understand how to use new technology.</p> <p>Warren Arnold disagreed that older operators are unable to learn about new technology- he noted that Bauer have training that all operators can attend to learn about these things.</p> <p>There was some discussion about the need to attract the younger generation into the industry.</p> <p>Pat McKay commented that older operators will be unable to help the next generation if they do not understand the new technology. He noted that there will come a time when there is a knowledge gap in the industry.</p> <p>Own Pritchard noted that each company will have different requirements from apprentices and that some companies are finding it difficult to get apprentice fitters. He proposed that instead of running an apprenticeship, the FPS work as a feeder to companies, advertising the opportunities available at different companies.</p> <p>Brian Kellaheer commented that there is a career path for a fitter but no path for operators. He advised that there has been a watering down of skills which needs to be addressed. Brian noted that Keller are upskilling their operators and fitters to ensure they are familiar with newer machines. He also informed that Keller are investing heavily in their apprentices and see upskilling in the industry as a big investment for the future.</p> <p>Andrew Eggesden noted that from a Bachy Soletanche view there has been huge investment in new technology and that there is a need to get more out of it. Pat McKay commented that younger generation have the knowledge and the skills required to understand the new technology.</p> <p>Phil Hines questioned where the discussion was going. He asked what the FPS would want from this process. Phil noted that high minimum standards would benefit everyone and that this should be enforced before</p>	

	<p>someone drives a rig. He also questioned the need for a piling rig operator apprenticeship and felt the current operators worked their way up through hard work and a desire to reach that position.</p> <p>Andrew Eggesden commented that the ticket required to drive machines needs to be reviewed and the bar set higher. Brian Kellaheer agreed with this and stated that the standard before getting in a rig needs to be raised. Andrew added that operators need to demonstrate their ability before getting a ticket to drive rigs.</p> <p>Ciaran Jennings reported that a rig operator NVQ exists in NOS as a level 3 skill. He noted that an SUP for rig operators could be created with the CITB and funding could be applied for once the skills are defined.</p> <p>Keith Bolton noted that the discussion of the last meeting regarding this topic was more focused on if the FPS could put together an NVQ for attracting apprentices to the mechanical side as there is no career path for plant maintenance.</p> <p>There was some discussion about the need to advertise for apprentices and about how to advertise piling as a career. It was noted that many people do not understand what the job is. Owen Pritchard commented that there is a need to advertise to the “Xbox Generation” who have grown up with technology and will benefit the changing industry.</p> <p>Phil Hines suggested that rather than a qualification, the FPS should produce an article on piling as a career and advertise more to the younger generation. It was noted that advertising to young people in school and college was needed to promote the industry.</p> <p>It was decided to remove this item from the agenda and focus on advertising the companies in the FPS to potential new entrants to the industry.</p>	<p><b>FPS Secretariat/ Debbie Darling</b></p>
<p>9.</p>	<p><b>Safety Alerts</b></p> <ul style="list-style-type: none"> <li>• SA275 – Falling Debris</li> <li>• SA276 – Hydraulic Relief Valve Failure</li> <li>• SA277 – Swan Neck Lifting Eye</li> <li>• SA278 – Foot Injury Resulting in RIDDOR</li> <li>• SA279 – Assembly and Disassembly of a Crane Boom</li> <li>• SA280 - Hi-Potential Near Miss- Working Close to Live 415</li> <li>• SA281 - Plant Movements HSQE Alert</li> <li>• SA282 - Landfill Tax</li> <li>• SA283 - Damage Resultant of Plant Movements</li> <li>• SA284 - Void Excavated Under Platform</li> <li>• SA285 - Portable Fuel Canisters</li> <li>• SA286 – Petrol</li> </ul> <p>Lee Cain noted that most of the Safety Alerts were sent in by Keltbray as they want to encourage people to take note of them and keep safe.</p> <p>Phil Hines reported that from the accident statistics it was found that over the past 4 years, 10% of accidents had occurred in the plant department. Phil reiterated Lee’s point, stating that every year the FPS has 30 major accidents occurring and that information needs to be improved to prevent these from happening.</p> <p>Lee Cain stated that even if alerts were not completely relevant there was still something to learn from them. Phil emphasised this point, noting that the SAs stimulate ideas of how to do things differently and improve safety.</p>	
<p>10.</p>	<p><b>Rig Bearing Pressure Spreadsheet</b></p> <p>Ciaran Jennings noted that a training seminar for the Rig Bearing Pressure Spreadsheet is generally run twice a year. There is currently a list of interested individuals and a date is being organised. The group will</p>	<p><b>All</b></p>

	<p>be updated when a date is confirmed. Anyone interested was asked to email FPS.</p>	
11.	<p><b>EN16228</b></p> <p>a) Proposed changes re guarding heights</p> <p>Steve Ako reported that the second part of the EN16228 has been amended and redrafted by the CEN WG. Steve noted that there had been some contradiction about the guard height on mini rigs. The redraft proposed lowering the guard height as some machine users want full guards whilst others find them restrictive. Steve noted that the standard is now up for comment and will be circulated to the FPS.</p> <p>Andrew Eggesden noted that any comments should come in as soon as possible due to the way the BSI process standards.</p> <p>Phil Hines commented that the FPS did not want the guard height to change and therefore should vote against the amendment. It was requested that the document should be circulated, and comments returned as soon as possible.</p> <p>Phil Hines committed to looking at the CEN voting system with the Secretary to see how best to promote the FPS interests.</p>	<p><b>FPS Secretariat/ S Ako</b></p> <p><b>All</b></p> <p><b>P Hines/Secretary</b></p>
12.	<p><b>BFPA – Update</b></p> <p>a) Common Standard for Hydraulic Systems used on Piling sites</p> <p>Andrew Eggesden reported that the BFPA (British Fluid Power Association) are looking to address a common standard for those working on hydraulic systems. They are looking to create a system similar to the Gas Safe register where workers will have a “Hydraulic passport”. Anyone who comes on site will have to show that they have the qualifications to carry out work. Andy noted that this is a similar system as the one implemented in Australia.</p> <p>This item has reached full discussion and is to be removed from the agenda.</p>	
13.	<p><b>Mutual Recognition of Rig Driver Qualifications</b></p> <p>Ciaran Jennings reported that the Mutual Recognition of Rig Drivers Qualification is currently an important topic within the EFFC. It has been determined that the EFFC shall look to create a European Rig Operator License that accredits training that meets a common minimum standard. It is expected that this can then be used as the basis for mutually recognising qualifications across border.</p> <p>Ciaran noted that there will be a meeting in July this year to discuss this. The EFFC are starting from the beginning and are looking into what training should cover and what the qualification will allow holders to carry out. Ciaran advised he will circulate more details about the meeting if anyone would like to attend.</p>	<p><b>FPS Secretariat</b></p>
14.	<p><b>Environmental Issues/Trends</b></p> <p>Scott Reynolds noted that BBGE are doing some work with Greenbrier regarding chemical/oil spills in water. Scott added that he will circulate any new information he receives.</p> <p>Andrew Eggesden commented on DPF retrofitting and if this is something the FPS should be doing. He proposed that the guidance paper regarding this is withdrawn.</p>	<p><b>Scott Reynolds</b></p> <p><b>FPS Secretariat</b></p>
15.	<p><b>Report as Necessary</b></p> <p>a) EFFC</p> <p>Ciaran Jennings reported that the EFFC are focusing on the mutual recognition of rig drivers’ qualification.</p>	

	<p>Ciaran also reported that some members of the EFFC are wanting to reduce guarding height. Ciaran noted that the FPS has an opportunity to oppose this and apply pressure to keep the guard height at a safe level.</p> <p>b) Safety &amp; Training Forum</p> <p>Ciaran Jennings reported that the Safety and Training forum had spent a large portion of their meeting discussing the accident statistics and are looking to gain a better understanding of the root causes of injuries, particularly those to the hands.</p>	
16.	<p><b>Associate Members Discussion Points and Issues</b></p> <p>Nothing to report.</p>	
17.	<p><b>Any Other Business</b></p> <p>Andrew Eggesden noted that at the previous meeting FORS had been discussed. He commented that Bachy Soletanche are constantly being asked about FORS by clients and that most clients now want a minimum of silver.</p>	
18.	<p><b>Dates of 2018 Meetings</b></p> <p>All meetings will be held at the Derby Conference Centre, London Road, Alvaston, Derby, DE24 8UX.</p> <ul style="list-style-type: none"> <li>• Thursday 6<sup>th</sup> September 2018 at 10:00am</li> <li>• Thursday 1<sup>st</sup> November 2018 at 14:00pm</li> </ul>	