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PROFILE

Paul Griffin is an experienced Structural Engineer with both steel and reinforced concrete design experience. He has worked in the Insurance Sector for the past 10 years including undertaking structural surveys at four industrial fish processing facilities in Chile as well as assessment of the property damage claim of a large wood pulp manufacturer with sites throughout Chile following an earthquake in February 2010. Has amongst others undertaken the structural assessment of a cement factory in Ireland, meat processing facility in Holland and Bakery in Saudi Arabia following major fires. Has worked on several CAT losses following flooding in the UK, notably through the Thames valley in 2014 and North Yorkshire in 2016.

Paul has completed structural surveys on a chipboard factory fire loss in Liverpool. Visited a Blast Furnace Loss in Argentina to review progress and assist with timeline monitoring and establishment of causation. Has assessed damage to the concrete support frame to a large steam turbine following a fire in Kuwait, assessed damage to structural frames following a fire at a petro chemical plant in the Czech Republic and assessed a multi storey reinforced concrete building to a production facility in Finland. More recently has undertaken the inspection of damage to buildings located in the British Virgin Islands at a yacht charter facility and buildings associated with a power distribution facility on the Island of Anguilla following the recent hurricane storms in September 2017.

These works included the provision of reports to the Loss Adjustors that record the extents of damages and likely repair costs to enable them to assess extents of liability and to facilitate settlement of claims.

Initially worked in a design office as Project Engineer that notably included monitoring the construction of a steel framed structure on site as the Resident Engineer having completed elements of the design as well as overseeing all other design works prior to construction. Assisted with preparation of tender packages and review and selection of the principle contractor.

Developed wider project management and engineering management skills working on the preparation of employer's requirement specifications and determined infrastructure solutions to large integrated waste PFI contracts. Oversaw the delivery of the infrastructure development from design to construction for a large East London waste PFI.

QUALIFICATIONS

BSc (Eng) Structural Engineering degree - Trinity College Dublin

Dip (Eng) Diploma - Trinity College Dublin.

RECENT PROFESSIONAL EXPERIENCE

2019 to date – Envista Forensics – Principal Consultant

2012 to 2019 – McLellan and Partners Ltd
CEng MIEI Chartered member of the Institution of Engineers of Ireland.

2018 ongoing – York – Manufacturing Facility – Austria

Following a fire at this manufacturing facility, site visits were undertaken to determine the scope of damage to the roof and structural frame. Appraisals of reinstating the facility like for like and then to current codes is being undertaken in order to prepare costs to facilitate settlement of the claim.

2017 to 2018 – FM Global

Titanium Dioxide Plant – Finland – Following a fire at the titanium dioxide manufacturing facility a large central section of the building and manufacturing process has been affected. McLellan have been engaged to provide technical support with regards to scoping the plant and structural damage. This has included agreeing the extents of demolition and proposed temporary and permanent reinstatement works together with detailed costing reviews of the claim.

2016 to 2016 – VRS Vericclaim

Water supply and treatment utility – Yorkshire, UK – In December 2015 following several severe storms, flooding occurred at multiple sites across the network of a major northern utility. This included several significant sites incorporating a large incinerator and Thermal Hydrolysis Plant as well as over 100 other smaller waste treatment facilities and pumping stations. Co-ordinated initial assessment of damage at key sites and secondary sites with a team of over 20 Engineers of various disciplines and provided costing support to review the Insured's claim and assist with settlement discussions.

2015 to Ongoing – Charles Taylor Adjusting

Petrochemical Plant, Fire – Czech Republic – In August 2015 an explosion at a petrochemical facility resulted in an extensive fire that caused damage to steel piperacks and pyrolysis heaters. McLellan are responsible for reviewing the damage to the structures, heaters and all cabling and instrumentation to establish the full scope of damage. McLellan are reviewing causation. McLellan have also been appointed to assist with the reinstatement programme to ensure the reinstatement works are expedited to mitigate the Business Interruption.

2014 to 2015 – McLarens Global Claims Services

Steam Turbine, Fire – Kuwait – In January 2014 the failure of a 250MWe steam turbine occurred which affected the alternator, switchgear and structure to the building within which three of these steam turbines were housed. McLellan were responsible for reviewing the damage to the turbine, structure and switchgear. Preliminary and interim reports were compiled that outlined the scope of damage due to the incident and repair schedule and monitored repair and progress on site.

2012 to 2013 – McLarens Global Claims Services

Blast Furnace, Hearth Failure – Argentina – In October 2012 the failure of the hearth refractories in a Blast Furnace occurred which necessitated the relining of the Blast Furnace. McLellan were responsible for reviewing the demolition works on site in order to determine causation and timelines for the repair works. A preliminary report was compiled that outlined the likely causation of the incident and repair schedule. Market meetings were held in London for the principle Insurers.

2012 to 2012 – FM Insurance Company Limited

Cement Factory Fire – Republic of Ireland – In July 2012 a major fire destroyed the cladding and some structural steelwork to a disused building that was previously used for the manufacture of precast cement products. McLellan were responsible for assessing the scope of damage to the steel framed structure. The works included scoping of the damage and preparation of a scope of damage drawing, scheduling the extent of damage and likely repair works needed. Costs of the damage and repair works were also estimated to assist the Loss Adjustor with settlement proposals.

2004 to 2012 – Mouchel, (formerly Mouchel Parkman Services Ltd, Mouchel Consulting Ltd)

2011 to 2012 – Crawford & Company Adjusters (UK) Ltd

Chipboard Fire Loss – Liverpool – In June 2011 a fire in the wood reception area of a chipboard factory in Liverpool destroyed several buildings and process plant. Mouchel were tasked with mobilising to site a team of structural and plant specialists to record the property damage. Activities involved recording items of plant that were to be saved

from demolition and could be reconditioned for early re-establishment of the process. Mouchel compiled the scope of damage report along with 'plant to be retained' schedules and issued these to the Loss Adjustors. We were also involved in reviewing the reconstruction methodology proposed by the insured for reinstatement of the damaged wood yard plant and structures. A first phase saw the construction of some temporary items of plant and permanent building structures being completed in December 2011 with the plant recommencing operations. The second phase proposed was for the final construction of all permanent items of plant and structures. These works were delayed and production was relocated to Germany with the modification of an existing site.

PREVIOUS EXPERIENCE

Chile Loss – An earthquake in Chile resulted in the structural damage of four fish processing companies in Concepcion, Chile. Following data gathering and structural surveys, Mouchel completed reports that outlined extents of damage, as well as the estimated costs of demolition, remedial and new build activities. This was to provide reports for the Loss Adjustors that assist in assessing extents of liability and to facilitate settlement of claims. Works following this earthquake then expanded to include review of the property damage claim prepared by the insured of several wood pulp plants based throughout Chile, following settlement of the fisheries claims. This entailed assessment of the claim in relation to our scope of damage reports and documentation provided by the insured to validate their claim.

Meat Process Factory Loss – Netherlands – Following a fire in October 2010 almost the entire 8,000m² of a bespoke meat processing facility in Nijmegen in the Netherlands was destroyed. Mouchel were involved in compiling a report that outlined the property damage to the buildings and plant. This report also set out the temporary operations that had been undertaken by the insured and set out the permanent reinstatement plan and timescale. We also assisted the Loss Adjustor in reviewing the insured's submitted claim values and compiled full reinstatement cost values of buildings and plant with the assistance of our in house Quantity Surveying team and plant specialist.

Aultmore House – Nethy Bridge, Inverness-shire – Following the severe winter in Scotland over the winter period 2009-2010, Ice formed within the box guttering and on top of dormer windows at roof level to this Edwardian Country House. The ice then blocked the down pipes resulting in overflow of subsequent rain and melt water from the gutters into the building. This resulted in damage to the external rendering and internal finishes of the main building. Mouchel conducted a survey of the damage and witnessed testing of the external render before issuing a report summarising our views.

Whiskey Distillery Loss – Inverness – Following heavy snow falls in Scotland over the Christmas period 2009-2010, the roof to one of the bonded warehouses housing casks of aged whiskey partially collapsed. Damage to the roof over the distillery building also occurred. Mouchel compiled a report that outlined the extent of the damage and noted the permanent repair works as set out by the insured. We also compiled costing review of these remedial works for presentation to the Loss Adjustor and attended the final settlement meeting.

Holt Lane - Household Waste Recycling Centre – This saw the development of a Household Waste Recycling Centre involving site selection through to design. Mouchel were involved in this project from inception and oversaw site selection, transport assessment, geotechnical investigations and assisted with the planning application. We also coordinated the design team members in carrying out final detailed design and development of procurement documents for selecting a main contractor for the works.

Dumfries and Galloway Integrated Waste Management PFI Contract – This saw the construction of a single transfer station in Dumfries. The design work was carried out prior to financial close in November 2004. Mouchel carried out reviews of technical drawings and specifications prior to issuing the contract documents to the civil contractor for financial close. We issued back to back sub-consultancy agreements with our sub-consultants for work post-financial

close and held discussions with the client's legal advisors regarding collateral warranties. Post financial close works involved responding to site queries and coordinating input from our sub-consultants.

Cambridgeshire Integrated Waste Management PFI Contract (ISOP) – This bid support work involved the review of the council's output specification and generating of an integrated waste management solution detailing infrastructure needed to supply the service. We were also involved in briefing the Quantity Surveyor to carry out capital expenditure costs for the bid and briefing Geotechnical and Environmental teams to carry out phase 1 and desk top surveys.

Regent Hotel, Leamington Spa – This development comprised the regeneration of a sizeable area of the town and the historical Regent Hotel. As well as refurbishment the project involved a concrete frame transfer structure at first floor and varying floor levels above hollow core planks on load bearing masonry. Duties included design and management of a design team.

Fenwick, Canterbury, Kent – This development is a four-storey steel framed department store on piled foundations with a secant piled retaining wall forming a basement. Waterman were involved with this project from inception to completion. Duties entailed scheme design through to design of steel elements, generation of all structural drawings and overseeing the construction on site as the Resident Engineer for one year.

Novotel, Tower Hill, London – This structure is an eight storey concrete framed hotel on a raft foundation. Duties included analysis of the stability of the structure which was provided by concrete cores, co-ordination of all structural drawings attending design team meetings and design of concrete elements and a steel roof structure.

Globe House, No 4 Temple Place, London – This is an eight storey steel framed building with basement on a raft foundation situated on the banks of the Thames. Duties on this project involved site investigations works, periodically acting as the Resident Engineer throughout the project, load assessment and design of steel beams and columns.