



HALLIWELL

HENRY DENSHAM, MRICS

DIRECTOR, TIME ELEMENT AND DELAY ANALYSIS SERVICES

CHICAGO, IL

henry.densham@halliwellglobal.com

+1 312 833 6291 | Mobile

+1 877 411 2177 | Office

halliwellglobal.com

SPECIALTIES

- Forensic schedule delay analysis
- Analysis of delay within Builder's Risk and equivalent policy claims (DSU / DIO / ALOP)
- Critical Path Method (CPM) schedule analysis using planning software – Primavera P6, MS Project, Asta Powerproject
- Construction project progress monitoring
- Schedule development for period of restoration and business interruption claims
- International construction claims advisory across all sectors

BIOGRAPHY

Henry is a Chartered Surveyor with extensive experience in delay and schedule analysis providing claims management and dispute resolution services on large loss insurance claims across a wide range of industries. He specializes in forensic schedule analysis on delay claims under Builders Risk insurance policies with Delay in Startup (DSU), or equivalent coverage, and timeline analysis for Business Interruption (BI) insurance claims.

Henry clarifies schedule and delay matters following an insured event by examining a project's critical path, identifying the likely benefit of any mitigation strategies, and determining when commercial operations would have begun had no insured events occurred. He assists clients in establishing accurate decision-making for loss mitigation, formulates potential exposure considerations, and creates the foundation for a successful resolution. In addition, Henry creates theoretical construction timelines to determine the likely period of restoration for assets that have suffered a loss but are not rebuilt to the same design.

Henry has been engaged on major projects across global insurance markets in the Americas, Europe, Middle East and Africa. He has the technical background and experience to bring clarity to complex delay and scheduling issues and assists clients with controlling costs, mitigating risks, avoiding disputes, and delivers reports with clear and logical conclusions. Henry has a law degree and has worked in an expert capacity engaged in the preparation of reports and submissions for arbitration and litigation.

QUALIFICATIONS

MA Real Estate and Development Management

LLB Law

HALLIWELL

HENRY DENSHAM, BSC MA MRICS LLB

DIRECTOR, TIME ELEMENT AND DELAY ANALYSIS SERVICES

INDUSTRY CERTIFICATIONS, LICENSES AND MEMBERSHIPS

- Member of the Royal Institution of Chartered Surveyors (MRICS)

PROFESSIONAL EXPERIENCE

- Halliwell, Director, Schedule and Delay Analysis Services
- Capital Consulting International (CCI), Managing Director, Insurance Services Americas
- Navigant, Managing Consultant, Global Construction Practice
- FTI Consulting, Senior Consultant, Construction Solutions

REPRESENTATIVE ASSIGNMENTS

Property

Hurricane Damage | Florida

Instructed by Insurers to identify incident related delays to the Project completion date of a large multi-unit condominium development set over five buildings that sustained hurricane damage. In addition to identifying Project delays as a result of physical repairs, opined on whether a reduction of manpower claim, and associated delays, submitted by the Insured was reasonable in relation to the overall construction period.

Flooding/Water Inundation | Illinois

Instructed to segregate the delays to the completion of a 76-story residential skyscraper construction project following six individual flooding and water inundation events. Analysis required a determination of the individual delay caused by each event so that each claim could be considered individually by insurers.

Fire | Pennsylvania

A major fire occurred during the construction of senior living community causing significant delays to the Project completion date. Instructed to identify the delays to the different phases of the Project as a result of the fire and determine if there were any non-incident related delays that would have occurred in any event.

Flooding/Water Inundation | Florida

Following major hurricane damage to a luxury hotel the insured decided to perform various upgrades and improvements to the interior design. Instructed to identify the time it would have taken the insured to undertake repairs to return the hotel to the condition it was in prior to the hurricane, absent any of the Insured's improvements.

Hurricane Damage

A major hotel resort construction suffered hurricane damage including water inundation and structural damage to the roof when two tower cranes collapsed. Instructed to segregate delays as a result of the hurricane related damage from subsequent delays due to major weather storms and opine on whether concurrency existed such that the project would not have finished any earlier absent the hurricane.

HALLIWELL

HENRY DENSHAM, BSC MA MRICS LLB

DIRECTOR, TIME ELEMENT AND DELAY ANALYSIS SERVICES

Heavy Civil / Infrastructure

Tropical Storm Damage to New State Highway | Texas

Retained by Insurers to identify delays to a 52-mile segment of new state highway following a major tropical storm event. Asked to determine what mitigation measures may be possible to reduce the delays and achieve the original project completion date.

Sinkhole Event During Railway Project | Canada

A major light railway project was delayed when a sinkhole opened up above tunneling works causing lengthy delays to the Project. Instructed to undertake a schedule analysis of the Project to determine whether the forecasted delays were solely due to the sinkhole event or whether there were non-Incident related delays to the Project that would have occurred in any event.

Girder Collapse During Bridge Construction | New Jersey

During construction of a road bridge a concrete girder collapsed after being lifted into place. Undertook a delay analysis on the Project schedules to determine the delay to the completion date of the Project as a result of the event.

Concrete Delay During Tunneling Project | Virginia

A major road tunneling project suffered delays when a void appeared during the concrete pouring of the TBM access shaft diaphragm walls. Instructed to investigate the issue and determine how various repair options might affect the overall project timeline. Following the repair option chosen, assessed the forecasted project delays as a result of the incident and monitored the ongoing construction progress.

Insured Event Delays During Tunneling Project | Washington

Two separate insured events affected the construction of a major tunneling project consisting of a three mile, 18ft diameter wastewater storage tunnel and an eight-foot conveyance tunnel. Retained by insurers to determine the extent of project delay caused by both events and run various 'but-for' scenarios on each individual event, thus segregating the delay between the two.

Defective Concrete Delay During Railway Construction | Canada

Construction of a major light railway project was delayed due to defective concrete works to spans within an elevated section of the Project. Appointed to assess incident related delays resulting from repair and remediation of the defective design in addition to modelling different timeline scenarios resulting from the LEG exclusions in the policy.

Equipment Damage to Bridge Tower | Canada

During construction of a road bridge replacement project the hydraulic impact hammer, used for the piling of one of the bridge towers, fell into the river and damaged the piling falsework causing delays to the ongoing piling activities of the project. Retained by insurers to determine to what extent the piling delays would delay the forecast completion date of the entire project.

Agriculture

Fire at Egg Farm | Indiana

A large egg farm suffered a fire resulting in the total destruction of all farm buildings and the loss of c. 1.5m egg laying birds. Instructed to assess the period of restoration following the loss which was driven

HENRY DENSHAM, BSC MA MRICS LLB

DIRECTOR, TIME ELEMENT AND DELAY ANALYSIS SERVICES

by the construction of the barns, the procurement of the egg laying equipment and also the ability to procure 1.5m birds of egg laying age to populate the barns.

Fire at Poultry Rendering Facility | Alabama

A poultry rendering facility located suffered a catastrophic fire which halted various elements of the rendering process. The Insured decided to rebuild the plant to a different capacity at a different location. Instructed to produce a theoretical timeline of the period of restoration if the Insured had undertaken the rebuild 'as-was where-was'.

Tornado/High Wind Damage at Egg Laying Facility | Iowa

An egg laying facility suffered damage from tornados and high winds causing total losses to many, but not all, of the egg laying barns on site. Instructed to assess the period of restoration to restore the facility to the capacity that was achieved at the time of the Incident. This was made more complicated by the outbreak of avian flu during the rebuild period.

Power Generation (Renewables and Non-Renewables)

Lightning Damage to Windfarm | Minnesota

A 74 WTG, 250 MW, windfarm Project was hit by a lightning storm during construction causing blade damage to a number of completed WTGs that required repairs and blade replacement. I identify delays to the Project as a result of the Incident.

Turbine Damage to Combined Cycle Power Plant | Brazil

Instructed to undertake a delay analysis for a DSU claim on a combined cycle power plant project that was impacted during commissioning works due to the failure of the lube oil system. The issue caused significant damage to the turbine shaft which required repairs and, ultimately, replacement of the turbine. Performed a contemporaneous documentation review and developed a briefing note on the impacts on critical path completion.

Raw Material Theft to Power Station Construction | South Africa

A significant theft of raw materials occurred during the construction of individual elements of two coal fired power stations causing potential delays to the completion of the Project. Due to numerous other non-incident related delays to the Project, instructed to determine if the time taken to re-procure the stolen material caused any material delay to the overall Project completion date.

Flooding to Steam Generation and Power Plant

Major flooding occurred at a vintage steam production and gas fired power station facility causing significant damage. Following the Insured's decision to rebuild to a different design, instructed to identify the duration of repairs that would have been undertaken to return the plant to the condition it was in prior to the flood.

Wind Damage to Wind Farm | Michigan

High winds caused oscillations to partially constructed WTG towers on a 136 WTG, 385 MW windfarm project causing damage to internal tower components. Instructed to identify the period of repairs to the affected towers and the resulting total delay to Project completion above what would have been experienced in any event. Appointed to identify the extent of the Project delays in addition to

determining the amount of delay that would have been experienced had the mitigation measures not been implemented.

Hurricane Damage to Turbine Blades | Texas

A hurricane damaged turbine blades staged for installation on a 118 WTG, 270 MW, windfarm Project. The Insured reported associated delays to Project completion due to the need to reprocure and repair damaged blades in addition to the schedule re-sequencing required. Instructed to assess the Incident related delays to the Project as a result of the Incident above delays that would have been experienced in any event by various non-Incident related issues.

Industrial/Chemicals

Industrial Explosion at Polysilicon Plant | Tennessee

A polysilicon plant was affected by an explosion and subsequent fire that caused extensive damage to critical areas of the manufacturing facility. Identified additional construction activities in the rebuild timeline that were not required to repair the property to the condition it was in prior to the loss. Produced a theoretical timeline assessment of the duration of repairs if works were solely undertaken to reinstate the property to its pre-loss condition.

Fire at Organic Peroxide Plant | Texas

An organic peroxide plant suffered power outages to various cooling systems leading to the combustion of overheated chemicals. Reviewed the reinstatement timeline of the fire damaged plant and equipment and identified non-incident related upgrade works to various systems that prolonged the duration of repairs. Provided an assessment of the reinstatement timeline if like-for-like repairs had been undertaken.

Fire at Wood Pellet Storage Facility | Texas

A major wood pellet storage facility was damaged by fire causing the need to rebuild various elements of the facility. Instructed to identify the reasonable period of restoration to the facility by removing any time unrelated to repairing the damage arising from the incident.

RECENT SPEAKING ENGAGEMENTS

- Loss Executives Associate, January 2024: “Information Requests for DSU Claims – What is Required, What is Received...What Can We do?”
- Perrin North America Construction Conference, January 2024: “Timeline Analysis for Delay in Startup Claims”
- Builder’s Risk and Construction Symposium, May 2023: “Extended general conditions”
- Houston Marine and Energy Conference, September 2023: “A turbulent affair – things that go bump in the night”