



Case History LANDFILL FIRE CONTROL

City of Vancouver DLC Landfill Fire, January 2009

When a major landfill fire erupted in the Western 40 Hectare operational area of Vancouver Landfill, Sperling Hansen's subsidiary company Landfill Fire Control Inc. (LFCI) was immediately called in to assist. A rapid assessment determined that the fire was burning deep within a demolition, land clearing and construction waste debris (DLC).

- *A rapid assessment determined that the fire was burning deep within a demolition, land clearing & construction waste debris (DLC).*
- *The fire was initially attacked by water bombing at surface; however, this failed to fully extinguish the fire. A decision was then made to isolate and overhaul the fire.*
- *A Unified Command structure was implemented responsible for overall coordination of Delta's Fire Department and heavy equipment from JJM Construction.*
- *A strict health and safety plan was prepared to protect workers plus a half day safety indoctrination was held for all staff that included fit testing of respirators.*
- *U-shaped excavation around the edge of the fire prevented the blaze from spreading into the main landfill.*
- *Monitoring of combustion gases including CO, H₂S, O₂ and CH₄ monitored progress & determine when the fire was effectively extinguished.*

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Project Budget: \$242,400



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- Fire Extinguishment
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