

Incident Summary #II-733176-2018 (#8294) (FINAL)

SUPPORTING INFORMATION	Incident Date	August 20, 2018	
	Location	Armstrong, BC	
	Regulated industry sector	Gas - Natural gas system	
	Impact	Qty injuries	0
		Injury description	N/A
		Injury rating	None
	Damage	Damage description	Kitchen equipment damaged beyond repair
		Damage rating	Moderate
	Incident rating	Moderate	
	Incident overview	While cleaning kitchen equipment , gas fitting broke from appliance. This condition caused natural gas to escape from fitting and the escaping fuel ignited.	
INVESTIGATION CONCLUSIONS	Site, system and components	The piping system is the connection between the gas supply and the appliance. The piping system should be supported to maintain its integrity throughout the life of its use.	
	Failure scenario(s)	At the time of the installation of the appliance the piping systems fittings were overstressed by overtightening. When the appliance was then later moved for cleaning the overstressed connection broke loose from its fitting causing the gas to leak and then ignite.	
	Facts and evidence	Upon investigation the broken fitting showed signs of being overtightened by the lack of visible threads on the appliance connection.	
	Causes and contributing factors	The possibility of the overstressed connection s likely to have been compromised over routine cleanings and movements of the equipment. When this appliance was moved during regular cleaning the connection was stressed to the point of breaking, causing the gas leak.	

Photos or diagrams (if necessary)



Broken Connection Point



Equipment Side Connection Point