



# Buchanan and St Ambrose High Schools

June 6 2019

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# Summary

- Site History
- Site Remediation
- Water Quality
- Public Health

# Site History

- 1860s – Open grassland with coal pits and adjacent railway.
- 1930s – housing constructed to the north of site
- 1945 – 1972 – active landfill site
- 1990s – site landscaped and utilised as sports pitches
- 2007 - Following consultation exercise, decision taken to build new school campus.

# Site Remediation

- Site Investigation undertaken in 2008:
  - Results assessed against a standard that the land would be for residential use, for a 0-6 year old female exposed to 365 days per year.
  - Site was suitable for use.

# Site Remediation

- Further detailed risk assessment undertaken in 2010.
- Conclusion was that site would be suitable for use and no specific actions for any material.
- However, following recommendations made:
  - Risk management during development to deal with any issues during construction.
  - Incorporation of gas protection measures within school building.

# Site Remediation

- Remediation principle:
  - Source
  - Pathway
  - Receptor

# Site Remediation

- Remediation actions taken:
  - 110 validation samples taken during construction
  - 5 lead hot spots identified and contained beneath sports pitches, car park and school building.
  - 2 areas affected by asbestos – removed from site.
  - Material identified as not suitable for reuse removed.
  - All exposed landscaped areas covered in a minimum of 0.6m of clean imported soil.

# Site Remediation

- Gas Protection Measures
  - Gas resistant membrane installed beneath school building.
  - Active gas venting system installed within school building.
- Water Supply Pipe
  - Wrapped iron supply pipe fitted.
  - Inspected and approved by Scottish Water
- Site safe and fully fit for purpose



# Water Quality

- “Blue Water” concerns received in 2017.
- Not an unique problem.
- Cause due to copper piping.
- First solution – regular flush system.
- Not fully effective.
- Samples taken of water supply across school campus – evidence of Copper levels higher than recommended levels.
- Sample at inlet proved satisfactory.

# Water Quality

- Following sample results decision taken to replace all copper piping within school.
- Undertaken during Oct/ Nov 2018
- Number of samples taken since and all have been found to be satisfactory.
- No further complaints of “blue water”
- Final copper pipe replacement being undertaken over school holiday
- Cause associated with commissioning period.

# Information

- Media coverage
- Lack of transparency
- All information now available at one location:
- [www.northlanarkshire.gov.uk/BuchananStAmbrose](http://www.northlanarkshire.gov.uk/BuchananStAmbrose)