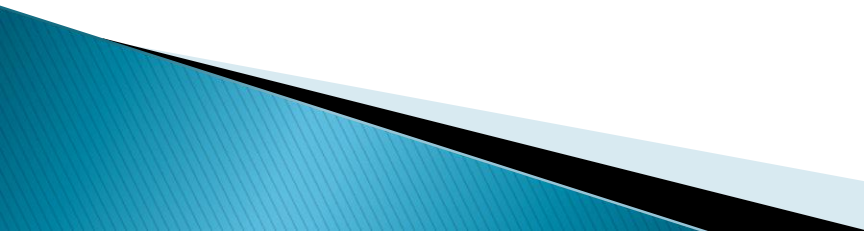


Update on Story Mill Landfill Corrective Measures Assessment

City Commission
September 22, 2014



Landfill Remediation System

- ▶ Remediation system is intended to prevent contaminant migration off site
 - ▶ Installation is regulated by the Department of Environmental Quality (DEQ)
 - ▶ A Corrective Measures Assessment (CMA) is required
 - ▶ CMA is used to evaluate and select a remediation technology
- 

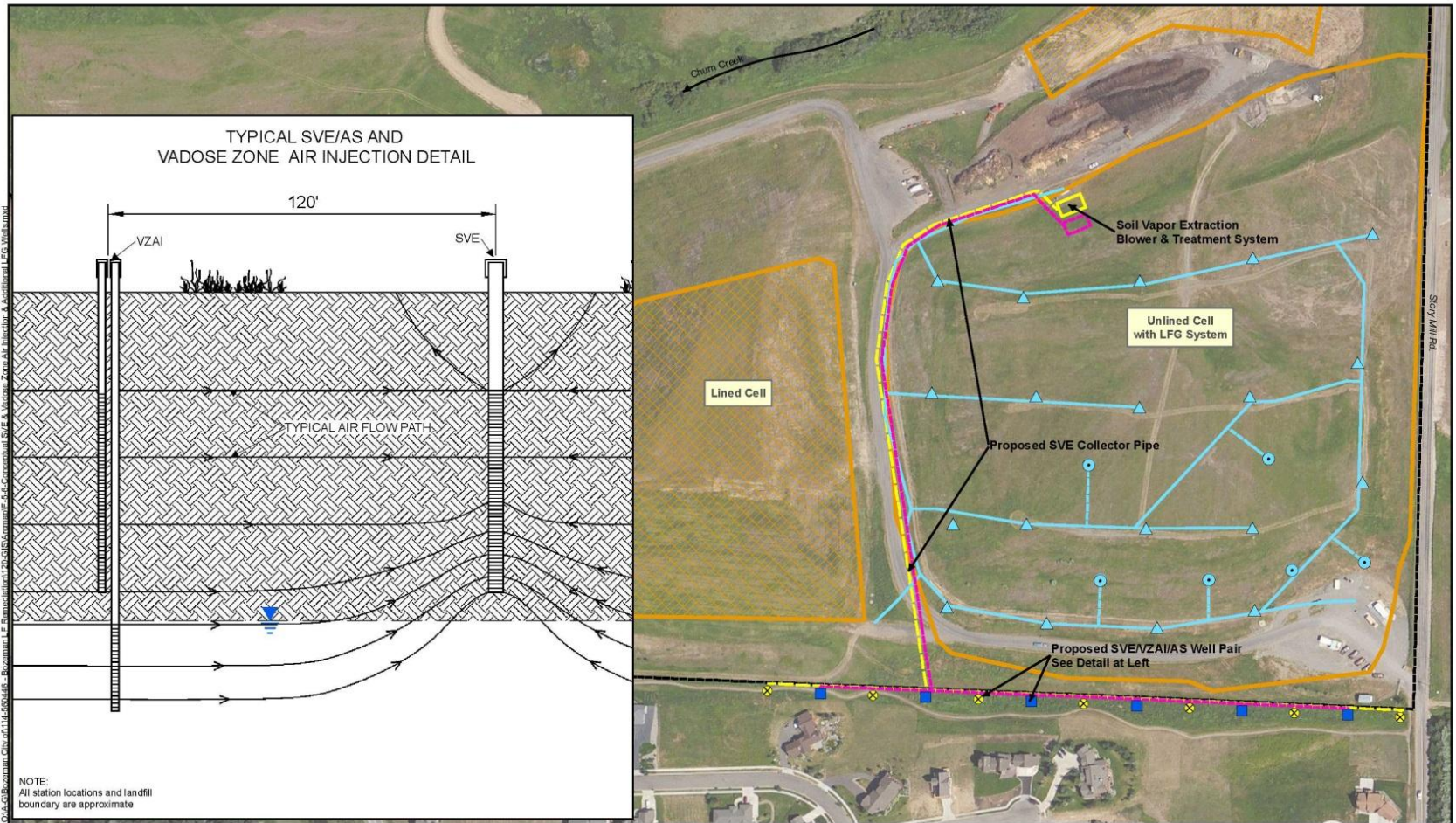
The Corrective Measures Assessment Process

- ▶ September 4, 2014 -CMA submitted to DEQ
- ▶ September 18, 2014 - DEQ accepted CMA
- ▶ DEQ will publish the CMA this week
 - Starts a 30 day comment period (extended if necessary)
 - Written comments must be **provided to DEQ** (see DEQ Solid Waste Program website for details)
 - DEQ public meeting scheduled for October 15, 2014
- ▶ CMA is available on the City Website

Overview of the CMA

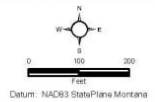
- ▶ Seven Alternatives Evaluated
 - No Action – Removal of Landfill – Groundwater Pumping and Treatment – Four Soil Vapor Extraction Options
- ▶ Criteria Considered
 - Ability to meet objectives
 - Effectiveness
 - Time requirements
 - Institutional requirements
 - Practical capability of the owner
 - Community concerns
 - Cost

Recommended Alternative: Soil Vapor Extraction + Vadose Zone Air Injection + Air Sparging + Landfill gas Extraction



C:\A\B\Bozeman_City\414_526416_Bozeman_LF_Environmental\120_GIB\Drawings\5-6_Conceptual_SVE_VZAI_Air_Sparging_Landfill_Gas_Extraction.dwg

NOTE:
All station locations and landfill boundary are approximate



- Proposed Vadose Zone Injection/Air Sparging Wells
- ▲ Existing Landfill Gas Extraction Well
- Proposed Additional Landfill Gas Extraction Well
- ⊗ SVE Well Location
- Existing Landfill Gas Collection Pipe
- Proposed Landfill Gas Collection Pipe
- Proposed Air Sparge Pipe
- SVE Collection Pipe
- Landfill Property Boundary
- Class IV Cell
- Lined Landfill
- Unlined Landfill
- ~ Flow Direction

Conceptual SVE, Vadose Zone Air Injection/Air Sparging & Additional Landfill Gas Extraction Well
 Revised Corrective Measures Assessment
 City of Bozeman Landfill
 Bozeman, Montana
 FIGURE 5-6

DEQ Public Meeting
Story Mill Landfill CMA
October 15, 2014
Bozeman City Hall
Commission Room
6:00 pm

<http://deq.mt.gov/Notices/SolidWastelegalpublicNotice.mcpX>

<http://www.bozeman.net/Projects/Bozeman-Landfill-Soil-Gas-Study/News/Approved-Corrective-Measures-Assessment>