

US EPA ARCHIVE DOCUMENT

PRECIPITATE AND CORROSION AT THERMOCOUPLE CONNECTOR



OPERATIONAL PROBLEMS AND TROUBLESHOOTING

- **PROBLEM: Backflow/Surge of leachate from injection wells**
 - Leachate ejection onto base of wells
 - Backflow into air pipes when blowers are off)
 - Probable cause:
 - excessive internal gas production and associated pressures along with increasing heat



LEACHATE BACKFLOW/SURGE



LEACHATE BACKFLOW/SURGE



LEACHATE SURGE



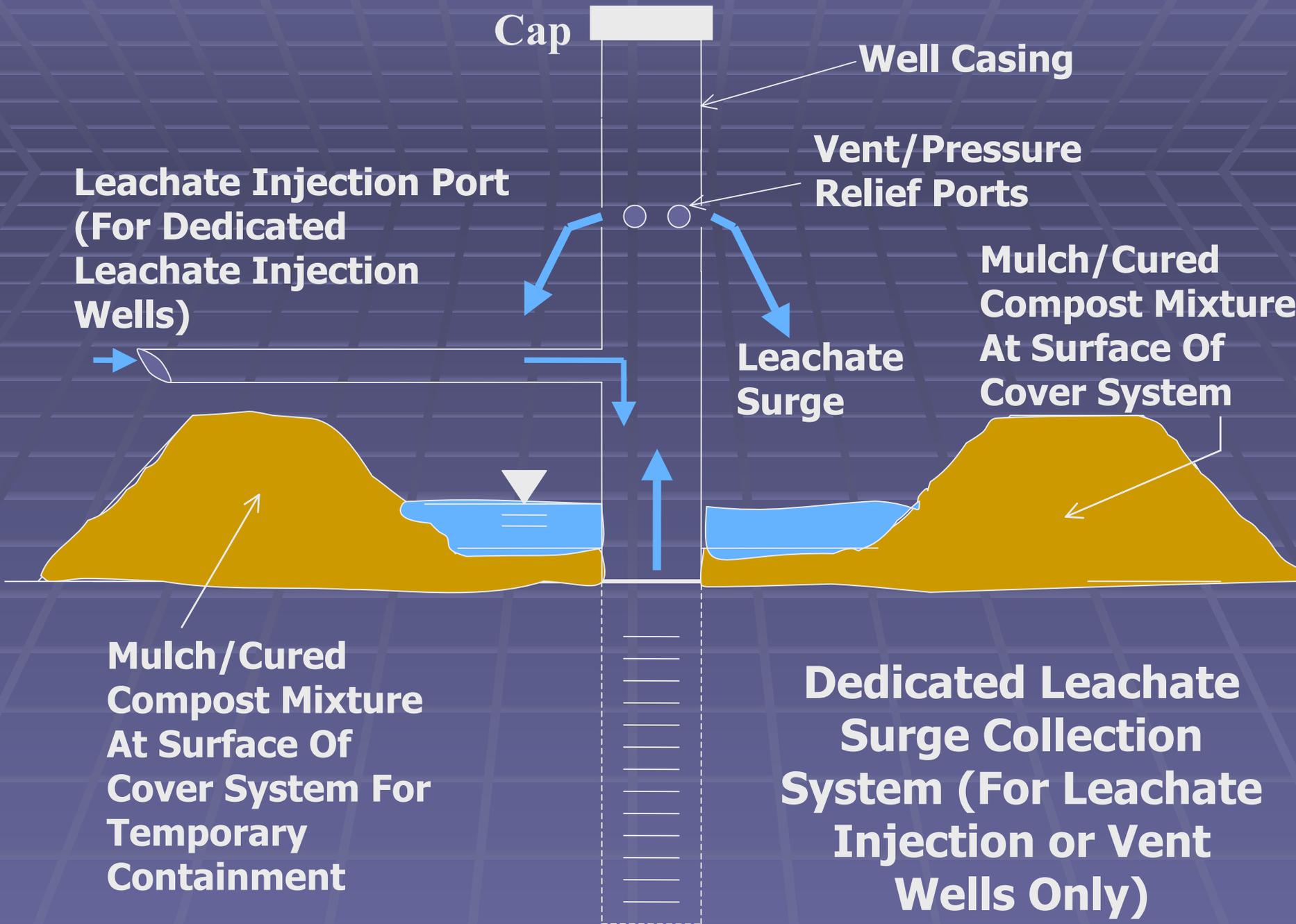
**Staining
From
Leachate
Eruption
From Well**

OPERATIONAL PROBLEMS AND TROUBLESHOOTING

SOLUTION:

- **Throttle valves at well heads;**
- **Construct mulch berms to contain surcharge and prevent it from leaving site as stormwater;**
- **Periodic leachate dosing;**
- **Check valves on air lines to prevent leachate backflow**





Cap

Well Casing

**Leachate Injection Port
(For Dedicated
Leachate Injection
Wells)**

**Vent/Pressure
Relief Ports**

**Leachate
Surge**

**Mulch/Cured
Compost Mixture
At Surface Of
Cover System**

**Mulch/Cured
Compost Mixture
At Surface Of
Cover System For
Temporary
Containment**

**Dedicated Leachate
Surge Collection
System (For Leachate
Injection or Vent
Wells Only)**