

Financial Assurance Cost Estimate Example

This document provides an example of what items should be included in a cost estimate for financial assurance (FA) for engineered controls (EC) in accordance with the RSRs. The FA amount must cover costs for the Department to hire a third party to perform the monitoring and maintenance of the EC in the event that the Property Owner does not. The inspection and maintenance costs provided below must include an itemized list of the required tasks and breakdown of associated costs (please see the Itemized Cost Estimate table as an example).

Disclaimer:

The numbers presented in this document should in no way be utilized to prepare a cost estimate to be submitted to the Department. Additionally, the items and costs presented in this document are not an exhaustive list of items and costs associated with monitoring and maintaining an engineered control.

*This is a **hypothetical** case where an impermeable cap was installed as an EC.*

Rem ID#: _____
 Site Name: _____
 Site Address: _____

Item	Unit Cost:	Quantity	30 Year Cost:
Inspection	600	30	18,000
GW Monitoring	2000	30	60,000
GW Analysis	2080	30	62,400
Annual Report	1000	30	30,000
Maintenance (landscaping; repair pavement, others as required)	3400	30	102,000
Repaving at years 15 and 30	50,000	2	100,000
SUBTOTAL:			372,400
15% Contingency:			55,860
TOTAL 30 YEAR COST:			428,260
20% of 30 YEAR COST:			85,652

Notes:

- 20% of the 30 Year Cost to be submitted within 120 days of completion of construction of EC (Section 22a-133k-2(f)(2)(D))
- FA should be adjusted for inflation every 5 years (Section 22a-133k-1(f)(4))
- Inspection costs should include the cost for DEEP to hire a TEP or LEP to conduct the inspections
- GW monitoring cost should include, but may not be limited to cost for DEEP to hire a consultant to collect 3-4 groundwater samples per event, rental equipment, labor, travel, etc
- Annual Report costs should include the cost for DEEP to hire a TEP/LEP to prepare the annual report documenting the GW sampling, inspections, and maintenance
- Maintenance costs should include, but may not be limited to repairing asphalt pavement, mowing, trimming, removing debris from stormdrains, etc

Itemized Cost Estimate Example

Item	Unit Cost	Quantity	Total Cost
Inspections			600
quarterly visual inspections	100	4	400
inspection following extreme weather event	100	2	200
Groundwater Monitoring (semi-annual)			2000
personnel to sample wells	100/hr	12	1200
rental equipment (pump, interface probe, flow through cell with water quality meters, etc)	250/d	2	500
vehicle	50/event	2	100
sampling equipment (PPE, tubing, etc)	100/event	2	200
Groundwater Analysis (semi-annual sampling at 4 wells)			2080
VOC	80	10	800
metals	80	8	640
ETPH	80	8	640
Annual Maintenance			3400
repairing cracks	1/ft ²	1000	1000
landscaping	150/event	12	1800
snow removal	100/event	4	400
debris removal	100/event	2	200
Repaving	5/ft²	10,000 ft²	50,000