## REVISION 1.00

## Expenditure Plan for Chadwich Lane Quarry Landfill

## CHADWICH LANE QUARRY WHOLE LANDFILL

Environmental Issue	Description of Potential Works	Quantity	Rationale / Comment	Unit	Rate	Cost (£)	Probability (%)	Probable Cost (£)	Period of Aftercare (Years)	Anticpated Total Cost (£)
									1 to 3	
	Monitoring on Completion of Landfilling:									
	Annually - includes reporting, monitoring and analysis	3	3 boreholes once per annum	No.	£200	£600	100	£600	£1,800	£1,800
	Quarterly Monthly - includes reporting, monitoring and	3	3 borehole two times per year	No.	£35	£245	100	£490	£1,470	£1,470
	Six monthly-includes reporting, monitoring and analysis	3	3 borehole two times per year	No.	£250	£750	100	£1,500	£4,500	£4,500
	Monthly	0		No.	£42	£0	0	£0	£0	£0
	Provision of replacement groundwater level/quality monitoring boreholes compared to present.	1	Over the aftercare period	No.	£1,000	£1,000	100	£1,000	£1,000	£1,000
	Supervision and reporting installation works.	1		-	1	£1,500	100	£1,500	£1,500	£1,500
	Monitoring on Completion of Landfilling:									
	Annually - included with the leachate monitoring	0		No.	£106	£0	100	£0	£0	£0
	Six Monthly - included with the leachate monitoring	0		No.	£0	£0	100	£0	£0	£0
	Quarterly - included with the leachate monitoring	0		No.	£54	£0	100	£0	£0	£0
	Provision of surface water ditchcourses/collection facilities		Covered under works permit						***	
	around the perimeter of the phase.	0		m	£0	£0	80	£0	£0	£0
	Monitoring on Completion of Landfilling:						•			
	Quarterly monitoring	4	5 Internal and 8 external monitoring points	No.	£200	£800	100	£800	£2,400	£2,400
andfil Gas	Annual monitoring flux box test not required as inert landfill	0			£0	£0	100	£0	£0	£0
Capping Restoration of the Landfill	Clay Cap	0	Area of phase/landfill	m²	£0	£0	100	£0	N/A	£0
	Supervision of the capping works.	0	Area of phase/landfill	-	£0	£0	100	£0	N/A	£0
	Provision and installation of field drainage	0	Area of phase/landfill	0	£0	£0	50	£0	N/A	£0
	Sourcing and supply of top soil	1	Area of phase/landfill	m3	£1.50		100			£0
	Grass seeding	0	Area of phase/landfill	m²	£0.05	£0	95	£0	N/A	£0
	Grass cutting/maintenance	0	Area of phase/landfill	m²	£0.1	£0	95	£0	£0	£0
	Landscape planting (hedges only, not shrubs/plants)	0	Allowance	m	£1.2	£0	90	£0	N/A	£0
	Fencing (post and 2 strand barbed wire)	1	Perimeter boundary	m	£0	£0	1000	£0	N/A	£0
Miscellaneous	Survey for settlement assessment, including reporting.	1	Drone update		£1.500	£1.500	100	£1.500	£4.500	£4,500
	General maintenance of restoration and capping	1	Area of phase/landfill	rate	£550	£100	100	£550	£550	£550
	Site security fencing	0	Estmated length of repair	rate	£2.5	£100	0	£0	£0	£0
	Treatment of differential settlement	1	Area of phase/landfill	rate	£600	£600	100	£600	£1,800	£1,800
leports	Annual report	1	Letter report			£500	100	£500	£1,500	£1,500
	Completion Application Report	1	<u>'</u>			£2,500			£2,500	£2,500
(for the whole landfill, <u>not</u> per phase)	Leachate build up (failure of the collection system)		Install leachate wells and pumps and recirculate leachate			£0	0	£0	N/A	£0
	Polluted surface water via leachate breakouts		Investigate and repair cap			£0	0	£0	N/A	£0
	Erosion of part of the cap and restoration soils (20m x 20m)		Investigate and repair			£0	0	£0	N/A	£0
	,					£10.195				

TOTAL

No specified events have been raised in the Risk Notes: Assessments

- 1) The above costs are based on 2022 prices
- 2) Survey costs based on fixed trig points set up on site and full annual survey
- 3) The "Probable Cost" is based on the likelihood of a particular item being required in the permit and weighted against all of the submitted risk assessments
- 4)Leachate monitoring is not required under the Permit
  5) The costs for "Period of Aftercare" are set at three years for inert landfill sites
- 6)Surface water monitoring isnot required
- 7)The costs cover the three exterior boreholes for groundwater and internal monitoring points 8) Costs provided for the clay capping works not required as this is an inert landfill.
- 9) Topsoil sourced from on site sources, not purchased and imported to site. Top soil from current stockpikles avaible as required under planning.
- 10) Annual report is simple letter form as approved with other Agency offices based on computer spreadsheets data

  11) Cost of fence maintenance considered with 500 metres of repairs over 3 year period at £2.50/ metre as most of site is three strands of barbed wire
- 12)At restoration phase surface water discharge will be natural runoff with no consent 13) Costs Line 13 supervision of internal monitoring point repair assuming two days and Line 15 is for replacement boreholes inclusive of preparation of CQA Plan

£23,520