

General information

Remover name	Eelco van Putten		
Project code	VPAL005		
Project name	Werkendam		
Location	Hoge Polderweg 3 4251 NX Werkendam		
Area	22.3	ha	
Start year	2022		
Duration	20	years	estimated permanence of removal and storage
Holding pool	20%		freed up when measurements confirm projection pathways
Project emissions	20%		LCA estimate, or specified when >20%

Per hectare

Baseline TEC	242	tCO2/ha	Soil Organic Carbon and Above Ground Carbon, following CDM AR-ACM0003
Reference capacity	266	tCO2/ha	Using CEDA and Soil sample data
Storage potential	24	tCO2/ha	Projection -/- baseline

Per project

Projected storage	533	tCO2	storage potential per ha x area
LCA emissions	107	tCO2	project related emissions
Net storage potential	427	tCO2	project storage -/- emissions over 20 years

Potential units issued

Units first 12 years	256	units	12/20 x net storage potential
Holding Pool	51	units	20% of the first 12 years
Potential units issued	205	units	

9.192825112

Field Code	Field name	Size (ha)	Owner
VPA-L-005-1	Parceel 1	9.9	Eelco van Putten
VPA-L-005-2	Parceel 2	12.4	Eelco van Putten
VPA-L-005-R	Reference		

[illegible]

Carbon Calculation for		VPAL005							
Surface	22.3 ha	Fields tab							
Capacity Reference SOC	1.64 SOC %	References tab							
Capacity Reference AGB	12.08 tCO ₂ e/ha	References tab							
	2022		2025	2031	2034				
Measurement average	1.467 SOC %		1.49 SOC g/kg	#DIV/0! SOC g/kg	#DIV/0! SOC g/kg				
Sample depth	25 cm		25 cm	#DIV/0! cm	#DIV/0! cm				
Calculation depth	30 cm		30 cm	30 cm	30 cm				
Soil density	1.426 g/cm3	#N/A	g/cm3	#DIV/0! g/cm3	#DIV/0! g/cm3				
SOC (soil carbon) / ha	230 tCO ₂ e/ha	#N/A	tCO ₂ e/ha	#DIV/0! tCO ₂ e/ha	#DIV/0! tCO ₂ e/ha				
AGB (above ground) / ha	12.08 tCO ₂ e/ha	#DIV/0!	tCO ₂ e/ha	#DIV/0! tCO ₂ e/ha	#DIV/0! tCO ₂ e/ha				
Storage current	5,400 tCO ₂ e	#N/A	tCO ₂ e	#DIV/0! tCO ₂ e	#DIV/0! tCO ₂ e				
Storage capacity	5,934 tCO ₂ e		5,934 tCO ₂ e	5,934 tCO ₂ e	5,934 tCO ₂ e				

Sources									
value	source	URL	Notes						
CEDA aboveground biomass carbon	https://climatee	https://dataceda	2018 data						
SOC	A critical review of the conventional SOC to SOM conversion factor (Geoderma, Volume 156, Issues 3–4, 15 May 2010, Pages 75-83)								
Density	Wageningen Ur	https://edepot.wu	We've added these soil density levels to the calculation factors tab						
Reference data for capacity									
SOC (soil)	4.6	%	* perceel 10 taken as reference						
AGB (above ground)	12.08	tCO2e/ha	* no change in AGB						

