Land to the West of Valley View Road, Whitehaven

Full planning application for 107 dwellinghouses and associated infrastructure including landscaping, open space, access, highway and drainage, 4/22/2332/OF1

Silt Management Reporting Plan

March 2023

1. Introduction

1.1 This Silt Management Reporting Plan has been prepared in association with Story Homes full application under Copeland planning reference 4/22/2332/OF1 for;

- Full planning application for 107 dwellinghouses and associated infrastructure including landscaping, open space, access, highway and drainage, 4/22/2332/OF1

1.2 This reporting plan is intended to demonstrate how Story Homes shall minimise the impacts of the development on the ecological interests of the adjacent water environment in compliance with the National Planning Policy Framework, and Policies ENV3 of the Copeland Local Plan 2013-2028.

1.3 This document should be read alongside;

- Construction Method Statement (March 2023)
- Surface Water Management Plan phase 1, drawing number 20095.90.9.SWMPP1 Rev B
- Surface Water Management Plan phase 2 drawing number 20095.90.9.SWMPP2 Rev B
- Surface Water Management Plan phase 3 drawing number 20095.90.9.SWMPP3
- HyTex Ultra Dewatering Bags brochure detail

1.4 It has been prepared in a similar vein to that in previous phases in consultation with the Environment Agency and will be compiled with unless otherwise agreed with Copeland Borough Council.

2. Incident Monitoring

Possible Accident/Incident	What would the environment harm be	How do we reduce the chances of it happening	What to do if it happens
Silt run off & fuel spillages			
Silt run off from the main site during periods of rain	Contamination of land, drains or watercourses	Daily checking of, settlement ponds, ditches, watercourse up and down stream, drainage outfalls, repair.	Follow the spill response procedure. It describes what to do in the event of a spill and where the spill kit is kept, and details of who to inform of the incident
Spillage during delivery of oil or fuel		Supervise fuel deliveries. Use drip trays and spill materials.	
Spillages during refuelling of plant or equipment		Plant and equipment will be refuelled in designated areas with impervious surface and will use drip trays and spill materials	
Fuel tank overfilling			
Overfilling of oil/fuel tanks during delivery	Contamination of land, drains, groundwater and watercourses	Stock level control checks, supervised delivery and high level alarms	Spill response procedure as described above
Failure of plant or equipment			
Leakages; due to faulty pipe works, valves, over pressure, blockages, corrosion, severe weather, ground movement and so on.	Contamination of land, drains, groundwater and watercourses	Daily visual inspection and completion of weekly inspection checklist record. Preventative maintenance regime	Spill response procedure as described above.
Puncture; of vessels and tanks etc due to impact – such as fork lift trucks	Contamination of land, drains, groundwater and watercourses	Tanks and vessels generally located within/on secondary containment facilities. Storage locations of drums and non permanent vessels protected by use of barriers or fencing. Movement of drums and containers using safe technique.	Spill response procedure as described above
Fire			

Fire	Smoke and pollution, firewater causes contamination of land, groundwater and watercourses	Separation of incompatible materials and of combustible materials and ignition sources. Incorporation of fire breaks into site layout and containment of fire water. No smoking policy, Maintain tidy site and minimize stockpile of combustible materials. Fire training and emergency drills.	Fire procedure describing what to do in the event of a fire, including details about fire alarms, exit routes and muster points, responsible personnel such as a fire warden and the location and use of emergency fire equipment such as extinguishers, hoses, sand bags and drain covers.
Contamination			
Due to transfer and mixing of incompatible materials, drainage cross connections and so on.	Explosion, smoke and pollution of air, contamination of land, drains, groundwater and watercourses.	Maintenance of up-to-date drainage plan, maintenance of inventory of substances with material property details. Procedure for contractors to work on site including induction training and permit to work.	Fire procedure as described above.
Flood			
Due to ingress of watercourse floodwater, blocked drains, burst water main, use of fire water	Contamination of raw materials, buildings, land, drainage system, groundwater and watercourses with fire and flood water	Maintenance of drains, and settlement ponds. Safe location for storage of hazardous materials	Flood procedure describing what to do in the event of a flood warning such as installation of barge boards, use of sand bags, movement or protection of sensitive material
Failure of Services			
Due to failure of supply; water, electricity, gas supply and of sewerage system.	Flooding, explosion with subsequent contamination of land, drains, groundwater and watercourses	Provision of standby facilities. Maintenance of up to date plans showing location of utility services. Procedure for contractors to work on site including induction training and permit to work.	Utility supply failure procedure describing what to do in the event of services supply failure such as manual shut down of process valves; start up of emergency generator, use of stanby materials etc. Flood and fire procedure as described above.
Failure of containment			
Failure of containment facilities due to land movement, impact, corrosion and so on	Contamination of land, drains, groundwater and watercourses	Provision of secondary containment for hazardous liquids.	Spill response procedure as described above.

		Inspection of primary and secondary containment facilities	
Vandalism			
Unauthorised entry and tampering or malicious damage to property, plant and equipment	Contamination of land, drains, groundwater and watercourses	Secure gate and perimeter fence. Site locked when un-manned, tanks and valves locked when not in use out of hours. Plant and equipment locked in secure storage out of hours. Security system installed	Spill response procedure as described above

3. Maintenance checklist

Items requiring maintenance	**How often**					**Who is responsible**
	Day	Week	Month	Year	Renew	
Silt bag, check daily operation, check capability	X					SM
Silt bag to be replaced after two months					X	SM
Settlement ponds, check daily for condition and capacity	X					SM
Settlement ponds, drain and remove silt monthly			X			SM
Settlement pond discharge outfall, check condition	X					
Settlement pond discharge outfall, vary position		x				

4. Incident Record

Date and time of the incident	
What happened, what was it about?	
Was anyone else aware of this – other witnesses? If so who?	
What caused it?	
What action did you take to fix the problem? Were external agencies involved?	
Was there any pollution – for example: oil entering a surface water drain. If so what?	
If there was then you must notify the Environment Agency on 0800 807060 ASAP. Have you done so?	Yes/No/Not applicable: Time: Date:
Please print and sign your name;	