

SITE MONITORING REPORT

Please find detailed below the report for the site monitoring undertaken on 22nd January 2019. If you should have any queries please do not hesitate to contact me.

File Ref: 14 421 12		Visit no: 4 of 4	
Monitoring Officer: Terry Burns Tel No: 03330 136440		Time on site 12:30 – 14:00 RIA 14:20 – 16:45SRC	Time off site: As stated earlier
Site Co-ordinator: Terry Burns		Tel No: as above	
Site Name: Martells Quarry, Slough Lane, Ardleigh			
Operator: SRC/RIA Site Representative: SRC representatives Matthew Ball (foreman Crown Quarry) along with David Marsh (DM) agent for SRC. RIA David Jenner (DJ). Also Alison Hart; Sarah McCarney and Norman Judd (Environment Agency); and from ECC: Almudena Quiralte, (Landscape Consultant); Anne Hooper (Arboriculture Consultant) and Suzanne Armstrong (Enforcement Officer)			
Permission Numbers:			
Landfill site: ESS/30/16/TEN: Continued restoration. ESS/17/14/TEN: Gas flare			
Quarry Site: ESS/43/14/TEN: Mobile Washing plant ESS/53/17TEN: Continuation of use of land for mineral extraction.			
Permission Number & Romp Date Due: See 'Inspection Result Summary'			
On going Submission of details noted from previous monitoring report:			
Permission No.	Condition No.	Scope of Condition and Action to be taken	
ESS/30/16/TEN	5	Operator (RIA) to submit details of western boundary treatment prior to ground raising in this area	
ESS/30/16/TEN	8	Operator (RIA) to submit details of ecology prior to re-entry of phases/cells.	
ESS/30/16/TEN	10	Operator (RIA) to submit details of Topographical Survey	
ESS/30/16/TEN	11	Operator (RIA) to submit details of Topographical land surveys	
ESS/30/16/TEN	27	Operator (RIA) to submit details of dust control	
ESS/30/16/TEN	40	Operator (RIA) to submit details of restoration	



ESS/30/16/TEN	41	Operator (RIA) to submit details of landscaping
ESS/30/16/TEN	42	Operator (RIA) to submit details of Aftercare
ESS/30/16/TEN	43	Operator (RIA) to submit details of Aftercare
ESS/17/14/TEN	3	Operator (RiA) to submit details of the specific plant to be used in the development and provide an update to the Noise Assessment based on that to be installed
ESS/17/14/TEN	5	Operator (RIA) Noise Monitoring required
ESS/53/17/TEN	8	Operator (SRC) Prior Archaeology
ESS/53/17/TEN	92	Operator (SRC) – Waste arisings
ESS/53/17/TEN	31	Operator (SRC) to reassess allowances for settlement at 3 yearly intervals once landfilling commences and progresses through each stage
ESS/53/17/TEN	34	Operator (SRC) –Odour emissions
ESS/53/17/TEN	42	Operator (SRC) Noise Monitoring
ESS/53/17/TEN	49	Operator (SRC) Subsoil placement
ESS/53/17/TEN	56	Operator (SRC) Plant Site Restoration
ESS/53/17/TEN	61	Aftercare

Constraints:

Weather: **Dry / Light wind / Rain / Snow**
Noise: **Acceptable / Not acceptable / N/A**
Approach Roads (to site): **Dry / Dusty / Wet / Muddy /Flooded**
Approach Roads (within): **Dry / Dusty /Damp / Wet/ Muddy / Flooded**
Ground: **Dry / Dusty / Wet / **Damp / Muddy** / Flooded**
Access: **Obstructed / **Not Obstructed** / Mud on Road / Ice / Slippery**
Wheel Cleaning: **Washer / Spinner / Sweeper/ **Not in operation****
Hose: **In use / **Not in Use** / N/A**
Machinery: ****Working (processing plant)/** Not working**
In correct position: **Yes / No / N/A**
Stockpiles: **Height = up to 5m**
Bunds: ****Profiled / Grassed / **Weeds – see below/** N/A****

Actions needed from last site visit were recorded as below and results:

SRC

- Weed infestation on bunds requires to be addressed. Update: **storage mounds remain weed infested.**
- No burning should be taking place on site. **Update: No burning remains in evidence.**
- Monitoring during the winter period of the suitability of the hard cored element of the access track to be monitored and alternative surfacing of

concrete to be implemented if situation of haul road deteriorates. **Update: To be monitored,**

- Addressing silt removal from land behind RIA weighbridge. **Update: No change from last report other than some more silt added onto the site. Previous report noted: Partially completed with silt removed from north eastern side of hedge. Remaining silt adjacent hardstanding still in situ.**
- Lowering of heights of stockpiles. **Update: some stockpiles in processing plant location reaching height limits..**
- Along the breaks in the boundary bund between the internal haul road and ditch leading into waterbody for these breaks to have grips/small bund to be placed across them to mitigate contaminated haul road run off into the ditch. **Update: Still outstanding.**

RIA

- Amenity Aftercare scheme for submission by 31st January 2019. **Update: Scheme awaited.**

Inspection Results Summary:

SRC

- Processing yard filled with various stockpiles of as dug and processed mineral. Stockpiles of crushed and screened material having been partially produced/processed through mobile crusher and screening units noted on site the week earlier. Advised crusher unit and screening plant now removed off site. A mobile screening unit was however parked up behind old bagging plant.
- Scrap car still on site behind workshop,
- Bagging of mineral taking place from bagging plant with associated stocks.
- Lagoon bunding has been raised.
- Clearance of scrub and spreading of surface soil/material has taken place from around lagoons through wooded copse located to east of active processing plant area and eastern site boundary/lake. Strip of tree felling/levelling has taken place through copse.
- Partial excavation of what appears to be the proposed lagoon for the recycling plant has begun. Also construction of silt trap adjacent southern site boundary has taken place with sheet shuttering between structure and perimeter boundary/hedgerow. Roots of hedgerow exposed along southern site boundary where concrete platform/kerbing has been partially laid. Platform construction also taking place elsewhere in processing plant location.
- Stockpiles within processing area height need to be monitored.
- Tipping of silt behind weighbridge addressed above. Operator awaiting capping programme on adjacent landfill site to accommodate this

material.

- Trees recently planted along pipeline route are now competing with weed growth.
- Bunds on site will need appropriate weed control as they reappear.
- Excavation void not being worked at time of visit. The working face on the west is open with benching. The previously extracted void base is uneven with a perimeter water filled channel on the eastern and northern sides. Working out of part of the eastern batter slope and working out of the northern batter and part of the northern buffer strip has taken place on the northern face, Some collapse of the near vertical eastern boundary face was evident with some three slippages present.
- As previously noted, internal access track from excavation void back to corner near rumble strip has had ditches cleaned, side bund removed, surface of track made up of imported material and graded towards ditch to improve drainage. Side barrier protection now includes lego style blocks following bund removal along most of length. Remaining bund nearer excavation area. Breaks in bund need grips to prevent excess runoff into water body. This action remains outstanding from previous visits.
- Previously stripped area of land now likely to be left for a number of years. This area is separated from main void by stockpiling of material of silt/interburden nature. Area of previously deposited silt within northern corner of excavation area remains. Again operator is reminded this is not a tipping /stockpiling location.
- The various issues picked up at the void were discussed centering around:
 - (i) Clearance of the ground/copse around existing lagoon and around southern and into eastern site area boundary where two large linked swathes of scrubby poor quality woodland (mainly willow/elder/birch etc. with heights to approximately 12m) have been cleared on the north eastern side of the site which appeared to have been undertaken very recently..
 - (ii) Prejudicing the determination of the current recycling application with the creation of the concrete platform which is also contrary to the extant planning permission and damage to southern boundary hedgerow line. This new concrete hardstanding with kerbed edge and integral drainage channel has been installed close up to the boundary hedge, within the root protection area of the adjacent hedgerow. At the time of site visit, both fibrous roots (which supply trees and hedges with moisture and nutrients) and structural roots (which anchor plants in the ground) had been visibly severed by mechanical digger. This has the potential to affect plant health and stability.
 - (iii) Prejudicing the determination of the current recycling application with the creation of the new lagoon works together with a structure thought to be a silt trap has been constructed in a location other than that shown on the drawings as supplied. Piled casons have been driven in

between the hedge and the structure, and roots have been severed. Prejudicing the determination of the current recycling application by the prevention of landscape bunding/planting being achieved along the southern site boundary/recycling plant footprint by the concrete platform.

- (iv) Potential archaeological interest disruption by the ground disturbance activities.
- (v) Within southern void the unauthorised removal of mineral from removal of batter along eastern void boundary; safety aspect of the near vertical face and interrelationship to third party land and infrastructure.
- (vi) Unauthorised removal of mineral from along northern void site boundary; through the removal of unworked buffer zone (around 10 metres scaled from approved working plans) as well as batter and exposure of further tree roots.

RIA

- DJ confirmed landfill quiet and very little active importation taken place since last monitoring visit.
- Silt deposits still present within land parcel behind site weighbridge. DJ confirmed this to be used as part of contract between SRC/RIA for use early next year onto landfill site.
- Machinery parts and structures removed from land parcel behind weighbridge office and placed, awaiting disposal, alongside weighbridge.
- Clay stockpile being reduced in height. Levels in north east corner of clay stockpile area now reaching final restoration level.
- Soil bund some 7-10 metres in from western hedgerow to demarcate standoff. Drainage lines to be provided on landfill side up to bund. Proposed working method along western hedgerow has been submitted and method of working with small excavator outside of tree canopy and hand digging beneath tree canopy was discussed on site. Determination of the submission will be undertaken post site visit.
- Restoration regrading has taken place on northern site boundary with internal bund now removed and clay layers regraded to create shallower grading towards site boundary.
- Envisaged that the western half of the site starting restoration April 2019. April 2020 for cells 5 -9 with work then reverting to cells 1- 4.
- Previous discussion on options for removal of some of the self set oak trees from eastern site boundary to donor sites within site with DJ liaising with Anne Westover/TB still awaited.
- Two experiences of odour reported since last monitoring visit due to sensor switching off flare.

Actions to be taken before next site visit:

SRC

- Grips to be installed.
- Weed infestation on bunds requires to be addressed.
- No burning should be taking place on site.
- Monitoring during the winter period of the suitability of the hard cored element of the access track to be monitored and alternative surfacing of concrete to be implemented if situation of haul road deteriorates.
- Addressing silt removal from land behind RIA weighbridge.
- Monitoring heights of stockpiles.

Action needed to address the issues arising on site and submission within 5 working days of the 23rd January 2019:

- Clarification and action points for addressing clearance of woodland within this north-eastern part of the site. This has also opened up views into site from highway/footpath.
- Works prejudicing current application to stop immediately including excavation into ground; clearance works and laying of concrete.
- The concrete hardstanding will need to be stripped back and the void backfilled with good quality topsoil. Same goes for the area by the new concrete structure with the piling.
- The concrete platform for the processing plant area needs regularising.
- Agent to survey in these works and to provide actions/programme of rectification works together with appropriate cross sections. Strongly recommended that a bund is positioned between the hedge and revised concrete position, with a hedge to be planted on top to give additional screening and height as per site discussion.
- Given thinness of hedgeline where this silt trap has taken place there is opportunity to also add some new additional hedge planting into the existing hedge. **No further excavations should be undertaken in this vicinity.**
- The silt trap/casons need to be surveyed in and either removed or addressed on revised site plans.
- The extraction area to the south has now been excavated almost right up to the exiting mature trees, again with roots visibly severed. This is not in accordance with the ten meter buffer zone as shown on the approved working/infilling plans. Agent to survey in faces and presenting programme of reinstatement of buffer zones and batters along both northern and eastern boundary.
- Any plant losses must be replaced.
- Despite previously requesting an Arboricultural Impact Assessment in accordance with BS5837:2012, one has not been provided. We noted that a root protection area has been marked on one of the plans but not Arboricultural Impact Assessment has been submitted alongside.

Post monitoring points:

Agent to confirm topographical survey data for void area.
Planting scheme potentially for the rest of site boundary into eastern corner.

RIA

- Amenity Aftercare scheme for submission by 31st January 2019.
- Landscaping and aftercare details for submission.

Note: The actions noted in this report are required in order to ensure adequate progress is made and to avoid potential enforcement action against a breach of planning control.

Date of next meeting 02/04/19 - RIA 12:30; SRC 13:30

Date of report: 25/01/19

