

ENVIRONMENTAL RISK ASSESSMENT

Unit 27, Castle Park Industrial Estate, Flint, Flintshire, CH6 5XA

New Horizon Plastics Co Ltd

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1.1	14/04/2020	CP	--	NRW comments; refer to Schedule 5 Notice response for amended sections
1.2	27/04/2020	CP	--	NRW comments; amended noise/vibration section
1.3	07/05/2020	CP	NHP	NRW comments; addition column re. drainage to surface water and amended hydrocarbons column

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- Appendix I - Risk Assessment Table**
- Appendix II - Receptors Plan**

1 Introduction

- 1.1 This Environmental Risk Assessment (ERA) considers the potential and actual risks associated with the use of the site at Unit 27, Castle Park Industrial Estate, Flint, Flintshire, CH6 5XA as a plastics recycling facility to be operated by New Horizon Plastics Co Ltd.
- 1.2 All site staff should be provided with a copy of this ERA and be aware of where it is located on site.
- 1.3 All environmental risks identified in this document should be acted upon accordingly by site management to ensure all environmental risks can be appropriately managed/controlled.
- 1.4 This document primarily considers environmental risks associated with the site. This does not aim to provide detailed Health and Safety risk assessments as required separately through the necessary legislation.
- 1.5 The Environmental Permit is required for the storage (keeping) prior to removal, and treatment (all types of handling/processing) of waste. Waste treatment processes to be carried out on site may include the following:
- Compaction using 360° excavator.
 - Manual sorting/separation with loading shovel, 360° excavator or by hand.
 - Mechanical sorting/separation/screening by using appropriate mechanical screening plant and equipment)
 - Crushing by using appropriate mechanical plant
 - Drying using dehydrator
 - Washing, shredding, granulation (by mechanical equipment)
 - Baling (by use of balers)

1.6 Specified waste management operations include waste disposal and waste recovery operations listed Annex I and II of The Waste Framework Directive 2008/98/EC and are listed in summary below:

R3: Recycling or reclamation of organic substances.

R4: Recycling or reclamation of metals and metal compounds.

R5: Recycling or reclamation of other inorganic materials.

R12: Exchange of waste.

R13: Storage of waste pending recovery.

D15: Storage of waste pending disposal.

2 Site Receptors

- 2.1 A Sensitive Receptors Plan has been provided Appendix II of this document.

3 Environmental Risk Assessment Model

3.1 Fundamental Considerations

- 3.1.1 **Source/Hazard:** A property or situation that in particular circumstances could lead to harm.
- 3.1.2 **Consequences:** The adverse effects or harm as the result of realising a hazard which causes the quality of human health or the environment to be impaired in the short or long term.
- 3.1.3 **Risk:** A combination of the probability of occurrence of a defined hazard and the magnitude of the consequences of the occurrence.

3.2 Pathway

- 3.2.1 Important in the assessment of a particular risk(s) and to inform the subsequent management of the risk(s) is the identification of the pathway(s) through which the risk may affect the identified receptor(s). The following are examples of pathways:
- Air (windblown dust etc.)
 - Ground (leaching of contaminants into underlying aquifers).
 - Water (hydrocarbon run off into surface waters)
 - Direct contact / exposure

3.3 **Consequences**

- 3.3.1 The following table highlights the consequences of the hazard(s) identified and the abbreviations for each as used in the Risk Assessment Table in Section 3:

Abbreviation	Consequences
A	Minor Injury
B	Major Injury
C	Death
D	Air Pollution
E	Water Pollution
F	Pollution of Land

3.4 **Effects of Consequences**

- 3.4.1 In order to quantify the level of risk and identify the appropriate management procedures, the potential effects must be considered, as outlined in the table below:

Abbreviation	Consequences	Management Requirements
S	SEVERE	In all cases
Mo	MODERATE	In most cases
Mi	MILD	Occasionally
N	NEGLIGIBLE	No

- 3.4.2 Note: “Management” is the action required to reduce the risk of a hazard causing a problem on site. Contingency measures are procedures which are in place to reduce the consequences of a hazard.

3.5 **Risk Estimation and Evaluation (Probability/Frequency of Occurring Hazard)**

- 3.5.1 The following table allows the likelihood of an occurrence of an identified risk to be assessed:

Abbreviation	Probability	Evaluation
1	Very likely	Could occur during any working day
2	Likely	Could occur regularly
3	Possible	Event possible
4	Unlikely	Event very unlikely

3.6 **Risk Assessment Outcome (Combination of Probability & Consequence)**

- 3.6.1 The following table shows the resultant risk of an identified hazard or potential situation. This uses the hierarchy of both probability and consequence to assess the level of risk. The level of risk determines what level of management would be required in order to reduce the risk of occurrence and/or scale.

		Consequence			
		S	Mo	Mi	N
Probability	1	High	High	Medium	Low
	2	High	Medium	Low	Near-Zero
	3	Medium	Low	Near-Zero	N/A
	4	Low	Near-Zero	N/A	N/A

- 3.6.2 Where the risk assessment outcome is high, first-level management of the risk is essential, i.e. removal of hazard, implementation of major infrastructure/structural design measures to contain the risk/hazard and company policy changes to incorporate the management of the risk. All risk management measures must be supplemented with detailed induction training, spot training and tool-box talks to ensure all site staff and users are made fully aware of the risk/hazard, all potential consequences and necessary management and contingency procedures.

- 3.6.3 Where the risk assessment outcome is medium, the management of the risk should be tackled by management or delegates. If removal of the hazard is not possible, management will normally be met through implementing minor structural design measures or by imposing procedures for the prevention of occurrences which will be conveyed to all site staff through the appropriate training, including any contingency measures/procedures.
- 3.6.4 Where the risk assessment outcome is low, the management of the risk can be done wholly through appropriate training to site staff including any contingency measures/procedures.
- 3.6.5 Where the risk assessment outcome is near-zero, site staff should be made aware of the possibility of an occurrence and contingency measures should be readily available to all staff should they be required.

4 Risk Assessment Table

- 4.1 The following pages contain the site-specific risk assessment for the site with appropriate remedial actions, recommendations and comments included for each identified hazard, potential contaminant or situation.
- 4.2 The table also contains references to the appropriate section(s) of the site's EMS for additional management procedures.
- 4.3 As discussed in Section 3.6 above, all situations which identify a risk from Low – High should be incorporated into the staff/visitor training schedule, where appropriate and acted on as required.

SEE TABLES OVERLEAF

Appendix I

RISK ASSESSMENT TABLES

Hazard / Potential Contaminant or Situation	Source(s)	Pathway	Receptor(s)	Consequences	Effect	Probability	Assessment Outcome	Remedial Action/ Recommendations/ Comments
DUST / PARTICULATES	SITE SURFACES (DRY AND WINDY WEATHER) WASTE DELIVERY VEHICLES (DRY AND WINDY WEATHER)	AIR	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS SURFACE WATER TO THE NORTH OF THE SITE DEE ESTUARY SSSI, SAC, SPA & RAMSAR FLORA & FAUNA WELSH COASTAL PATH	A, B, D, E	Mo	3	Low	REFERENCE SHOULD BE MADE TO SECTION 4.4 OF THE EMS. SITE SURFACE WILL BE IMPERMEABLE CONCRETE THEREFORE REDUCING THE RISK OF DUST ARISING FROM UNSURFACED AREAS. WASTE TYPES ACCEPTED PRESENT VERY LOW RISK OF DUST POTENTIALLY DUSTY LOADS SHEETED ON ARRIVAL AND EGRESS FROM THE SITE DROP HEIGHTS WILL BE KEPT TO A MINIMUM. CONTINUOUS MONITORING REGIME IN PLACE TO IDENTIFY ANY POTENTIAL FOR DUST LEAVING SITE BOUNDARY. COMPLAINTS PROCEDURE IN EMS IN PLACE. CLEANING OF ANY SPILLAGES USING WET CLEANING METHODS THE SITE DOES NOT RECEIVE ANY WASTE TYPES WHICH WOULD BE REGARDED AS POTENTIALLY DUSTY. AVAILABLE WATER SUPPLY ON SITE FOR DUST MITIGATION. APPROPRIATE SITE SPEED LIMITS WILL BE ENFORCED DURING TIMES OF EXTREME WIND, THE PLANT WILL CEASE TO OPERATE.

ODOUR	<p>STORED BIODEGRADABLE WASTE</p> <p>CRACKS IN CONCRETE LEADING TO TRAPPED WASTE</p> <p>WARM WEATHER</p>	AIR	<p>SITE PERSONNEL/ VISITORS</p> <p>SURROUNDING SITE USERS/OCCUPIERS</p>	A, D	Mi to Mo	3	Low to Near Zero	<p>STRICT WASTE ACCEPTANCE PROCEDURES TO IDENTIFY POTENTIALLY ODOROUS WASTES AND THEIR CONTAINMENT</p> <p>THE SITE DOES NOT RECEIVE ANY WASTE TYPES WHICH WOULD BE REGARDED AS HAVING SIGNIFICANT ODOUR POTENTIAL I.E. PUTRESCIBLE, FOOD OR GREEN WASTE</p> <p>REJECTED WASTES TO BE QUARANTINED PRIOR TO REMOVAL OFF SITE</p> <p>DAILY MONITORING AND COMPLAINTS PROCEDURE IN PLACE</p> <p>ODOROUS WASTE NOT STORED IN EXCESS OF 48 HOURS</p> <p>COMPLAINTS PROCEDURE IN PLACE</p>
LITTER	<p>PRE-PROCESSING STOCKPILE</p> <p>UNSHEETED / POORLY SHEETED SKIPS ON DELIVERY VEHICLES</p> <p>MECHANICALLY SORTED WASTE BAYS</p> <p>LIGHT WASTE</p> <p>POOR HOUSEKEEPING</p>	AIR	<p>SURROUNDING SITE USERS/OCCUPIERS</p> <p>SURFACE WATER TO THE NORTH OF THE SITE</p> <p>DEE ESTUARY SSSI, SAC, SPA & RAMSAR</p> <p>FLORA & FAUNA</p> <p>WELSH COASTAL PATH</p>	A to C E,F	Mi to Mo	4	Low	<p>ALL LIGHT WASTE IS CONTAINED IN A STEEL CAGE OR WITHIN DEDICATED STORAGE BAYS NOT EXCEEDING THE HEIGHT OF THE BAY</p> <p>ALL DRIVERS WILL ENSURE THEIR SKIPS / CONTAINERS ARE SECURELY SHEETED / CONTAINED PRIOR TO CARRIAGE OF WASTE LOADS</p> <p>DAILY INSPECTIONS OF THE SITE AND AREAS IN THE IMMEDIATE VICINITY OF THE SITE BOUNDARY FOR LITTER</p> <p>DURING TIMES OF EXTREME WINDS, THE MECHANICAL TREATMENT PLANT WILL REDUCE OPERATIONS OR STOP OPERATIONS IF WEATHER DEEMED TO PROBLEMATIC AND COMPLAINTS ARE RECEIVED</p> <p>DAILY INSPECTIONS FOR THE PRESENCE OF LITTER</p> <p>EMS HAS SPECIFIC TRAINING MEASURES FOR STAFF CONTINGENCIES IN THE EVENT OF PROBLEMATIC LITTER</p>

NOISE/ VIBRATION	<p>PLANT AND MACHINERY</p> <p>TIPPING / LOADING WASTE INTO VEHICLES</p> <p>INTERNAL TREATMENT PLANTS</p>	AIR	<p>SITE PERSONNEL/ VISITORS</p> <p>WORKERS ON ADJACENT SITES</p> <p>PUBLIC</p> <p>SURFACE WATER TO THE NORTH OF THE SITE</p> <p>DEE ESTUARY SSSI, SAC, SPA & RAMSAR</p> <p>FLORA & FAUNA</p> <p>WELSH COASTAL PATH</p> <p>LOCAL WILDLIFE NESTING IN ABOVE AREAS</p>	A, D	Mo	3	Low	<p>A NOISE MANAGEMENT PLAN IS PRESENTED IN TABLE 4.1 OF THE EMS.</p> <p>ALL MECHANICAL TREATMENT PLANT IS SITUATED INSIDE THE BUILDING AND THE EXTERNAL YARD ACTIVITIES WILL ONLY CONSIST OF STORAGE, BULKING AND TRANSPORT OF WASTE IS SIMILAR TO ALL CURRENT ACTIVITIES TAKING PLACE ON THE INDUSTRIAL ESTATE</p> <p>THE SITE IS SITUATED ON AN INDUSTRIAL ESTATE AND THE NEAREST RESIDENTIAL RECEPTOR IS APPROX. 225M FROM THE SITE</p> <p>DROP HEIGHTS WILL BE KEPT TO A MINIMISE NOISE / VIBRATION MANAGEMENT WILL ENSURE THAT ALL LOADING PLANT OPERATED IS FUNCTIONING SUITABLY I.E. MOVING PARTS TO BE REGULARLY LUBRICATED.</p> <p>THE WASTE TYPES I.E. PLASTIC WILL NOT CAUSE ANY BANGING OR VIBRATION WHEN DEPOSITED AT THE SITE OR LOADED INTO MACHINERY</p> <p>OPERATIVES WILL BE INFORMED TO TURN OFF ENGINES WHEN THE PLANT IS NOT IN USE AND NO REVVING OF ENGINES WILL BE PERMITTED AT THE SITE.</p> <p>PROVISION OF APPROPRIATE INSTRUCTION AND TRAINING FOR SITE PERSONNEL ON THE OPERATION OF PLANT AND EQUIPMENT.</p> <p>ANY MALFUNCTIONS IN PLANT I.E. MISSING SCREWS/BOLTS WHICH RESULT IN EXCESSIVE NOISE WILL BE DECOMMISSIONED UNTIL AN ALTERNATIVE LOADING PLANT SOURCED.</p> <p>A TRAINED AND RESPONSIBLE MANAGER WILL BE ON SITE DURING WORKING PERIODS TO MAINTAIN A LOGBOOK AND CARRY OUT SITE INSPECTIONS.</p> <p>IF REPAIRS TO THE SITE ARE REQUIRED, THE WORK IS TO BE UNDERTAKEN WITH DUE REGARD FOR THE POSSIBLE NOISE NUISANCE AND DURING THE NORMAL WORKING DAY.</p> <p>IN THE EVENT OF MAJOR REPAIR WORK BEING UNDERTAKEN WHICH IS LIKELY TO CAUSE SIGNIFICANT NOISE AND DISRUPTION, NEIGHBOURING RESIDENTS AND NRW BE NOTIFIED IN ADVANCE.</p> <p>COMPLAINTS PROCEDURE IN PLACE</p>
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VERMIN (LEPTOSPIROSIS etc.)	STORED WASTES	WATER, DIRECT CONTACT WITH WASTE	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS	A to C	Mi to Mo	4	Near zero	WEAR PPE - GLOVES AND MASKS AS APPROPRIATE SITE INSPECTIONS DAILY ANY WASTES CONSIDERED UNSUITABLE AFTER DEPOSIT WILL BE ASSIGNED TO THE QUARANTINE SKIP THE SITE DOES NOT RECEIVE ANY WASTE TYPES WHICH WOULD BE REGARDED AS PUTRESCIBLE/ BIODEGRADABLE. PEST CONTROLLER CALLED IN THE EVENT OF PESTS BEING PRESENT AT THE SITE OR COMPLAINTS RECEIVED FROM RECEPTORS
FIRE/ SMOKE / PARTICULATES	PLANT EXHAUSTS STORAGE OF WASTES COMBUSTION OF WASTES	AIR, DIRECT CONTACT	SITE PERSONNEL/ VISITORS SURROUNDING SITE USERS/OCCUPIERS PUBLIC SURFACE WATER TO THE NORTH OF THE SITE DEE ESTUARY SSSI, SAC, SPA & RAMSAR WELSH COASTAL PATH	A to F	Mi to S	3	Medium	NO FIRES ON SITE NO SMOKING PERMITTED ON SITE GOOD SITE SECURITY LOW STORAGE VOLUMES AND RETENTION TIMES REDUCES RISK OF FIRE PREVENTATIVE MAINTENANCE PROCEDURES REFERENCE SHOULD BE MADE TO THE OPERATOR'S FIRE PREVENTION & MITIGATION PLAN (CAS-2570-B) THE OPERATOR HAS A FIRE RISK ASSESSMENT WHICH HAS BEEN PRODUCED BY A THIRD-PARTY ASSESSOR
VEHICLE COLLISION/ ACCIDENT	MUD ON ROADS FROM WASTE STORAGE & VEHICLE BODIES POOR VISIBILITY	DIRECT CONTACT	VEHICLE USERS PEDESTRIANS ANIMALS	A TO F	Mi to S	3	Low	GOOD HOUSEKEEPING/ VEHICLE MANAGEMENT STOCKPILE MANAGEMENT AN ACCIDENT LOGBOOK SHOULD BE KEPT FOR ALL INCIDENTS ENCOURAGEMENT FOR STAFF FOR GREATER NUMBER OF "ACCIDENT-FREE DAYS" TO ENCOURAGE A SAFER WORKING ENVIRONMENT HSE COMPLIANT RISK ASSESSMENTS FOR ALL SITE ACTIVITIES TO IDENTIFY SITUATIONS WHICH MAY LEAD TO HARM FOR SITE USERS THE SITE WILL NOT OPERATE IN CONDITIONS OF POOR VISIBILITY SUCH AS DENSE FOG

LEACHATE	STORED WASTES	GROUND	<p>SURFACE WATER TO THE NORTH OF THE SITE</p> <p>DEE ESTUARY SSSI, SAC, SPA & RAMSAR</p> <p>WELSH COASTAL PATH</p>	E, F	Mi to S	3	Low	<p>WASTE STORAGE/TREATMENT IS UNDERTAKEN ON AN IMPERMEABLE CONCRETE SURFACE WITH SEALED DRAINAGE</p> <p>THE SITE DOES NOT RECEIVE WASTE TYPES WHICH ARE LIABLE TO GIVE RISE TO CONTAMINATION</p> <p>REGULAR (MINIMUM DAILY) CHECKS OF SITE SURFACE INFRASTRUCTURE</p> <p>ANY SPILLAGES IDENTIFIED WILL BE DEALT WITH IN ACCORDANCE WITH THE SPILLAGE PROCEDURES OUTLINED IN SECTION 4.1 OF THE EMS.</p> <p>DEDICATED MOBILE QUARANTINE SKIP FOR LEACHABLE WASTES AND QUICK REMOVAL OFF SITE. THE SKIP MAY BE POSITIONED IN VARIOUS POSITIONS OF THE SITE DEPENDING HOW OPERATIONS PERMIT.</p> <p>ANY WASTES WHICH ARE LIABLE TO GIVE RISE TO CONTAMINATION WILL BE REMOVED FROM SITE OR PLACED INTO THE QUARANTINE SKIP/AREA</p>
IMPACT/ INJURY	COLLAPSE OF STORED MATERIALS/ FALLING MATERIALS	DIRECT CONTACT	SITE PERSONNEL/ VISITORS	A to C	Mi to S	3	Low	<p>STORAGE HEIGHTS WILL BE KEPT TO A MINIMUM AND STORED WASTES WILL BE WITHIN BAYS WHERE POSSIBLE</p> <p>DROP HEIGHTS WILL ALWAYS BE KEPT TO A MINIMUM</p> <p>APPROPRIATE PPE ISSUED TO ALL SITE STAFF AND AVAILABLE IN THE MAIN SITE OFFICE</p> <p>STAFF TRAINING AND HANDLING PROCEDURES IN PLACE</p>

HYDROCARBONS	<p>UNBUNDED FUEL TANKS</p> <p>DRIPS WHEN REFUELLING</p> <p>DURING DELIVERY LEAKAGE FROM STORED DRUMS</p> <p>PLANT FAILURE</p>	<p>GROUND - DIRECT CONTACT, INGESTION</p> <p>INHALATION (OF VOLATILES)</p>	<p>SITE PERSONNEL/ VISITORS</p> <p>SURFACE WATER TO THE NORTH OF THE SITE</p> <p>DEE ESTUARY SSSI, SAC, SPA & RAMSAR</p> <p>WELSH COASTAL PATH</p>	A, B, D, E, F	Mi to S	3	Low	<p>ANY FUEL TANKS (AND PIPEWORK) TO BE STORED WITHIN A BUNDED AREA AND LOCKED WHEN NOT IN USE.</p> <p>ALL BUNDS ARE CAPABLE OF CONTAINING A MINIMUM OF 110% OF THE VOLUME OF FUEL/LIQUIDS.</p> <p>VEHICLE MAINTENANCE AND REPAIRS WILL BE CARRIED OUT INSIDE THE EXISTING BUILDING ON AN IMPERMEABLE SURFACE.</p> <p>THE SITE'S DRAINAGE SYSTEM IS SEALED AND CONNECTING TO SURFACE WATER SEWER SYSTEM AFTER BEING TREATED BY A FULL RETENTION INTERCEPTOR</p> <p>WHERE PLANT IS OPERATED; DRIP TRAYS WILL BE AVAILABLE TO ENSURE THAT FUELS ARE CONTAINED.</p> <p>ENSURE THAT ALL FUEL STORAGE CONTINUE TO BE STORED SECURELY</p> <p>SPILL KITS KEPT CLOSE TO SOURCE(S) OF HAZARDS</p> <p>PREVENTATIVE MAINTENANCE SCHEDULE FOR PLANT/MACHINERY</p> <p>CONCRETE SURFACED YARD AND SEALED DRAINAGE SYSTEM WILL REDUCE THE IMPACTS OF ANY SPILLS</p> <p>SPILLAGES IDENTIFIED WILL BE DEALT WITH IN ACCORDANCE WITH THE SPILLAGE PROCEDURES OUTLINED IN SECTION 4.1 OF THE EMS</p>
RELEASE OF GASES/FUMES/ VAPOURS/ VOLATILES	<p>SPILLAGE OF CHEMICALS</p> <p>OVERTURNED VEHICLE</p> <p>PLANT/PLANT FAILURE</p>	<p>AIR</p> <p>GROUND</p> <p>WATER</p> <p>CONFINED SPACES</p>	<p>OCCUPIERS/ SITE WORKERS</p> <p>SURROUNDING SITE USERS/OCCUPIERS</p>	A to F	Mi to S	4	Near zero	<p>ENSURE ANY STORAGE OF HAZARDOUS SUBSTANCES IN PROPERLY DESIGNATED AREAS (I.E. WORKSHOP/STORE OR IN THE SITE OFFICE).</p> <p>PREVENTATIVE MAINTENANCE SCHEDULE FOR PLANT/MACHINERY</p> <p>QUARANTINE OF REJECTED (I.E. POTENTIALLY HAZARDOUS) WASTES</p>

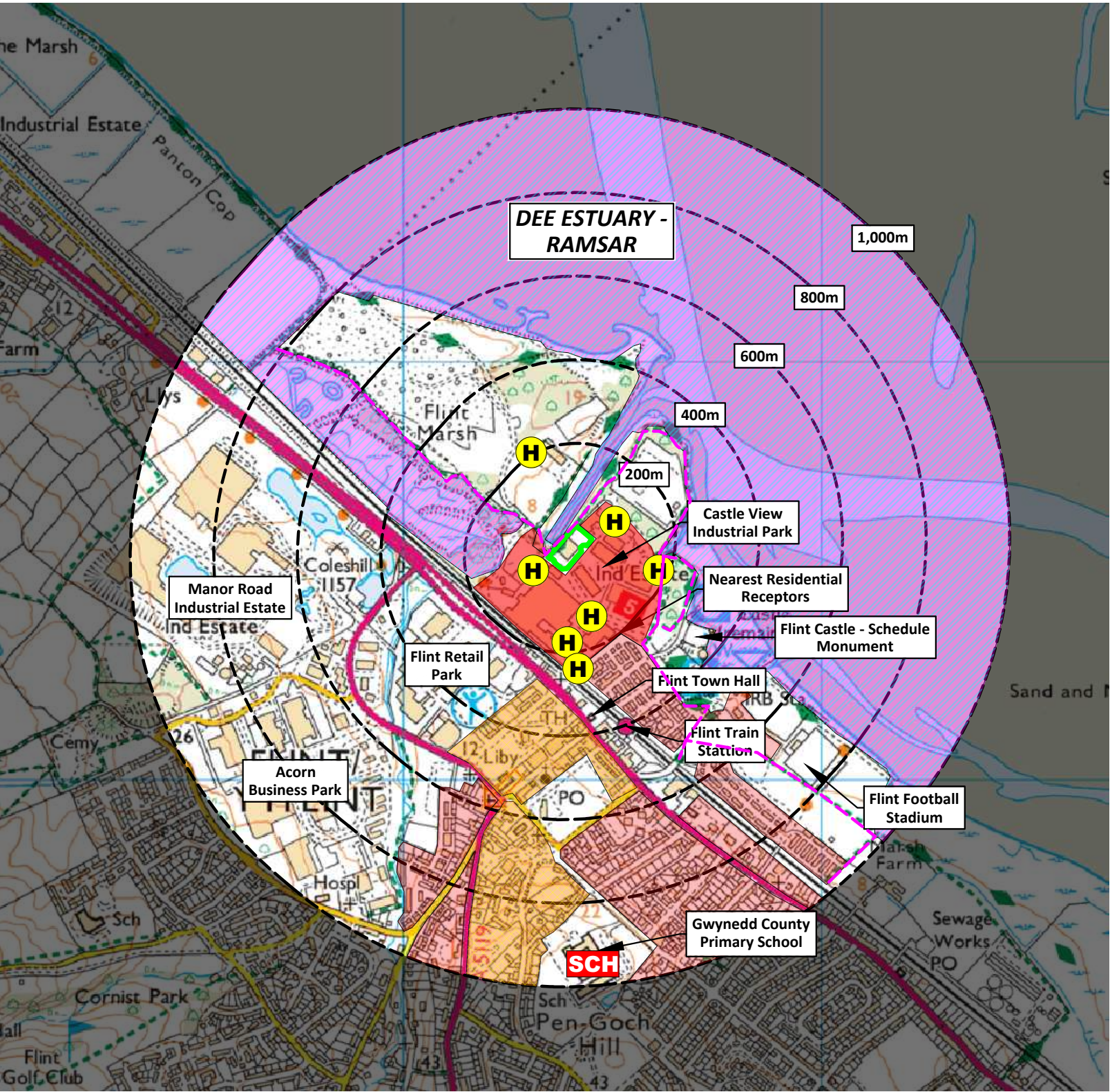
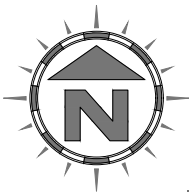
CONTAMINATION OF SURFACE / GROUND WATERS	FLOODING OF SITE - PART OF THE SITE IS WITHIN A LOW RISK AREA OF FLOODING	FLOOD WATERS I.E. IF WASTE IS WASHED OFF SITE IT MAY CONTAMINATE BUILDINGS / GARDENS / NATURAL HABITATS DOWNSTREAM	SITE PERSONNEL/ VISITORS SURFACE WATER DEE ESTUARY SSSI, SAC, SPA & RAMSAR WELSH COASTAL PATH	A to F	Mi to S	3	Low	MANAGEMENT SYSTEM THAT IDENTIFIES AND MINIMISES RISKS OF POLLUTION, INCLUDING THOSE ARISING FROM OPERATIONS, MAINTENANCE, ACCIDENTS, INCIDENTS, NON-CONFORMANCES (WILL INCLUDE FLOOD RISK MANAGEMENT). ALL LIQUIDS ARE PROVIDED WITH SECONDARY CONTAINMENT (APPLIES TO WASTES AND NON – WASTES SUCH AS FUELS). SUBSCRIPTION TO MET OFFICE FOR WEATHER ALERTS SO NECESSARY ACTION CAN TAKE PLACE PRIOR TO A FLOOD EVENT (IF ONE WERE TO OCCUR) FLOODING EMERGENCY PLAN KEPT IN SITE OFFICE
POLLUTION OF SSSI, SAC, SPA AND RAMSAR	SITE SURFACE WATER DRAINAGE DISCHARGING INTO DEE ESTUARY	FAILURE OF DRAINAGE SYSTEM COULD LEAD TO POLLUTION OF THE DEE ESTUARY	SURFACE WATER DEE ESTUARY SSSI, SAC, SPA & RAMSAR WELSH COASTAL PATH	A to F	Mi to S	3	Low	SECTION 2.9 OF THE EMS AND THE SITE LAYOUT & FIRE PLAN PROVIDE A DETAILED DRAINAGE LAYOUT AND PROPOSAL TO REDUCE ANY RISK OF POLLUTION TO THE DEE ESTUARY STRICT WASTE ACCEPTANCE PROCEDURES DETAILED IN EMS INSTALLATION OF FULL RETENTION INTERCEPTOR PRIOR TO DISCHARGE INTERCEPTOR ALARMED 20% BEFORE FULL CAPACITY PENSTOCK VALVE FITTED ON MANHOLE OUTLET TO IMMEDIATELY SHUT OFF DRAINAGE SYSTEM DAILY CHECKS OF DRAINAGE SYSTEM AND ANNUAL CONTRACT SET UP WITH DRAINAGE CONTRACTOR TO ENSURE THE SYSTEM IS FULLY FUNCTIONAL

Appendix II

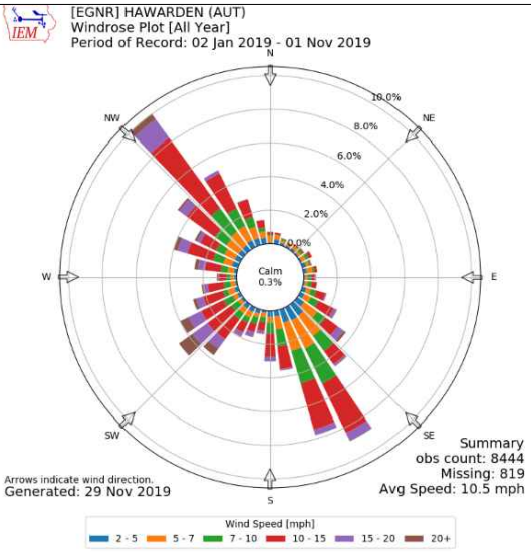
RECEPTOR PLAN

KEY:

- Permit boundary
- Surface water (river / stream / beck)
- Surface water (estuary / pond / pool / lake / sea)
- Castle View Industrial Park
- Workplaces (includes agriculture industry, commerce and retail)
- Areas with mix of residential, retail and commercial properties
- Residential blocks
- Class A roads
- Class B roads
- Class C roads
- Nearest fire hydrant
- Railway line
- SCH School
- Woodland areas
- Protected sites (Ramsar, SSSI, SPA, SAC)
- Welsh coastal path



Compass Wind Rose for Hawarden (EGNR)
Period 2019- source: Iowa State University



NOTES

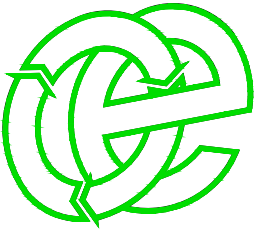
- Boundaries are shown indicatively.
- Wind rose data shows the prevailing wind direction to be NW and SE.

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REVISION HISTORY

Rev	Date	Init:	Description:
-	29.11.19	CP	Initial Drawing
A	14.04.20	CP	Added receptor

Oaktree Environmental Ltd
Waste, Planning and Environmental Consultants



DRAWING TITLE
SITE LOCATION MAP

CLIENT
New Horizons Plastic Co Ltd

PROJECT/SITE
Unit 27, Castle Park Industrial Estate, Flint
CH6 5XA

SCALE @ A3 1:12,500	JOB NO 4082	CLIENT NO 2570
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DRAWING NUMBER CAS/2570/04	REV A	STATUS Issued
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DRAWN CP	CHECKED --	DATE 14.04.20
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