Appendix E – Raw Material Inventory

Name of Installation		Vector Aerospace International Limited		
Capacity		Clean Bay 75.81m3, Storage Containers 40m3, Area 99 Shed 1m3		
Schedule 1 Activity	Description of raw material and composition	Maximum amount (tonnes)	Annual throughput (tonnes each year)	Description of the use of the raw material including any main hazards (include safety data sheets)
2.3 Surface Treatment of Metal	**Ardrox 6333A – Contains:** Dipotassium tetraborate, CAS 1332-77-0, >= 5.2 - < 10% Potassium Hydroxide, CAS 1310-58-3, > = 2.5 - < 5% Potassium silicate, MR <= 1.6, CAS 1312-76-1, >= 1 - < 2.5 aliphatic alcohols, alkoxylated, CAS 438476-83-6, >= 1 - < 2.5% Alcohols, C8-10, ethoxylated propoxylated, CAS 68603-25-8, >= 1 - < 2.5%	Tank Volume: 0.58 m3 Storage: 1 m3 VAIL Tot Tonne = 1.08112	VAIL Tot Tonne = 0.48672	**Description:** Aqueous Degreaser General cleaning of oils and grease from surface of parts. **CLP H Codes:** H314 Burns, H361d teratogen **Used in VAIL Tanks:** E1 **Concentration in tanks:** 200ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**SuperBee 300 FLG – Contains:** ETHOXYLATED PROPOXYLATE FATTY ALCOHOL, 1-10%.. H318 SODIUM XYLENE SULFONATE, 1-10% CAS-No.: 1300-72-7 SODIUM METASILICATE , 1-10%, CAS-No.: 6834-92-0 SODIUM NITRITE, <1%, CAS-No.: 7632-00-0	Tank Volume: 10.9 m3 Storage: 3m3 VAIL Tot Tonne = 13.9	VAIL Tot Tonne = 12.7	**Description:** Aqueous Degreaser. General cleaning of oils and grease from surface of parts. **CLP H Codes:** H315 Irritation, H318 Eye Damage **Used in VAIL Tanks:** SW1, D6, D9, C11, B12, A1, A4, AEP **Concentration in tanks:** 200ml/L **Container:** IBC
2.3 Surface Treatment of Metal	**Ardrox 2302 – Contains:** 2-aminoethanol, >= 25 % - < 30 %, CAS Number: 141-43-5 N-methyl-2-pyrrolidone, >= 25 % - < 30 %, CAS Number: 872-50-4, STEL 20ppm. 2-(2-butoxyethoxy)ethanol, >= 20 % - < 25 %, CAS Number: 112-34-5	Tank Volume: 5.016 m3 Storage: 1m3 VAIL Tot Tonne = 6..016	VAIL Tot Tonne = 5.016	**Description:** Paint Stripper, Carbon Remover. Dose not effect surface of parts. **CLP H Codes:** H314 Burns, H335 Resp Irr , H360D Teratogen , H412 Env **Used in VAIL Tanks:** D3, D4, D5, C13, **Concentration in tanks:** 100% **Container:** IBC

	Toluene-4-sulfonic acid, >3 % - <5%, CAS number: 104-15-4			
2.3 Surface Treatment of Metal	**IRIDITE 15 – Contains:** Sodium nitrate, 40 - <60%, CAS-No.: 7631-99-4 Chromium trioxide, 40- 60 %, CAS No. 1333-82-0	Tank Volume: 0.96 m3 Storage: 0.025T VAIL Tot Tonne = <1	VAIL Tot Tonne = 0.28 (Crystals)	**Description:** Chromate Coating Magnesium Alloy Coating Proces (Chromate conversion solution – Passivation) H271, **CLP H Codes:** H301, H310, H330, H314, H334, H317, H340, H350, H361f, H335, H372, H400, H410 **Used in VAIL Tanks:** D11 **Concentration in tanks:** 41g/L **Container:** (Crystal 25Kg)
2.3 Surface Treatment of Metal	**Bonderite M-CR 1200 S – Contains:** Chromium trioxide, 40- 60 %, CAS No. 1333-82-0 Potassium tetrafluoroborate, 20-40 %, CAS No. 14075-53-7 Tripotassium hexacyanoferrate, 10-20 %, CAS No. 13746-66-2 sodium fluoride, 5- < 10 %, CAS No. 7681-49-4 Dipotassium hexafluorozirconate, 5- < 10 %, CAS No. 16923-95-8	Tank Volume: 0.96 m3 Storage: 0.025T VAIL Tot Tonne = <1	VAIL Tot Tonne = 0.288	**Description:** Aluminium coating Process (Chromate conversion solution – Passivation) **CLP H Codes:** H271, H301, H330, H310, H314, H318, H334, H317, H340, H350, H361f, H335, H372, H400, H410 **Used in VAIL Tanks:** D13 **Concentration in tanks:** 15g/L **Container:** Powder 25Kg
2.3 Surface Treatment of Metal	**Chromic Acid Solution – Contains:** Chromium trioxide, 40- 60 %, CAS No. 1333-82-0	Tank Volume: 0.96 m3 Storage: 1m3 VAIL Tot Tonne = 1.96	VAIL Tot Tonne = <0.288	**Description:** Passivation Process **CLP H Codes:** H301. H311, H314, H317, H330, H334, H340, H350, H361f, H335, H372, H410 **Used in VAIL Tanks:** D14 **Concentration in tanks:** 60g/L **Container:** 25Kg flake
2.3 Surface Treatment of Metal	**Ardrox 3705 – Contains:** Aqueous solution organic corrosion inhibitors	Tank Volume: 0.96 m3 Storage: 1m3 VAIL Tot Tonne = <1.96	VAIL Tot Tonne = <0.288	**Description:** Aqueous Corrosion Inhibitor (Temporary corrosion inhibitor) **CLP H Codes:** Non-Hazardous **Used in VAIL Tanks:** C5 **Concentration in tanks:** 200ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**Ardrox 1218 – Contains:** Orthophosphoric acid, >= 30 % - < 50 %, CAS Number: 7664-38-2	Tank Volume: 1.082 m3 Storage: 1m3	VAIL Tot Tonne = <0.32	**Description:** Temporary Inhibitor, scale and rust remover **CLP H Codes:** H314 Corrosive, H314 Burns,

		VAIL Tot Tonne = <2.08		**Used in VAIL Tanks:** C8, **Concentration in tanks:** 450ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**Ardrox 185 – Contains:** sodium hydroxide, >= 50 % - < 75 %, CAS Number: 1310-73-2	Tank Volume: 7.53 m3 Storage: 2m3 VAIL Tot Tonne = 9.53	VAIL Tot Tonne = 12.5	**Description:** Degreaser, Rust, Scale Remover **CLP H Codes:** H290, H314 **Used in VAIL Tanks:** B1, B4, A8, Bearing Clean tank, **Concentration in tanks:** 450ml/L **Container:** IBC
2.3 Surface Treatment of Metal	**Ardrox 1435 Part A & B – Contains:** Sodium hydroxide, >= 30 % - < 50 % (A), CAS Number: 1310-73-2 (A)	Tank Volume: 2.57 m3 Storage: 0.1m3 VAIL Tot Tonne = <2.66	VAIL Tot Tonne = <3.99.	**Description:** Scale & Carbon Remover **CLP H Codes:** H290, H314, H 318 (A) H314, H318, H411, H272 **Used in VAIL Tanks:** B7 **Concentration in tanks:** 250ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**Ardrox 1873A – Contains:** Acetic acid, hydroxy-, monoammonium salt, Content (W/W): >= 10 % - < 12.5%, CAS Number: 35249-89-9 Glycolic acid, Content (W/W): >= 10 % - < 12.5%, CAS Number: 79-14-1 Triammonium citrate, Content (W/W): >= 7 % - < 10 %, CAS Number: 3458-72-8 N,N-diethylhydroxylamine, Content (W/W): >= 3 % - < 5 %, CAS Number: 3710-84-7	Tank Volume: 2.7 m3 Storage: 0.1m3 VAIL Tot Tonne =2.8	VAIL Tot Tonne = <1.3	**Description:** Scale Remover **CLP H Codes:** H412, H314, H318 **Used in Tank:** B11 **Concentration in tanks:** 250ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**Nitric Acid 65-70% – Contains:**	Tank Volume: 0.96 m3 Storage: 0.1 m3 VAIL Tot Tonne = 1.06	VAIL Tot Tonne = 0.192	**Description:** Corrosion Inhibitor, Protective surface layer **CLP H Codes:** H272 Oxidiser, H314: Burns, H290 Corrosive **Used in VAIL Tanks:** Bulk Tank, C6, Silver Strip, Nital Etch. **Concentration in tanks:** 540ml/L **Container:** 25L
2.3 Surface Treatment of Metal	**AEP 32 – Contains:** Isopropyl alcohol CAS: 67-63-0, 50-65%,	Tank Volume: 0.39 m3 Storage: m3 VAIL Tot Tonne = 0.39	VAIL Tot Tonne = 0.6	**Description:** electrophoretic coating, not regarded as treatment.

	Nitromethane, CAS: 75-52-5, 30-45% Aluminium, CAS: 7429-90-5, 1-3% - 22g/L Chromium, CAS: 7440-47-3, 1-3% 21g/L Manganese, CAS: 7439-96-5, 1-3% 10g/L Cobalt nitrate hexahydrate, CAS: 10026-22-9, 0.1-1% 0.2g/L			**CLP H Codes:** H302, H332, H320, H335, H350, H336, H400, H410 **Used in VAIL Tanks:** 1-A AEP, 2-A AEP, 2-B AEP **Concentration in tanks:** Mixture **Container:** Various
2.3 Surface Treatment of Metal	**AEP 100 – Contains:** Isopropyl alcohol CAS: 67-63-0, 50-65%, Nitromethane, CAS: 75-52-5, 30-45% Aluminium, CAS: 7429-90-5, 1-3% 35g/L Chromium, CAS: 7440-47-3, 1-3% 16g/L Cobalt nitrate hexahydrate, CAS: 10026-22-9, 0.1-1% 0.15g/L	Tank Volume: 0.13 m3 Storage: m3 VAIL Tot Tonne = 0.13	VAIL Tot Tonne = 0.6	**Description:** electrophoretic coating, not regarded as treatment. **CLP H Codes:** H302, H330, H320, H335, H350, H336, H400, H410 **Used in VAIL Tanks:** 1-B AEP **Concentration in tanks:** Mixture **Container:** Various
2.3 Surface Treatment of Metal	**ASC-2 N/Nitric – Contains:** ammonium bifluoride CAS: 1341-49-7, >90% (ASC2N) pine oil, synthetic, CAS: 8002-09-3, 1-5% (ASC2N) ammonium fluoride, CAS 12125-01-8 2% (ASC2N) Nitric Acid, CAS: 7697-37-2, <70% (Nitric Acid)	Tank Volume: 0.13 m3 Storage: m3 VAIL Tot Tonne = 0.13	VAIL Tot Tonne = 0.6	**Description:** Paint Stripper, Carbon Remover AEP Process **CLP H Codes:** (ACS2N H301, H314, H317, H412) (Nitric Acid H272, H290, 314, H331) **Used in VAIL Tanks:** Tank A3 AEP, A4 AEP **Concentration in tanks:** ASC-2N 19g/L, HNO3 78ml/L **Container:** Various
2.3 Surface Treatment of Metal	**S54 / Sulphuric Acid – Contains:** Sulphuric Acid, CAS-No.: 7664-93-9, >95%	Tank Volume: 0.12 m3 Storage: m3 VAIL Tot Tonne = 0.2	VAIL Tot Tonne = 0.2	**Description:** Anodic Etching Process **CLP H Codes:** H314, H290 **Used in VAIL Tanks:** 2 Nickle Strike Bldg 108 **Concentration in tanks:** **Container:**

2.3 Surface Treatment of Metal	**S53 Nickel Chloride – Contains:** Nickel Chloride 350 ±50 g/l and Hydrochloric Acid 110ml/l)	Tank Volume: 0.06 m3 Storage: m3 VAIL Tot Tonne =0.025	VAIL Tot Tonne = 0.025	**Description:** Surface Treatment **CLP H Codes:** H301, H331, H15, H334, H317, H341, H350i, H360D, H372, H4000, H410 **Used in VAIL Tanks:** 3 Nickle Strike Bldg 108 **Concentration in tanks:** **Container:**
2.3 Surface Treatment of Metal	**Ardrox 3968 – Contains:** 3-butoxypropan-2-ol, Hydrocarrbons C10-C13	Tank Volume: 0.11 m3 Storage: 1m3 VAIL Tot Tonne = <1	VAIL Tot Tonne = <1	**Description:** Surface Cleaner **CLP H Codes:** H304 **Used in VAIL Tanks:** Bearing Cleaner Tank – Lab **Concentration in tanks:** **Container:**
2.3 Surface Treatment of Metal	**50% volume nitric acid solution**	Tank Volume: 0.01 m3 Storage: m3 VAIL Tot Tonne = <0..2	VAIL Tot Tonne =<0.06	**Description:** Silver Stripping **CLP H Codes:** H272, H290, H314, H331 **Used in VAIL Tanks:** – Lab Fume Cabinet Lab **Concentration in tanks:** 50% **Container: 25L** **2000ml 12 times a year**
2.3 Surface Treatment of Metal	**95% sulphuric acid** **-5% nitric acid**	Tank Volume: 0.01 m3 Storage: 0.1m3 VAIL Tot Tonne 0.12	VAIL Tot Tonne =0.06	**Description:** Silver Stripping **CLP H Codes:** H272, H290, H314, H331 **Used in VAIL Tanks:** Lab Fume Cabinet **Concentration in tanks:** 95% **Container:** 25L 4000ml 12 times a year
Associated Process – Water Treatment	**Hydrochloric Acid 25%**	Tank Volume: 1 m3 Storage: 1 m3 Total Tonnes = 2	Total Tonnes = 36	**Description:** Dosing chemical **CLP H Codes:** H314, H335. **Used in VAIL Tanks:** Water Treatment Dosing Tank **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Sodium Hydroxide (Caustic Soda) 5%**	Tank Volume: 1 m3 Storage: 3 m3 Total Tonnes = 4	Total Tonnes = 22	**Description:** Dosing chemical **CLP H Codes:** H290, H314 **Used in VAIL Tanks:** Water Treatment Dosing Tank **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Kalic Lime – IBC per week. 11 on site.**	Tank Volume: 1 m3 Storage: 11 m3	Total Tonnes = 36	**Description:** Dosing chemical **CLP H Codes:**

		Total Tonnes = 12		**Used in VAIL Tanks:** **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Ferric Sulphate** – I IBC per month. 2 IBC on site.	Tank Volume: 1 m3 Storage: 3m3 Total Tonnes = 4	Total Tonnes = 12	**Description:** Dosing chemical **CLP H Codes:** **Used in VAIL Tanks:** **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Sodium Bisulphate** – 100L per month. 800L on site.	Tank Volume: 1 m3 Storage: 1 m3 Total Tonnes = 2	Total Tonnes = 1	**Description:** Dosing chemical **CLP H Codes:** **Used in VAIL Tanks:** **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Klaraid PC1194 (Poly)** – (25L Drums) – 1 per month. In stock 6 in stock.	Tank Volume: 1 m3 Storage: 0.5m3 Total Tonnes = 1.5	Total Tonnes = 0.5	**Description:** Dosing chemical **CLP H Codes:** R52 / 53 **Used in VAIL Tanks:** **Concentration in tanks:** **Container:**
Associated Process – Water Treatment	**Betz Dearborn AE1125 (Poly) – (25L Drum) – 1 per month. 6 in stock.**	Tank Volume: 1 m3 Storage: 0.2 m3 Total Tonnes = 1.2	Total Tonnes = 0.3	**Description:** Dosing chemical **CLP H Codes:** **Used in VAIL Tanks:** **Concentration in tanks:** **Container:**