

# CONTENTS

## VOLUME ONE

### PART I - THE PLANNING APPLICATION

	<b>Heading / Sub Heading</b>	<b>Page No's</b>
<b>1.0</b>	<b>INTRODUCTION</b>	
1.1	Introduction	8 to 9
1.2	Need Case	10
1.3	Consultation	11 to 13
1.4	Alternatives Considered	14 to 15
1.5	Other Affected Sites Figure 1.5(1) – Sites within 15 Miles Radius	16 to 17
1.6	Contributors	18
<b>2.0</b>	<b>SITE DESCRIPTION</b>	
2.1	Site Location Figure 2.1(1) – Site Location Plan	19 to 20
2.2	Surrounding Land Use	21
2.3	Existing Land Use	22
2.4	Rights of Way / Services	23
<b>3.0</b>	<b>PLANNING BACKGROUND</b>	
3.1	Company Profile	24
3.2	Site History	25
3.3	Planning Background	26
3.4	Planning Policy	27 to 32
<b>4.0</b>	<b>PROPOSED DEVELOPMENT</b>	
4.1	General	33
4.2	Site Design Figure 4.2(1) – Proposed Land-Raising Contours – Plant Site Figure 4.2(2) – Plant Site Sections (A1 and A3) Figure 4.2(3) – Indicative Conveyor Crossing Point Figure 4.2(4) – Plant Site Phased Development Plan Figure 4.2(5) – Plant Site Phased Development Sections (A1 and A3)	34 to 36
4.3	Scheme of Working Figure 4.3(1) – Proposed Phasing Arrangements (Sheets 1 to 6)	37 to 39
4.4	Scheme of Restoration Figure 4.4(1) – Restoration Concept	40 to 41

<b><u>PART I</u></b> (cont)	<b>Heading / Sub Heading</b>	<b>Page No's</b>
	Figure 4.4(2) – Restored Cross Sections - Main Extraction Area (A1 and A3)	
	Figure 4.4(3) – Proposed Restoration Contours – Plant Site	
4.5	Scheme of Aftercare	42
<b><u>PART II</u></b> -	<b><u>THE ENVIRONMENTAL ASSESSMENT</u></b>	
<b>5.0</b>	<b>LANDSCAPE</b>	43 to 52
	Figure 5.0(1) – Landscape Character Plan	
<b>6.0</b>	<b>VISUAL IMPACT</b>	53 to 58
	Figure 6.0(1) – Visual Analysis Plan	
	Figure 6.0(2) – Zone of Visual Influence Plan	
	Figure 6.0(3) – Location of Sightline Sections Plan	
	Figure 6.0(4) – Sightline Section A-B	
	Figure 6.0(5) – Sightline Section C-D	
	Figure 6.0(6) – Sightline Section E-F	
	Figure 6.0(7) – Sightline Section G-H	
	Figure 6.0(8) – Sightline Section I-J	
	Figure 6.0(9) – Sightline Section K-L	
	Figure 6.0(10) – Sightline Section M-N	
	Figure 6.0(11) – Viewpoint 7 Visualisation	
	Figure 6.0(12) – Sightline Section O-P	
	Figure 6.0(13) – Sightline Section M-Q	
	Figure 6.0(14) – Viewpoint 9 Visualisation	
	Figure 6.0(15) – Sightline Section R-S	
	Figure 6.0(16) – Sightline Section T-H	
<b>7.0</b>	<b>ECOLOGY</b>	59 to 89
	Figure 7.0(1) – Designated Sites	
	Figure 7.0(2) - Phase 1 Habitat Survey	
	Figure 7.0(3) – Fauna Recording Areas	
	Figure 7.0(4) – Bat Survey Results	
	Figure 7.0(5) – Amphibian Survey Ponds	
<b>8.0</b>	<b>SOILS AND AGRICULTURE</b>	90 to 101
<b>9.0</b>	<b>ENVIRONMENTAL SETTING &amp; FLOOD RISK</b>	102 to 123
	Figure 9.0(1) - W to SE Schematic Section	
	Figure 9.0(2) - N to S Schematic Section	
	Figure 9.0(3) - Conceptual Model (NW to SE Section)	
	Figure 9.0(4) - EA Flood Map	
<b>10.0</b>	<b>NOISE</b>	124 to 134
	Figure 10.0(1) – Noise Sensitive Properties	
	Figure 10.0(2) – Noise Monitoring Locations	
	Figure 10.0(3) – Phase Boundaries	

<b><u>PART II</u> (cont)</b>	<b>Heading / Sub Heading</b>	<b>Page No's</b>
	Figure 10.0(4) – Phase 1 Plant Operations	
	Figure 10.0(5) – Phase 2 – Long Term Operations – Plant Operations	
	Figure 10.0(6) – Phase 3 – Long Term Operations – Plant Operations	
	Figure 10.0(7) – Phase 4 – Long Term Operations – Plant Operations	
	Figure 10.0(8) – Phase 5 – Long Term Operations – Plant Operations	
	Figure 10.0(9) – Phase 6 – Long Term Operations – Plant Operations (Scenario 1)	
	Figure 10.0(10) – Phase 6 – Long Term Operations – Plant Operations (Scenario 2)	
	Figure 10.0(11) – Phase 7 – Long Term Operations – Plant Operations	
	Figure 10.0(12) – Phase 8 – Long Term Operations – Plant Operations	
	Figure 10.0(13) – Phase 9 – Long Term Operations – Plant Operations	
	Figure 10.0(14) – Phase 10 – Long Term Operations – Plant Operations	
	Figure 10.0(15) – Phase 1 – Plant Temporary Operations	
	Figure 10.0(16) – Phase 2 – Temporary Operations – Phase 2 – Soil Stripping	
	Figure 10.0(17) – Phase 3 - Temporary Operations – Phase 2 Long Term Operations	
	Figure 10.0(18) – Phase 4 - Temporary Operations – Phase 3 Long Term Operations	
	Figure 10.0(19) – Phase 5 - Temporary Operations – Phase 4 Long Term Operations	
	Figure 10.0(20) – Phase 6 – Temporary Operations (Scenario 1) –Phase 5 Long Term Operations	
	Figure 10.0(21) – Phase 6 – Temporary Operations (Scenario 2) – Phase 5 Long Term Operations	
	Figure 10.0(22) – Phase 7 – Temporary Operations – Phase 6 Long Term Operations	
	Figure 10.0(23) – Phase 8 – Temporary Operations – Phase 7 Long Term Operations	
	Figure 10.0(24) – Phase 9 – Temporary Operations – Phase 8 Long Term Operations	
	Figure 10.0(25) – Phase 10 – Temporary Operations – Phase 9 Long Term Operations	
<b>11.0</b>	<b>DUST &amp; FUMES</b>	135 to 148
	Figure 11.0(1) – Dry Days Windrose	
	Figure 11.0(2) – Air Quality Sensitive Receptors	
<b>12.0</b>	<b>ARCHAEOLOGY</b>	149 to 156
<b>13.0</b>	<b>TRAFFIC AND HIGHWAYS</b>	157 to 176
	Figure 13.0(1) – Proposed Access	
	Figure 13.0(2) – Proposed Access to Plant Area	
	Figure 13.0(3) – Proposed Access Improvements	

<b><u>PART II</u> (cont)</b>	<b>Heading / Sub Heading</b>	<b>Page No's</b>
<b>14.0</b>	<b>HERITAGE</b> Figure 14.0(1) – Location of Site Figure 14.0(2) – Location of Heritage Assets  Figure 14.0(3) – Location of Photographs	177 to 194
<b>15.0</b>	<b>GEOLOGY AND GEODIVERSITY</b>	195 to 197
<b>16.0</b>	<b>SOCIO ECONOMIC</b>	198 to 199
<b>17.0</b>	<b>CONCLUSIONS, IMPACTS AND MITIGATION</b>	200 to 208
<b><u>PART III</u> -</b>	<b><u>NON-TECHNICAL SUMMARY</u></b>  Figure III(1) – Site Location Plan Figure III(2) – Plant Site Layout Figure III(3) – Phasing Arrangements Figure III(4) – Restoration Proposals	I to XII

## **VOLUME TWO**

<b><u>PART IV</u> -</b>	<b><u>VALIDATION REQUIREMENTS</u></b>	
<b>V1</b>	<b>Air Quality Assessment (see also Part II, Section 11.0)</b> • Draft Dust Management Plan	
<b>V2</b>	<b>Biodiversity Survey and Report Data (see also Part II, Section 7.0)</b> Appendix A – Map from NBIS The Broads Special Area of Conservation Broadland RAMSAR Site Broadland SPA citation Stanley and Alder Carr SSSI Appendix B - Illustrative Photographs Appendix C - Plant Species List Appendix D - Tree Survey for Bat Roost Potential Appendix E - Amphibian Survey Appendix F - HSI Guidance Appendix G - Bird Survey	
<b>V3</b>	<b>Foul Sewage Assessment</b>	
<b>V4</b>	<b>Landscape Planting and Management Scheme</b>	

**PART IV (cont)**      **VALIDATION REQUIREMENTS**

- V5      Lighting Assessment**
- V6      Noise Assessment Predictions and Data (see also Part II, Section 10.0)**
- Draft Noise Management Plan
  - Noise Monitoring Log
- V7      Photomontages (see also Part II, Section 6.0)**  
V7 – 01 Photomontage of Plant Site Screening  
V7 – 02 Photomontage of Plant Site Entrance
- V8      Planning Obligation – Draft Heads of Terms**
- Outline Management and Aftercare Scheme
- V9      Planning Statement**
- V10     Statement of Community Involvement (see also Part I, Section 1.3)**
- Publicity Given to Public Exhibition and Quarry Visit
  - Plan Showing Distribution of Exhibition Flyers
  - Photographs from Public Exhibition and Quarry Visit
  - Comments from Public Exhibition
- V11     Transport Assessment (see also Part II, Section 13.0)**
- V12     Tree Survey**
- V13     Utilities Assessment**
- V14     Location Plan (A4 and A2)**
- V15     Site Plan (A4 and A2)**
- V16     Site Layout Plan (A4 and A2)**
- V17     Elevations, Roof and Floor Plans of Site Infrastructure**
- V17 – 01      40mm Return Conveyor
  - V17 – 02      40mm Crusher
  - V17 – 03      Main Processing Plant
  - V17 – 04      Batching Plant Bins
  - V17 – 05      Cement Silos
  - V17 – 06      Clarifier
  - V17 – 07      10 Foot Container
  - V17 – 08      20 Foot Container
  - V17 – 09      Conveyor Line Hopper
  - V17 – 10      Field Conveyor
  - V17 – 11      Filter Press
  - V17 – 12      Filter Press Base and Housing

**PART IV (cont)**      **VALIDATION REQUIRTEMENTS**

V17 – 13	Hydrascreen with Stocking Conveyors
V17 - 14	Portakabin Office
V17 – 15	Radial Feed Belt
V17 – 16	Stocking Conveyors
V17 – 17	Substation
V17 – 18	Sand Processing Plant
V17 – 19	Water Tank
V17 – 20	Weighbridge
V17 – 21	Wet Screening Plant
V17 – 22	Entrance Gates
V17 – 23	Aggregate Bagging Plant
V17 – 24	Temporary Mobile Plant
V17 – 25	Site Entrance Signage
V17 – 26	Lighting Pole
V17 – 27	Typical Post and Wire Fencing

**V18 Design and Access Statement****VOLUME THREE****PART V -**      **APPENDIXES**

- A Schedule of Activities taking place on Plant Site**
- B - Conveyor Crossing Details**
- C - Norfolk County Council Screening and Scoping Opinion**
- D - Outline Management and Aftercare Scheme**
- E - Borehole Data with Location Plan**
- F - Soils and Agricultural Land Classification**
- G - Archaeological Desk-Based Assessment by NAU Archaeology dated June 2008**
- H - Geophysical Surveys by NPA Geophysical Surveys dated November 2008**
- I - Archaeological Field-Walking Survey by NPS Group dated February 2009**
- J - Archaeological Evaluation by NPS Group dated February 2009**

**PART V (cont)**

**APPENDIXES**

- K - Email from Norfolk Landscape Archaeology dated 20 March 2009**
- L - Details of Former Landfill Site off Crab Apple Lane, Haddiscoe**
- M - free space**
- N - Listed Buildings Descriptions**
- O - Heritage Assessment Photographic Record with Location Map**
- P - Heritage Assessment Tables**  
Explanation of Impact Assessment Criteria  
Summary of Significance and Sensitivity of Heritage Assets
- Q - Heritage Assessment Bibliography**
- R - Company Environmental Policy**
- S - Topographical Survey**
- T - Construction Details of Groundwater / Gas Monitoring Boreholes**
- U - British Geological Survey Records of Wells**
- V - Location of Gas Monitoring Boreholes**
- W - Methodology for Assessing Landscape and Visual Impact**
- X - Bibliography and Sources for the Landscape and Visual Impact Assessments**