



UCC United Cement Corporation

Environmental Impact Assessment



**Greenfield Cement Plant,
Bazian Region,
Kurdistan, Iraq**

Nov 2005

CONTENTS

	Page No.
1. EXECUTIVE SUMMARY	1-4
2. Introduction	5-8
2.1 Preamble	5
2.2 Location and accessibility	6
2.3 Objectives	7
3 POLICY, LEGAL AND ADMINISTRATIVE FRAMEWORK	9-11
3.1 Preamble	9
3.2 The World Bank guidelines	9
3.3 Multilateral environmental agreements	9
3.4 Standards applicable to the proposed project	10
4. PROJECT DETAILS	12-15
5. BASELINE ENVIRONMENT	16-39
5.1 Preamble	16
5.2 Geology and hydrology	16
5.3 Soil quality	23
5.4 Climate	24
5.5 Meteorology at project site	26
5.6 Ambient air quality	27
5.7 Noise level	30
5.8 Traffic movement	30
5.9 Radiation level	31
5.10 Land use pattern	31
5.11 Vegetation	32
5.12 Wild life	34
5.13 Socio-economic status	35
6. ENVIRONMENTAL IMPACT ASSESSMENT	40-54
6.1 Preamble	40
6.2 Impact during construction Phase	41
6.3 Impact during operation phase	47
7. ANALYSIS OF ALTERNATIVES	40
8. ENVIRONMENTAL MANAGEMENT PLAN	56-71
8.1 Preamble	56
8.2 Impact Mitigation Techniques During Construction Phase	56
8.3 IMPACT Mitigation Techniques During Operation Phase	58
8.4 Environmental Management Cell	65
8.5 UCC's Statement on the project	69
8.6 Quarry Rehabilitation	70
9. PUBLIC CONSULTATION	72-73

