

**Recommendation of Environmental Performance Verification
for Concrete Structures (Draft)**

CONTENTS

| | |
|--|-----------|
| CHAPTER 1 GENERAL | 1 |
| 1.1 Scope | 1 |
| 1.2 Design of Concrete Structures and Positioning of This Recommendation (draft) | 1 |
| 1.3 Process of Considering Environmentality | 3 |
| 1.4 Terms and Definitions | 4 |
| CHAPTER 2 ENVIRONMENTALITY | 6 |
| 2.1 General | 6 |
| 2.2 Environmental Aspects | 6 |
| 2.2.1 General | 6 |
| 2.2.2 Greenhouse gases, air contaminants, resources/energy, waste | 7 |
| 2.2.3 Water/soil contaminants | 8 |
| 2.2.4 Noise/vibration | 9 |
| 2.2.5 Others | 9 |
| 2.3 Setting of Environmental Performance | 10 |
| 2.3.1 General | 10 |
| 2.3.2 Setting procedure of environmental performance | 10 |
| CHAPTER 3 EVALUATION OF ENVIRONMENTAL PERFORMANCE | 13 |
| 3.1 General | 13 |
| 3.2 Evaluation Methods of Environmental Performance | 13 |
| 3.2.1 General | 13 |
| 3.2.2 Greenhouse gases, air contaminants, resources/energy, waste | 14 |
| 3.2.2.1 Inventory analysis | 14 |
| 3.2.2.2 Characterization and integration | 17 |
| 3.2.3 Water/soil contamination | 20 |
| 3.2.4 Noise/vibration | 20 |
| 3.2.5 Others | 20 |
| CHAPTER 4 VERIFICATION OF ENVIRONMENTAL PERFORMANCE | 22 |
| 4.1 General | 22 |
| 4.2 Verification | 22 |
| CHAPTER 5 INSPECTION | 24 |
| CHAPTER 6 RECORDS | 25 |