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Research on Influencing Factors and Appraisal System of Clean Development Capacity in Coal Enterprise

（Thesis submitted for the degree of Executive Doctorate in Business Administration）

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ABSTRACT

The coal is an important fundamental resource for global economy, and it's also the foundation of the global economy's development. Chinese coal enterprises have made great contributions to Chinese economy's rapid development. However, Chinese coal enterprises' traditional extensive model has caused serious problems, such as waste of resources and pollution. Moreover, the coal is characterized by its finiteness and non-renewal, all these elements determine that coal enterprises' transition towards clean and recyclable type has become an important strategic mission. As a long-time coal industry practitioner, the writer has abundant practical experience, and he is thus responsible and bound to think and study possible key problems of coal enterprises' transition to clean and recyclable direction, using theoretical methods and tools.

This thesis takes coal enterprises' developing clean products and promoting economy development as research background and proposes the concept of clean development capacity in coal enterprises; explains the capacity's connotation, features, functions and operating mechanism; analyses coal enterprises' clean development capacity's influencing factors: technical creativity, resource recycling capacity, environment protecting capacity, social responsibility capacity, economic growth capacity and strategic execution capacity, and above factors' contributions to coal enterprises' development. All this builds up evaluation index system of coal enterprises' clean economic development capacity. The writer uses Synthetic Evaluation Model integrated by Analytic Hierarchy Process, Grey Relational Analysis and TOPSIS to evaluate coal enterprises' clean economic development capacity. This research takes Shaanxi Baoji Lingbei Coal Group Co., Ltd(herein after referred to as Lingbei Group) as an example to summarize the group's production and operation status during different historic periods, to evaluate synthetically its clean production development capacity, and to measure its 6 sub-systems' actual functions. At last, according to the analysis result, the writer raises effective propositions to improve and cultivate coal enterprises' comprehensive management level and clean production development capacity: besides the government's restriction, promotion and guidance, the coal enterprises should enhance their own attention and take measures from technical management, resource, environment, society and economy; they should develop diversified business models, cultivate their capital operation ability, expand their industry chain and improve their market influence in order to gain more economic benefit; they should also acquire local government's policy and economic support; the enterprises

should fulfill actively their social responsibility, build wholesome safe production guarantee system and relevant plans; the enterprises should uses mine water and resource exploration and accelerate innovation of production technology, information technology and security technology; they should also build up wholesome motivation system, improve their overall management level to facilitate Chinese coal enterprises' steady and rapid development.

KEY WORDS: COAL ENTERPRISES, CLEAN ECONOMY, ENTERPRISE'S DEVELOPMENT CAPACITY

Table of CONTENT

CONFIDENTIALITY AND AUTHORISATION I

ABSTRACT II

ACKNOWLEDGEMENT X

Chapter 1 Introduction 1

1.1 Research background and significance 1

1.1.1 Research background 1

1.1.2 Research significance 2

1.2 Literature review at home and abroad 3

1.2.1 Foreign literature review of clean production 3

1.2.2 Domestic literature review of clean production 5

1.2.3 Literature review of clean production of coal enterprises at home and abroad 7

1.3 Research ideas and methodology 14

1.3.1 Research ideas 14

1.3.2 Research methodology 15

1.4 Research contents and innovation points 18

1.4.1 Research contents 18

1.4.2 Innovation points 19

Chapter 2 Review of relevant theoretical studies 21

2.1 Enterprise development theory 21

2.1.1 Overview of enterprise development theory 21

2.1.2 Motivation of coal enterprises to develop the clean production 22

2.2 Sustainable development theory 22

2.2.1 Overview of the sustainable development theory 22

2.2.2 Analysis of sustainable development of coal enterprises 24

2.3 Clean production theory 25

2.3.1 Overview of clean production theory 25
2.3.2 Effects of clean production on the coal enterprises' development 27
2.4 Summary 28
Chapter 3 China's coal resources and exploitation 29
3.1 Coal mining and production 29
3.1.1 Structure of coal production 29
3.1.2 Output of coal resources 30
3.2 Overview of China's coal enterprises 30
3.2.1 Features of coal enterprises' development 30
3.2.2 Problems in the clean production of coal enterprises 32
3.3 Summary 35
Chapter 4 Coal enterprises' clean production development force 36
4.1 Concept of coal enterprises' clean production development force 36
4.1.1 Concept and connotation of coal enterprises' clean production development force 36
4.1.2 Conceptual model of coal enterprises' clean production development force 37
4.2 Functions of coal enterprises' clean production development force 39
4.3 Operating mechanism of coal enterprises' clean production development force 40
4.3.1 "Slope sphere mechanical model" in mechanics 40
4.3.2Mechanical model of clean production development force of coal enterprises 41
4.4 Summary 45
Chapter 5 Evaluation index system of coal enterprises' clean production development force 47
5.1 Constructing Idea 47
5.2 Layer structure of index system 49
5.3 Screening of indexes 51
5.3.1 Primary screening of indexes 51
5.3.2 Variation coefficient selection 59
5.4 Testing of the index system 61

5.5 Summary 68
Chapter 6 Evaluation methods of coal enterprises' clean production development force 69
6.1 Overview of evaluation 69
6.2 Comparison of several evaluation methods 70
6.2.1 Fuzzy Comprehensive Evaluation (FCE) 70
6.2.2 Analytic Hierarchy Process (AHP) 70
6.2.3 Gray Relational Analysis (GRA) 71
6.2.4 Analytical method of TOPSIS 71
6.2.5 Data Envelopment Analysis (DEA) 71
6.2.6 Artificial Neural Network Method (ANNM) 72
6.2.7 Comparison of evaluation methods 72
6.3 Evaluation methods optimization model 73
6.3.1 "AGT" comprehensive integrated evaluation model 73
6.3.2 Procedure of "AGT" comprehensive integrated evaluation model 75
6.4 Summary 79
Chapter 7 Empirical study of coal enterprises' clean production developing force 80
7.1 Practice of Lingbei Group's clean production development 80
7.1.1 Course of Lingbei Group's clean production development 80
7.1.2 Effects of Lingbei Group's clean production development 85
7.2 Evaluation on the development force of Lingbei Group's clean production 88
7.2.1 Data sources 88
7.2.2 The determine of the data weights 89
7.2.3 "AGT" comprehensive integrated evaluation 93
7.3 Research design and methodology on the influencing factors of development performance 96
7.3.1 Questionnaire design 96
7.3.2 Procedures of data collection 97
7.3.3 Variable definition and choice of indexes 97

7.3.4 Data analysis method 98
7.4 Data collection and sample description of factors affecting the development performance 99
7.4.1 Descriptive statistics of samples and variables 99
7.4.2 Homogeneous tests and variance analysis of the data 100
7.5 Reliability and validity tests of factors influencing development performance 101
7.5.1 Reliability test 101
7.5.2 Validity test 102
7.6 SEM model analysis and the results of influencing factor of the development performance 108
7.6.1 Establishment and verification of SEM model 108
7.6.2 Hypotheses testing and interpretation of results 109
7.7 Summary 113
Chapter 8 Fostering and promoting of coal enterprises' clean production 114
8.1 Implementing diversified operations and strengthening economic growth force 114
8.1.1 Developing clean production industry chain and raising added value of products 114
8.1.2 Developing and utilizing renewable resources 115
8.1.3 Fostering enterprises' capital operation capability 116
8.2 Enhancing corporate social responsibility force and building up a harmonious society 116
8.2.1 Improving corporate social responsibility through the efforts of government 117
8.2.2 Improving social responsibility from the perspective of enterprises 118
8.3 Improving clean production system and strengthening comprehensive utilization of resources 119
8.3.1 Strengthening resources exploration 120
8.3.2 Strengthen recycling of mine water 120
8.3.3 Strengthening comprehensive utilization of resources 120
8.4 Strengthening technological strategy and accelerating enterprises' technological innovation 121
8.4.1 Enterprise technical innovation entities 122
8.4.2 Operation of technological innovation entities 122
8.4.3 Focuses of enterprise technology innovation 123

8.5 Improving management system and the management efficiency 125
8.5.1 Improving clean production management system 125
8.5.2 Establishing incentive system for clean production 126
8.5.3 Paying attention to talent planning 126
8.6 Summary 127
Chapter 9 Summary and outlook 128
9.1 Summary 128
9.2 Research outlook 131
BIBLIOGRAPHY 132
APPENDIX 143
DECLARATION 147
RESUME 148

Table of TABLES

Table 1: Statistics of coal industry chain 9
Table 2: Statistics about evaluation objectives, structural levels and influencing factors of coal enterprises' clean production index system 11
Table 3: Evaluation Index Frequency Statistics Figure of Coal Enterprises Clean Production 51
Table 4: Developing Force Evaluation Index System of Coal Enterprises Clean Production 58
Table 5: Basic information of respondents 59
Table 6: Evaluation index and its significance 69
Table 7: The level, scale and meaning of the matrix 76
Table 8: Comparison of production efficiency 86
Table 9: Matrix of the criterion weight 89
Table 10: Weights 91
Table 11: Samples' distribution by gender 99
Table 12: Test of Homogeneity of Gender 100
Table 13: Test of Variance of Gender 100
Table 14: Reliability tests 101
Table 15: KMO and Bartlett's Test(a) 102
Table 16: Total Variance Explained 103

Table 17: Total Variance Explained 103
Table 18: Simulation Fitness of CFA Model 105
Table 19: Regressive variance in CFA model 106
Table 20: Construct Reliability in CFA model 107
Table 21: SEM model parameter estimation and the results fit index 109
Table 22: SEM model parameter estimation 109

Table of FIGURES

Figure 1: Technology roadmap 16
Figure 2: Basic logical structure chart 17
Figure 3: Trend of the production structure of China's coal mines (Unit: %) 29
Figure 4: Trend of China's coal output in 1991-2011(unit: million tons) 30
Figure 5: Conceptual diagram of enterprise's clean production development force 38
Figure 6: Slope sphere mechanical analysis model 41
Figure 7: Mechanical model of development force in coal enterprises' clean production 44
Figure 8: Confirming Process of Index System 49
Figure 9: Trends of the development of clean production 95
Figure 10: The CFA of model 105
Figure 11: Initial model path 108

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