

Shanmai Haimori Xinan **1,2 J-bow and**

环境影响报告书

NUKATUN PROJECT

(high level of
iteration)

CNNC Shanmu Nuclear Energy Co.

April, 2024

Classified.

Sacred Book (Document)		
No.		
2306-JO0HYK01		
Total 1	Volume	
volume	1	
Edition: A	Status.	CFC

山东海阳辛安核电项order (taxonomy)

Units 1 and 2

Engineering program 2306

No. _____

Sub-item number or system number _____

Sub-item or system name _____

design Design Stage feasibility study

Stage MH

worker Report on the impact of the 'Ring of Fire' on the

type of work environment

Name of Winter Book (site selection phase)

(Document)

Roster (Document)

No. Approval _____

Approval 王东海


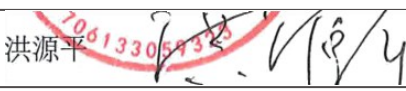
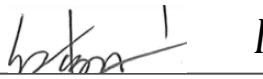

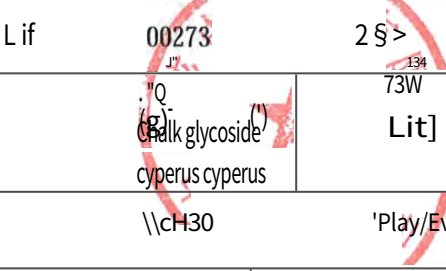
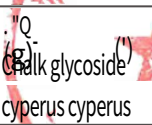


--	--	--	--	--	--	--	--

This document is the property of China National Nuclear Power Engineering Corp. This document is the property of China National Nuclear Power Engineering Corporation (CNPE) and may not be reproduced, distributed, published or transmitted in any way.


中国核电工程有限公司

二〇二四年四月

制单位制情表 Table of Establishment and Establishment

Item No.	DEOidE		
Name of construction project	Shandong Haiyang Xin'an Nuclear Power Project Units 1 a n d 2 [Site Selection Stage].		
Type of construction project	5 (0.5) (Installation) Nuclear (Nuclear) Nuclear Treatment facilities; radiological contamination; Governance projects		
Type of EIA Ai	written report		
I. The case of the heroine unit			
Name of organization (seal)	 山东核能有限公司		
Unified Social Credit Code (USCC)	Mupid 600M' 51G Gf Ja/7		
Legal representative [signed]	 洪源平		
Head of Maintenance (Signature)	 Ren Xuejiang		
Supervisor directly responsible (signature)	 Han Bin (1979-), CCTV sports presenter		
II. Status of preparation units			
Name of the organization [seal]	 China Nuclear Power Engineering Corporation (CNPCEC).		
Unified Social Credit Code (USCC)	L if 00273 2 S > 134		
三、Staffing situation	 Lit]		
1. Preparation of the facilitator			
name and surname	Vocational Qualification Certificate Biao	Tang Yuwan, Biancheng.	sign (a signature)
Xue Na (1838-1894), Qing dynasty poet	201603511035000003512110317	BH026661	 Xue Na Diagnostic Unit (formerly known as Khome Diagnostic Unit)
2. Key staffing			
name and surname	Main preparation content	Credit Number	sign (a signature)
Catherine Gao	Chapters VI, VII	BH026937	 Seven

Guiling (1935-1995), famous Chinese-American actress			Spearmints 5/Daddy'.
Zhang Jinghui (1962-), PRC actor	chap	BH026938	Camphor ² Bran Scirpus
Xue Na (1838-1894), Qing dynasty poet	Chapters I, X	BH026661	Carbon capture
litmus	Chapter V	BHD26658	remain silent

Wang Xin (1973-), PRC female pop star and actress	第三章、Chapter VIII	BH026929	
mu	Chapter 9	BH026932	/) '(/) '(/) ' (/) '(/) '(/)
Li Jing (1927-), Chinese- American physicist, Nobel laureate in Physics 1977- 1981	Chapter II	BH026930	POK Oxygen

name and surname	Fertility and qualification of Chiang Kai- shek management summer	Credit Bow	bamboo fish trap
Xue Na	0000844 (Nuclear Security Qualification Promotion) ZNPPE43-2309 (Denzong summer vacation)	BH026661	lit 'Heir'

MODIFICATION

File modification,

				MODIFICATION
REV 版本	DATE 日期	CHAPTER 章节	PAGE 页码	修改范围及依据
A	2024.4	-	-	首次出版

Project Units I and 2 [Site Selection Phase].

	general
Chapter 1 summarize	catalog
1.1 Name of the nuclear power plant and nature of construction	
1.2 Construction scale and site master plan	
1.3 Construction projects Project funding and investment in environmental facilities	
1.4 construction purpose	
1.5 Progress of the construction project	
1.6 Basis for Preparation of the Environmental Impact Statement	
1.7 Evaluation criteria	
1.8 Project Components	
1.9 Environmental protection measures	
1.10 Scope of evaluation	
Chapter II Site and Environment	
2.1 Geographic location of the plant	
2.2 Population distribution and dietary habits	
2.3 Land Crucible and Resource Profile	
2.4 hydrological	
2.5 hydrography	
2.6 topography	
Chapter III Status of environmental quality	
3.1 Status of the quality of the radiation environment	
3.2 Status of the quality of the non-release environment	
child's nuclear plant	

first

birthday

(of a

child)

- 4.1 Plant planning and layout
- 4.2 Reactors and steam-electric systems
- 4.3 Water and heat dissipation systems
for nuclear power plants
- 4.4 transmission system
- 4.5 Dedicated security facilities
- 4.6 Radioactive Waste Management
System and Source Project

Units 1 and 2 [Site Selection Phase].

4.7 Non-radioactive waste disposal systems

4.8 Within the film's fiktft fjb filter Transportation

Chapter V Environmental impacts of the construction process of nuclear power plants

5.1 land use

5.2 Water utilization

5.3 Control of the effects of sizing

Chapter VI Environmental impacts of nuclear power plant operations

6.1 Environmental impacts of cooling systems

6.2 Radiation effects of normal operation

6.3 Other environmental impacts

Chapter VII Environmental impacts and environmental risks of nuclear power plant accidents

7.1 Evaluation of radiological accidents and consequences in nuclear power plants

7.2 On-site transportation accidents

7.3 Other accidents

7.4 accident and emergency response

No. / \ Grass **Effluent** monitoring and environmental monitoring

8.1 Radiation monitoring

8.2 Other ~~scope~~

8.3 Monitoring facilities

8.4 Quality Assurance

commitments

10.1 Nuclear Power Plant Construction Project

10.2 Environmental protection facilities

10.3 radioactive discharge

10.4 Conclusion of the evaluation of the impact of radiation on the environment

10.5 Conclusion of the evaluation of the impact of

Chapter 9 Benefits and Costs of

Splitting the Prayer

9.1. Analysis of interests

9.2 Cost analysis

Chapter X Conclusions and

the non-radiological ring wall

10.6 Summary of Public Comments

Received

China National Nuclear Corporation (CNNC)

Project Units 1 and 2 [Site Selection Phase].

10.7 promise

Chapter I OVERVIEW

- 1.1 Servicing and construction of fodder.
 - 1.1.1 Nuclear Tuen Mun Plant Name Fodder
 - 1.1.2 Servicability
- 1.2 Project Size and Location Planning
- 1.3 Yellow label fee for construction projects and investment in bad facilities
- 1.4 Purpose
- 1.5 The bursting of the CIC project
- 1.6 Bases for using the lease transaction in the environment
 - 1.6.1 Basis of Establishment Document
 - 1.6.2 Principal statutes to be followed? Margins and rules of procedure
- 1.7 Prices of ping quota
 - 1.7.1 Value-added measurements of bad influence on the environment
 - 1.7.2 Non-radiometric bad-earth influence of ping rolloffs
- 1.8 Project Composition
- 1.9 measures to protect the environment
- 1.10 Treasure price for van mills
 - 1.10.1 The radiation environment is characterized by a high level of radiation leakage.
 - 1.10.2 Non-radiation bad environment affects the price of the scales.

a meter (measuring sth)

表 1.7-1 2121152fifilfiififififi?Hfifikfifi'ffifiifitHfV/Jifihfifififér6Sméflfifilifififi'ffifl

(be) worth

surname Guan

The plant has a radius of 80km. 80km radius of the plant site Fanning bang price sub-district division schematic group

Nakata Nukatsukudo Kogyo Stand Co.

Meizumi 1

Impact Report [Site Selection Stage].

1.1 Name of construction project and nature of construction

1.1.1 Name of nuclear power plant

Project Name: Shandong Haiyang Xin'an Nuclear Power

Project from Units 1 and 2

Project construction unit = CNNC Shandong Nuclear Energy Co.

1.1.2 Nature of construction

As the project owner, CNNC Shandong Nuclear Energy Co., Ltd. is responsible for the construction, operation and management of the Shandong Haiyang Xin'an Nuclear Power Project () and Unit 2.

1.2 Scale of construction

The site is planned to build four megawatt-class pressurized water reactor nuclear power units and two 600MW high-temperature gas-cooled reactor demonstration projects, with one-time planning and phased construction, and the construction of two "Hualong No. 1" improved units and their ancillary facilities in the current phase.

1.3 Funding for construction projects and investment in environmental protection facilities

Shandong Haiyang Xin'an Nuclear Power Project Units 1 and 2 adopt 2 sets of MWD pressurized water reactor nuclear power generating units, with a total planned capital of RMB **4,451,071,000,000** (excluding the ancillary transmission and substation works), which will be financed by capital funds and loans from domestic financial institutions. The capital fund of the project will be financed by the project contributors [shareholders] in accordance with the shareholding ratios determined in the capital contribution agreement = except for the capital fund, the capital demand will be supported by loans from domestic policy banks [or] commercial banks.

Shandong Haiyang Xin'an Nuclear Power Project 1, 2 **Pa'ifl'efififl l'Efififir'fl fir'fl 123,602,000,000.**

Approximately 2.78% of the total planned funds for the overall project, of which the relevant sub-projects are accounted for according to the principle of apportionment of project proposals.

1.4 construction purpose

1) Development of nuclear power is China's energy strategy

According to the supply and demand situation of Shandong's energy resources, Shandong's local energy resources are unable to meet Shandong's large-scale power generation demand, and energy needs to be imported from outside the province. From the perspective of energy supply, the construction of the CNNC Haiyang Nuclear Power Project at can further optimize Shandong's power supply and greatly reduce the growing demand for coal. At present, the construction of nuclear power projects along the coast of China has been substantially restarted, and the environment for future nuclear power development is better and promising. Shandong has good resources for nuclear power plant sites and **good conditions** for the development of nuclear power, **and** the appropriate development of nuclear power is in line with the country's energy development strategy.

2) The need for sustainable economic development

In Shandong Province, thermal power is the main source of energy, which has caused great pressure on the environment of the province, and as people's understanding of the relationship between the economy and the environment and the importance of environmental protection continues to improve, Shandong must reverse the traditional three-sustainable source of energy development, and establish the principle of sustainable energy development, and make it clear that clean energy is the main direction of energy development in the future. The Jiaodong Peninsula has always been an important load center in Shandong Province, and has always lacked a strong power source to support its power needs, which is mainly generated from the southwestern Shandong province's power grid.