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在辽宁省开展的法定安全评价项目必须经辽宁省安全评价“互联网+智慧监管”系统取得监管认证二维码，各级应急管理部门可通过扫码下载“辽宁安评APP”核验项目状态，使用APP扫码后橙色为可评审状态，绿色为可备案状态。

清原满族自治县红透山镇兴顺选金厂

尾矿库技改项目
安全设施验收评价报告

辽宁万泽安全技术服务有限公司

资质证书编号：APJ-（辽）-015

二〇二五年五月



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在辽宁省开展的法定安全评价项目必须经辽宁省安全评价“互联网+智慧监管”系统取得监管认证二维码，各级应急管理部门可通过扫码下载“辽宁安评APP”核验项目状态，使用APP扫码后橙色为可评审状态，绿色为可备案状态。

清原满族自治县红透山镇兴顺选金厂尾矿库技改项目

安全设施验收评价报告

ln-LNWZ-YSPJ-2024-0001

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评价项目负责人：王飞

2025年05月

(评价机构公章)

前言

The image consists of a single page with 20 horizontal black redaction bars. These bars are of varying lengths and are positioned at different vertical intervals. The first bar is at the top, followed by a short gap, then a longer bar, another short gap, and so on. The lengths of the bars decrease as they move down the page. There is a significant gap between the 10th and 11th bars, and another between the 18th and 19th bars.



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第1章 安全评价的范围、依据

1.1 评价范围

A series of seven horizontal black bars of varying lengths, decreasing from top to bottom. The first bar is the longest, followed by a shorter one, then a very long one, then two more short ones, and finally two very long ones at the bottom.

1.2 评价依据

1.2.1 法律法规

The image consists of a series of horizontal black bars of varying lengths, arranged vertically. These bars represent redacted content, such as names or addresses, from a document. The lengths of the bars correspond to the length of the redacted text they represent.

1.2.2 行政法规

Category	Approximate Sample Range
1	100 - 600
2	100 - 400
3	100 - 300
4	100 - 300
5	100 - 300
6	100 - 300
7	100 - 300
8	100 - 300
9	100 - 300
10	100 - 150

1

[View all posts](#) | [View all categories](#)

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is 1000. The area of the rectangle is $10 \times 100 = 1000$.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER The answer is (A) $\frac{1}{2}$.

[REDACTED]

ANSWER The answer is 1000.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

[View Details](#) | [Edit](#) | [Delete](#)

[REDACTED]

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER *What is the name of the author of the book?*

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER **ANSWER** **ANSWER** **ANSWER** **ANSWER**

[REDACTED]

1

ANSWER The answer is 1000.

ANSWER **ANSWER** **ANSWER** **ANSWER** **ANSWER**

[View Details](#) | [Edit](#) | [Delete](#)

1

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ANSWER *See page 10.*

ANSWER The answer is (A) $\frac{1}{2}$.

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is 1000. The area of the rectangle is 1000 square centimeters.

ANSWER The answer is 1000. The area of the rectangle is $10 \times 100 = 1000$.

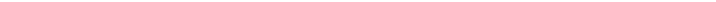
ANSWER

ANSWER The answer is 1000.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

[View Details](#) | [Edit](#) | [Delete](#)

A set of small, light-colored navigation icons typically found in LaTeX Beamer presentations, including symbols for back, forward, search, and table of contents.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

[REDACTED]

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

[REDACTED]

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[View Details](#) | [Edit](#) | [Delete](#)

ANSWER **ANSWER** **ANSWER** **ANSWER** **ANSWER**

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER *See page 10.*

ANSWER The answer is (A) $\frac{1}{2} \ln(1 + x^2)$.

[View all posts by \[Author Name\]](#) | [View all posts in \[Category Name\]](#)

For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at john.smith@researchinstitute.org.

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Figure 1. The effect of the number of clusters on the classification accuracy of the proposed model. The proposed model is compared with the KNN classifier.

ANSWER The answer is (A) $\frac{1}{2}$. The probability of getting a head on a single flip of a coin is $\frac{1}{2}$.

[View Details](#) | [Edit](#) | [Delete](#)

1

[View Details](#) | [Edit](#) | [Delete](#)

Figure 1. The effect of the number of clusters on the classification accuracy of the proposed model. The proposed model is compared with the KNN classifier.

1.2.3 标准规范

Figure 1. The effect of the number of clusters on the classification accuracy of the proposed model.

ANSWER The answer is (A). The first two digits of the number 12345678901234567890 are 12.

ANSWER The answer is (A). The first two digits of the number 12345678901234567890 are 12.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

[View Details](#) | [Edit](#) | [Delete](#)

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is 1000. The first two digits of the number 1000 are 10.

ANSWER The answer is (A) $\frac{1}{2} \pi r^2 h$.

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ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

A horizontal bar chart illustrating the percentage of respondents who have heard of different topics. The y-axis lists the topics, and the x-axis represents the percentage from 0% to 100%. The bars are black.

Topic	Percentage
Healthcare	95%
Technology	92%
Finance	88%
Politics	85%
Entertainment	82%
Science	78%
Sports	75%
Culture	72%
Business	68%
Food	65%
Travel	62%
Automotive	58%
Real Estate	55%
Automotive	52%
Automotive	50%
Automotive	48%
Automotive	45%
Automotive	42%
Automotive	40%
Automotive	38%
Automotive	35%
Automotive	32%
Automotive	30%
Automotive	28%
Automotive	25%
Automotive	22%
Automotive	20%
Automotive	18%
Automotive	15%
Automotive	12%
Automotive	10%
Automotive	8%
Automotive	5%
Automotive	3%
Automotive	1%
Automotive	0%

1.2.4 项目合法证明文件

The image consists of four horizontal black bars of varying lengths. The top bar is the longest, followed by a shorter one, then another long one, and finally a very short one at the bottom.

1.2.5 企业提供的主要相关文件

1.2.5 其他评价依据

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

第2章 建设项目概述

2.1 建设单位概况

2.1.1 工商概况

A series of eight horizontal black bars of varying lengths, decreasing from top to bottom. The bars are evenly spaced and have a uniform thickness.

2.1.2 项目背景及立项情况

A series of nine horizontal black bars of varying lengths, decreasing from top to bottom. The bars are evenly spaced and extend across the width of the frame.

The image consists of a series of horizontal black bars of varying lengths, arranged vertically. The bars are solid black rectangles with no internal texture or shading. They are positioned against a plain white background. The lengths of the bars decrease from top to bottom, creating a visual effect of descending steps or a staircase. There are approximately 15-20 bars in total, with the longest bar at the top and the shortest at the bottom.

2.1.3 地理位置及交通

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



图 2-1 尾矿库交通位置图

2.2 自然环境概况

2.2.1 区域地形地貌



2.2.2 气象条件

2.2.3 尾矿库场地地震效应

[REDACTED]

2.3 工程地质概况

2.3.1 地层组成及分布规律

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

ANSWER The answer is (A) $\frac{1}{2}$. The probability of getting a head on a single flip of a coin is $\frac{1}{2}$.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER The answer is 1000.

[REDACTED]

1

ANSWER

REVIEW *“The Last Days of the Roman Republic” by John Keay*

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER The answer is 1000.

ANSWER The answer is 1000. The total number of students in the school is 1000.

Page 1

ANSWER The answer is 1000.

ANSWER The answer is 1000. The area of the rectangle is 1000 square centimeters.

ANSWER The answer is 1000.

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[REDACTED]

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER **ANSWER** **ANSWER** **ANSWER** **ANSWER**

[REDACTED]

[REDACTED]

ANSWER The answer is (A) $\frac{1}{2}$.

ANSWER The answer is 1000.

[REDACTED]

[View Details](#) | [Edit](#) | [Delete](#)

[View all posts by **John Doe**](#) [View all posts in **Category A**](#) [View all posts in **Category B**](#)

[View all posts by **John Doe**](#) [View all posts in **Category A**](#) [View all posts in **Category B**](#)

2.3.2 场地各地层的物理力学性质指标

ANSWER The answer is (A) $\frac{1}{2}$.

表 2-1 各类地基土的物理力学性质参数

2.4 水文地质概况

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

1

10 of 10

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER The answer is (A) $\frac{1}{2} \ln(1 + x^2)$.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

10 of 10

Page 10

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For more information about the study, please contact Dr. John Smith at (555) 123-4567 or via email at john.smith@researchinstitute.org.

Figure 1. The effect of the number of clusters on the classification accuracy of the proposed model. The proposed model is compared with the KNN classifier.

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

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ANSWER The answer is (A) $\frac{1}{2}$.

ANSWER The answer is 1000.

ANSWER The answer is (A) $\frac{1}{2}$. The area of the shaded region is $\frac{1}{2} \pi r^2 = \frac{1}{2} \pi (1)^2 = \frac{1}{2} \pi$.

2.5 建设概况

ANSWER The answer is (A) $\frac{1}{2}$.

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER The answer is 1000.

ANSWER The answer is 1000. The total number of students in the school is 1000.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

[View Details](#) | [Edit](#) | [Delete](#)

ANSWER The answer is (A). The first two digits of the number 1234567890 are 12.

2.5.1 尾矿库原有情况

2.5.2 尾矿库库址

A series of horizontal black bars of varying lengths, likely redacted text. The bars are arranged vertically and appear to be of different widths, suggesting they represent different lines of text or different segments of a document.



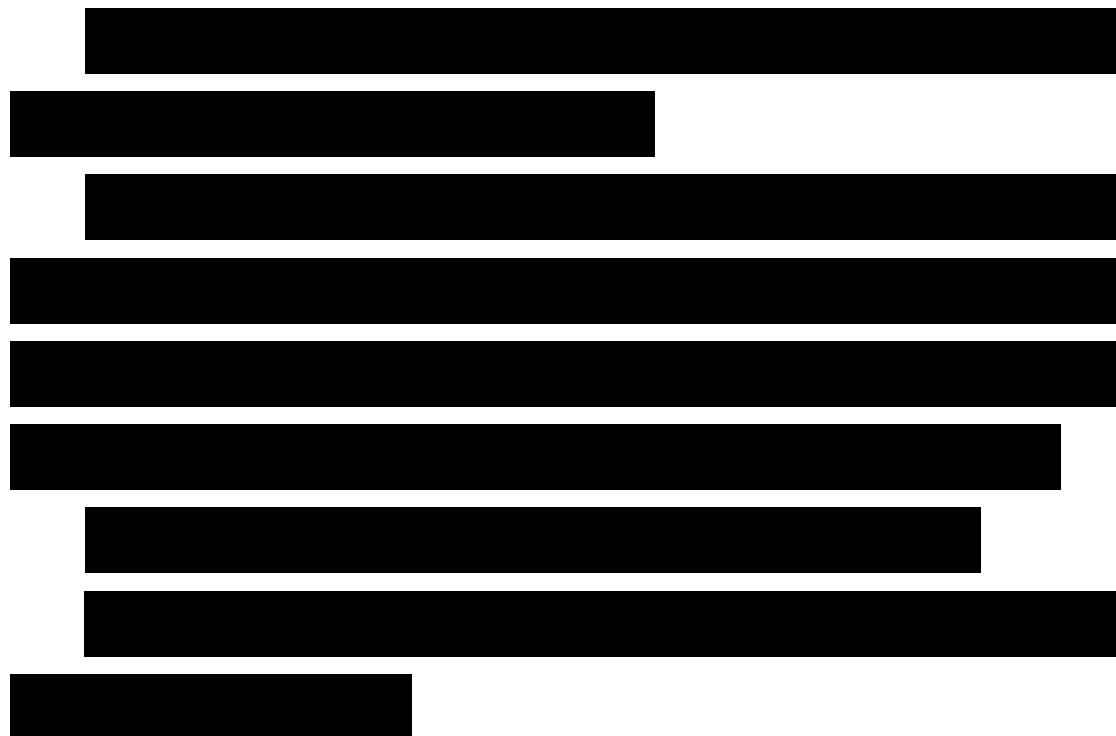
图 2-2 尾矿库周边环境图



图 2-3 尾矿库与选厂车间、办公区相对位置

2.5.3 库容、等别及建设标准

(1) 尾砂情况及服务年限



(2) 尾矿库等别

[REDACTED]	[REDACTED]	[REDACTED]

(3) 主要构筑物级别

		[REDACTED]		
		[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

(4) 防洪标准

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

(5) 最小安全超高及最小滩长

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]					

(6) 坝坡抗滑安全系数

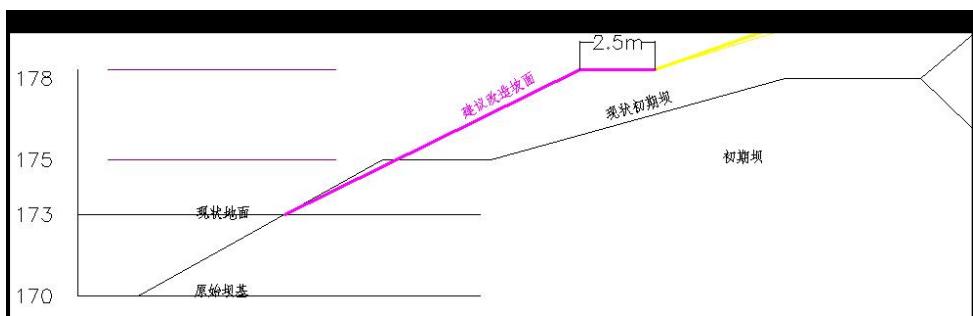
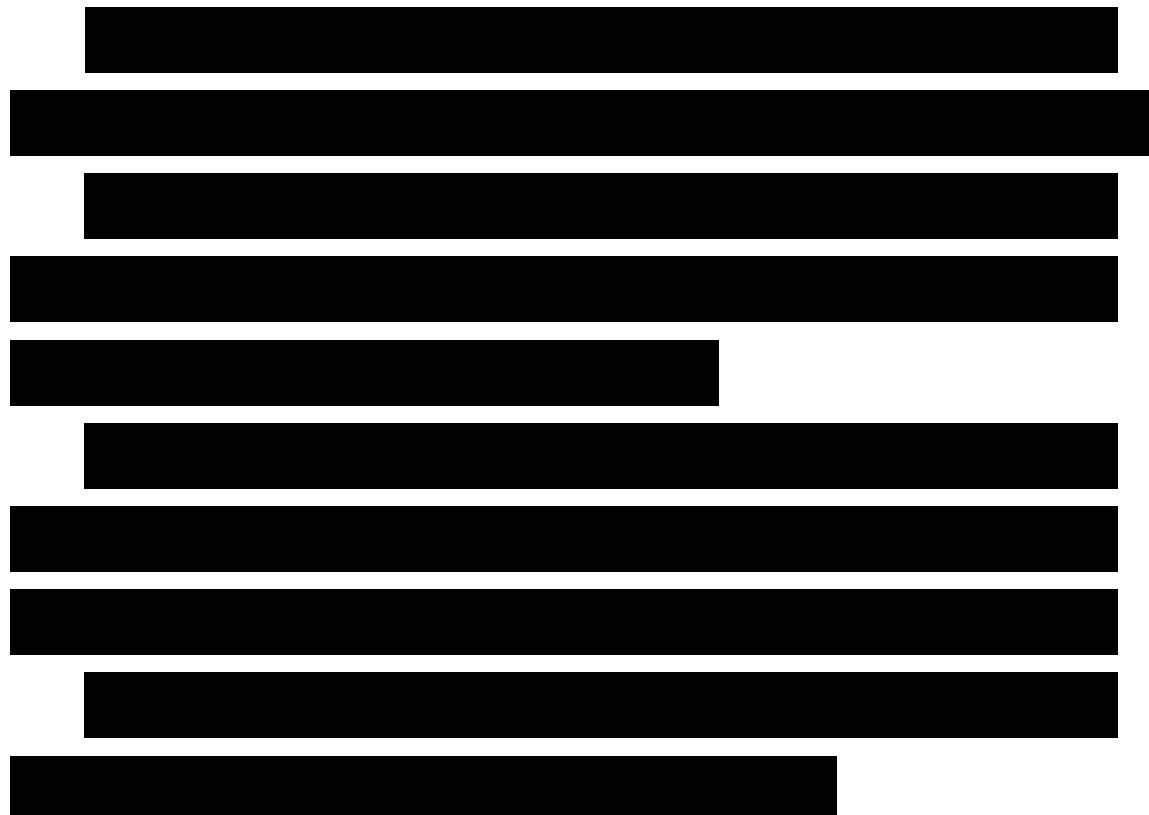
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

(7) 浸润线埋深

2.5.4 尾矿坝

2.5.4.1 初期坝

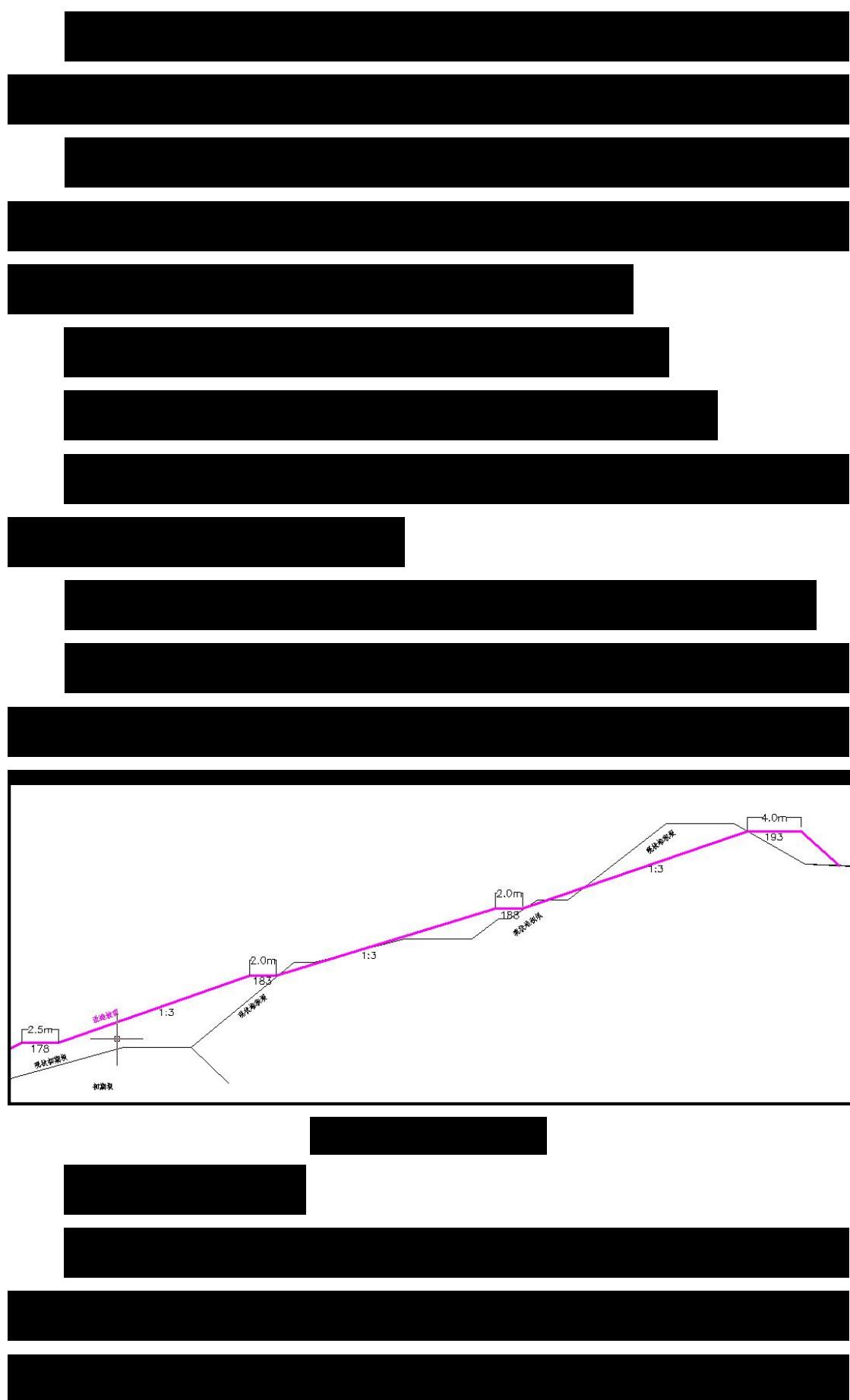
(1) 初期坝技改设计





2.5.4.2 堆积坝









2.5.5 防洪系统

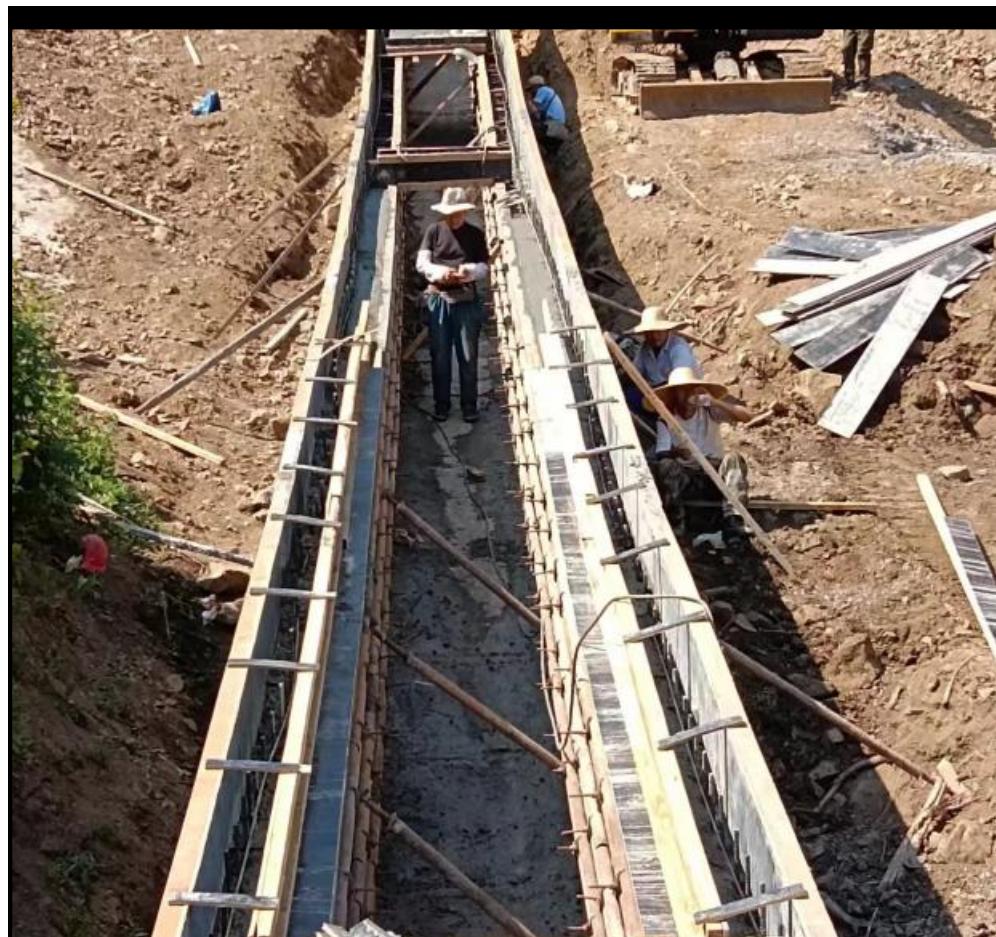


The image consists of a vertical column of approximately 20 horizontal black bars of varying lengths. These bars are evenly spaced and extend across the width of the page. The lengths of the bars vary significantly, with some being very short and others being quite long, creating a visual pattern of alternating black and white space.

The image shows a single page with multiple horizontal black bars of varying lengths. These bars are used to redact sensitive information from the document. The bars are positioned at different vertical intervals and have irregular widths, suggesting they were placed by hand or through a specific redaction tool.













[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]





图 2-20 截洪沟



图 2-21 截洪沟

2.5.6 安全监测

A series of 20 horizontal black bars of varying lengths, arranged vertically from top to bottom. The bars are of different widths, creating a visual effect of decreasing or increasing size across the page.

A vertical column of 20 horizontal black bars. The bars vary in length, creating a visual pattern of alternating solid and empty space. The first bar is the longest, followed by a shorter one, then a longer one, and so on, ending with a very long bar at the bottom.





图 2-23 监测设施



图 2-24 尾矿监测设施



图 2-25 辽宁省尾矿库安全风险监测预警系统数据监测状态



图 2-26 辽宁省尾矿库安全风险监测预警系统数据监测状态

2.5.7 辅助设施





图 2-27 水质监测井



图 2-28 应急道路

2.5.8 个人安全防护



2.5.9 安全标志







2.5.10 企业安全管理



A vertical column of 20 horizontal black bars. The bars vary in length, creating a visual pattern of alternating short and long segments. They are positioned against a white background.



2.5.11 安全设施投入

A large horizontal black redaction bar above a table. The table has 11 columns and 12 rows. The first column contains vertical black bars of varying heights. The second column contains horizontal black bars of varying lengths. The third column contains vertical black bars of varying heights. The fourth column contains horizontal black bars of varying lengths. The fifth column contains vertical black bars of varying heights. The sixth column contains horizontal black bars of varying lengths. The seventh column contains vertical black bars of varying heights. The eighth column contains horizontal black bars of varying lengths. The ninth column contains vertical black bars of varying heights. The tenth column contains horizontal black bars of varying lengths. The eleventh column contains vertical black bars of varying heights.

2.5.12 设计变更



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.6 施工监理概况

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.7 试运行概况

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.8 安全设施目录

Category	Group 1 (White)	Group 2 (Black)
1	10	10
2	10	10
3	10	10
4	10	10
5	10	10
6	10	10
7	10	10
8	10	10
9	10	10
10	10	10
11	10	10
12	10	10

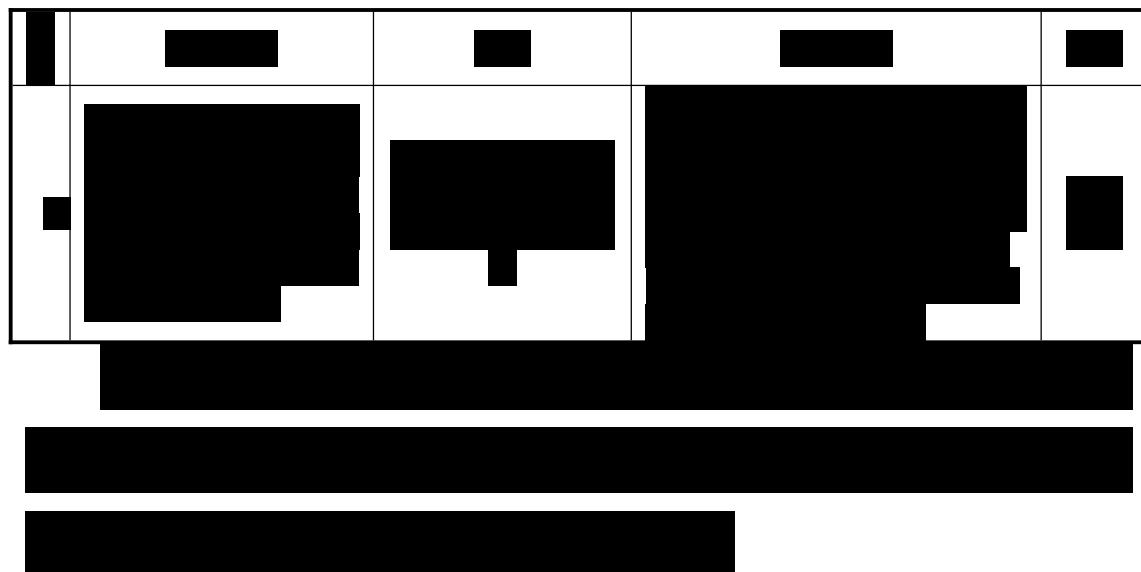
第3章 安全设施符合性评价

3.1 安全设施“三同时”程序

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

表 3-1 安全设施“三同时”程序单元安全检查表

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]



3.1 尾矿坝

3.1.1 初期坝

ANSWER The answer is (A) $\frac{1}{2} \pi r^2 h$.

3.1.1 堆积坝

3.2 防排洪系统

3.3 地质灾害与雪崩防护设施

辽宁万泽安全技术咨询服务有限公司



3.4 安全监测设施

3.5 辅助设施

The image consists of several horizontal black bars of different widths, arranged vertically. From top to bottom, there is a short bar, a medium bar, a long bar, a medium bar, a long bar, a medium bar, a long bar, a medium bar, and a very long bar at the bottom. These bars likely represent redacted text or sensitive information.

3.6 个人安全防护

[REDACTED]

[REDACTED]

[REDACTED]

A 5x5 grid of black and white rectangles. The pattern consists of several large black rectangles and many smaller black squares. In the first row, there are two small black squares in the first column, followed by three empty white cells, one small black square, and one large black rectangle spanning columns 4-5. The second row has a small black square in the first column, followed by a large black rectangle spanning columns 2-3, an empty white cell, and two small black squares in the last two columns. The third row features a small black square in the first column, followed by a large black rectangle spanning columns 2-4, and two small black squares in the last column. The fourth row contains a small black square in the first column, followed by a large black rectangle spanning columns 2-4, and two small black squares in the last column. The fifth row has a single small black square in the fifth column.

3.7 安全标志

3.8 安全管理符合性评价

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]				
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

3.9 重大安全隐患排查单元

第4章 安全对策措施及建议

A series of 18 horizontal black bars of varying lengths, arranged vertically from top to bottom. The bars are positioned at regular intervals, creating a visual pattern of alternating black and white space.

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ANSWER The answer is 1000. The first two digits of the number 1000 are 10.

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ANSWER The answer is (A) $\frac{1}{2}$.

ANSWER The answer is 1000. The first two digits of the number are 10, so the answer is 1000.

ANSWER The answer is 1000. The area of the rectangle is $10 \times 100 = 1000$.

ANSWER The answer is 1000. The total number of students in the school is 1000.

ANSWER The answer is 1000. The area of the rectangle is 1000 square centimeters.

第5章 评价结论

A series of 15 horizontal black bars of varying lengths, decreasing from top to bottom. The bars are evenly spaced and extend across the width of the frame.

附件目录

A series of 20 horizontal black bars of varying lengths, arranged vertically from top to bottom. The bars are of different widths, creating a visual effect of descending steps or a staircase.

附图目录



