



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

辽宁万泽安全技术咨询有限公司

资质证书编号：APJ-（辽）-015

二〇二五年五月



二维码说明:

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

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2025 年 05 月

(评价机构公章)

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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第 1 章 安全评价的范围、依据

1.1 评价范围

[Redacted text block for 1.1]

1.2 评价依据

1.2.1 法律法规

[Redacted text block for 1.2.1]

A series of horizontal black bars of varying lengths, representing redacted text. The bars are stacked vertically, with some having significant gaps before the next bar, suggesting multiple lines of redacted content. The bars vary in length, with some spanning the full width of the page and others being much shorter.

[illegible]

[illegible]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

1.2.3 标准规范

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

A horizontal bar chart consisting of 15 black bars. The bars are arranged in a descending staircase pattern from top-left to bottom-right. The longest bar is the 10th bar from the top, and the shortest is the 15th bar.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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

[Redacted text block]

2.1.2 项目背景及立项情况

[Redacted text block]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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

[illegible]

2.2.2 气象条件

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.2.3 尾矿库场地地震效应

[REDACTED]

[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]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.3.2 场地各地层的物理力学性质指标

[REDACTED]

表 2-1 各类地基土的物理力学性质参数

土体名称	粘聚力 c/kPa		内摩擦角 φ/°		压缩系数 a ₁₋₂ /MPa ⁻¹		孔隙比 e
	平均值	标准值	平均值	标准值	平均值	标准值	
粉质粘土	15	10	10	5	0.25	0.20	1.10
粘土	20	15	15	10	0.30	0.25	1.20
粉砂	10	5	5	0	0.15	0.10	0.80
砂	5	0	0	0	0.10	0.05	0.60
卵石	0	0	0	0	0.05	0.02	0.40
碎石	0	0	0	0	0.02	0.01	0.30

2.4 水文地质概况

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

A series of ten horizontal black bars of varying lengths, representing redacted text. The bars are arranged in a list-like fashion, with some being longer than others, indicating different amounts of redacted content for each item.

A solid black image with no visible content.

The image consists of a single, uniform black rectangle that fills the entire frame. There are no discernible features, text, or patterns other than the solid black color.

[REDACTED]

2.5.2 尾矿库库址

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(2) 尾矿库等别

[REDACTED]

[REDACTED]

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

[REDACTED]

[REDACTED]

(3) 主要构筑物级别

[REDACTED]

（4）防洪标准

（5）最小安全超高及最小滩长

（6）坝坡抗滑安全系数

（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

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

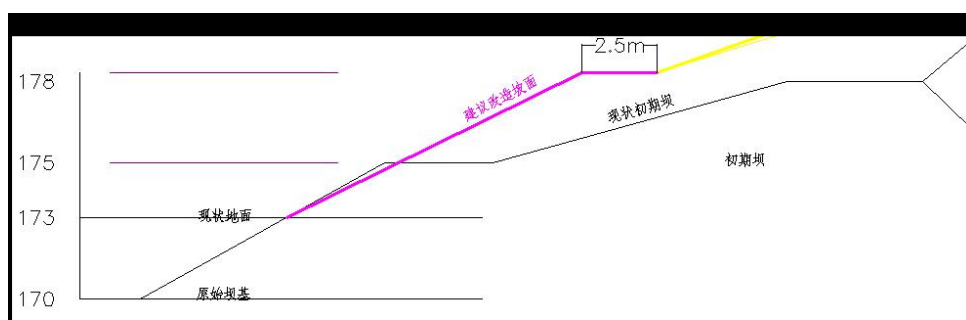
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



2.5.4.2 堆积坝

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

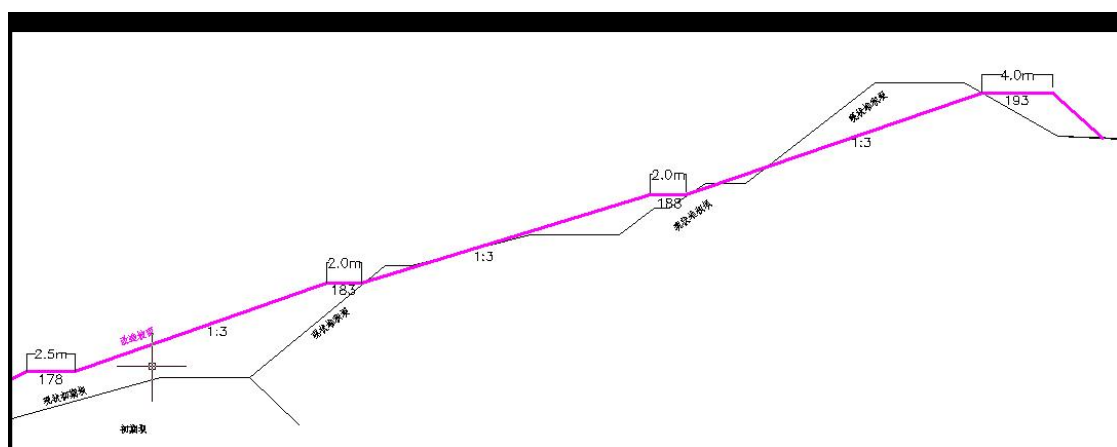
[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]



2.5.5 防洪系统



[illegible]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

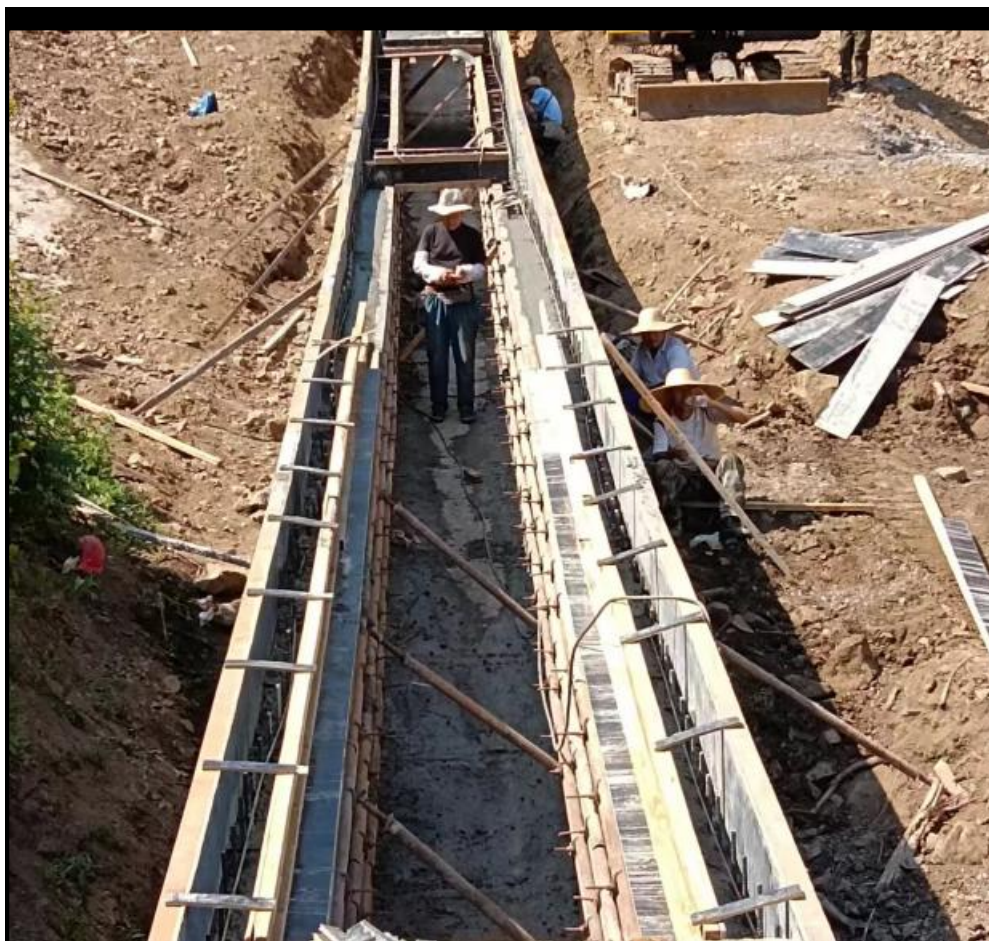
[REDACTED]

[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]



图 2-20 截洪沟



图 2-21 截洪沟

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

2.5.6 安全监测

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[illegible]

[illegible]





图 2-23 监测设施



图 2-24 尾矿监测设施

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



图 2-27 水质监测井



图 2-28 应急道路

2.5.8 个人安全防护

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.5.9 安全标志

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]



[REDACTED]



2.5.10 企业安全管理

A series of horizontal black bars of varying lengths, representing redacted text. The bars are arranged in a list-like fashion, with some bars being longer than others, suggesting different levels of redaction or different types of information being withheld. The bars are solid black and have no text or other markings on them.

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.5.11 安全设施投入

[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]	

2.5.12 设计变更

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.6 施工监理概况

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.7 试运行概况

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

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]

表 3-1 安全设施“三同时”程序单元安全检查表

[REDACTED]

[REDACTED]

[REDACTED]

3.1.1 初期坝

58

3.3 地质灾害与雪崩防护设施

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

3.4 安全监测设施

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

3.5 辅助设施

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

3.6 个人安全防护

[REDACTED]

[REDACTED]

[REDACTED]

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

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

[illegible]

████████████████████

[REDACTED]

I				

I				
I				

3.9 重大安全隐患排查单元

68

[illegible]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[illegible]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

第 5 章 评价结论

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

A horizontal bar chart consisting of 20 black bars of varying lengths. The bars are arranged vertically, with the longest bar in the center and the shortest bars at the top and bottom. The lengths of the bars vary significantly, creating a dynamic visual pattern. The bars are all solid black and have no text or labels associated with them.

附图目录

