



Katie Hobbs
Governor

ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



Karen Peters
Cabinet Executive Officer
Executive Deputy Director

Aquifer Protection Permit Field Inspection Report

This checklist is provided as a tool for permit holders and ADEQ staff to have a consistent understanding of the major compliance expectations under this permit. This checklist is designed to be easy to read and follow. It is intended only to address the permit requirements that ADEQ feels are the most important to protect human health and the environment. This list does not include every permit condition and permit holders should ensure they understand the full requirements of their permit. This list does not supplant or supersede any legal requirement and is not binding on the permit holder or ADEQ staff.

Facility Name: January Adit (Norton Mine) Place ID: 18640	Inspection No: 445443 Inspection Date/Time: May 23, 2024 8:15AM
Inventory/Permit #: 512235 Current LTF#: 98095	Inspector(s): Xan McMacken
Facility Address: 749 Harshaw Road City, State, Zip: Patagonia, Arizona 85624 County: Santa Cruz	Inspector Phone: 602-921-0835 Inspector Email: McMacken.Xan@azdeq.gov
Permittee/Responsible Party: South32 Hermosa Inc. Contact: Kara Haas Mailing Address: 1860 E River Road, Suite 200 City, State, Zip: Tucson, Arizona 85718 Phone: 505-947-1738 Email: brent.musslewhite@south32.net	Mine Type: Underground Mine Annual Fee Flow Rate: 6.652 MGD
Site Manager: Brent Musslewhite Phone: 520-485-1300 Email: Brent.Musslewhite@south32.net Operator Phone: N/A Operator Email: N/A	Compliance Summary: Physical Facilities: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Monitoring and Reporting: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A

Results of Inspection:

No alleged deficiencies were noted during the course of the inspection. No ADEQ action will result from this inspection.

Alleged deficiencies were noted during the course of the inspection and all deficiencies were corrected by the close of business on the final day of inspection. No ADEQ action will result from this inspection.

Alleged deficiencies were noted during the course of the inspection. Additional correspondence regarding this inspection may be forthcoming.

If applicable, ADEQ documents its initial determination that the alleged deficiencies are:

- Committed intentionally.
- Not correctable within a reasonable period of time as determined by the agency.
- Evidence of a pattern of noncompliance as demonstrated by alleged deficiencies previously identified in an inspection report or other written notice at the same premises.
- A significant risk to any person, the public health, safety or welfare or the environment.

Inspection Report Issued: Via email from ADEQ office **Facility Initial:** *BM* **ADEQ Initial:** *XM*

General Notes: Arrived on-site on May 23, 2024 at 8:15AM and met with Environmental Engineer M. Philipp Peters, Principal Environmental Manager Kara Haas, and Site Director Brent Musslewhite. The NOIR was read and signed by Mr. Musslewhite. The inspection began with a walkthrough of the facility starting at the Water Treatment Plant 2 (WTP2) and ending at WTP1. Post-walkthrough, on-site paperwork was reviewed in the Patagonia Office. Following paperwork review, the inspection report was finalized and reviewed with Mr. Peters and Mr. Musslewhite including summary of the inspection, recommendations, and next steps. The inspection concluded at 11:45AM.

PHOTOGRAPHS TAKEN DURING INSPECTIONS ARE AVAILABLE IN THE PHOTO LOG

Requirements: C: Compliance, NC: Non-Compliance, P: Pending, N/A: Not Applicable

Non-submittals or exceedances within the last six quarters of SMRF reporting.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	No SMRF issues.
The required notifications provided for violation of any permit condition, discharge limit, or exceedance of an alert level.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	N/A
SMRFs and monitoring requirements were discussed with the facility.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Kara Haas currently submits SMRFs.
Facility has any outstanding or overdue compliance schedule items. (Section 3.0 in the permit)	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	None at issue.
A copy of the current signed permit on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	A physical copy of the current signed permit was present onsite.
A copy of the operations and maintenance manual on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Physical copies of the O&M manual were present onsite.
A copy of the approved contingency/emergency response plan on-site.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	A physical copy of the approved contingency / emergency response plan was present onsite.
Unauthorized discharge of suspected hazardous, toxic, or non-hazardous materials. If so list corrective actions taken. (Section 2.6.5)	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	None known. – No discharges.
Facility Description and Operational Monitoring Requirements	Requirement met?	Comments
Log book of the inspections and measurements required by this permit updated and current.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Inspections are kept in an online system.
Facility treatment processes match what is in the current permit.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	<input checked="" type="checkbox"/> Underdrain Collection Pond <input checked="" type="checkbox"/> Tailings Storage Facility <input checked="" type="checkbox"/> Water Treatment Plant 1 (WTP1) <input checked="" type="checkbox"/> Water Treatment Plant 2 (WTP2)
Facility being maintained according to the Operations and Maintenance Manual.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	
Facilities	Requirement met?	Comments
<i>Underdrain Collection Pond (UCP):</i>		Monthly, except Freeboard – Weekly.
<ul style="list-style-type: none"> Liners: any visible cuts, tears, perforations, damage or impairment of anchor trench integrity, 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	No damage anywhere in evidence.
<ul style="list-style-type: none"> Any visible erosion in conveyances and diversions, or excess debris accumulation, 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	No excess debris accumulation. No erosion.
<ul style="list-style-type: none"> No visible structural weakness, seepage erosion, or other hazardous conditions 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	No issues.
<ul style="list-style-type: none"> Freeboard: 7 feet. 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Pond nearly dry.
<ul style="list-style-type: none"> Pumping System is in good working condition 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Pumping system was observed to be in good working condition.
<ul style="list-style-type: none"> Sediments/Sludge: Remove as needed to maintain at least 90% of design capacity. 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Minimal sediments in pond. ~1 inch.
<i>Tailings Storage Facility (TSF) :</i>		
<ul style="list-style-type: none"> Any visible tailings dam 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	No visible deformations, cracks, sloughing, seeps,

<p>deformations including surface cracks, slides, sloughs, seeps, erosion features, or differential settlement affecting dam stability</p> <ul style="list-style-type: none"> Any visible crest failures or slips at toe Piezometric Head: The phreatic surface in the piezometers < 1.5' Facility height does not exceed 5,175' amsl 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A <input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A <input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	<p>erosion, or differential settlement in evidence.</p> <p>No crest failures observed.</p> <p>Phreatic surface of all Piezometers less than zero.</p> <p>Height during inspection: 5,108 feet.</p>
<i>TSF Berm Integrity:</i> berms are maintaining structural integrity.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The entire berm was observed to be in good condition and maintaining structural integrity.
<i>TSF Piezometers:</i> are working properly and are not obstructed.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	Piezometers in good working condition.
<i>WTP1:</i> no structural damage, clear entrance pipes and effluent water, and clean filters and screens.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The WTP1 was not in operation, as the UCP was dry. The facility was observed to be in excellent condition.
<i>WTP1:</i> pumps, pump structures and tanks are in good working condition.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The pump structures and tanks were observed to be in pristine condition.
<i>WTP1:</i> plant components are in good working condition.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The plant components were observed to be in pristine condition.
<i>WTP2:</i> no structural damage, clear entrance pipes and effluent water, and clean filters and screens.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The WTP2 was not in operation, as the TSF was nearly dry and no shaft pumping was required. The facility was observed to be in excellent condition.
<i>WTP2:</i> pumps, pump structures and tanks are in good working condition.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The pump structures and tanks were observed to be in pristine condition.
<i>WTP2:</i> plant components are in good working condition.	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The plant components were observed to be in pristine condition.
Compliance Monitoring	Requirement met?	Comments
POC #2 – 200 feet downgradient of the AZPDES Outfall-001 (MW3) Loc: 31° 28' 18.91" N 110° 43' 48.83" W <ul style="list-style-type: none"> Location verified? Does the well appear to be in working order? 	<input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A <input checked="" type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input type="checkbox"/> N/A	The well was observed to be in good working condition, with well-casing intact.
Field Methods – Facility is using applicable on-site calibrations and quality assurance for T, pH, and specific conductance?	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	ACC Labs out of Steamboat Springs, CO is utilized for testing.
Facility has a written QA manual for all analysis done on-site.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
ADHS approved methods used for all analyses.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
Facility has a method detection limit study for lab methods?	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
On-site lab instruments properly calibrated.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
On-site calibration and baseline reagents within expiration dates.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
On-site flow meters properly calibrated.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	
Facility has bench log sheets.	<input type="checkbox"/> C <input type="checkbox"/> NC <input type="checkbox"/> P <input checked="" type="checkbox"/> N/A	

ALLEGED DEFICIENCIES, RECOMMENDATIONS AND COMMENTS:

Alleged Deficiencies:

During the May 23, 2024 inspection, the inspector did not observe any alleged deficiencies.

Recommendations:

None

Comments:

None



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY NOTICE OF INSPECTION RIGHTS

FACILITY INFORMATION	ADEQ INFORMATION
Facility Name (Customer): January Adit (Norton Mine)	Inspection Date: 5/23/2024
Facility Location (Place): 749 Harshaw Road Patagonia, Arizona 85624	Inspection Time: 8:15AM
Mailing Address: 1860 E River Road, Suite 200 Tucson, Arizona 85718	County: Santa Cruz
Responsible Party: South32 Hermosa Inc.	Inspector: Xan McMacken
On-Site Representative: Brent Musslewhite	Telephone: 602-921-0835
Telephone: 505-947-1738	Accompanied by: N/A
Title: Plant Director	ADEQ Follow-up Contact: Tim Pippenger
E-mail: brent.musslewhite@south32.net	Title: Unit Manager
	Telephone: 602-370-7358

The ADEQ representative(s) identified above were present at the above address on the above listed date and time. Upon entry to the premises, the ADEQ representative(s) met with me, presented photo identification indicating that they are ADEQ employees and explained:

- That the purpose of the inspection is to determine:**
 - Compliance with Title 49 of the Arizona Revised Statutes, Title 18 of the Arizona Administrative Code* and/or:
Arizona Revised Statutes: Title 49, Chapter 2 et seq, Article _____.
Arizona Administrative Code: Title 18, Chapter 9 et seq, Article _____.
Permit/Agreement Number: APP Permit #512235, LTF #98095.
 - Qualification for a license issued pursuant to:
Arizona Revised Statutes: Title 49, Chapter 2, Article _____.
Arizona Administrative Code: Title 18, Chapter 5, Article _____.
- That this inspection is conducted pursuant to the authority granted in Arizona Revised Statutes § 49-104(B)(8) and/or:**
Arizona Revised Statutes: § 41-1009, 49-203(B)(1).
Arizona Administrative Code: R18-9-110.
Permit/Agreement Number: APP Permit #512235, LTF#98095.
- That the state shall not be barred by the statutes of limitations of actions, according to A.R.S. § 12-510, except as provided in A.R.S. § 12-529 concerning certain claims based on navigability of watercourses. According to 28 U.S.C. § 2462, the U.S. government must commence an action within 5 years after the date the claim first accrued.
- The applicability of the Small Business Bill of Rights pursuant to Arizona Revised Statutes § 41-1001(21).
- That the fee for this inspection is: \$0.00.

*The Arizona Revised Statutes (A.R.S.) can be found on the internet: www.azleg.state.az.us/ArizonaRevisedStatutes.asp while the Arizona Administrative Code (A.A.C.) can be found at www.azsosaz.gov/public_services/Table_of_Contents.htm.

While I have the right to refuse to sign this form, the ADEQ representatives may still proceed with the inspection.

- I have read this notice and discussed any questions or concerns with the ADEQ representatives and I have received the Small Business Bill of Rights.

Signature of Regulated Person or Authorized On-Site Representative 5-23-24
Date

- The regulated person or authorized on-site representative refused to sign.

Name of Regulated Person or Authorized On-Site Representative Title

- The regulated person or authorized on-site representative was not present at the facility.

Signature of ADEQ Representative 5-23-2024
Date

INSPECTION RIGHTS

- I understand that I can accompany the ADEQ representative(s) on the premises, except during confidential interviews.
- I understand that I have right, on request, to:
 - Copies of any original documents taken during the inspection, and that ADEQ will provide copies of those documents at ADEQ's expense;
 - A split of any samples taken during the inspection, if the split of the samples would not prohibit an analysis from being conducted or render an analysis inconclusive;
 - Copies of any analysis performed on samples taken during the inspection and that ADEQ would provide copies of this analysis at ADEQ's expense;
 - Copies of any documents to be relied on to determine compliance with licensure or regulatory requirements if the agency is otherwise permitted by law to do so.
- I also understand that:
 - Each person who is interviewed by an ADEQ inspector during the inspection must be informed that:
 - (1) participation in an interview is voluntary, unless legally compelled to participate;
 - (2) they have the right to have an attorney or other experts in their field present during the interview to represent or advise the regulated person;
 - (3) the ADEQ inspector may not take any adverse action or treat less favorably or draw any inference as a result of the regulated person's decision to be represented by an attorney or advised by any other experts in their field;
 - (4) statements made by the person may be included in the inspection report; and
 - (5) they have the right to 24 hours to review and revise any written witness statements drafted by the ADEQ inspector on which the ADEQ inspector requests that person's signature.
 - If the information and documents provided to the ADEQ inspector become a public record, trade secrets and proprietary and confidential information may be redacted, unless the information and documents are not confidential pursuant to statute.
 - Each person interviewed during the inspection must be informed that statements made by the person may be included in the inspection report;
 - Each person whose conversation is recorded during the inspection must be informed that the conversation is being tape recorded;
 - If an administrative order is issued or a permit decision is made based on the results of the inspection, I have the right to appeal that administrative order or permit decision. I understand that my administrative hearing rights are set forth in Arizona Revised Statutes § 41-1092 *et seq.* and my rights relating to an appeal of a final agency decision are found in Arizona Revised Statutes § 12-901 *et seq.*;
 - If I have any questions or concerns about this inspection, I may contact the person listed as the ADEQ Follow-up Contact on the front of this form; ADEQ's Ombudsman at (602) 771-4322 (toll free inside Arizona at (800) 234-5677, extension 7714322); or the Arizona Ombudsman-Citizens' Aid office at (602) 277-7292 (toll free at (800) 872-2879);
 - If I have any questions concerning my rights to appeal an administrative order or permit decision, I may contact ADEQ's Administrative Counsel Edwin Slade at (602) 771-2242 (toll free inside Arizona at (800) 234-5677, extension 7712242).

Arizona Revised Statutes: Small Business Bill of Rights

41-1001.01. Regulatory bill of rights; small businesses

- A. To ensure fair and open regulation by state agencies, a person:
1. Is eligible for reimbursement of fees and other expenses if the person prevails by adjudication on the merits against an agency in a court proceeding regarding an agency decision as provided in section 12-348.
 2. Is eligible for reimbursement of the person's costs and fees if the person prevails against any agency in an administrative hearing as provided in section 41-1007.
 3. Is entitled to have an agency not charge the person a fee unless the fee for the specific activity is expressly authorized as provided in section 41-1008.
 4. Is entitled to receive the information and notice regarding inspections and audits prescribed in section 41-1009.
 5. May review the full text or summary of all rulemaking activity, the summary of substantive policy statements and the full text of executive orders in the register as provided in article 2 of this chapter.
 6. May participate in the rulemaking process as provided in articles 3, 4, 4.1 and 5 of this chapter, including:
 - (a) Providing written comments or testimony on proposed rules to an agency as provided in section 41-1023 and having the agency adequately address those comments as provided in section 41-1052, subsection D, including comments or testimony concerning the information contained in the economic, small business and consumer impact statement.
 - (b) Filing an early review petition with the governor's regulatory review council as provided in article 5 of this chapter.
 - (c) Providing written comments or testimony on rules to the governor's regulatory review council during the mandatory sixty-day comment period as provided in article 5 of this chapter.
 7. Is entitled to have an agency not base a licensing decision in whole or in part on licensing conditions or requirements that are not specifically authorized by statute, rule or state tribal gaming compact as provided in section 41-1030, subsection B.
 8. Is entitled to have an agency not make a rule under a specific grant of rulemaking authority that exceeds the subject matter areas listed in the specific statute or not make a rule under a general grant of rulemaking authority to supplement a more specific grant of rulemaking authority as provided in section 41-1030, subsection C.
 9. May allege that an existing agency practice or substantive policy statement constitutes a rule and have that agency practice or substantive policy statement declared void because the practice or substantive policy statement constitutes a rule as provided in section 41-1033.
 10. May file a complaint with the administrative rules oversight committee concerning:
 - (a) A rule's, practice's or substantive policy statement's lack of conformity with statute or legislative intent as provided in section 41-1047.
 - (b) An existing statute, rule, practice alleged to constitute a rule or substantive policy statement that is alleged to be duplicative or onerous as provided in section 41-1048.
 11. May have the person's administrative hearing on contested cases and appealable agency actions heard by an independent administrative law judge as provided in articles 6 and 10 of this chapter.
 12. May have administrative hearings governed by uniform administrative appeal procedures as provided in articles 6 and 10 of this chapter and may appeal a final administrative decision by filing a notice of appeal pursuant to title 12, chapter 7, article 6.
 13. May have an agency approve or deny the person's license application within a predetermined period of time as provided in article 7.1 of this chapter.
 14. Is entitled to receive written notice from an agency on denial of a license application:
 - (a) That justifies the denial with references to the statutes or rules on which the denial is based as provided in section 41-1076.
 - (b) That explains the applicant's right to appeal the denial as provided in section 41-1076.
 15. Is entitled to receive information regarding the license application process before or at the time the person obtains an application for a license as provided in sections 41-1001.02 and 41-1079.

16. May receive public notice and participate in the adoption or amendment of agreements to delegate agency functions, powers or duties to political subdivisions as provided in section 41-1026.01 and article 8 of this chapter.
 17. May inspect all rules and substantive policy statements of an agency, including a directory of documents, in the office of the agency director as provided in section 41-1091.
 18. May file a complaint with the office of the ombudsman-citizens aide to investigate administrative acts of agencies as provided in chapter 8, article 5 of this title.
 19. Unless specifically authorized by statute, may expect state agencies to avoid duplication of other laws that do not enhance regulatory clarity and to avoid dual permitting to the extent practicable as prescribed in section 41-1002.
 20. May have the person's administrative hearing on contested cases pursuant to title 23, chapter 2 or 4 heard by an independent administrative law judge as prescribed by title 23, chapter 2 or 4.
- B. The enumeration of the rights listed in subsection A of this section does not grant any additional rights that are not prescribed in the sections referenced in subsection A of this section.
- C. Each state agency that conducts audits, inspections or other regulatory enforcement actions pursuant to section 41-1009 shall create and clearly post on the agency's website a small business bill of rights. The agency shall create the small business bill of rights by selecting the applicable rights prescribed in this section and section 41-1009 and any other agency-specific statutes and rules. At the request of an authorized on-site representative of the regulated small business, the agency shall provide a written document of the small business bill of rights. In addition to the rights listed in this section and section 41-1009, the agency notice of the small business bill of rights shall include the process by which a small business may file a complaint with the agency employees who are designated to assist members of the public or regulated community pursuant to section 41-1006. The notice must provide the contact information of the agency's designated employees. The agency notice must also state that if the regulated person has already made a reasonable effort with the agency to resolve the problem and still has not been successful, the regulated person may contact the office of ombudsman-citizens aide.

ADEQ Groundwater Inspection Photo Log

Date of Inspection: May 23, 2024

Facility Information

Facility Name: January Adit (Norton Mine)

Facility Location: Patagonia, AZ 85624

Place ID: 18640

Key Inspectors

Lead Inspector: Xan McMacken

January Adit (Norton Mine) - Patagonia, AZ 85624

Place ID: 18640

Date: May 23, 2024



Photo 1

WTP2, currently not pumping, was in excellent condition.



Photo 2

View of Southeast of the TSF pond, currently separated but planned to join with the main TSF pond.



Photo 3

Close-up of the sump pump in the separate TSF pond.

January Adit (Norton Mine) - Patagonia, AZ 85624

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Photo 4

View of the separated TSF pond, with the main TSF in the background.



Photo 5

Alternate view along the edge of the separated pond.



Photo 6

Alternate view including the rest of the separated pond.

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Photo 7

View of the center of the separated pond and the TSF behind it.



Photo 8

View of pump and LCRS equipment inside the safety fence for the UCP.



Photo 9

View of the drain pipes leading into the UCP. The precipitate is lime that was used to treat the TSF.

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Photo 10

View of an inflow pipe to the UCP.



Photo 11

View along the Southeast embankment of the UCP.



Photo 12

View of the Southwest berm of the UCP.

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Photo 13

View looking East into the UCP. Minimal water can be seen at the base of the liner. The Northeast and Southwest liners were observed to be without defect.



Photo 14

View of a dry corner of the UCP, with the Northwest embankment liner observed to be without defect or damage.



Photo 15

View of one of the piezometers.

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Photo 16

View of emergency overflow conveyance channel at the North corner of the UCP.



Photo 17

Full view of the UCP facing Southeast.



Photo 18

View of the emergency conveyance channel facing Northwest. WTP1 can also be seen.

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Photo 19

View of WTP1.



Photo 20

Another view of WTP1,
currently not pumping.



Photo 21

View of creek at
OUTFALL001.

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Photo 22

Another view of the creek facing upstream.



Photo 23

View of the creek facing downstream towards the monitoring well.



Photo 24

View of the Northwest face of the TSF.

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Photo 25

Another view of the TSF North face. Some of the TSF liner can be seen in the background. The rest of the liner is covered with tailings.



Photo 26

View of OUTFALL002 from the facility along the creek near the facility entrance.



Photo 27

Another view of the outfall towards the creek.

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Photo 28

View of a seepage area before discharging to the creek.



Photo 29

Point of Compliance-2 (POC-2), Well MW-3, South32-Hermosa Project: Facing North-West
Well casing intact.



Photo 30

Point of Compliance-2 (POC-2), Well MW-3, South32-Hermosa Project: Facing South-East
Well casing intact.