

Pride of the West Building Initial Inventory

5/11/2021 10:00 a.m. to 12:00 p.m.

Prepared by:

Kirstin Brown and Stephanie Mitchell
Colorado Division of Reclamation, Mining and Safety

10:00 a.m. – Pride of the West Mill

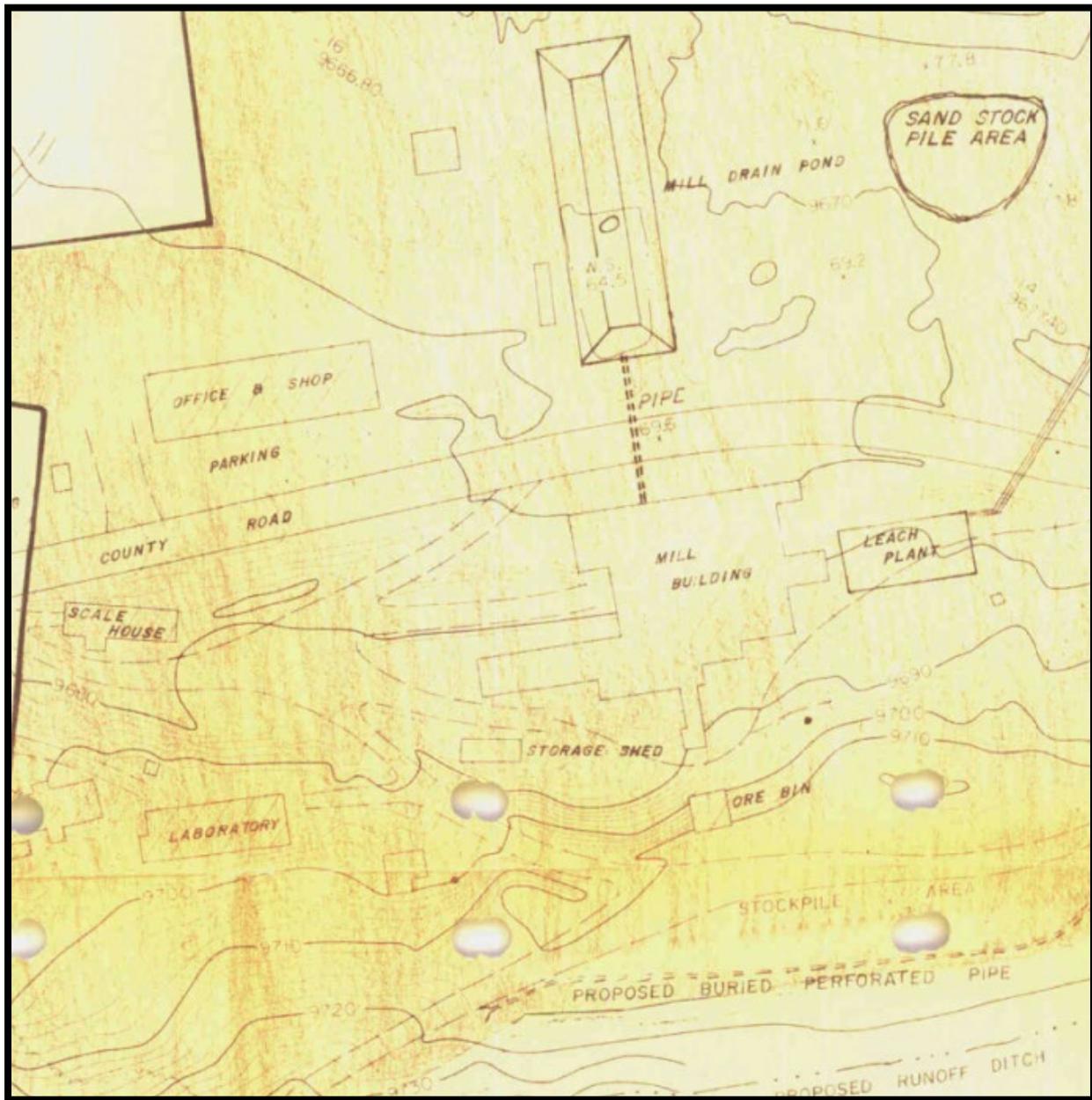
Tara Tafi (Senior Reclamation Specialist, CODRMS), Bruce Conrad (San Juan County Sherriff), Stephanie Mitchell (Reclamation Specialist, CODRMS), and Kirstin Brown (Reclamation Specialist, CODRMS) met on site to inventory the Pride of the West Mill buildings.

1. The **Mill Building** was inventoried and is the largest of the all the buildings on site. The building contains conveyors, crushing facilities, and flotation milling machinery spread across 3 different levels, below ground, flotation level, and the upper reagent storage level. Insulation on the walls and roof of this building are deteriorating and falling to the floor. Walking inside the building causes the fallen insulation particles to become entrained in the air. The mill is housing different forms of cyanide barrels, oil barrels, and other bagged chemicals primarily on the upper reagent level. Many barrels in this building are marked corrosive and some are leaking. Many barrels are covered with tarps that were not lifted or inspected. Almost every barrel in this facility lacks secondary containment. The lowest level of this building is below ground and filled with water and ice along with several barrels that were not inspected. Barrels were observed to be leaking from the upper reagent level all the way through to the below ground, water-filled level.
2. The **Leach Plant** was inventoried and contains more than 10 barrels of cyanide type materials and other bags of chemicals. Some barrels in the leach plant are dated 2003.
3. The **Laboratory** is housing smaller amounts of chemicals in glass jars. The laboratory was inventoried from the outside only via a broken glass window and other intact glass windows. This building is open to the public because of the broken windows. The remainder of the building should be inspected for additional chemicals, especially on the southern side of the building where there are ventilation outlet pipes that could be related to some other chemical processes.
4. The **Office and Shop** building was not inventoried. The northern part of the office building has garage doors on it and may contain additional chemicals or oil.
5. The residential **House** was not inventoried on the inside, but it is possible to see inside the windows. The house appears to have been used as on site lodging. There is a gas can visible through the glass windows on a table.
6. The **Ore Bin** was inventoried from the outside from the top of the ore stockpile. The lower portions of the bin can be inventoried from inside the mill building. The bin structure contains ore rock.
7. The **Quonset structure** on site is being used to store Maisel Excavation property and was not inventoried.
8. The **Historic building** towards the river from the office and shop was inventoried and is empty and is starting to collapse.
9. The **Scale House** below the laboratory was used to weigh trucks, with a small attached office. It is possible to look into the office through the glass window and see that there is very little inside.

A list of hazardous materials found on site was documented by Stephanie Mitchell and Tara Tafi during the inspection. The list does not represent the exact amount or type of hazardous materials on site, because the inventory was limited to the short time window during which the inspection occurred and many chemicals were not labeled.

Sherriff Bruce Conrad left the site around 12:00. CODRMS provided the Sherriff with a B10 master key, so San Juan County has access to the Mill Building, if necessary for safety reasons. A B10 keyed lock was installed on the conveyor incline door (with no door handle) on the east side of Mill Building. A different, non-master keyed lock was installed on the Leach Plant because the state master lock hasp was too large to fit through the lock housing. Kirstin Brown has the keys to the Leach Plant door on the southeast side of the building.

Building Names from the Permit File



Pride of the West Buildings



Quonset

Historic

Leach Plant

Mill

Office / Shop

Ore Bin

Scale House

Laboratory

House

Legend

 buildings

0 50 100 200 300 400 Feet

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR/Airphoto, USDA, USGS, AeroGRID, IGN, and the GIS User Community

List of Chemicals On-Site
Amendment to Application – Permit File DRMS
January 27, 2012

15. List any designated chemicals or acid-producing materials to be used or stored within permit area:

Chemical	Toxic	Acidic	Maximum On site quantity	Comments
Aero 404			4 bbl	
Aerofloat 208			4 bbl	
Aerofloat 238			4 bbl	
Aerofloat 242	yes		2 bbl	
Aerofloat 3477			4 bbl	
Aerophine 3418A			4 bbl	
Aero thiocarbanalide 130				no longer manufactured
Thiocarbanalide			1000 lb	Diphenylthiourea
Aero xanthate 325			2 bbl	Sodium ethyl xanthate
Aeroxanthate 350			2 bbl	Potassium amyl xanthate
Z-3 (Xanthate)			2.5 bbl	obsolete use or destroy
Z-6 (Xanthate)			2 bbl	obsolete use or destroy
Z-11 (xanthate)			1 bbl	obsolete use or destroy
Terpinol			4 bbl	aka pine oil
MIBC			4 bbl	aka methyl amyl alcohol
Copper Sulfate (CuSO4)	yes		2000 lb	
Zinc sulfate (ZnSO4)			5000 lb	
Hydrated lime (CaOH2)			20000 lb	
Soa Ash (Na2CO3)			8000 lb	
Sodium Hydroxide (NaOH)	yes		1000 lb	
Silica sand (SiO2)			5000 lb	
Sodium Sulfite (Na2SO3)			1000 lb	
Sodium sulfide (Na2S)			5 bbl	
Sodium Cyanide	yes		5000 lb	Reagent deck mill
Sodium Cyanide	yes		5000 lb	Leach plant
Sodium silicate			5 bbl	
Sodium Nitrate (NaNO3)			250 lbs	Nitre -refinery
Ore Prep 549			1 bbl	specialty frother
Ore Prep F-501			1 bbl	specialty frother
Hydrogen Peroxide (H2O2)				
Activated Carbon			4000 lb	

List of Chemicals On-Site
Amendment to Application – Permit File DRMS
January 27, 2012
(Continued)

Obsolete- no longer manufactured- or not used

Nalco 7878		1 bbl	disposal
Crecylic Acid	yes	1 bbl	obsolete frother
Aerofloat (/)			to be identified
Aerofloat 211		8 bbl	obsolete collector
Dowfroth 250		2/3 bbl	obsolete frother
Aerofloat 31		1 bbl	obsolete collector
Sodium Dichromate	yes	6 bags	to be disposed
Trichloro NP4	yes	1 bbl	to be disposed
Superfloc 127			flocculant- may be used at
Superfloc 990		15 bags	future time
Unidentified		4.5 bbls	to be identified and either used or disposed. Believed tube frothers and collectors

Pride of the West Mill (M-1984-049)
HAZARDOUS MATERIALS ASSESSMENT 5/11/2021

MATERIAL TYPE	QUANTITY	CONDITION/COMMENTS
South of Mill Building (outside)		
Barrels /Drums	20 -55 gal Barrels/Drums	4 barrels with tailings Some empty, some filled with trash
East side of Mill Building (outside)		
Fuel Tanks	3	Not leaking
Mill Building		
White Tank- plastic	1	Appears empty- 1000 gallons?
Fire Extinguisher	1	
Oil Cans	3	Hydraulic, used motor oil, misc. used oil, etc...
Transformer	1	Box transformer
Barrels/Drums	7	Activated Carbon? Black grains
Cyanide Barrels	3	Unknown if full
Possible Asbestos Door east side of mill building	1	Flaking off
Shop Space in Mill Building		
Possible Asbestos Ceiling tiles	50+	Office area
Auto Transmission Fluid	8	55 gallon drums
gallons of paint	many	Closed, partially full
Gear Oil	8	Closed, partially full
Soda Ash	1	
White Powder- unknown	4	Bags ripped open, exposed and blown around building
Rust Penetrant	2	Partially full
Various Lubricants	many	
Sulfate Monohydrate	70	50# bags
Mill Building #1- Upper Reagent Level		
Cynamid	6	Full, partial full
Caustic Soda Beads	15	Full bags
Cyanogram Sodium Cyanide	30 +	55 gal drums
Sodium Cyanide	4	55 gal Drums/Barrels
Various Antifreeze & coolant	many	Partially full, full
Paint Cans	many	Full and partially full
East Side of Mill Building (outside)		
Transformers	3	
Tank	1	Unknown
Leach Plant		
Unidentified Blue Material	1	bucket
Hydrogen Peroxide	1	Barrel
Copper Sulfate	12	Bags
Activated Carbon	7	Barrels-full
Cyanogram Sodium Cyanide	10 +	55 gal drums- full
Coconut Shells	14	Barrels- full and partially full