



Mining and Metallurgical Society of America

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"Legacy Abandoned Mine Lands - Progress and Plans"

April 19, 2021

Zoom Virtual - Legacy AML Panel Discussions.

Panel Discussion Presenters

Perpetua Resources (formally Midas Gold). Critical Resources; Responsible Mining; Environmental Restoration; Administrative Settlement Agreement and Order on Consent (ASAOC). Providing a summary of their recently negotiated process with EPA;
Presenters: Austin Zinsser, Laurel Sayer, Michael Bogert

Trout Unlimited - 2020 update and 2021 Outlook from a Good Sam Perspective;
Presenter: Jason Willis, P.E. TU-CO AML Program Manager.

The Nature Conservancy – Mining the Sun. Providing discussions regarding identified Nevada Legacy sites for possible renewable energy deployments;
Presenter: Jaina Moan

New Technology: Using Spent Brewery Grain to Suppress Acid Rock Drainage from Historic Tailings
Presenters: James Gusek, Tahne Corcutt (B2C), and Lee Josselyn

Closing questions and discussion.

Chat

From Art Ibrado to All panelists : "PRP" meaning?

From Ann Carpenter to All panelists : PRP ... Potential Responsible Party

From Jaina Moan to Everyone : Mining the Sun map tool:

<https://tnc.maps.arcgis.com/apps/webappviewer/index.html?id=43dca1562b00488c87ce6478d7cb0bf3>

From Vance Frame to Everyone : Jania, would love to speak with you, I work for ADEQ and we are collaborating with industry and the AZ Mining Association in regards to AML remediations. Vance-480.229.0018, I have to jump to another meeting.

From Jaina Moan to Everyone : Thanks Vance. I will give you a call this week.

From Laura Skaer to All panelists : Will the Powerpoints be available?

From Tom Crafford to All panelists : Thanks to all of the organizers!!

Questions

Viktor Raykin - How do you ensure that the legacy from the previous operators is fully documented to reduce your potential liabilities? Including land disturbance, ARD, WQ, other? Even if you relocate the overburden disposal area from the direct contact with the stream there is still a potential for ARD? Have you done any ARD assessment? How is it being addressed?

Tom Crafford - Will there be metal recovery from the mine wastes as part of the clean-up?

Ben Mundie - Are any of the waste dumps economically viable for processing?

Tom Crafford - Has the Historic Preservation Act been an issue at all?

Thomas Calhoun - Has the snow at Waldorf melted enough to tell whether soil application has held up?

Tom Crafford - Really interesting work. What's the URL for accessing the map tool?

Matt Behling - Is there an opportunity for The Nature Conservancy or various municipalities within the State of Nevada to make use of the funds coming to the State through the American Rescue Plan Act to implement some of these renewable projects that may otherwise be economically challenging?

Tom Crafford - FYI. The Greens Creek Au-Ag-Zn-Pb Mine near Juneau, AK experimented with using spent brewery waste as an amendment to their dry stack tailings disposal circa 2007-2011. Not sure about results. Now that I think about it, I seem to recall that they did a paper on this. I'll see if I can find out more. We included SGB at the site I just discussed in the Southeast USA.