

Francesca Ziemba

Please require Copper World to get a more stringent Class I Air Quality Permit.

Hudbay's current plan will produce significant, toxic air pollution that will negatively impact human health and the environment for its entire 44-year lifespan and long after. Here are a few facts for consideration as ADEQ adjudicates the permit:

1. Copper World, by its own admission, will produce miniscule toxic particulates less than 2.5 micrometers in diameter. In its own proposal, Hudbay says it will monitor and suppress these toxic particulates that might drift into Green Valley and Corona de Tucson. The area of consideration includes, for example, Copper Ridge Elementary (400 students and 50 staff), which is only 1 ¼ miles from the proposed tailings piles.

Recent scientific studies show that there is no safe threshold for humans breathing in these particulates. Smaller, more difficult to control particles may actually be more dangerous because they can be inhaled more deeply into the lungs. Adverse health effects include:

- Toxic effects from absorption of lead particulates into blood
- Toxic effects from absorption of zinc and other heavy metals
- Harmful respiratory effects, including aggravation of asthma. Risks are highest for the elderly and young children.

Source: "Economic Impact of the Copper World Economic Impact of the Copper World/Rosemont Mine Complex," June 2024, by Power Consulting. Available on the Save the Scenic Santa Ritas website at <https://www.copperworldeconomics.com>

2. The proposed mine and its related air pollution will destroy sensitive habitat in the northern Santa Rita Mountains, effectively eliminating the well-documented, periodic appearances of jaguars, an extremely rare and endangered species. The mine will also adversely affect mountain lion, bobcat, black bear, coati, ringtail, and other unique wildlife populations due to toxic dust, emissions, noise, blasting, and nighttime light. These animals' sense of smell is documented at hundreds or even thousands of times more powerful than a human's.

Sources: "Lack of a biological assessment as required in the governing legislation" in formal comments on the Draft Aquifer Protection Permit No. P-513690 (APP) for the Copper World Project in Arizona (ADEQ, 2024) and the APP application submitted by Save the Scenic Santa Ritas (SSSR) and the 13 other organizations and Tribal Nations on April 10, 2024: referencing material submitted by Chambers, Lacher, Maest, Hart, Headley, and Pima County.

Please, PLEASE impose common sense air quality requirements on Copper World. Please take into consideration the need to prevent lasting harm to the human beings living around the proposed mine and the fragility of our irreplaceable Santa Rita mountain environment. Thank you.