

REX CHRISTOPHER PLUMMER
99 LOUEE STREET,
RYLSTONE, NSW 2849

The Director,
Resource Assessments,
Planning and Assessment,
DPIE,
Locked Bag 5022,
Parramatta,
NSW 2124

Dear Sir,

APPLICATION NAME: BOWDENS SILVER MINE AMENDMENT
APPLICATION NUMBER: SSD5765
DUST AND ITS DISTRIBUTION

I **object** to this proposal (SSD 5765).

I declare that I **have not made any Donations or Gifts** to any political party or personnel in the last two years.

Firstly, the Ramboll modelling of fine particulates distribution seems massively flawed. For a person not dealing with the technical modelling software that such commercial businesses use daily the public, such as myself, have limited recourse to comment. Some things have a whiff about them, though.

So let me make a couple of observations which should require Bowden's recalculation and resubmission at the very least.

Dust from the mine appears from the Ramboll diagrams to be not affected by wind. That alone is a joke. The dominant westerlies would send vast plumes to the east and south east of the proposed mine site. Nothing like that is shown. The dust distribution looks as if it is modelled for a dead still day; almost concentric circles with a wiggle or two to account for topography. It is deeply suspicious; and I have commented of the unreliable weather data elsewhere.

This is why Bowdens weather modelling is so wrong and so self-serving that DPIE should reject the data and the model.

PM10 one expects to not travel as far as PM2.5. But Bowdens shows PM2.5 having extremely limited distribution. If PM2.5 in the form of smoke from recent bushfires was shown from space to have ringed the globe, why does Bowdens PM2.5 barely get to the property boundary. Ramboll is pulling the other one; I'd like to see their fee structure!

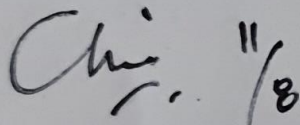
Bowdens have further chosen to suit their objective by 'limiting' dust movement by showing the source of dust as the big pit. That is wrong, TSP is generated across the whole site; that being the case even with the current Ramboll model the first deposition contours would be pushed a couple of kilometres beyond where they currently are. Bowdens impact is then not such a benign impact on the Lue landscape.

PM2.5 is dangerous to mammalian (including human) health. DPIE needs to take it as seriously as NSW Health.

As a post script I should say that Bowdens defence will be that they will wet all the dust-generating areas. Zero humidity, middle of summer, 40 degrees and a north wind....no chance!

Unless Bowdens corrects its observations and modelling to be realistic and objective DPIE must reject the proposal in full.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Chi' followed by a stylized '1/8'.

R C Plummer