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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
BACKGROUND STUDIES: WIND

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.

Bowdens has put forward data in the EIS about wind at the proposed mine site. Their survey and modelling produced a map, only one, which showed wind at the mine site going backwards.

Bowdens reliance on two temporary weather stations called Met 1 and Met 2 has meant that some of the data is totally wrong. Bowdens even point out Met 1 and Met 2 produce different data, yet they are a mere 2 km apart. With vanes and anemometers virtually at ground level they are **not** reading REGIONAL WIND DIRECTION AND VELOCITY. These two stations will measure microclimates (vortices and eddies influenced by the ground and local features so can by their nature can be 180 degrees to the regional wind.)

Bowdens wind data and modelling needs to be seen as it is...unreliable.

All residents of the central tablelands know that wind can come from anywhere but it is predominantly from the west and north west and that those sectors show most strength.

Bowdens anemometers being close to the ground also get very low velocities in their readings. This helps greatly for Bowdens because the analysis of mine dust distribution show it hardly move from the site! It is a very convenient but incorrect outcome.

Bowdens attempts to explain wind direction's influences as topography etc; it is just a furphy. The wind blowing across the REGION may have a bit of a kick around a valley or hill, some site may have increased velocity some sheltered, but generally it is going as a mass from west to east. This is what is important particularly for distribution of dust and gas produced by a toxic industry.

Bowdens wind studies (observations and modelling) should be rejected by DPIE and resubmitted in a reliable form.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Chris" followed by a stylized symbol that looks like a vertical line with a horizontal bar at the top, possibly representing a date or initials.

R C Plummer