

Notes on email correspondence between Michelle Team of LF-BJMB and Repair Lab team member, March 3, 2024.

“Regarding your question:

- *What is the effectiveness of your domes (% decrease in fugitive dust)?* Do you need the structure of domes? And it is used in docks with relatively high wind speeds. When the stored goods are relatively dry, the general requirement is that the dust prevention rate is 99.5%. However, the effects vary according to different stored goods, dust concentration and allowable particle diameter.
- *Do you have modeling and/or monitoring research that shows the effectiveness or rate of dust reduction? Or do you have clients who have done monitoring?* Yes we will build some models and conduct some experimental data.
- *What is the range of cost for your projects covering coal piles? I understand this varies widely, but an estimate or range would be very helpful.* You can refer to the price per square meter: 330-370 US dollars, projected area.”

Notes on email from Michelle Team on March 5, 2024

- “99.5% is required when fully enclosed. This is a relatively ideal value and is related to design and construction. Over time, due to the aging of the roof seal, the dust-proof effect may be only 75%-85%.
- Consulting fees are required for models and related information. Generally it is 3% of the building construction cost. After payment we can share more information about you.
- If you have a terrain map, the stacked items cannot be infinitely high. There is a certain ratio between the height and the diameter of the base. And the location of the internal reclaimer and trestle also needs to be taken into consideration to determine the final design. You can give us some guidance such as what the diameter of the bottom can be, so that we can help you analyze the height.”