

Business Item 2021-89: Metro Lime Kiln Dust, Contract 20P299

Joe Ward, Principal Engineer

Environment Committee: April 13, 2021



What is Lime Kiln Dust?

- Byproduct created when manufacturing Quicklime
- When limestone is naturally heated, it produces gas with dust.
- The dust that is screened out is called Lime Kiln Dust (LKD).
- LKD, has little beneficial use, and is mostly disposed of into landfills.

What is Lime Kiln Dust Used For?

- When Metro's incinerators are down, sludge (alkaline) loadout is sometimes necessary
- Sludge (biosolids) are hauled to a landfill for disposal during these periods
- For landfill disposal, pH of biosolids must be increased to 12 for 2 hours to meet class B treatment standards



Alkaline Loadout Process



Alkaline Loadout Process



Alkaline Loadout Process



Alkaline Loadout Process



METROPOLITAN
COUNCIL

Background

- Invitation for Bids – January 4, 2021
- Pre-bid meeting – January 19, 2021
- 2 plan holders
- Public bid opening – February 4, 2021
- One responsive bid from Omni Materials, Inc.
 - Adequate Competition Determination (ACD) was completed

Background

- 4-year contract not to exceed \$1,476,000
 - First two years of the contract \$86.00/ton
 - Second two years of the contract \$88.00/ton
- Office of Equal Opportunity did not set a Metropolitan Council Underutilized Business (MCUB) goal due to very specialized goods and lack of disadvantaged business enterprise (DBE) availability

Proposed Action

- That the Metropolitan Council authorizes the Regional Administrator to award and execute a contract to Omni Materials Inc. for lime kiln dust delivered to the Metropolitan Wastewater Treatment Plant. This contract will be for a period of four years with a total procurement not to exceed \$1,476,000.

Questions

Joe Ward

Principal Engineer

651-602-8302

joseph.ward@metc.state.mn.us

