

Fact Sheet for Gravel Pit/Batch Plant on CLP school children

- The proposed Laporte site is approximately 3500ft from the site of the mining, a little further from the proposed batch plant site
- Mining will last from 10-12 years
- The operation will be active 6 days a week year round, resulting in an active operation every school day for the next 10+ years
- For comparison, the Loveland Ready Mix operation in Loveland is also close to an elementary school, but there are some key differences:
 - The Laporte site would affect 2 schools (CLP elementary, and CLP middle school) the Loveland site only affects one (Namaqua elementary). Because of this more children will be affected in Laporte for a longer period of time
 - The combined attendance of the CLP schools is 2.5x that of Namaqua elementary
 - A child who attends both CLPE and CLPMS will be exposed for 9yrs, compared to a child who attends Namaqua for a maximum of 6yrs.
 - Namaqua elementary school in Loveland has air conditioning, allowing children to be inside without open window for part of the school year, reducing their exposure. The CLP schools do not have air conditioning or air purification capabilities.
 - The LRM mining operation would be one of multiple emission sources within 2 miles of the CLP schools, while the LRM operation in Loveland is the only one in the near vicinity of Namaqua elementary school
- Children are more susceptible to respiratory distress due to air particulate exposure
 - They have smaller airways and a faster respiratory rate
 - They spend more time outdoors, and are generally more active
 - Studies* have shown that children experiencing even moderate exposure to a nearby cement plant experience increased risk of respiratory distress
 - The maximum tolerable limit determined for onsite workers needs to be divided by 1.75 to come up with a tolerable exposure limit for nearby children, and further divided by 10 to come up with a tolerable limit allowable for children with asthma or other respiratory diseases. Will the level experienced at the CLP schools exceed this amount?
WE DON'T KNOW
- There are 5 other sources of particulate emissions within a 2 mile radius of the school already. What is the cumulative effect of all of these sources on the school? **WE DON'T KNOW**

- The gravel pit and batch plant will be a significant source of constant noise**
 - LRM proposes an initial 9 month period of “construction level noise”, with sporadically reoccurring construction level noise periods over the next 10 years
 - The perceived loudness caused by the operation will be almost 2 -8 times the current ambient volumes
 - What will the experienced noise levels be like at the CLP schools? **WE DON'T KNOW**
 - Environmental noise has been proven to be associated with mental health problems in children, such as emotional symptoms, conduct problems and hyperactivity***

- There will be an estimated total of 366 trucks coming and going from the proposed site onto 54G every school day
 - Trucks are supposed to only head east, avoiding the town of Laporte and CLP school areas, but there will be little to no oversight for this
 - Many parents commute to the schools via westbound 54G, and the peak hours for truck traffic at the site will likely coincide with morning drop-off times for the school(s)
 - There is the potential for Loveland Ready Mix to explore a direct access to 287 instead, allowing them to avoid 54G all together, but they have not explored this possibility

- There could be significant effects on enrollment and future success of the schools
 - Multiple CLP parents spoke up at the Planning Commission hearing on Aug. 15 and 18, 2018 to state that if the Knox Pit application was approved they would be choosing out of CLP
 - Drops in enrollment, will result in decreased budgets for the schools
 - This effect could then easily snowball: A small but significant group of students leave CLP due to the perceived threat(s) of the gravel operation(s). This leads to decreased budgets at the schools, which leads to necessary cuts in staffing and/or materials, which leads to larger class size and a diminished learning environment at the schools, which leads to greater decreases in enrollment, which leads to further cuts to the budget, etc., etc
 - This snowball is a recipe for disparity, as, for the most part, only those families with high socio-economic resources have the ability to choice into non-neighborhood schools

- WHAT CAN YOU DO?
 - Time is of the essence, the Board of County Commissioners Hearing will begin 9/24. All comments/correspondence must be received within the next week!
 - SHOW UP AT THE HEARING

- The County Commissioners Hearing will take place on 9/24 at 6:30pm at 200 W. Oak St. in the Hearing Room. Anyone can sign up to speak and give state their concerns with this application. The more people who show up to speak, the greater the chance of the commissioners listening to our concerns regarding the potential effects on our schools.
 - It is likely the hearing will need to take place over 2 sessions. If you can't attend the first session, please plan on attending the next session, date and time: to be determined.
- Email the county commissioners. Address any emails to: bocc@larimer.org, helmicrp@larimer.co.us, helmicrp@larimer.co.us, johnsosw@co.larimer.co.us, donnelt@co.larimer.co.us and ask that your email/letter be included with the 17-ZONE2113 file
- Email the Poudre School District Board of Education. Inform them of the concerns you have with this application, and urge them to take a stand, at the very least demanding more information regarding the effects on our school children before this application can get approved. boe@psdschools.org
- Tell other parents. Get the word out to fellow CLP parents, and encourage them to attend the hearing and/or send emails to the County Commissioners and Poudre School Board.
- For more information see: www.NoLapoteGravel.org or www.facebook.com/NoLapoteGravel



Area map demonstrating the multiple emissions sources in within 2 miles of CLP schools

* Bertoldi M, Borgini A, Tittarelli A, et al. Health effects for the population living near a cement plant: An epidemiological assessment. *Environment International* 2012;41:1-7

**Havis Engineering (2018) Loveland Ready Mix (LRM) –Knox Pit Noise Impacts

***Dreger S, Meyer N, Fromme H, et al. Environmental noise and incident mental health problems: A prospective cohort study among school children in Germany. *Environmental Res* 2015;143:49-54.