



MIRANT®

Introducing STAR™ at Mirant in Charles County

What is STAR™?

- **Staged Turbulent Air Reactor or STAR™ is a thermal process where carbon is removed out of coal ash through a self-sustaining combustion process.**
- **STAR™ is capable of processing 100% of Morgantown and Chalk Point electric generating stations' coal ash (396,000 tpy).**
- **STAR™ produces high quality, low carbon (less than 4% carbon content) material sold directly to ready-mix concrete industry – direct substitute for Portland cement.**



Why STAR™?

- Beneficial reuse of coal ash with no waste stream left for landfill disposal.
- Replacing Portland cement with STAR™ processed coal ash provides a 3 to 1 reduction in carbon dioxide (CO₂) emissions.
- No new water appropriation or discharge; recycling and reuse of Morgantown support facilities (e.g. RO water system, wastewater treatment plant, SO₂ FGD reagent prep, etc.).
- Reduction in overall coal ash haul truck miles traveled. 37 additional trucks/ day from Morgantown station.
- Creates jobs - approximately 3 to 5 full time operators of facility; hundreds of construction related jobs; and new trucking services required.

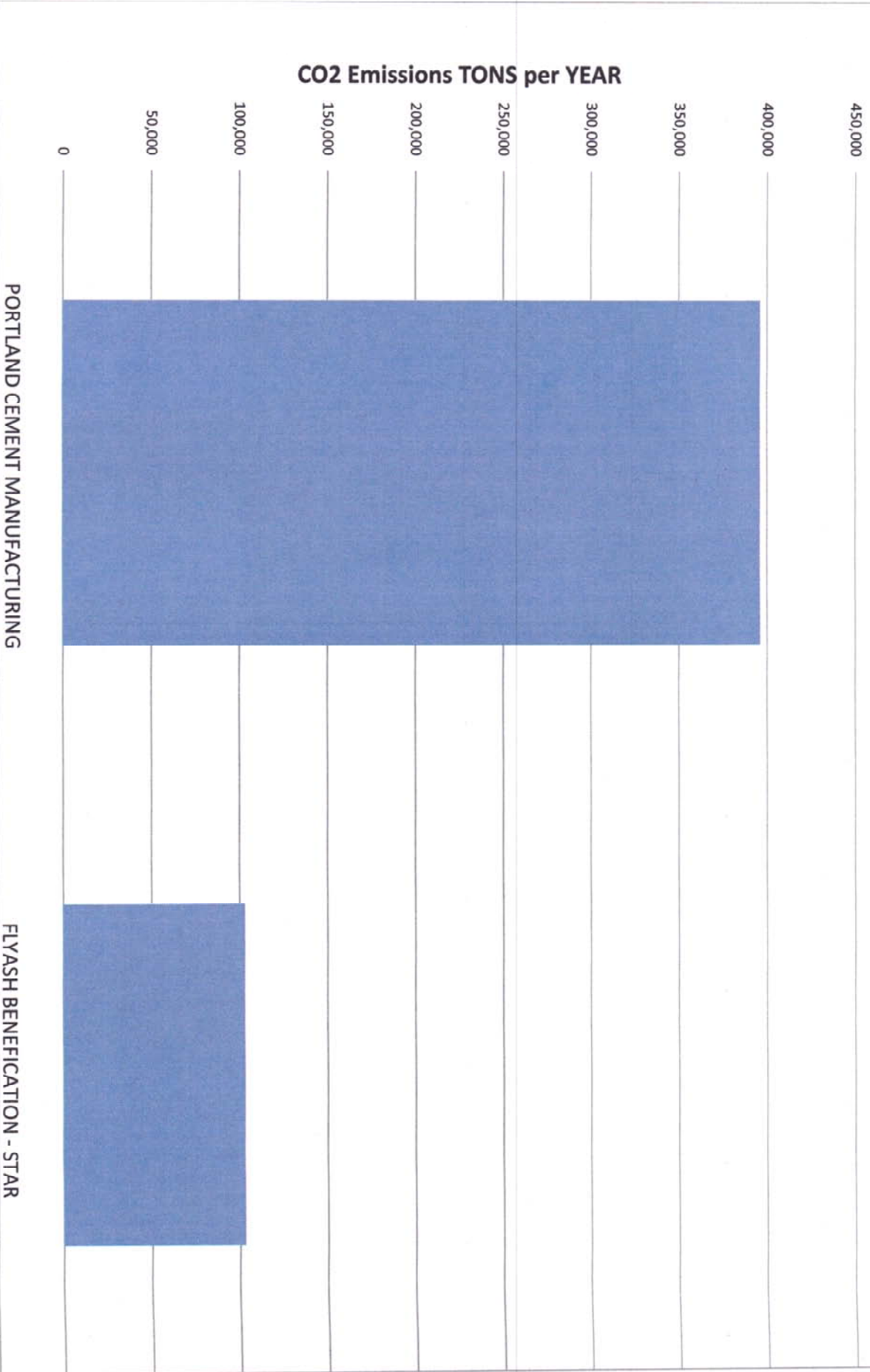


40/day
80/per day
roundtrip
M-F
8-5

Where is STAR™?

- Tens of millions of dollars invested in Charles County located at Mirant's Morgantown generating station.
- Operated and managed by The SEFA Group, a company specializing in marketing coal ash utilization throughout the construction industry.
- Coal ash pneumatically conveyed to and from process silos, storage domes, and trucks.


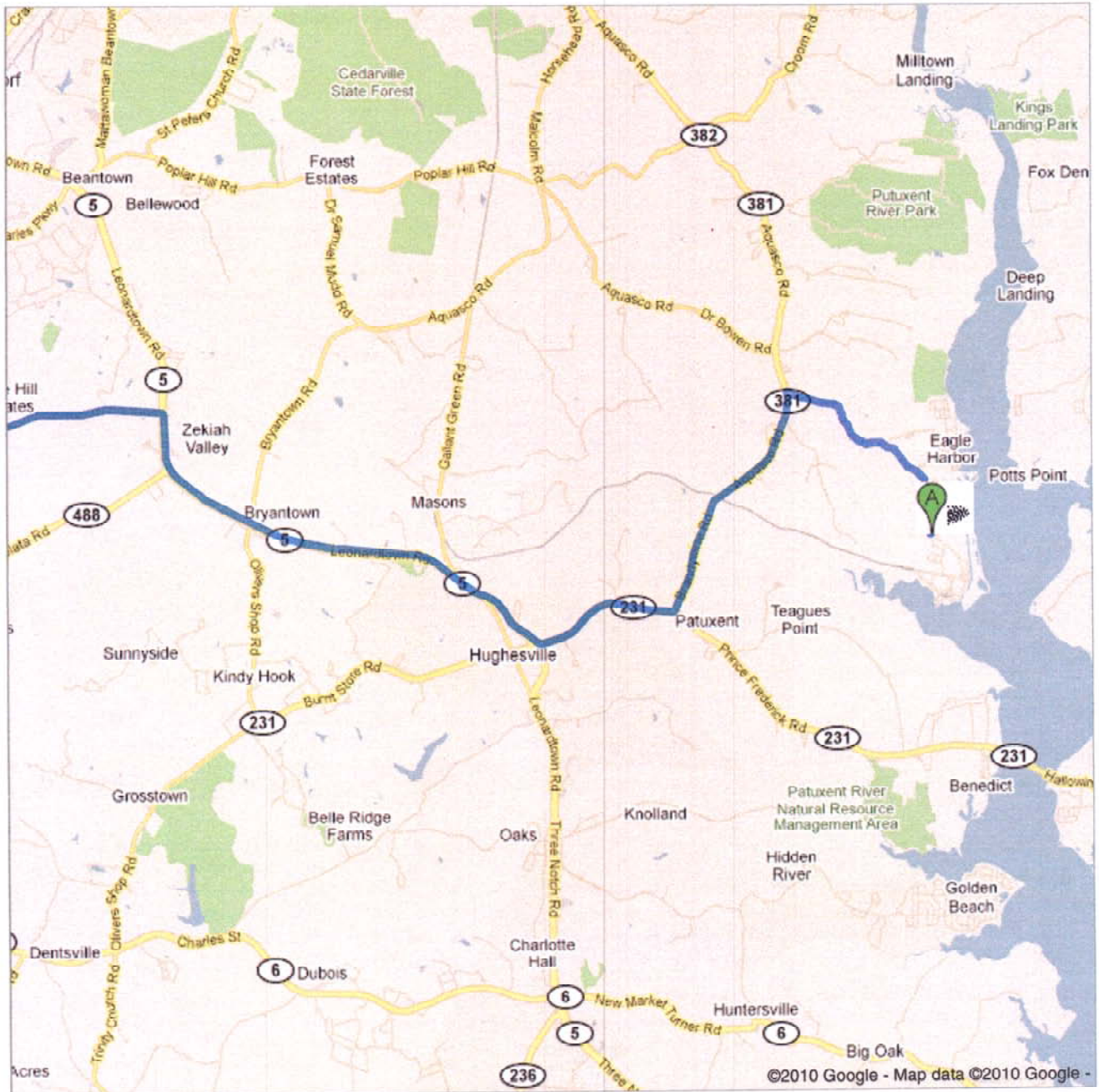
CO2 Emissions Portland Cement Manufacturing vs. Flyash Beneficiation - STAR





Directions to Crain Hwy/US-301 S
36.2 mi – about 1 hour 3 mins


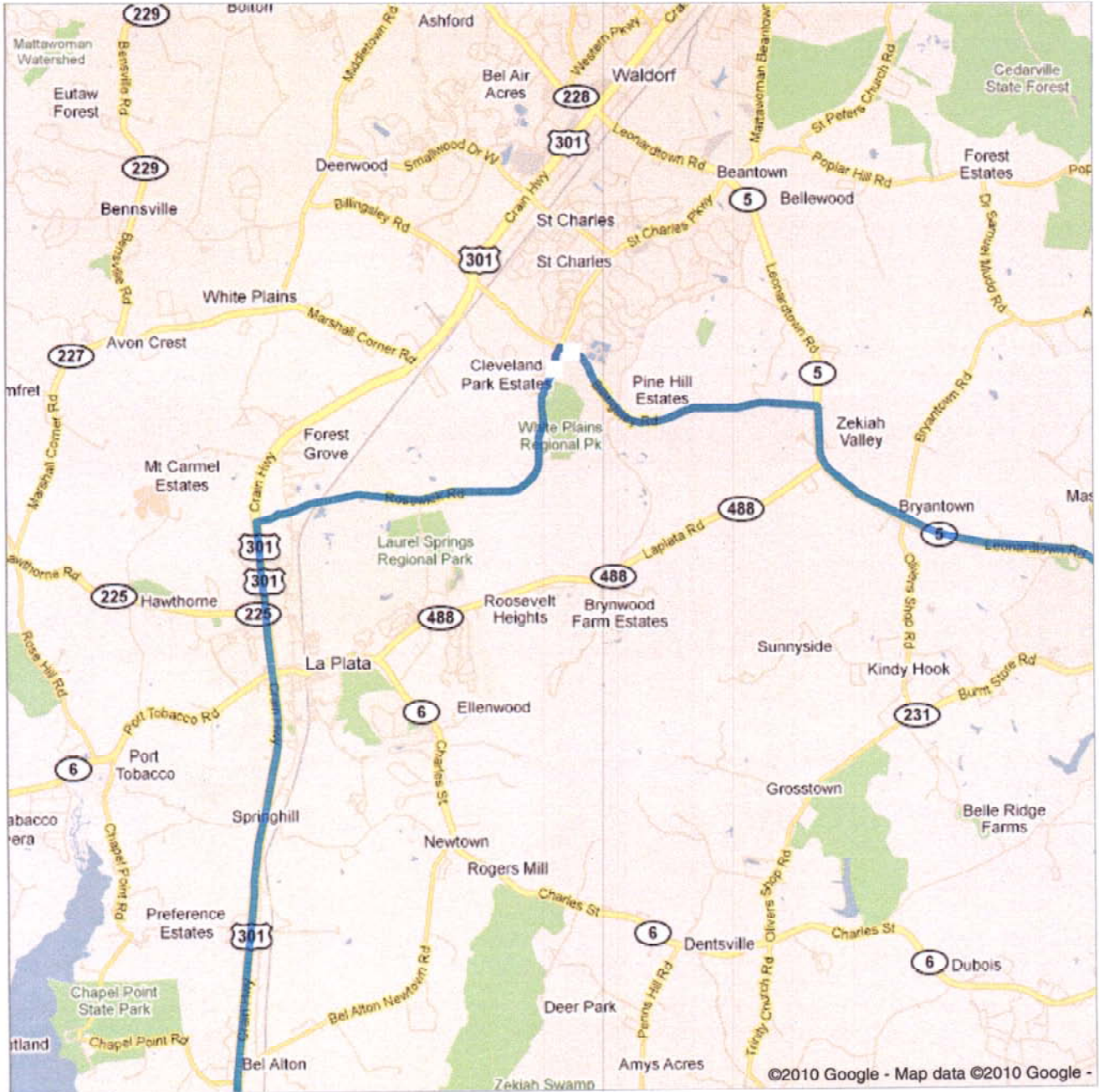
Save trees. Go green!
 Download Google Maps on your phone at google.com/gmm



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PROPOSED HAUL ROUTE (MIRANT CCB RECYCLING FACILITY)

Head northwest on Chalk Point Rd

Continue onto Eagle Harbor Rd/Necks Rd

Turn left at Aquasco Rd/MD-381 S

Continue to follow MD-381 S

Turn right at MD-231 W/Prince Frederick Rd

Slight right to merge onto Leonardtown Rd/MD-5 N

Slight left at Billingsley Rd

Turn left at St Charles Pkwy

Continue onto Rosewick Rd

Turn left at Crain Hwy/US-301 S