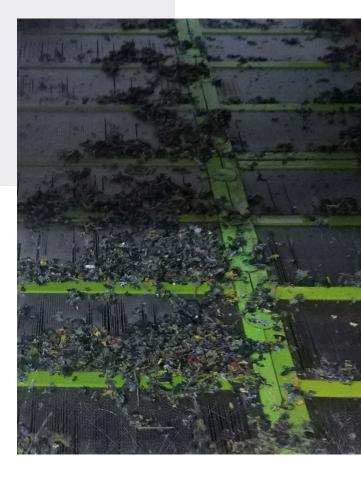


- Increased downtime for cleaning screens manually.
- Poor dewatering reducing throughput and increasing energy consumption.
- Need for secondary screen.

## **OPERATING CONDITIONS**

- Feed:
  - ~75% feed rate of 225 MTPH
- Specific Gravity of solids in feed: 2.8.
- Feed Rate:
   650 cubic meters per hour of slurry
- At full flow the total slurry to dewater: 171,730 GPH (2862.1 GPM)





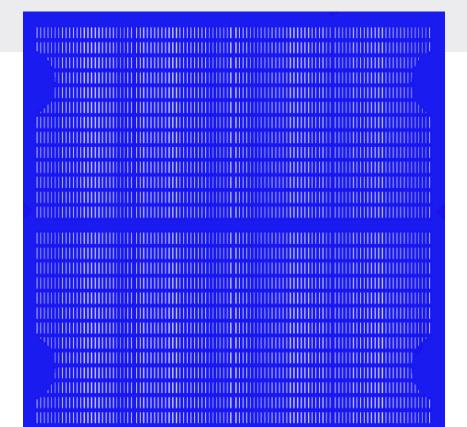


## SOLUTION

Polydeck screening experts John Griffith and Perry Miller visited the plant several times examining the issues and gathering data to formulate a solution.

- Two custom screen panel designs were commissioned to specifically address these issues.
- The new Polydex® 1' x 1' slotted screen panels were installed in rows 1-4.
- The new Polydex® 1' x 1' VR screen panels were installed in rows 5-6.
- Competitor panels were left installed on the remaining 6 rows of the screen for comparison.







## RESULTS

After 3 months of testing, Polydex® panels:

- Exhibited excellent dewatering results with little water proceeding past the last row of Polydeck panels.
- Effectively resisted blinding reducing the amount of screening time and labor lost cleaning the panels.
- Increased throughput by 32%
- Increased drain rate (GPM) by more than 2.5X
- Doubled capacity of the screen



Increased drainage with
Polydeck panels has allowed
the bypass of the secondary
trash screen. This provides
savings in maintenance
time, energy consumption,
and process water. This is a
critical path for our operations.
Polydeck has provided
excellent customer service and
has worked closely with us to
solve our screening issues.

## **Nick Muskovac**

Metallurgical Technician
Tahoe Resources









