



RPM SOLUTIONS

- ❖ RPM Solutions is a reclamation, ash management, and environmental services company using proprietary equipment technology and refined operating skills to provide an innovative approach to reclamation and sediment pond management.



RPM Solutions offers turn-key site reclamation, periodic maintenance, and sediment management plans to reduce environmental impact and eliminate unnecessary costs. At RPM we are motivated to provide our Customers with cutting edge technologies to solve some of the most pressing issues confronting them today. We design customized solutions for each and every job and are driven by scripted environmental standards for pond management and reclamation.

❖ Our Reclamation Process

- The RPM Solution is a 4 stage process including Collection, Screening, Sizing, and dewatering.
 - 1) Collection
 - Compiling the raw contaminated material by using excavator mounted dredge pumps
 - 2) Screening/ Optional Sizing
 - Using mobile screening equipment and conveyors we size the raw material into 3 different products
 - 1/8" x 0": Cement fines
 - 1/8" x 2": Aggregate that can be sized and washed for reuse.
 - > 2": Oversized waste material
 - 3) Sizing/Washing (Optional)
 - Using separation technology, we separate the 1/4" x 2" material into 2 piles; useable fine and coarse aggregate material
 - 4) Dewatering
 - Cement fines will be process through our filter press system resulting in an easily handled "cake".

❖ Ash Dewatering Filter Press Technology

- We have partnered with Matec America and Powerscreen Mid-Atlantic to market and operate proprietary Dewatering Filter-presses
- With over 1,800 installations around the world and over 250 in the U.S. the technology is proven
- Designed to turn the liquid cement slurry product into dry mud “cakes”
- Potential to drastically simplify control and management of sediment associated projects, and manpow

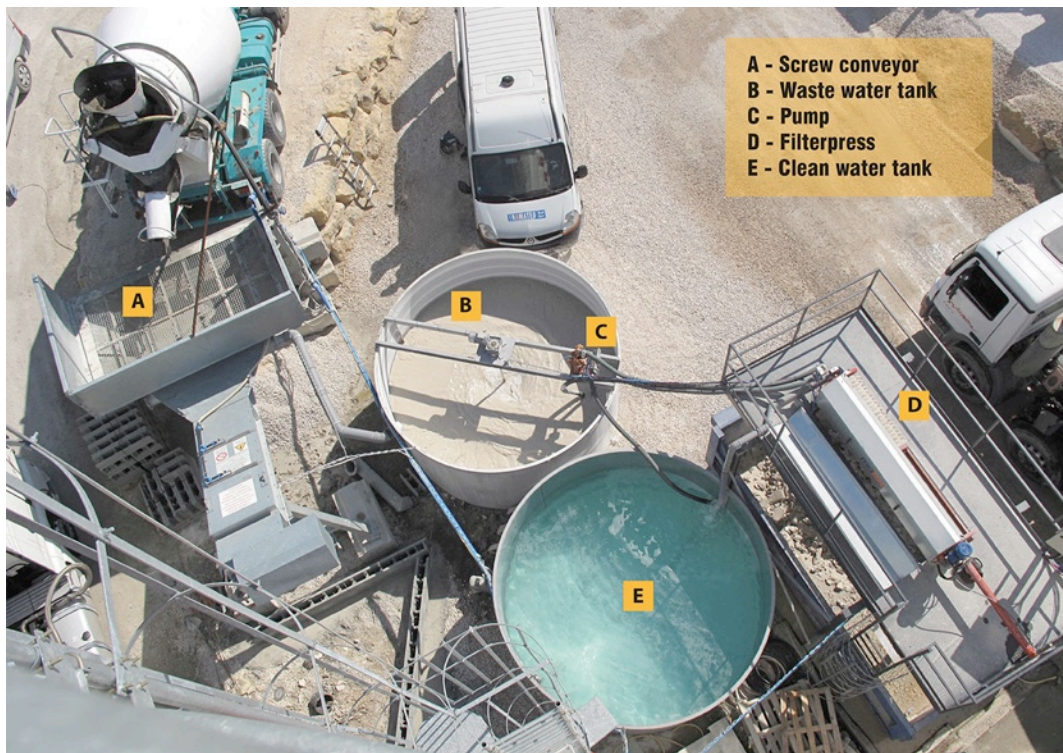


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❖ The Matec Filter Press

- Completely modular, bolt on system that can be adjusted to meet almost any throughput demands
- Utilizes HPT (“High Pressure Technology”) to turn the liquid slurry product into a dry mud “cake” that can be easily handled
- Operates in a controlled environment utilizing dredging and pumping instead of trucking
- The technology requires no civil works projects to install on site



❖ Our Reclamation Process



Our process begins with a dredge pump mounted on a long reach excavator. Ponds are able to be suctioned out completely without the need for equipment entry.

Typical pond cleanout requires entry of a wheel loader or similar equipment. This process is not only dangerous but also damaging to your machine. This process also creates spillage of slurry across your site.

❖ Benefits

- **Cost Effectiveness**
 - Dredging and Pumping vs Excavation and Trucking
- **Risk Mitigation / Safety**
 - Dramatic reduction in manpower and moving parts
 - Hard pipe contaminant material and closed circuit operation
 - Simple scalability without footprint disturbance
- **Water Treatment Capabilities**
 - Optional and can be added at any time due to the “bolt-on” nature of the cutting edge technology
- **Environmental**
 - Working areas are designed to avoid natural waterways
 - Controlling the risk of contaminated areas by eliminating traffic and centralizing operations
- **Timeframe**
 - The system can be customized for each Plant footprint as well as the makeup of material. Desired results dictate the scale and scope of the work.
- **Reliability**
 - Low maintenance operation with local and regional crews
 - Minimal downtime with no downtime for bad weather days
 - 24 x 7 technical support

❖ Results

- Post process water is free of suspended solids and may be treated for immediate site discharge.
- End product, dry mud “cakes” contain a target moisture of less than 20%
- These “cakes” are easily handled after being removed from the filter press system. Cakes may be further mixed for potential sales as base or easily transported



❖ Contact Us/Learn More

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RPM believes in a unique and customized plan for each and every client. Every opportunity is unique, and we deliver custom solutions, tailored to each customer.