

Orange County Sanitation District Wastewater Treatment

Presented By:
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Assistant General
Manager

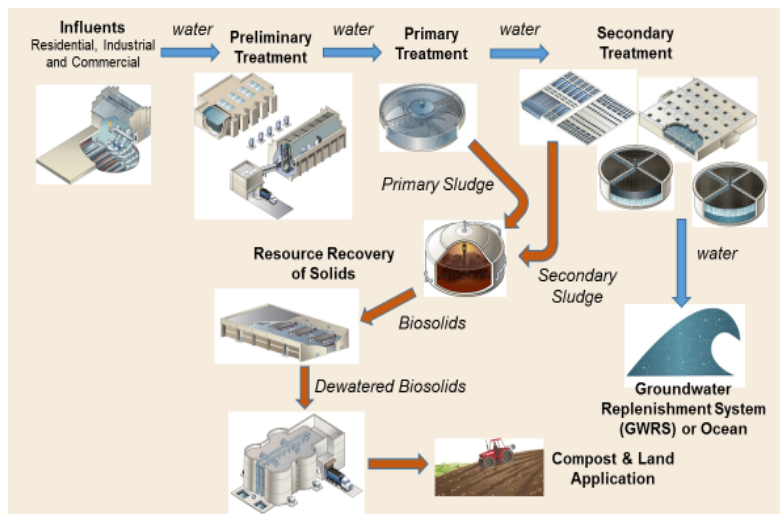
Operations Committee

March 3, 2021



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Water Reclamation Process



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Metering and Diverson Structure



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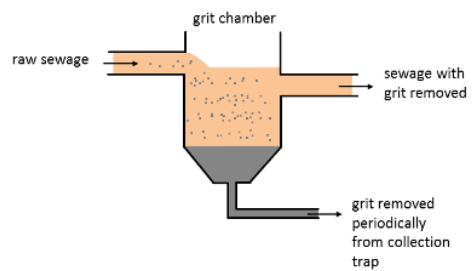
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Preliminary Treatment

Barscreen



Grit Chamber




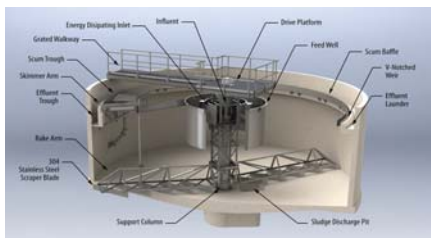
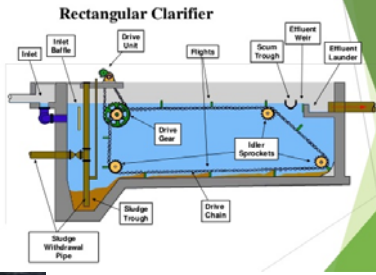

Grit is mostly inorganic material like sand, gravel, and egg shells.

Grit is very abrasive and heavy. It clogs flow channels and digesters and wears out pumps.

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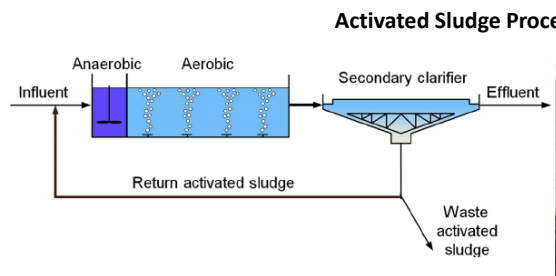
Primary Treatment



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Secondary Treatment



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Effectiveness of Water Treatment

Raw Sewage



Primary Treated Effluent



Secondary Treated Effluent



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Solids Recovery Process

Anaerobic Digester



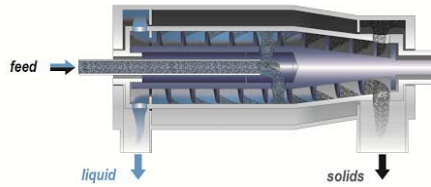
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Dewatering Operation



Centrifuge System at Plant No. 1



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Truckloading



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Central Generation Engines

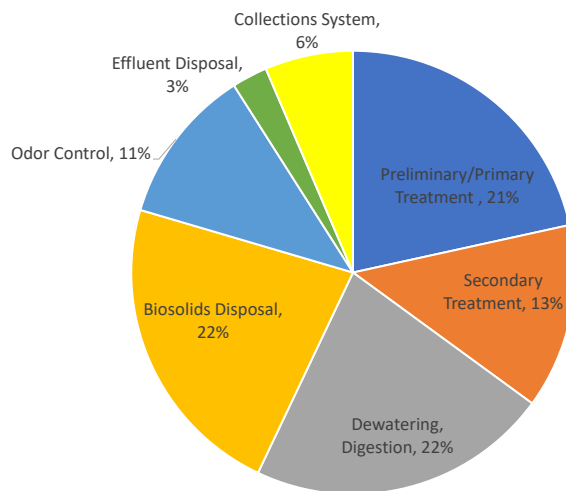


Plant No. 2 Central Generation Engines

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FY 2019/20 Operating Costs



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Questions



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