

KAISEER ***ALUMINUM***

Status Update

May 21, 2015

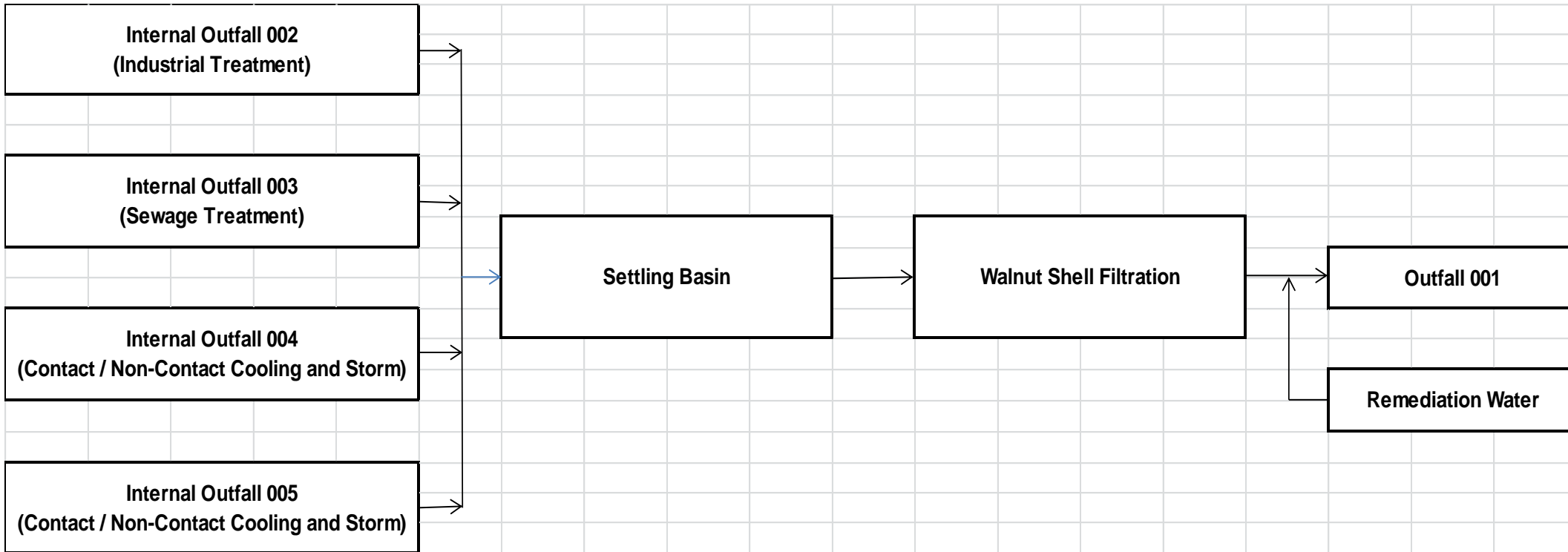
Agenda

- *Facility Overview*
- *Recent Activities*
- *Discharge Performance*

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Schematic Diagram



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Recent Activities

- *Discharge Volume Reduction*
 - *Flow reduction projects implemented within the facility*
 - ◆ *2013 – Annual average flow 9.7 MGD*
 - ◆ *2014 – Annual average flow 8.3 MGD*

- *Source Reduction*
 - *Conversion from Water Cooling to Air Cooling at Cryogenic Plant*
 - ◆ *Elimination of phosphate based corrosion inhibitor in cooling tower*

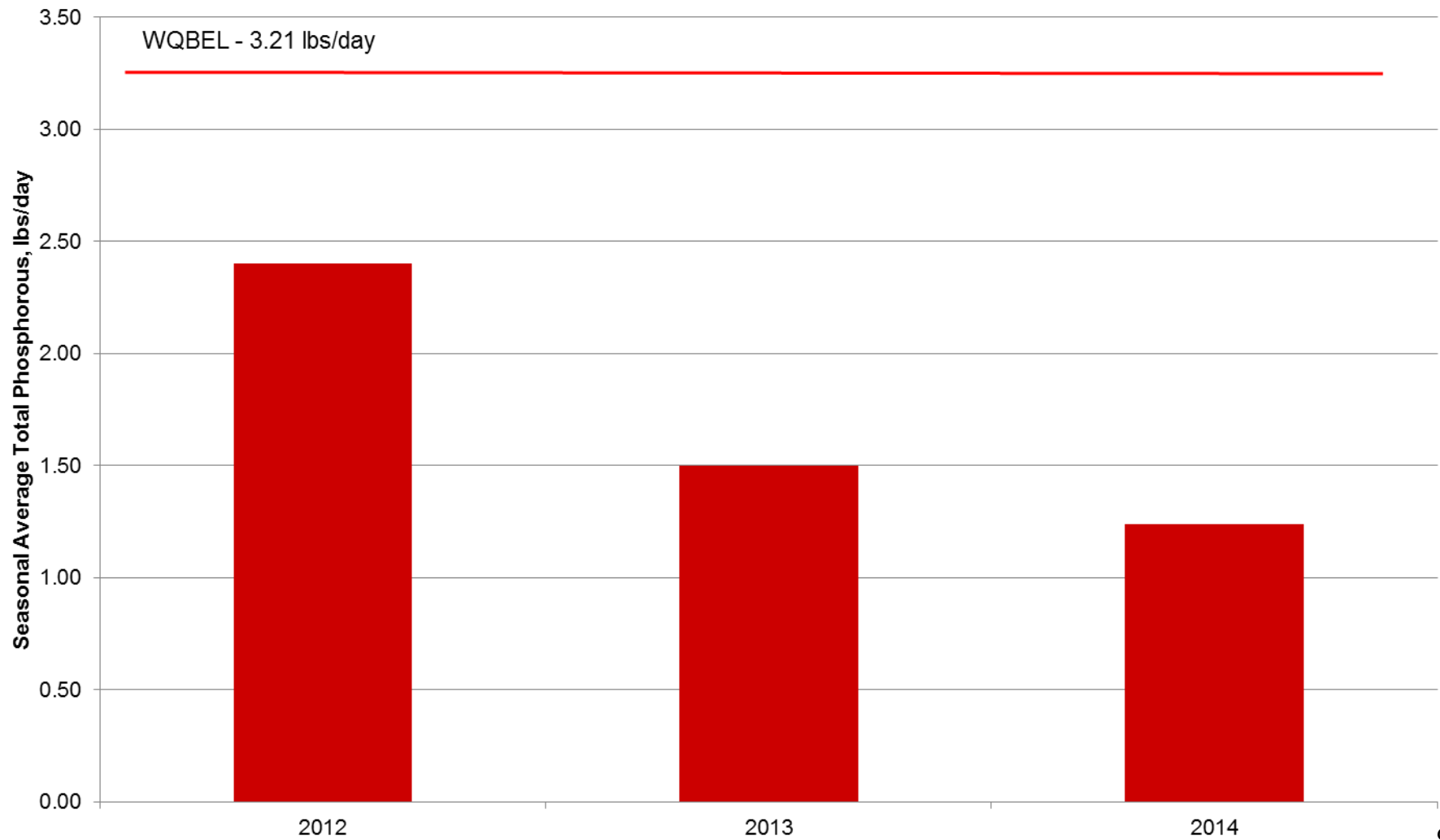
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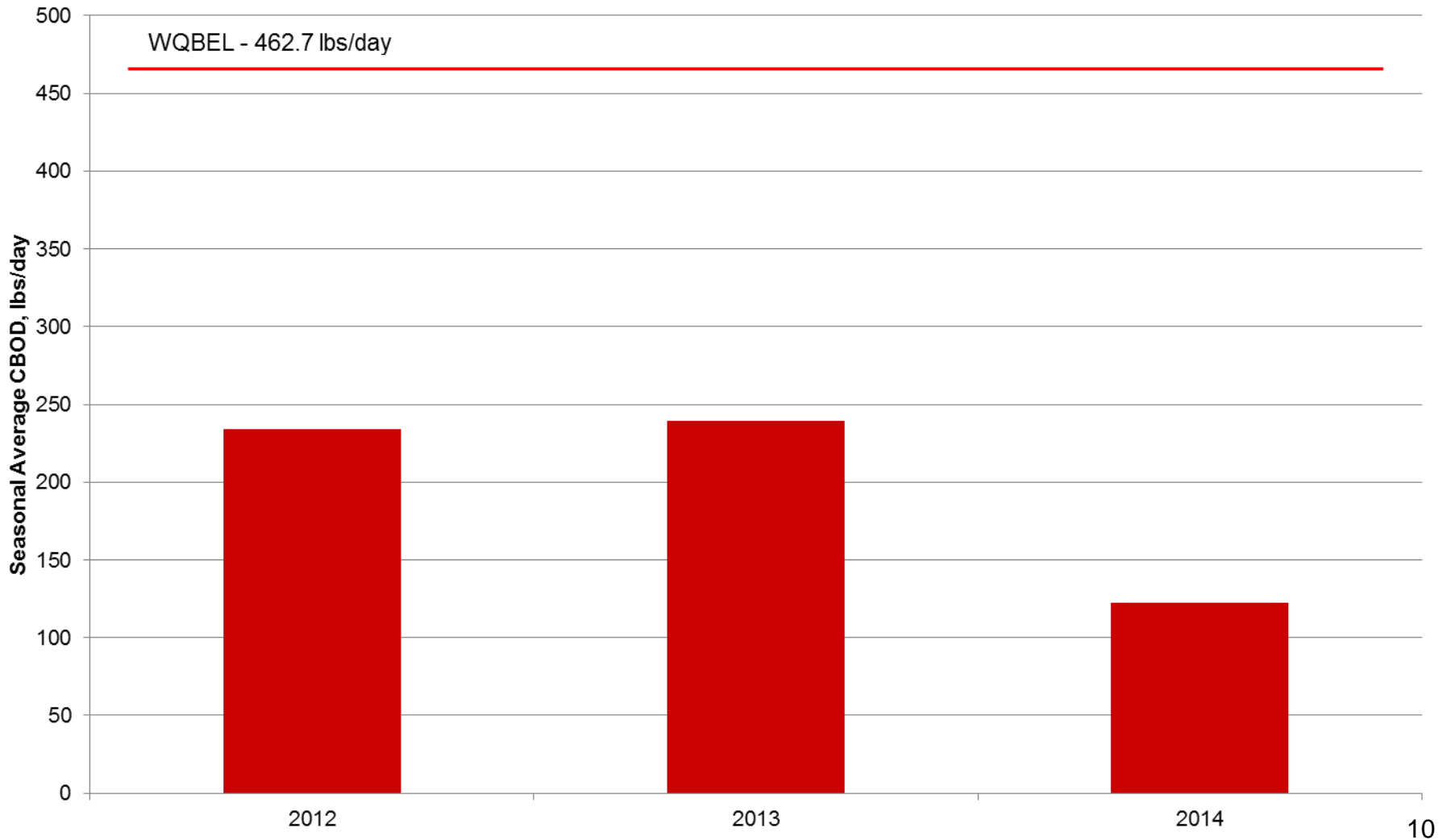
Facility Performance

- *Three parameters related to the DO TMDL implementation will have future seasonal (March – October) effluent limits*
 - *Total Phosphorous*
 - *Carbonaceous Biological Oxygen Demand*
 - *Ammonia*

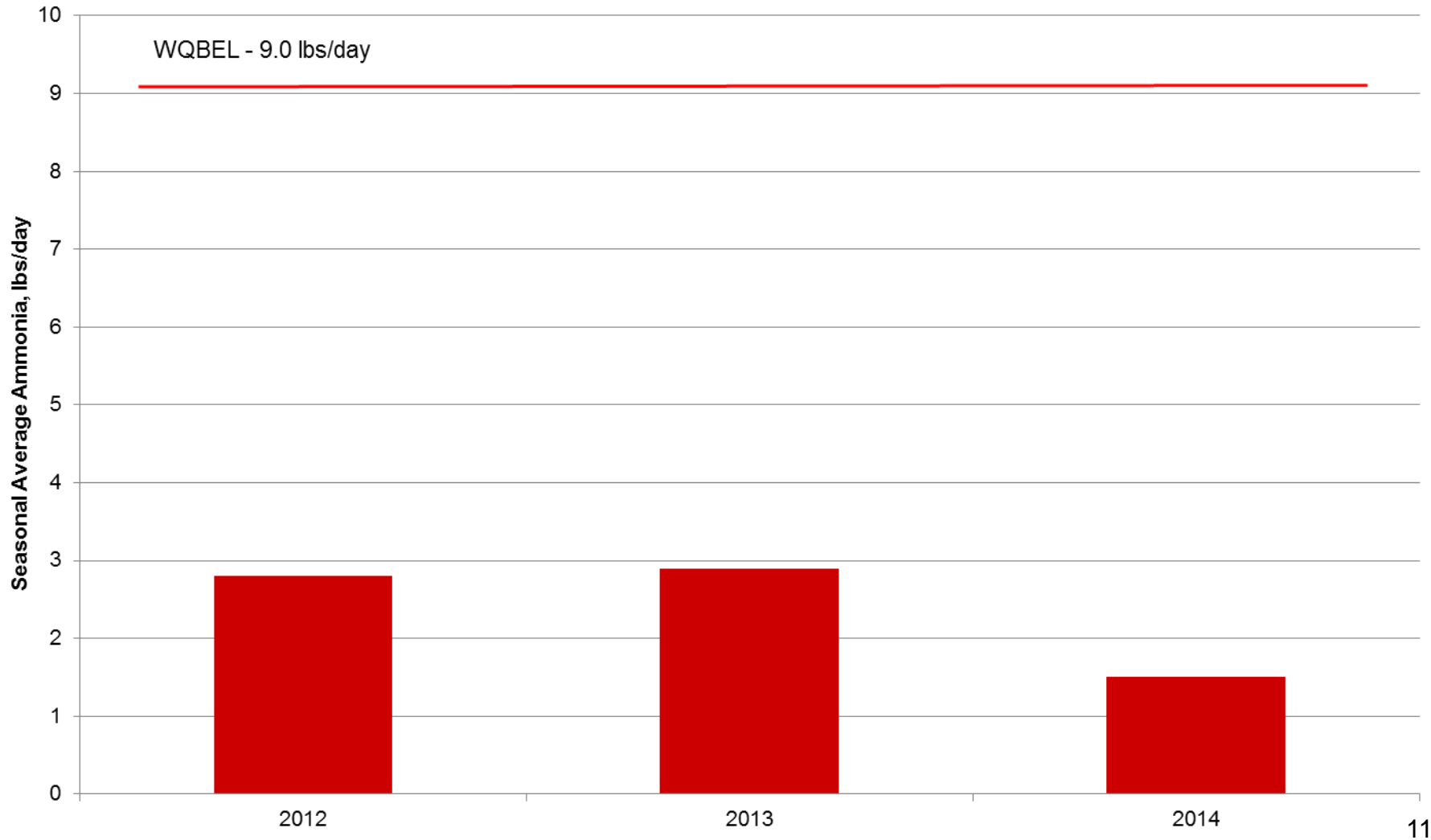
Seasonal Total Phosphorous (March - October)



Seasonal Carbonaceous Biological Oxygen Demand (March - October)



Seasonal Ammonia (March - October)



Questions?