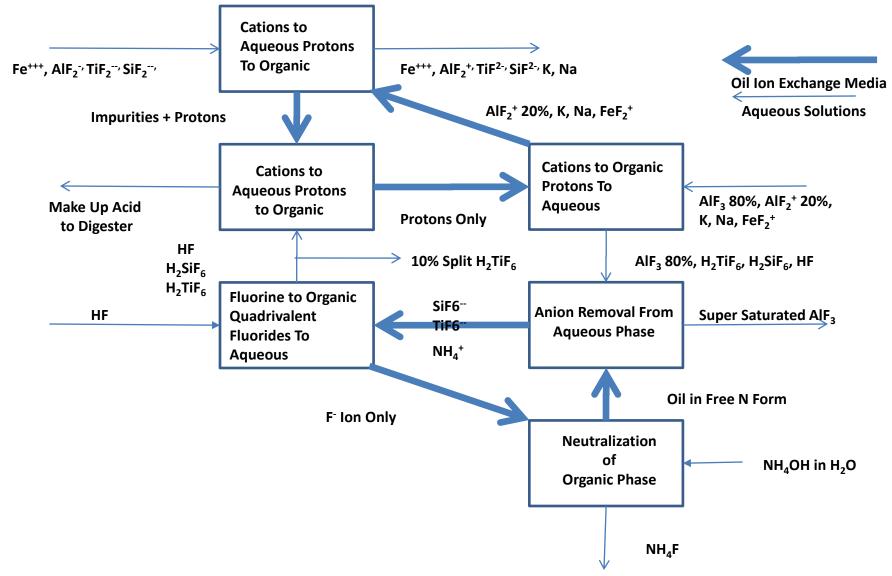
## Oil Based Ionic Separation of Dissolved Components of a Silicate System in Mixed Fluoroacids

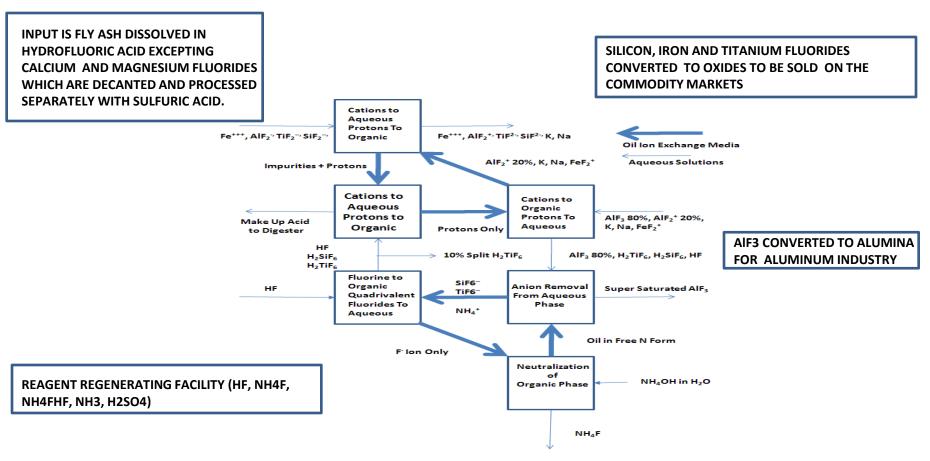
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## Oil Based Ionic Separation of Dissolved Components of a Silicate System in Mixed Fluoroacids



## Additional Regions of the Process Flow Diagrams Not Shown

- ALL OXIDES CONVERTED TO FLUORIDES
- FLUORIDES SEPARATED BY ION EXCHANGE, DECANTING AND VOLATIZATION
- CONTINUOUS FLOW PROCESSES USED EXCEPT FOR FIRST (INPUT) AND LAST (PRODUCT OUTPUT) STEPS
- SEPARATED FLUORIDES CONVERTED BACK TO OXIDES
- CALCIUM, MAGNESIUM AND SILICON OXIDES CAN BE USED TO SEQUESTER CO2



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## RELATIONSHIPS BETWEEN COAL FIRED ELECTRICTY GENERATION, FLY ASH CONVERSION AND CO<sub>2</sub> SEQUESTRATION

