



# A2A Configuration & Packmaking

October 27, 2008

**Award by**

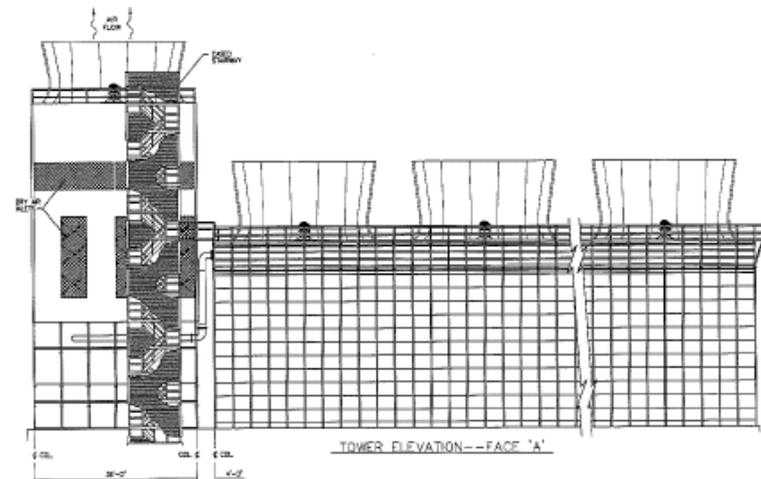
**National Energy Technology  
Laboratory,**

**Department of Energy**

GLOBAL INFRASTRUCTURE X PROCESS EQUIPMENT X DIAGNOSTIC TOOLS

**SPX**  
WHERE IDEAS MEET INDUSTRY

"Improvement to Air2Air™ *Cooling Tower Technology* for Thermoelectric Power Plants"

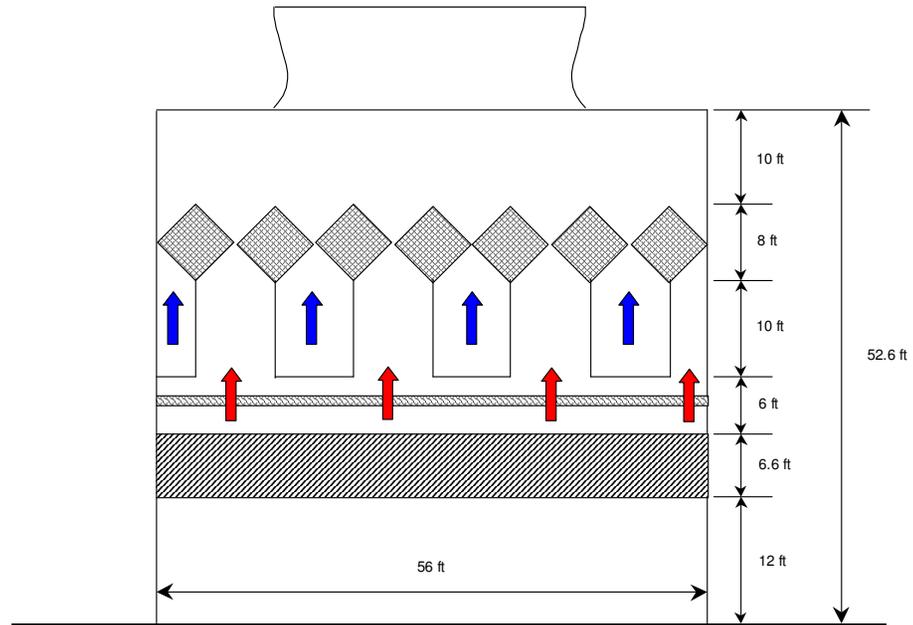
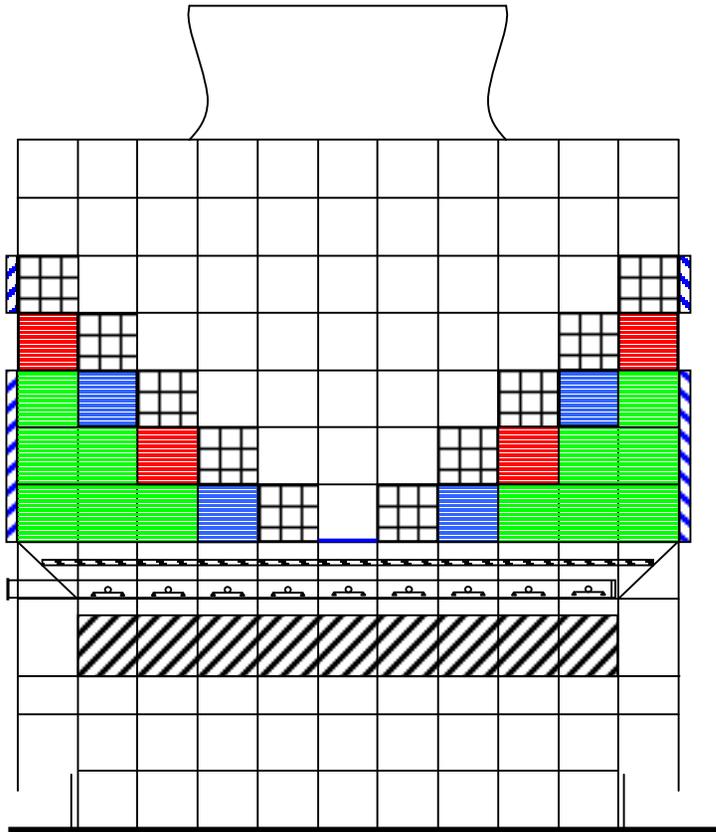


## A2A Cell Operating

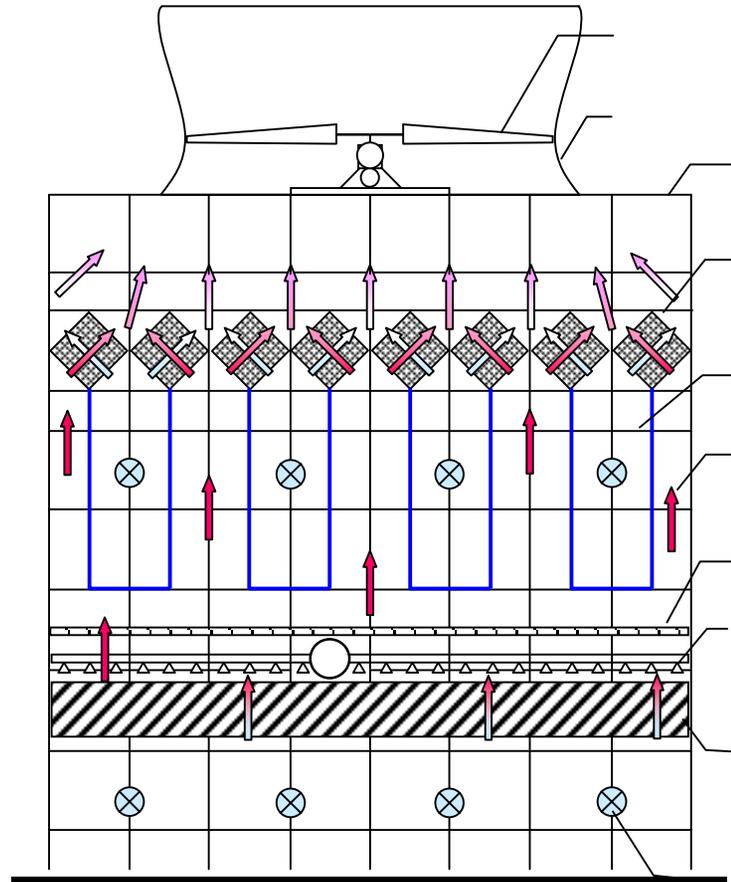


**SPX**

# A2A Configuration Change



# A2A Tower Configuration Change



# Re-Positioned A2A Module Configuration



42°

Item	Projected Milestone	Date
1	A2A Tower Configuration Analysis	12/08
2	A2A Heat Exchanger Enhancement Analysis	12/08
3	Pack Seal Development	4/10
4	Evaluate Resulting A2A Pack	3/10
5	Reporting	9/10

## ***Water Conservation***

- Less make-up
- Less blow-down
- Less chemical treatment

## ***Reduced Plume -***

- **Lowers Actual Humidity of Exit Air**
- No Change Pump-head
- No Water to A2A Heat-exchanger
  - ***No Icing***
  - ***No Fouling***



Thanks to the NETL/Department of  
Energy for this Opportunity