



Figure 17: Blast Furnace Recirculation Scrubber Water Cooling Tower.



Figure 18: Blast Furnace Recirculation Scrubber Water Cooling Tower louver deterioration.



Figure 19: Blast Furnace Recirculation Scrubber Water Cooling Tower fan with leading edge wear and damage. Fan is also missing the center seal disk.

Compartment #4

- Air to first header, 10 rows, turned off due to leakage on #4 pulse valve
- Bleed through with moderate build-up on tube sheet due to lack of cleaning
- Multiple blow pipes loose from valves
- Air leakage on solenoid box, valve #4 from door
- Crack with air leakage on last header
- Heavy build-up on tube sheet at front wall. Potential weld cracking at baffle interface
- Door corroded completely through
- Door frame needs rework as it has corroded substantially



Figure 13 Door Corrosion Door removed from unit



Figure 15 Blow pipe off

Ductwork:

- Multiple locations on both sides of duct from furnaces where erosion has been repaired, where it is giving the appearance of distortion and where there are actual holes
- Inlet flange to Compartment #2 is giving appearance of leakage
- Expansion joints both inlet and outlet of fans appeared to be intact



C.P.
ENVIRONMENTAL

MICRONICS ENGINEERED FILTRATION GROUP



UNITED
PROCESS
CONTROL

MICRONICS ENGINEERED FILTRATION GROUP



Figure 17 Fan side duct hole