

Process Operator

Big River United Energy Dyersville, IA

This position is primarily responsible for knowing two areas, Cook and D&E

DUTIES

Process Cook

Follow all SOP's

Perform duties in a safe manner and be aware of situations requiring PPE and special safety precautions.

- oBases-caustic, ammonia, urea

- oAcids-sulfuric, sulfamic, and phosphoric

- oHigh pressures and/or high temperatures

- oGrabbing of hot samples and CIP samples

- oUse of hot flush water and steam

- oChemical barrel wash

- oProcess equipment-hammer mill screens, couplers, mixers, etc.

- oChemical spill containment-acid, caustic, enzyme

- oAdditional areas as identified by safety

Records are to be kept on grind, cook, fermentation and yeast propagation.

Clean necessary areas (refer to cleaning schedule)

Alternate Duties

- oAssist with unloading manufacturing supplies

- oAssist with the unloading of denaturant trucks

- oAssist with loading ethanol trucks

Cross reference with previous shift to review records and current status prior to shift change

CIP/Sulfamic acid tanks should be adequate for further use at the end of your shift

Clean fermenters as emptied

CIP propagators

Visually inspect fermenters prior to CIP wash

Keep current on the status of all operating equipment in cook area

- oWater to pump seals

- oOil in pump glasses

- oVibration of pumps or motors

- oUniformity of ground grain

oEnzyme pumps

oCondition of CIP and acid wash (level, temp, ph & strength)

oListen for unusual noises

oPart of chemical inventory

oCheck conveyors for slop/noise

Know which grain bin is being filled and emptied

Check enzyme pump once per shift. Enzyme rates are to be checked more often if issues arise in that area. Change rates when grain rates change.

Other duties not listed herein, but which need to be accomplished to maintain safe and timely day-to-day operations within the plant

Process D& E

Responsible for in process test and inspection testing and documenting results on log sheet for distillation, evaporation, and drying

Spot checks

Report discrepancies

Be safe and responsible

Report any safety problems

Keep informed on hazardous conditions of any kind

oBases-caustic, ammonia

oAcids-sulfuric and sulfamic

oHigh pressure and/or temperatures (I.E. steam, condensate, distillate, syrup, thin stillage)

Clean necessary areas

Alternate duties

oload DDG trucks

oload alcohol truck

ounload denaturant trucks

Required samples to lab (alcohol, syrup, etc)

Cross reference with previous shift to review records and current status prior to shift change

Keep current on the status of all operating equipment in section

oWater to pump seals

oOil in pump glasses

oVibration of pumps or motors

oLevels in critical tanks

oEvaporator

oDistillation

oListen for unusual noises

Learn where needed parts are (fuses, couplings, bolts, and fittings)

Be aware of electrical starters in the motor control center

Complete CIP's as required

Other duties not listed herein, but which need to be accomplished to maintain safe and timely day-to-day operations within the plant

QUALIFICATIONS

Ability to lift up to 50lbs

Ability to climb ladders

Ability to work in heights

Ability to work in various weather situations

Ability to organize and manage multiple priorities, time management

Ability to work 12 hour rotating shifts, rotating between days and nights

Ability to work as a strong team player

Ability to commitment to company values

Ability to work mandatory overtime