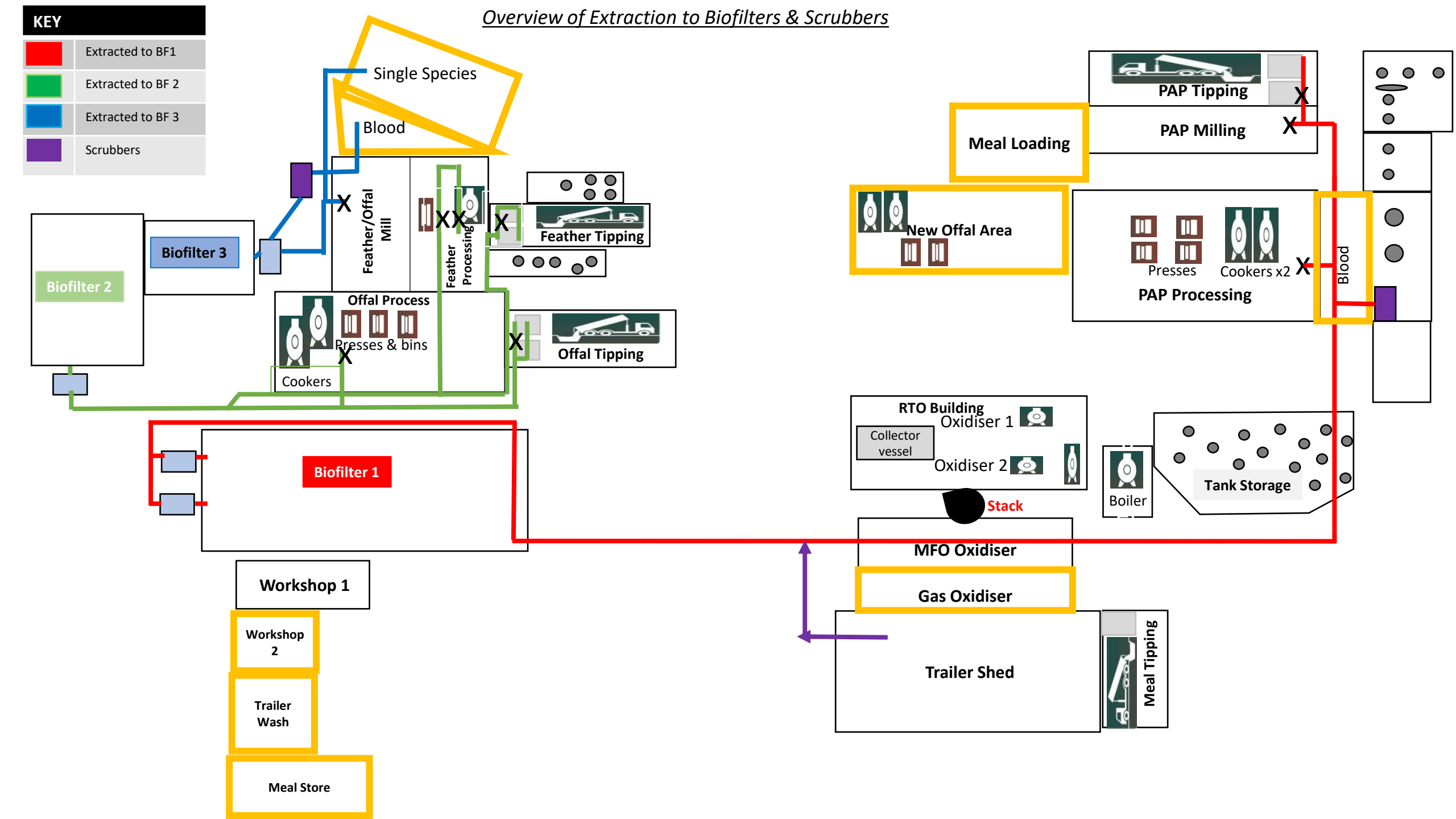
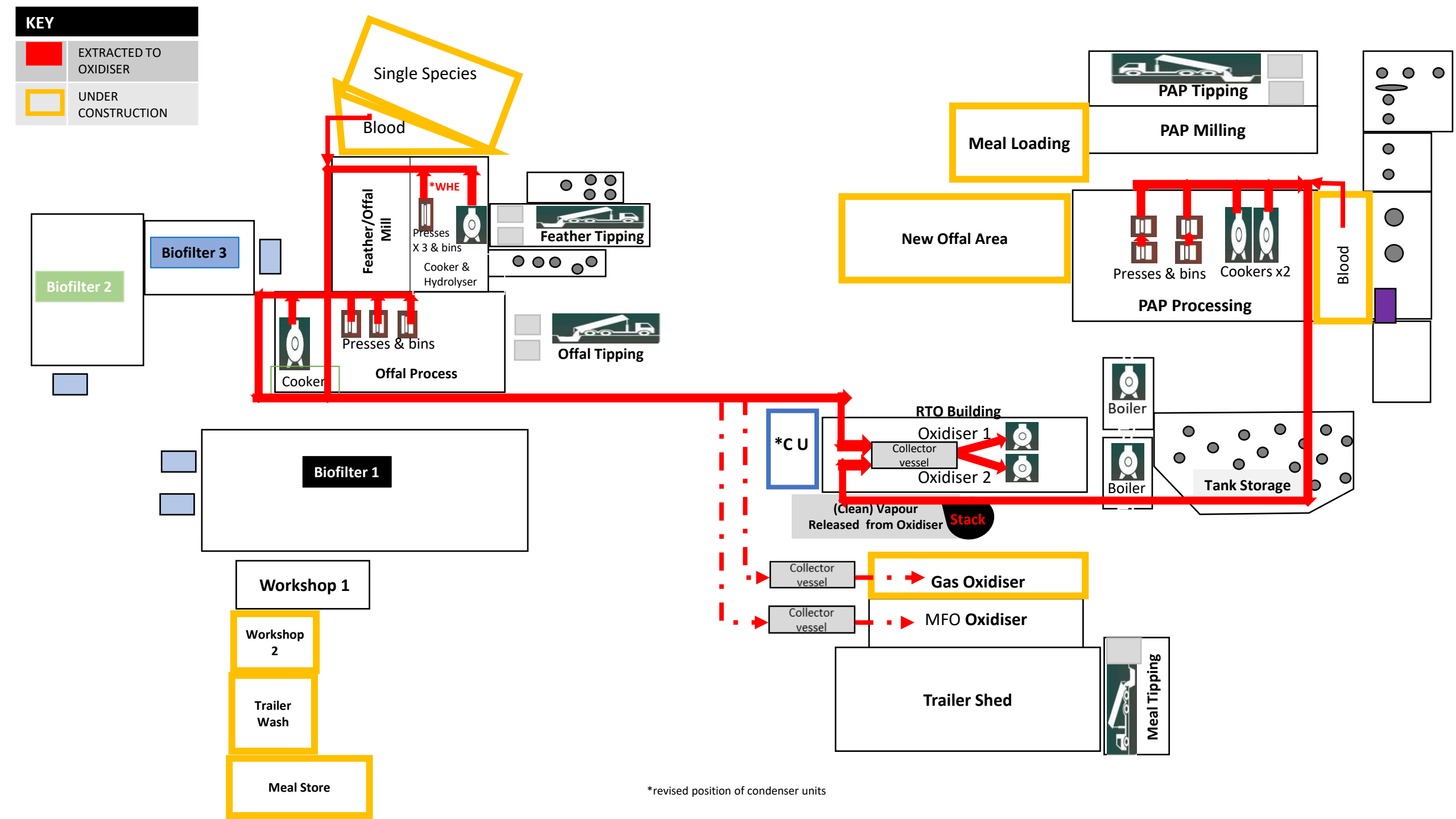
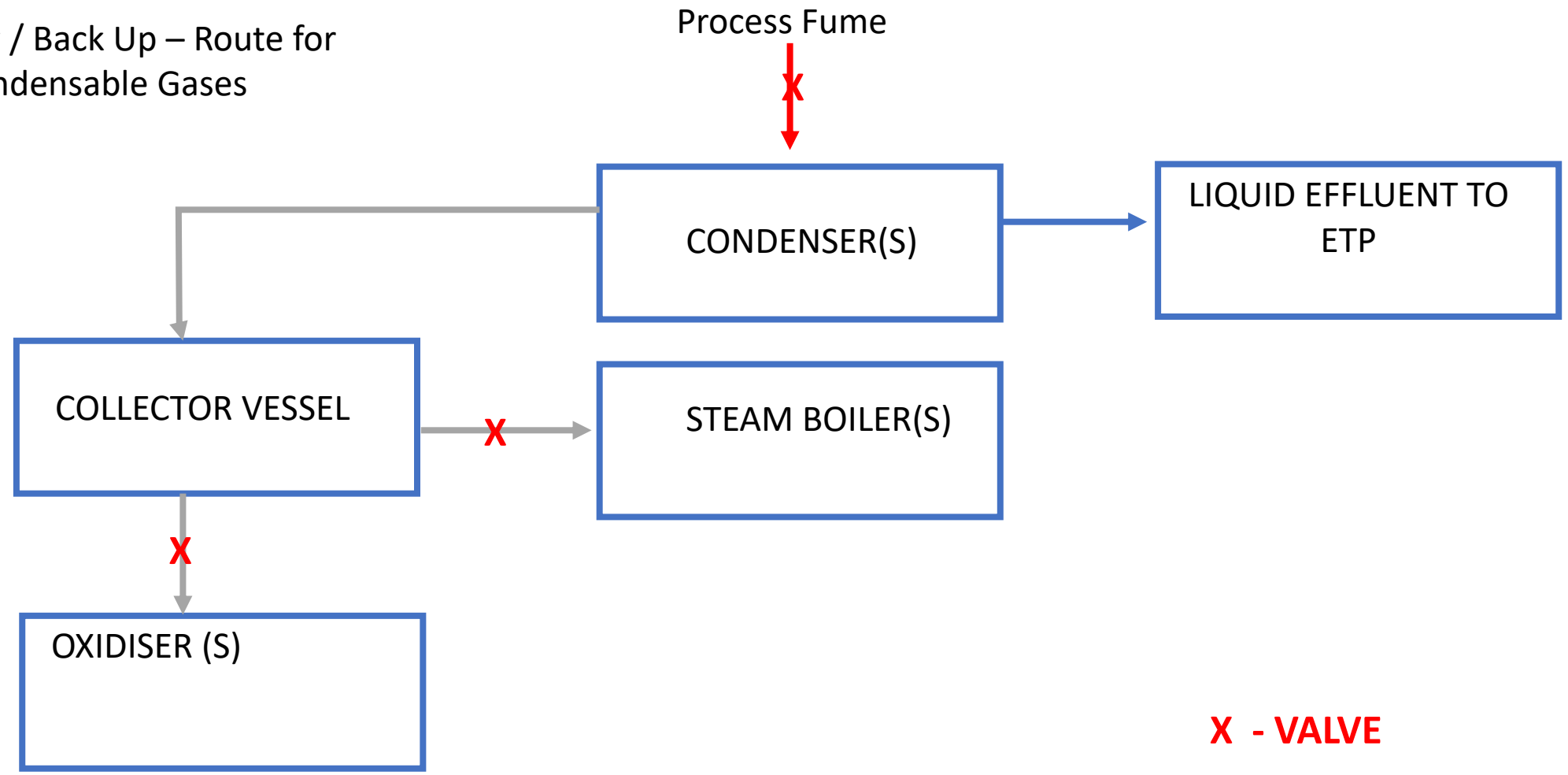

KEY
Extracted to BF1
Extracted to BF 2
Extracted to BF 3
Scrubbers
Overview of Extraction to Biofilters & Scrubbers
Single Species
Blood
Feather/Offal Mill
Feather Processing
Feather Tipping
Offal Process
Presses & bins
Cookers
Offal Tipping
Biofilter 3
Biofilter 2
Biofilter 1
Workshop 1
Workshop 2
Trailer Wash
Meal Store
PAP Tipping
PAP Milling
Meal Loading
New Offal Area
Presses
Cookers x2
PAP Processing
Blood
RTO Building
Collector vessel
Oxidiser 1
Oxidiser 2
Stack
Boiler
Tank Storage
MFO Oxidiser
Gas Oxidiser
Trailer Shed
Meal Tipping



*revised position of condenser units

Standby / Back Up – Route for
Non Condensable Gases



X - VALVE

AREA	DESCRIPTION	ABATEMENT
TIPPING AREAS	ROOM AIR	BIO FILTERS
OFFAL/PAP PROCESSING	ROOM AIR	BIO FILTERS
OFFAL/PAP/FEATHER PROCESSING	FOUL AIR FROM COOKERS, PRESSES, BINS	OXIDISER
FEATHER PROCESSING	PRESS AND DRIER	WASTE HEAT EVAPORATOR
FEATHER PROCESSING	ROOM AIR	COMBUSTION AIR AND BIOFILTERS
POULTRY BLOOD	ROOM AIR	TO DRYER
BLOOD PROCESSING	FOUL AIR FROM FLASH TANK AND RAW BLOOD TANK	OXIDISER
BLOOD PROCESSING	FOUL AIR FROM DRYER	SCRUBBER AND BIOFILTER
MILL AREAS	ROOM AIR, BAG FILTER ON BLOOD DRYER	BIO FILTERS
TRAILER SHED/ MBM FUEL	ROOM AIR	TO BF1 UNTIL MFO CAN TAKE THE AIR AS COMBUSTION AIR

For Areas Under Construction

- Use of Waste Heat Evaporator in offal processing
- Alternative abatement for room air from tipping sheds (under review)
- Use of room air as combustion air for MFO (scope to include all 3 tipping sheds or the new processing areas/ trailer shed, depending on requirements)
- Use of meal cooling to reduce odour loading
- Use of water sprays within main processing room ducting to cool and clean the room air prior to abatement
- Consideration of the use of chemical scrubbers for treating room air from tipping shed(s)

- *Note – details to be submitted within new variations*