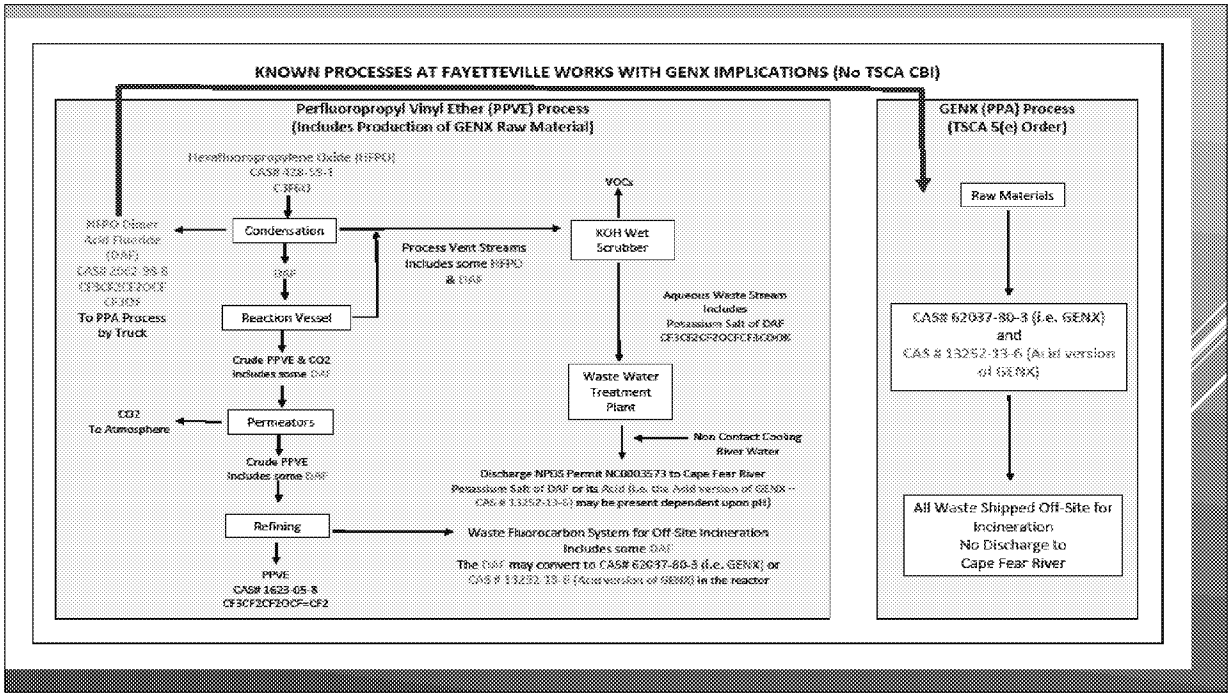
KNOWN PROCESSES AT FAYETTEVILLE WORKS WITH GENX IMPLICATIONS (No TSCA CBI)
Perfluoropropyl Vinyl Ether (PPVE) Process
(Includes Production of GENX Raw Material)
Hexafluoropropylene Oxide (HFPO)
CAS# 428-59-1
C3F6O
HFPO Dimer
Acid Fluoride
(DAF)
CAS# 2062-98-8
CF3CF(CF3)COF
C6F9OF
To PPA Process
by Truck
Condensation
DAF
Reaction Vessel
Process Vent Streams
Includes some HFPO
& DAF
VOCs
KOH Wet
Scrubber
Aqueous Waste Stream
Includes
Potassium Salt of DAF
CF3CF2CF2OCFCF3COOK
Crude PPVE & CO2
Includes some DAF
Waste Water
Treatment
Plant
CO2
To Atmosphere
Permeators
Non Contact Cooling
River Water
Crude PPVE
Includes some DAF
Discharge NPDS Permit NC0003573 to Cape Fear River
Potassium Salt of DAF or its Acid (i.e. the Acid version of GENX -- CAS # 13252-13-6) may be present dependent upon pH)
Refining
Waste Fluorocarbon System for Off-Site Incineration
Includes some DAF
The DAF may convert to CAS# 62037-80-3 (i.e. GENX) or
CAS # 13252-13-6 (Acid version of GENX) in the reactor
PPVE
CAS# 1623-05-8
CF3CF2CF2OCF=CF2
GENX (PPA) Process
(TSCA 5(e) Order)
Raw Materials
CAS# 62037-80-3 (i.e. GENX)
and
CAS # 13252-13-6 (Acid version
of GENX)
All Waste Shipped Off-Site for
Incineration
No Discharge to
Cape Fear River