

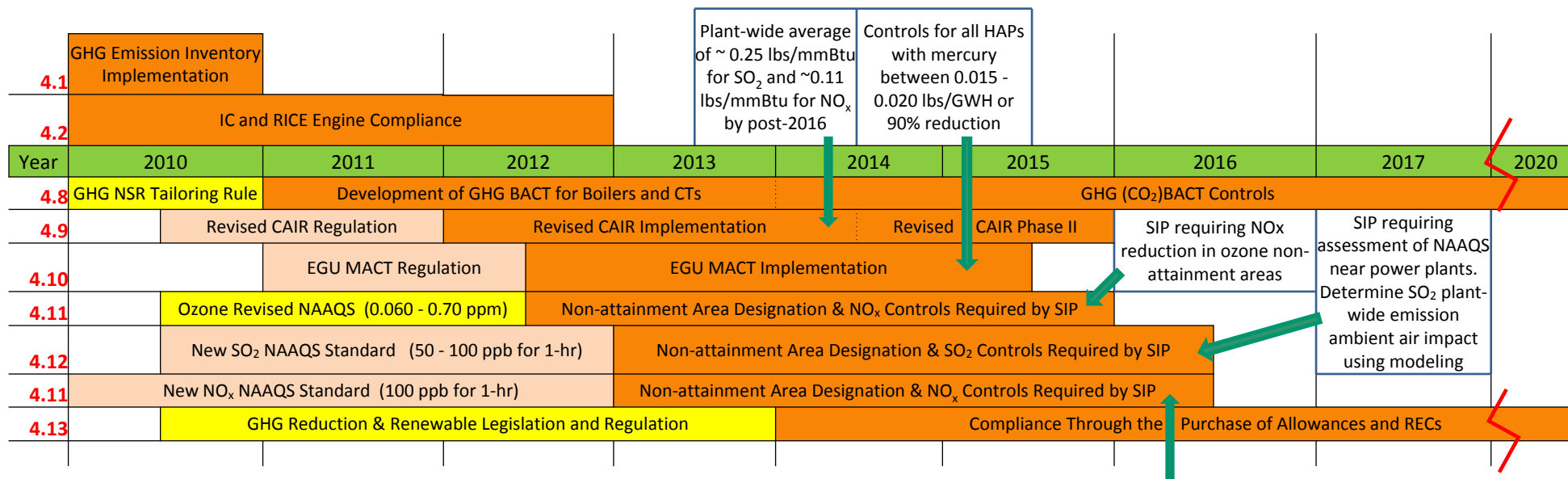
Appendix A
E.ON Environmental Matrix

Estimated Requirements Under Future New Environmental Regulations

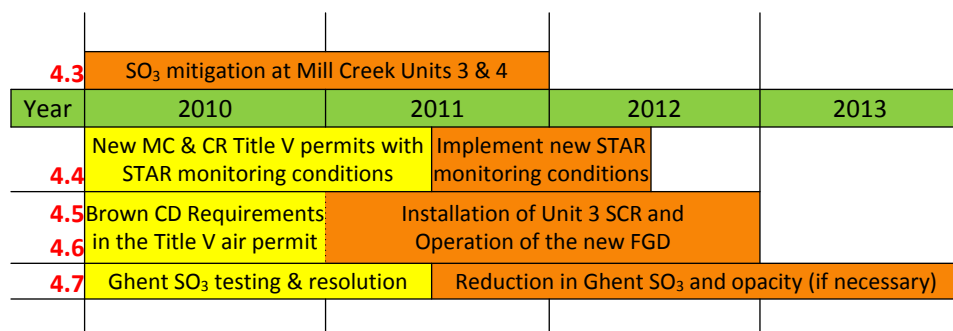
Task No.	Program Name	Regulated Pollutants			Unit/Plant Averaging	Forecasted Date for Compliance
		Pollutant	Limit	Units		
4.1	GHG Inventory	No additional limits			N/A	Spring - 2010
4.2	New & Existing Engine NSPS and RICE MACT	PM NO _x VOC CO	Varies by Model Year and Horsepower. Certified to meet Tier III, Interim Tier IV or Tier IV		Unit	Spring 2013 for existing MACT & at installation for new NSPS
4.3	Mill Creek BART	MC3 - SAM MC4 - SAM	64.3 76.5	lbs/hour lbs/hour	Unit	During - 2011
4.4	Jefferson Co. STAR Reg.	metals in fuels (As) 20 - 50 ppm or ~1x10 ⁻⁵ lbs/mmBtu emission rate			Plant	Spring - 2012
4.5 & 4.6	Brown Consent Decree	PM SO ₂ NO _x SAM	0.03 97% 0.07 / 0.08 110 -220	lbs/mmBtu Removal lbs/mmBtu lbs/mmBtu	Unit 3	SO ₂ & PM - December, 2010 NO _x & SAM - December, 2012
4.7	Ghent NOV's	SAM	3.5 - 10	ppm	Unit	During - 2012
4.8	GHG NSR	GHG	Energy Efficiency Projects		Unit/Plant	January, 2011
4.9	Revised CAIR	SO ₂ NO _x	0.25 0.11	lbs/mmBtu lbs/mmBtu	Plant	Beginning in 2014
4.10	New EGU MACT	Mercury Acids (HCl) Metals (PM) Metals (As) Organics (CO) Dioxin/Furan	90% or 0.012 0.002 0.03 0.5 x 10 ⁻⁵ 0.02 15 x 10 ⁻¹⁸	Removal lbs/GWH lbs/mmBtu lbs/mmBtu lbs/mmBtu lbs/mmBtu	Plant Unit	January, 2015; with 1-yr extension - January, 2016
4.11	Jefferson Co. Ozone Non-attainment	NO _x	5 - 10 % reduction	NOx emissions	County-wide	Spring - 2016
4.11	New 1-hour NAAQS for NO _x	NO _x	To be determined based on modeling	lbs/hours	Plant	During - 2015
4.12	New 1-hour NAAQS for SO ₂	SO ₂	To be determined based on modeling	lbs/hours	Plant	Spring - 2016
4.13	GHG Reduction & Renewables	GHG	To be determined based on modeling	tons/year	Fleet	Beginning in 2014
Plan Risk	PM _{2.5} Emission Reductions	PM2.5 (Condensables)	To be determined based on modeling	lbs/mmBtu	Unit/Plant	After 2013
4.14	CWA 316(a)	Thermal impacts	Biological Studies	N/A	Plant	Starting in 2010
4.15	CWA 316(b)	Withdraw impacts	Biological Studies	N/A	Plant	Starting in 2012
4.16	New Effluent Standard	Metals, Chlorides, etc.	EPA analysis is just beginning	EPA analysis is just beginning	Plant	During - 2015
4.17	CCR Classification	Toxic Metals	Handle dry in landfill; possible closing existing ash ponds in 5 years		Plant	Beginning in 2012;

 - New requirements have been finalized

Air Related Environmental Regulatory Program Implementation



Existing Air Related Environment Issues

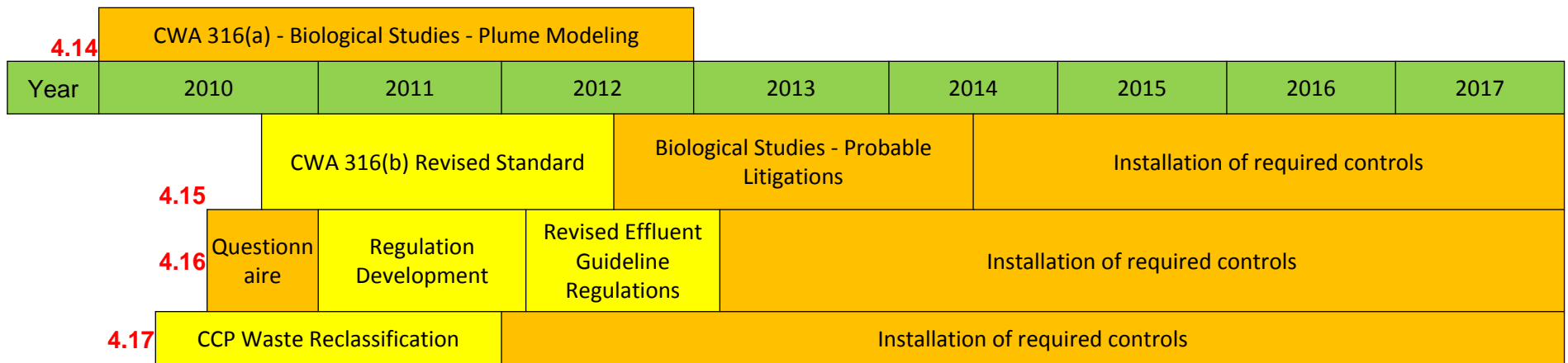


Note:

If the environmental action is above the "Year" row, then regulatory requirements are finalized.

- Year of occurrence
- Regulatory requirements are still being developed
- Requirements are still being developed, but an indication of major impact
- In the implementation phase (engineering design & equipment construction)

Land & Water Related Environmental Regulatory Program Implementation



- Year of occurrence
- Regulatory requirements are still being developed
- Requirements are still being developed, but an indication of major impact
- In the implementation phase (engineering design & equipment construction)