

Test Case Worksheet for Emission Sources and Criteria

What to Measure – Criteria List

Emissions Source	Examples	Addressed in another SEPA document?	Credibly measured or assessed?	Boundary Determined?	Importance to Climate Change Impacts?	Mitigation Available?
Direct Emissions						
Construction	Generators and equipment exhaust, this includes off-site haul trucks during construction?	No	Yes	Yes	Minimal	Yes
Mobile Sources and Direct VMT	Directly related to project (company generated) or non-project (all commuting, and commercial transportation (includes distance and type of transport).	No	Maybe	Yes for commuting; maybe for others	No, when proposal is a relocation of business	Yes
Stationary Sources and Direct Facility Emissions	On-site combustion processes usually from company-owned equipment.	No	Yes	Yes	Yes, depending on industrial process/product	Yes
Fugitive Emissions	Unintentional emissions, accidental releases such as leaks from industrial facilities, gas releases from drilling operations etc. GHG emitted from points other than tailpipes, vents, stacks, or other locations that can be collected.	No	Yes	Yes	No	Yes
Direct Agricultural Emissions	Livestock methane, land clearing, fertilizer application, and on-site manure handling.	N/A				
Forestry Conversion and other land or aquatic vegetation disturbance	One-time soil-carbon emissions during land clearing, and permanent annual loss of CO ₂ sink following removal of trees or vegetation.	N/A				
Maintenance activities	Emissions from equipment, chemicals	No	Yes	Depends on activity	Possible	Yes
Indirect Emissions						
Extraction of Materials	Off-site mining, timber mining/extraction, petroleum products (e.g. fuel and plastic products) for products and materials that are used by the proposal.	Possibly in SEPA review for those activities	Difficult, depending on specific industrial process/pro	Difficult	Unknown	Unknown

Emissions Source	Examples	Addressed in another SEPA document?	Credibly measured or assessed?	Boundary Determined?	Importance to Climate Change Impacts?	Mitigation Available?
Processing of materials	Energy used and emissions from processing raw materials or end products for a proposal (e.g. cement, metals, plastics, wood, fuel).		duct			
Transportation of materials	Delivery of raw materials to the facility by non-company-owned trucks, and shipment of produced product from the facility by non-company-owned trucks.	No	Yes	Probably	Possible	Yes, but not under proponent's control?
Employee Commute VMT	Tailpipe emissions from employee commuting	Yes, possibly in comp plan or transportation plan	Yes	Yes	Yes	Yes
Other Indirect VMT	Traffic from associated development, indirect change in traffic pattern, customer VMT (vs. company owned), associated public services (parks, emergency response)	Same as above	Yes	Yes	Yes	Yes, but not under proponent's control
Energy Use	Usually purchased energy from off-site energy power plants.	Yes	Yes	Yes	Yes	Yes
Water Use and Wastewater Disposal	Quantity used during construction, operation and closure, - energy used to provide water and dispose of polluted water. GHG emitted from off-site pump stations and water treatment plants for water used by proposal. GHG emitted from off-site sewage lift stations and POTWs used to convey and treat wastewater from the proposed SEPA facility. This includes fugitive methane from POTWs. It does not include biogenic CO2 emitted from POTWs.	Yes	Yes, for water use directly measurable & used for process	No	Yes	Only for water use under proponent's control
Solid Waste	Emissions from disposal (usually off-site) of all types of waste (construction, agriculture, general trash, food). Could include tailpipe emissions from trucks and trains used to collect refuse and haul it to the disposal site and off-site emissions from pre-processing of solid waste (e.g., transfer stations), and fugitive methane emissions from solid waste landfills. It does NOT include biogenic CO2 emissions from solid waste disposal facilities.	Yes	Yes, for solid waste generated by construction /operations	No	Yes	Only for wastes directly generated by construction/ops
End-use emissions from	Use and disposal of products by consumers, industry etc. This could include emissions generated from combustion of	No	Difficult,	No	Yes?	

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product use	fuels manufactured or distributed by the proposed facility.		depends on product/process			