

FORM – E (Engine)

POLK COUNTY AIR QUALITY DIVISION
 Supplemental Information in support of a Construction
 Permit Application



PUBLIC WORKS DEPARTMENT
AIR QUALITY DIVISION
 5885 NE 14TH STREET
 DES MOINES, IOWA 50313

Engine Form
 (FORM –E)

Emission Point (EP) #		Ignition Type	<input type="checkbox"/> Spark <input type="checkbox"/> Compression
Emission Unit (EU) #		Black Start?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Engine Manufacturer		Emergency Engine? ⁽²⁾	<input type="checkbox"/> Yes <input type="checkbox"/> No
Model #		2 or 4 Stroke? (SI Engine Only)	<input type="checkbox"/> 2-Stroke <input type="checkbox"/> 4-Stroke
Model Year		Rich or Lean Burn? (SI Engine Only)	<input type="checkbox"/> Rich Burn <input type="checkbox"/> Lean Burn
Fuel Type		Portable? ⁽³⁾	<input type="checkbox"/> Yes <input type="checkbox"/> No
Rated Capacity (bhp)		Manufacturer Certified?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Displacement CI Only (liters/cylinder)		Modification/Reconstruction Date ⁽⁴⁾	
Date of Construction ⁽¹⁾			

⁽¹⁾ Date the engine was ordered.

⁽²⁾ Emergency stationary internal combustion engine is a stationary ICE whose operation is limited to emergency situations and required testing and maintenance. Examples include stationary ICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary ICE used to pump water in the case of fire or flood, etc. Stationary SI ICE used to supply power to an electric grid or that supply power as part of a financial arrangement with another entity are not considered to be emergency engines.

⁽³⁾ A portable engine that will remain at allocation more than 12 months or a portable engine that operates more than 3 months per year as part of a seasonal source that returns to the same location is considered a stationary engine.

⁽⁴⁾ A modification is a physical or operational change that can increase the emissions of a regulated air pollutant. Reconstruction is replacing the components of an existing engine and the cost of the replacement components exceeds 50% of the cost of the new engine. See 40 CFR 60.14 and 60.15 for a complete definition.