Pursuant to the authority vested in the Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following new large spark-ignition engines and emission control systems produced by the manufacturer are certified for use in off-road equipment as described below. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY NAME	ENGINE DISPLACEMENT (liters)	FUEL TYPE		
2012	CBKSB08.0SCE	8.0	CNG, LPG		
		IAL FEATURES & I CONTROL SYSTEMS	TYPICAL EQUIPMENT USAGE		
5000		ed Oxygen Sensor, eous Fuel Mixer, ay Catalytic Converter	Generator, Compressor and Pump		
ENGINE MODELS (rated power in kilowatt, kW)		See Attachment			

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx) and carbon monoxide (CO) exhaust certification emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2433(b)(1)) and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with 13 CCR Section 2433(b)(3).

(g/kW-hr)	HC+NOx	со	
Exhaust Standards	2.7	4.4	
Certification Levels	0.1	0.4	

The following is the evaporative hydrocarbon emission standard (13 CCR Section 2433(b)(3)) and certification emission level for this engine family in grams per gallon of fuel tank capacity (g/gallon).

Evaporative Certification Method	HC Certification Level (g/gallon)	HC Certification Standard (g/gallon)		
Design Based	N/A	0.2		

BE IT FURTHER RESOLVED: That for the listed engines for the aforementioned model-year, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2433(c) (certification and test procedures), 13 CCR Section 2434 (emission control labels), and 13 CCR Sections 2435 and 2436 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this _____ day of December 2011.

Annette Hebert, Chief Mobile Source Operations Division

ATTACHMENT Pg 1 of 1

Model Year:2012Manufacturer Name:Buck's EnginesEngine Family:CBKSB08.0SCEOFF-ROAD LSI ENGINE SUPPLEMENTAL INFORMATION

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 Issued:
 11/07/2011

 Revised:
 E.O.#:

S12. MODEL SUMMARY (Use an asterisk (*) to identify worst-case engine model used for certification testing.)

S13.	S14.		S15.		S16.	S17.	S18.	S19.	S20.
Engine Model	Engine Code	Sales Codes (Check ALL appropriate)		Eng. Displ. (Liters)	Rated Power (ĸW)	Rated Speed (RPM)	Peak Torque (N-m)	Peak Torque Speed	
		Calif. Only	49- State	50- State	()	(()	()	(RPM)
LPG	BUCKS 8.0L			х	8.0	159.3	3000	563.9	1800
NG 1PR	BUCKS 8.0L			X	8.0	147	3000	525	1800
NG 2PR	BUCKS 8.0L			X	8.0	147	3000	525	1800
LP Vapor	BUCKS 8.0L			X	8.0	159.3	3000	563.9	1800
DF LPG 1PR	BUCKS 8.0L			х	8.0	159.3	3000	563.9	1800
DF LPG 2PR	BUCKS 8.0L			X	8.0	159.3	3000	563.9	1800
DF Vapor 1PR	BUCKS 8.0L			X	8.0	159.3	3000	563.9	1800
DF Vapor 2PR	BUCKS 8.0L			X	8.0	159.3	3000	563.9	1800
			ļ						