California Environmental Protection Agency AIR RESOURCES BOARD	ECI FUEL SYSTEMS	EXECUTIVE ORDER U-U-140-0021 New Off-Road Small Spark-Ignition Equipment

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 equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

ENGINE DESCRIPTION			
MANUFACTURER	**ENGINE FAMILY (E.O. NUMBER)**	**ENGINE SIZE (cc)**	**FUEL TYPE** (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
CUMMINS POWER GENERATION	BN5XS.3042GG (U-U-008-0206)	304	Gasoline

TBC = To Be Certified

EQUIPMENT DESCRIPTION			
MODEL YEAR	**EVAPORATIVE FAMILY**	**FUEL TANK SIZE (liters)**	**EQUIPMENT APPLICATION**
2011	CM12	See Attachments	Generator Set and Refueling/Transfer Pump

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Carbon Canister, Metal Tank	See Attachments

A. **ECS TYPE** (Venting Control Type/Tank Barrier Type): 1. **Venting Control Type and Code**:- Canister=C Sealed Tank=S Other=O 2. **Tank Barrier Type and Code**:- Metal=M Treated HDPE or PE=P Co-extruded=C Selar=L Nylon=N Acetal=A Other=O B. **EVAPORATIVE FAMILY 2-Letter CODE** (Venting Control Codes =C, S, O); (Tank Barrier Codes = M, P, C, L, N, A, O). **Note**: Always list venting control type or code first before tank barrier type or code. Do not use abbreviations for ECS types.

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day (g/m^2/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

*=not applicable	PERFORMANCE BASED (grams HC/day)		
STANDARD	**EVAPORATIVE FAMILY EMISSION LIMIT DIFFERENTIAL (EFELD)**	**EVAPORATIVE MODEL EMISSION LIMIT (EMEL)**	**CERTIFICATION LEVEL**
1.20 + 0.056*Tank Vol. (L)	5.53	= (STANDARD) – (EFELD)	1.5

BE IT FURTHER RESOLVED: That the evaporative model emission limit (EMEL), as applicable, is the diurnal emissions level declared by the manufacturer based on diurnal test results for a worst-case engine or equipment model within an evaporative family. No engine or equipment emissions within the evaporative family could be closer to its respective standard than the evaporative family emission limit differential (EFELD) calculated from the declared EMEL for the worst-case engine or equipment.

BE IT FURTHER RESOLVED: That the evaporative family emission limit differential (EFELD), as applicable, is an emission level differential between the effective standard level for a specific model representing the entire evaporative family and the EMEL declared for the specific model. It serves as the applicable evaporative emission standard for determining compliance on a corporate average basis of any equipment within this evaporative family under 13 CCR Sections 2754.1.

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

Equipment 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. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

Executed at El Monte, California on this 28 day of January 2011.

Annette Hebert, Chief
Mobile Source Operations Division

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Small Off-Road Evaporative Certification Database Form
(Supplementary Information)

MODEL SUMMARY

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S1. Worst Case (Check One)	S2. Engine or Equipment Model	S3. Sales Codes (check all appropriate)			S4. Engine Class (I or II)	S5. Fuel System (FI or CARB)	S6. Fuel Tank Vol. (Liters)		S7. Fuel Tank Internal Surface Area (m^2)	S8. Fuel Line Type	S9. Nominal Fuel Line Length[1] (mm)	S10. Fuel Line Inside Diameter (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control Executive Order
		CA Only	49-State	50-State			Total	Nominal								
✓	ELC36ON4.0			✓	II	CARB	138.02	130.74	2.43	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016
	FW18AON4.0			✓	II	CARB	77.74	73.58	1.37	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016
	FLW20ON4.0			✓	II	CARB	83.4	79	1.59	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016
	FW30BON4.0			✓	II	CARB	127.42	120.75	2.20	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016
	FR34ON4.0			✓	II	CARB	129.76	122.95	2.06	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016
	FR17ON4.0			✓	II	CARB	66.85	57.34	1.36	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016
	MP30ON4.0			✓	II	CARB	127.79	121.01	2.56	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	MP18ON4.0			✓	II	CARB	63.89	60.49	1.47	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	WW30ON4.0			✓	II	CARB	121.13	114.77	1.99	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	WW30SON4.0			✓	II	CARB	118.72	112.46	1.91	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017

	WW40ON4.0			✓	II	CARB	161.52	153.03	2.59	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	IND30ON4.0			✓	II	CARB	115.03	108.98	2.12	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	IND18ON4.0			✓	II	CARB	76.69	72.56.	1.57	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	VIN25ON4.0			✓	II	CARB	96.23	91.15	1.73	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	NM22ON4.0			✓	II	CARB	86.5	81.93	1.21	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	NM20ON4.0			✓	II	CARB	78.01	73.91	1.21	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	MR40ON4.0			✓	II	CARB	157.57	149.31	2.43	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-017
	KS30ON4.0			✓	II	CARB	109.77	104.28	1.96	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-016 Q-07-017
	FR20ON4.0			✓	II	CARB	75.70	71.91	1.52	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	SF20ON4.0			✓	II	CARB	74.30	70.58	1.29	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	MM12AON4.0			✓	II	CARB	45.42	43.14	.83	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	MM12BON4.0			✓	II	CARB	45.99	43.69	.94	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015a Q-07-016 Q-07-017
	ON7ON4.0			✓	II	CARB	26.53	25.20	.55	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-013a
	ON14ON4.0			✓	II	CARB	55.72	52.93	.94	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-013a
	ON20aON4.0			✓	II	CARB	76.95	73.10	1.21	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015b
	ON10ON4.0			✓	II	CARB	38.98	37.03	.70	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-013a

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	ON15ON4.0			✓	II	CARB	57.34	54.47	.95	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-013a
	ON20bON4.0			✓	II	CARB	75.7	71.91	1.20	Multi-layer	10058.4	6.35	BN5XS.3042GG	Exempt Metal	Q-09-019 Q-09-022 G-05-018	Q-07-015b