California Environmental Protection Agency AIR RESOURCES BOARD	JOHN DEERE	EXECUTIVE ORDER U-U-077-0029-1 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)
Kawasaki Heavy Industries, LTD.	See Attachment		Gasoline
Briggs & Stratton Corporation	See Attachment		
Kohler Company	See Attachment		

*** TBC = To Be Certified**

EQUIPMENT DESCRIPTION			
MODEL YEAR	**EVAPORATIVE FAMILY**	**FUEL TANK SIZE (liters)**	**EQUIPMENT APPLICATION**
2011	CC1	See Attachment	Lawn Tractor, Utility Vehicle, Residential and Commercial Turf Mower, Bunker Rake

EMISSION CONTROL SYSTEMS (ECS)	ENGINE and/or EQUIPMENT MODEL
Canister/Co-extruded	See Attachment

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 Sefar=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.

DESIGN BASED					
FUEL HOSE PERMEATION (grams ROG/m^2/day)		**FUEL TANK PERMEATION** (grams ROG/m^2/day)		**CARBON CANISTER BUTANE WORKING CAPACITY** (grams HC/liter)	
STANDARD	**CERTIFICATION LEVEL OR EXCUTIVE ORDER**	**STANDARD**	**CERTIFICATION LEVEL OR EXECUTIVE ORDER**	**STANDARD**	**CERTIFICATION LEVEL OR EXECUTIVE ORDER**
15	C-U-05-002, C-U-05-006, C-U-05-011, C-U-05-013, C-U-06-030, G-05-016, G-05-017A, G-05-018	2.5	*	1.4	C-U-07-010, C-U-06-015, Q-09-027

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.

This Executive Order hereby supersedes Executive Order U-U-077-0029 dated August 19, 2010.

Executed at El Monte, California on this 13 day of January 2011.

Annette Hebert, Chief
Mobile Source Operations Division

ATTACHMENT (Page 1 of 4)

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

MODEL SUMMARY

S1. Worst Case Check One	S2. Engine or Equipment Model	S3. Sales Codes (Check all appropriate) CA Only	49 State	50 State	S4. Engine Class (I or II)	Eng Disp. (cc)	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 (mm)	S10. Fuel Line Inside Dia. (mm)	S11. Exhaust Family	S12. Fuel Tank Executive Order	S13. Fuel Line Executive Order	S14. Carbon Canister or Other Venting Control EO
☐	1200A	☐	☐	✓	II	352	Carb	13.6	0.41	Multi-Layer	1625	6.35	AKAXS.4012CD BKAXS.4012CD	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-07-010
☐	D110	✓	✓	☐	II	500	Carb	9.1	0.35	Multi-Layer	1980	6.35	ABSXS.5002VV BBSXS.5002VV	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	D120	✓	✓	☐	II	540	Carb	9.1	0.35	Multi-Layer	1980	6.35	ABSXS.5402VL BBSXS.5402VL	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	D130	✓	✓	☐	II	724	Carb	9.1	0.35	Multi-Layer	2215	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	D140	✓	✓	☐	II	724	Carb	9.1	0.35	Multi-Layer	2215	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	D160	✓	✓	☐	II	724	Carb	9.1	0.35	Multi-Layer	2215	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016	C-U-06-015

													G-05-017A G-05-018	
☐	D170	☑ ☑ ☐	II	724	Carb	9.1	0.35	Multi-Layer	2215	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	TS GATOR	☐ ☐ ☑	II	352	Carb	18.9	0.54	Multi-Layer	1050	6.35	AKAXS.4012CD BKAXS.4012CD	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	TX GATOR	☑ ☑ ☐	II	401	Carb	18.9	0.54	Multi-Layer	1230	6.35	AKAXS.4012CC BKAXS.4012CC	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	TX Turf GATOR	☐ ☐ ☑	II	401	Carb	18.9	0.54	Multi-Layer	1230	6.35	AKAXS.4012CC BKAXS.4012CC	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	X300	☑ ☑ ☐	II	603	Carb	12.5	0.52	Multi-Layer	1875	6.35	AKAXS.6032CA BKAXS.6032CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	X304	☑ ☑ ☐	II	603	Carb	12.5	0.52	Multi-Layer	1875	6.35	AKAXS.6032CA BKAXS.6032CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	X320	☑ ☑ ☐	II	726	Carb	12.5	0.52	Multi-Layer	1900	6.35	AKAXS.7262CA BKAXS.7262CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	X500	☑ ☑ ☐	II	726	Carb	17	0.86	Multi-Layer	1900	6.35	AKAXS.7262CA BKAXS.7262CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	C-U-06-015
☐	Z225	☑ ☑ ☐	II	500	Carb	10.5	0.36	Multi-Layer	900	6.35	ABSXS.5002VV BBSXS.5002VV	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015

☐	Z245	☑ ☑ ☐	II	724	Carb	10.5	0.36	Multi-Layer	1170	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	Z425	☑ ☑ ☐	II	724	Carb	13.2	0.45	Multi-Layer	1170	6.35	ABSXS.7242VA BBSXS.7242VA	Exempt-coextruded	C-U-05-002 C-U-05-011 C-U-05-013 C-U-06-030 G-05-016 G-05-017A G-05-018	C-U-06-015
☐	Z710A	☑ ☑ ☐	II	674	Carb	23.4	0.94	Multi-Layer	1000	6.35	AKHXS.7252GC BKHXS.7252GC	Exempt-coextruded	C-U-05-013 G-05-017A G-05-018	Q-09-027
☐	Z920A	☑ ☑ ☐	II	726	Carb	42.3	1.20	Multi-Layer	1000	6.35	AKAXS.7262CC BKAXS.7262CC	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	Q-09-027
☐	Z925A	☑ ☑ ☐	II	852	Carb	42.3	1.20	Multi-Layer	850	6.35	AKAXS.8522CA BKAXS.8522CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	Q-09-027
☑	Z930A	☑ ☑ ☐	II	852	Carb	42.3	1.20	Multi-Layer	850	6.35	AKAXS.8522CA BKAXS.8522CA	Exempt-coextruded	C-U-05-006 C-U-05-011 C-U-05-013 G-05-017A G-05-018	Q-09-027

ENGINE DESCRIPTION			
MANUFACTURER	**ENGINE FAMILY (E.O. NUMBER)**	**ENGINE SIZE (cc)**	**FUEL TYPE** (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)
Kawasaki Heavy Industries, LTD.	AKAXS.4012CD (U-U-004-0436) AKAXS.6752CC (U-U-004-0437) AKAKS.8522CA (U-U-004-0424) AKAXS.4012CC (U-U-004-0446) AKAXS.4722CA (U-U-004-0450) AKAXS.7262CC (U-U-004-0421) AKAXS.7262CA (U-U-004-0419) AKAXS.6032CA (U-U-004-0440) BKAXS.4012CD (U-U-004-0485) BKAXS.7262CA (U-U-004-0477) BKAXS.8522CA (U-U-004-0480) BKAXS.4012CC (U-U-004-0483) BKAXS.6032CA (U-U-004-0475) BKAXS.7262CC (U-U-004-0484)	352, 401 675 852 401 472 726 726 603 352, 401 726 852 401 603 726	Gasoline
Briggs & Stratton Corporation	ABSXS.5002VV (U-U-002-0575) ABSXS.7242VA (U-U-002-0577) ABSXS.5402VL (U-U-002-0576) BBSXS.5002VV ((U-U-002-0635) BBSXS.7242VA ((U-U-002-627) BBSXS.5402VL ((U-U-002-628)	500 656, 724 540 500 724 540	
Kohler Company	AKHXS.7252GC (U-U-005-0316) BKHXS.7252GC (U-U-005-0341)	674, 725 725	