



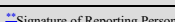


				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Number of Shares				
WARRANTS	\$ 0.4							(3)	06/30/2022	COMMON STOCK	14,285,714		14,285,714	D (1)	
WARRANTS	\$ 0.4							(3)	06/30/2022	COMMON STOCK	14,285,714		14,285,714	I	See Footnote (2)
WARRANTS	\$ 0.4							(3)	06/30/2022	COMMON STOCK	14,285,714		14,285,714	I	See Footnote (2)

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
ARMISTICE CAPITAL, LLC 510 MADISON AVENUE 7TH FLOOR NEW YORK, NY 10022	X	X		
Armistice Capital Master Fund Ltd. C/O DMS CORPORATE SERVICES LTD. 20 GENESIS CLOSE, P.O. BOX 314 GRAND CAYMAN, E9 KY1-1104		X		
Boyd Steven C/O ARMISTICE CAPITAL, LLC 510 MADISON AVENUE, 7TH FLOOR NEW YORK, NY 10022	X	X		

## Signatures

Armistice Capital, LLC By: /s/ Steven Boyd, Managing Member		11/15/2018
		Date
Armistice Capital Master Fund Ltd. By: /s/ Steven Boyd, Director		11/15/2018
		Date
/s/ Steven Boyd		11/15/2018
		Date

## Explanation of Responses:

\* If the form is filed by more than one reporting person, see Instruction 4(b)(v).

\*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

(1) The reported securities are directly owned by Armistice Capital Master Fund Ltd.

The reported securities are directly owned by Armistice Capital Master Fund Ltd., a Cayman Islands corporation, and may be deemed to be indirectly beneficially owned by Armistice Capital, LLC, as the investment manager of Armistice Capital Master Fund Ltd. The reported securities may also be deemed to be indirectly beneficially owned by Steven Boyd as Managing Member

(2) of Armistice Capital, LLC and Director of Armistice Capital Master Fund Ltd. Armistice Capital, LLC and Steven Boyd disclaim beneficial ownership of the reported securities except to the extent of their respective pecuniary interest therein, and this report shall not be deemed an admission that either of them are the beneficial owners of the securities for purposes of Section 16 of the Securities Exchange Act of 1934, as amended, or for any other purpose.

(3) These warrants are currently exercisable.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.