

# Appendix 3Y

## Change of Director's Interest Notice

*Information or documents not available now must be given to ASX as soon as available. Information and documents given to ASX become ASX's property and may be made public.*

Introduced 30/09/01 Amended 01/01/11

<b>Name of entity</b>	<b>Hydrocarbon Dynamics Limited</b>
<b>ABN</b>	<b>75 117 387 354</b>

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Stephen Mitchell
<b>Date of last notice</b>	1 July 2019
<b>Date of this notice</b>	7 May 2020

### Part 1 - Change of director's relevant interests in securities

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Direct or indirect interest</b>	Direct & Indirect
<b>Nature of indirect interest (including registered holder)</b> Note: Provide details of the circumstances giving rise to the relevant interest.	Malangi Pty Ltd (previously named Mawallok) – Mr Mitchell is a director of the Company
<b>Date of change</b>	4 May 2020
<b>No. of securities held prior to change</b>	7,500,000 fully paid ordinary shares  5,000,001 fully paid ordinary shares Stephen Mitchell and Serena Mitchell <SP Mitchell Super Fund A/C>  3,500,000 Incentive rights expiring 1 Sept 2021  <b>Indirect</b> 6,000,001 fully paid ordinary shares Malangi Pty Ltd
<b>Class</b>	Ordinary Shares

+ See chapter 19 for defined terms.

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<b>Number acquired</b>	<b>Indirect</b> 2,200,002 Rights Issue 17,117,079 Rights Issue Shortfall underwriting
<b>Number disposed</b>	500,000 off-market transfer
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$289,756.22
<b>No. of securities held after change</b>	<b>Direct</b>  6,000,002 Stephen Mitchell and Serena Mitchell <SP Mitchell Super Fund A/C>  3,500,000 Incentive rights expiring 1 Sept 2021  <b>Indirect</b> 31,317,081 fully paid ordinary shares Malangi Pty Ltd
<b>Nature of change</b> Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	Rights Issue, Rights Issue Shortfall and off-market transfer.

### Part 2 – Change of director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Detail of contract</b>	N/A
<b>Nature of interest</b>	N/A

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<b>Name of registered holder (if issued securities)</b>	N/A
<b>Date of change</b>	N/A
<b>No. and class of securities to which interest related prior to change</b> Note: Details are only required for a contract in relation to which the interest has changed	N/A
<b>Interest acquired</b>	N/A
<b>Interest disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and an estimated valuation	N/A
<b>Interest after change</b>	N/A

**Part 3 – +Closed period**

<b>Were the interests in the securities or contracts detailed above traded during a +closed period where prior written clearance was required?</b>	No
<b>If so, was prior written clearance provided to allow the trade to proceed during this period?</b>	N/A
<b>If prior written clearance was provided, on what date was this provided?</b>	N/A

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Introduced 30/09/01 Amended 01/01/11

<b>Name of entity</b>	Hydrocarbon Dynamics Limited
<b>ABN</b>	75 117 387 354

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Ray Shorrocks
<b>Date of last notice</b>	2 July 2019
<b>Date of this notice</b>	7 May 2020

### Part 1 - Change of director's relevant interests in securities

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Direct or indirect interest</b>	Direct and Indirect
<b>Nature of indirect interest (including registered holder)</b> Note: Provide details of the circumstances giving rise to the relevant interest.	Spring Street Holdings Pty Ltd – Mr Ray Shorrocks is a director of the Company Margot Shorrocks – related person Hamish Shorrocks – related person Sam Shorrocks – related person Stephanie Tetu – related person
<b>Date of change</b>	4 May 2020
<b>No. of securities held prior to change</b>	<b>Indirect</b> 3,010,000 fully paid ordinary shares 2,000,000 Incentive Rights, expiring 1 Sept 2021
<b>Class</b>	Ordinary Shares

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<b>Number acquired</b>	<b>Indirect</b> 566,000 – Rights issue acceptance 1,745,025 – Rights issue shortfall underwriting
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$34,665.38
<b>No. of securities held after change</b>	<b>Indirect</b> 5,321,025 fully paid ordinary shares 2,000,000 Incentive rights
<b>Nature of change</b> Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	Rights Issue and Rights Issue shortfall underwriting

**Part 2 – Change of director's interests in contracts**

Note: In the case of a company, interests which come within paragraph (ii) of the definition of “notifiable interest of a director” should be disclosed in this part.

<b>Detail of contract</b>	N/A
<b>Nature of interest</b>	N/A
<b>Name of registered holder (if issued securities)</b>	N/A

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<b>Date of change</b>	N/A
<b>No. and class of securities to which interest related prior to change</b> Note: Details are only required for a contract in relation to which the interest has changed	N/A
<b>Interest acquired</b>	N/A
<b>Interest disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and an estimated valuation	N/A
<b>Interest after change</b>	N/A

**Part 3 – <sup>+</sup>Closed period**

<b>Were the interests in the securities or contracts detailed above traded during a <sup>+</sup>closed period where prior written clearance was required?</b>	No
<b>If so, was prior written clearance provided to allow the trade to proceed during this period?</b>	N/A
<b>If prior written clearance was provided, on what date was this provided?</b>	N/A

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Introduced 30/09/01 Amended 01/01/11

<b>Name of entity</b>	<b>Hydrocarbon Dynamics Limited</b>
<b>ABN</b>	<b>75 117 387 354</b>

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Andrew Seaton
<b>Date of last notice</b>	16 August 2019
<b>Date of this notice</b>	7 May 2020

### Part 1 - Change of director's relevant interests in securities

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Direct or indirect interest</b>	Direct
<b>Nature of indirect interest (including registered holder)</b> Note: Provide details of the circumstances giving rise to the relevant interest.	
<b>Date of change</b>	4 May 2020
<b>No. of securities held prior to change</b>	2,225,350 fully paid ordinary shares Mr A Seaton and Mrs K Seaton ATF Seaton Super Fund  2,000,000 Incentive rights expiring 1 Sept 2021
<b>Class</b>	Ordinary Shares
<b>Number acquired</b>	445,070 fully paid ordinary shares
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$6676.05

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<b>No. of securities held after change</b>	2,670,420 fully paid ordinary shares Mr A Seaton and Mrs K Seaton ATF Seaton Super Fund  2,000,000 Incentive rights expiring 1 Sept 2021
<b>Nature of change</b> Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	Rights Issue acceptance

### Part 2 – Change of director's interests in contracts

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Detail of contract</b>	N/A
<b>Nature of interest</b>	N/A
<b>Name of registered holder (if issued securities)</b>	N/A
<b>Date of change</b>	N/A
<b>No. and class of securities to which interest related prior to change</b> Note: Details are only required for a contract in relation to which the interest has changed	N/A
<b>Interest acquired</b>	N/A
<b>Interest disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and an estimated valuation	N/A
<b>Interest after change</b>	N/A

### Part 3 – <sup>+</sup>Closed period

<b>Were the interests in the securities or contracts detailed above traded during a <sup>+</sup>closed period where prior written clearance was required?</b>	No
<b>If so, was prior written clearance provided to allow the trade to proceed during this period?</b>	N/A
<b>If prior written clearance was provided, on what date was this provided?</b>	N/A

<sup>+</sup> See chapter 19 for defined terms.



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Introduced 30/09/01 Amended 01/01/11

<b>Name of entity</b>	Hydrocarbon Dynamics Limited
<b>ABN</b>	75 117 387 354

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Nicholas Castellano
<b>Date of last notice</b>	27 August 2018
<b>Date of this notice</b>	7 May 2020

### Part 1 - Change of director's relevant interests in securities

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Direct or indirect interest</b>	Indirect
<b>Nature of indirect interest (including registered holder)</b> Note: Provide details of the circumstances giving rise to the relevant interest.	Titus Energy Ltd – Mr Castellano is a director of the Company
<b>Date of change</b>	4 May 2020
<b>No. of securities held prior to change</b>	5,371,281 Fully paid ordinary shares 1,500,000 incentive rights expiring 1 Sept 2021
<b>Class</b>	Ordinary Shares

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<b>Number acquired</b>	500,000
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> <small>Note: If consideration is non-cash, provide details and valuation</small>	\$7500.00
<b>No. of securities held after change</b>	6,168,140 Fully paid ordinary shares  1,500,000 Incentive rights expiring 1 Sept 2021
<b>Nature of change</b> <small>Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back</small>	Off-market transfer

**Part 2 – Change of director's interests in contracts**

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Detail of contract</b>	
<b>Nature of interest</b>	N/A
<b>Name of registered holder (if issued securities)</b>	N/A
<b>Date of change</b>	N/A

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<b>No. and class of securities to which interest related prior to change</b> Note: Details are only required for a contract in relation to which the interest has changed	N/A
<b>Interest acquired</b>	N/A
<b>Interest disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and an estimated valuation	N/A
<b>Interest after change</b>	N/A

**Part 3 – +Closed period**

<b>Were the interests in the securities or contracts detailed above traded during a +closed period where prior written clearance was required?</b>	No
<b>If so, was prior written clearance provided to allow the trade to proceed during this period?</b>	N/A
<b>If prior written clearance was provided, on what date was this provided?</b>	N/A

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Introduced 30/09/01 Amended 01/01/11

<b>Name of entity</b>	<b>Hydrocarbon Dynamics Limited</b>
<b>ABN</b>	<b>75 117 387 354</b>

We (the entity) give ASX the following information under listing rule 3.19A.2 and as agent for the director for the purposes of section 205G of the Corporations Act.

<b>Name of Director</b>	Allan Ritchie
<b>Date of last notice</b>	2 July 2019
<b>Date of this notice</b>	7 May 2020

### Part 1 - Change of director's relevant interests in securities

*In the case of a trust, this includes interests in the trust made available by the responsible entity of the trust*

Note: In the case of a company, interests which come within paragraph (i) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Direct or indirect interest</b>	Indirect
<b>Nature of indirect interest (including registered holder)</b> Note: Provide details of the circumstances giving rise to the relevant interest.	RAAR Capital Group Pty Ltd – Mr Ritchie is a director of the company Ritchie Capital Pty Ltd – Mr Ritchie is a director of the company
<b>Date of change</b>	4 May 2020
<b>No. of securities held prior to change</b>	2,666,037 – fully paid ordinary shares RAAR Capital Group Pty Ltd  90,716 – fully paid ordinary shares Ritchie Capital Pty Ltd <Allan Ritchie Superfund A/C>  1,500,000 - Incentive rights, expiring 1 Sept 2021. RAAR Capital Group Pty Ltd
<b>Class</b>	Ordinary shares Incentive rights

+ See chapter 19 for defined terms.

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<b>Number acquired</b>	533,208 – Rights Issue Acceptance RAAR Capital Group Pty Ltd  191,902 – Off-market transfer RAAR Capital Group Pty Ltd  18,144 – Rights Issue Acceptance Ritchie Capital Pty Ltd <Allan Ritchie Superfund A/C>
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$11,148.81
<b>No. of securities held after change</b>	3,391,147 – fully paid ordinary shares RAAR Capital Group Pty Ltd  108,860 – fully paid ordinary shares Ritchie Capital Pty Ltd <Allan Ritchie Superfund A/C>  1,500,000 - Incentive rights, expiring 1 Sept 2021. RAAR Capital Group Pty Ltd
<b>Nature of change</b> Example: on-market trade, off-market trade, exercise of options, issue of securities under dividend reinvestment plan, participation in buy-back	Rights issue and off market trade

**Part 2 – Change of director's interests in contracts**

Note: In the case of a company, interests which come within paragraph (ii) of the definition of "notifiable interest of a director" should be disclosed in this part.

<b>Detail of contract</b>	N/A
<b>Nature of interest</b>	N/A
<b>Name of registered holder (if issued securities)</b>	N/A
<b>Date of change</b>	N/A
<b>No. and class of securities to which interest related prior to change</b> Note: Details are only required for a contract in relation to which the interest has changed	N/A
<b>Interest acquired</b>	N/A

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<b>Interest disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and an estimated valuation	N/A
<b>Interest after change</b>	N/A

**Part 3 – +Closed period**

<b>Were the interests in the securities or contracts detailed above traded during a +closed period where prior written clearance was required?</b>	No
<b>If so, was prior written clearance provided to allow the trade to proceed during this period?</b>	N/A
<b>If prior written clearance was provided, on what date was this provided?</b>	N/A

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# Form 604

Corporations Act 2001  
Section 671B

## Notice of change of interests of substantial holder

To Company Name/Scheme Hydrocarbon Dynamics Limited

ACN/ARSN 75 117 387 354

### 1. Details of substantial holder(1)

Name Stephen Mitchell

ACN/ARSN (if applicable) \_\_\_\_\_

There was a change in the interests of the substantial holder on 4/05/2020

The previous notice was given to the company on 28/06/2019

The previous notice was dated 28/06/2019

### 2. Previous and present voting power

The total number of votes attached to all the voting shares in the company or voting interests in the scheme that the substantial holder or an associate (2) had a relevant interest (3) in when last required, and when now required, to give a substantial holding notice to the company or scheme, are as follows:

Class of securities (4)	Previous notice		Present notice	
	Person's votes	Voting power (5)	Person's votes	Voting power (5)
Ordinary Shares	18,500,002	7.31%	37,317,083	11.02%

### 3. Changes in relevant interests

Particulars of each change in, or change in the nature of, a relevant interest of the substantial holder or an associate in voting securities of the company or scheme, since the substantial holder was last required to give a substantial holding notice to the company are as follows:

Date of change	Person whose relevant interest changed	Nature of change (6)	Consideration given in relation to change (7)	Class and number of securities affected	Person's votes affected
4/5/20	S Mitchell	Off-market sale	(\$7500.00)	(500,000)	(500,000)
4/5/20	S Mitchell	Rights Issue	\$15,000.02	Ordinary Shares 1,000,001	1,000,001
4/5/20	Malangi Pty Ltd	Rights Issue	\$18,000.02	Ordinary Shares 1,200,001	1,200,001
4/5/20	Malangi Pty Ltd	Rights Issue Shortfall	\$256,756.18	Ordinary Shares 17,117,079	17,117,079

### 4. Present relevant interests

Particulars of each relevant interest of the substantial holder in voting securities after the change are as follows:

Holder of relevant interest	Registered holder of securities	Person entitled to be registered as holder (8)	Nature of relevant interest (6)	Class and number of securities	Person's votes
Stephen & Serena Mitchell	S & S Mitchell ATF SP Mitchell Super Fund	S & S Mitchell ATF SP Mitchell Super Fund	Controls registered holder (section 608 (3)(b))	6,000,002	6,000,002
Malangi Pty Ltd	Malangi Pty Ltd	Malangi Pty Ltd	Controls registered holder (section 608 (3)(b))	31,317,801	31,317,081

**5. Changes in association**

The persons who have become associates (2) of, ceased to be associates of, or have changed the nature of their association (9) with, the substantial holder in relation to voting interests in the company or scheme are as follows:

Name and ACN/ARSN (if applicable)	Nature of association
N/A	

**6. Addresses**

The addresses of persons named in this form are as follows:

Name	Address
Stephen Mitchell	PO Box 16059, Collins Street West, Vic. 8007

**Signature**

print name Stephen Mitchell capacity Director

sign here  date 7 / 5 / 2020

**DIRECTIONS**

- (1) If there are a number of substantial holders with similar or related relevant interests (eg. a corporation and its related corporations, or the manager and trustee of an equity trust), the names could be included in an annexure to the form. If the relevant interests of a group of persons are essentially similar, they may be referred to throughout the form as a specifically named group if the membership of each group, with the names and addresses of members is clearly set out in paragraph 6 of the form.
- (2) See the definition of "associate" in section 9 of the Corporations Act 2001.
- (3) See the definition of "relevant interest" in sections 608 and 671B(7) of the Corporations Act 2001.
- (4) The voting shares of a company constitute one class unless divided into separate classes.
- (5) The person's votes divided by the total votes in the body corporate or scheme multiplied by 100.
- (6) Include details of:
  - (a) any relevant agreement or other circumstances because of which the change in relevant interest occurred. If subsection 671B(4) applies, a copy of any document setting out the terms of any relevant agreement, and a statement by the person giving full and accurate details of any contract, scheme or arrangement, must accompany this form, together with a written statement certifying this contract, scheme or arrangement; and
  - (b) any qualification of the power of a person to exercise, control the exercise of, or influence the exercise of, the voting powers or disposal of the securities to which the relevant interest relates (indicating clearly the particular securities to which the qualification applies).

See the definition of "relevant agreement" in section 9 of the Corporations Act 2001.
- (7) Details of the consideration must include any and all benefits, money and other, that any person from whom a relevant interest was acquired has, or may, become entitled to receive in relation to that acquisition. Details must be included even if the benefit is conditional on the happening or not of a contingency. Details must be included of any benefit paid on behalf of the substantial holder or its associate in relation to the acquisitions, even if they are not paid directly to the person from whom the relevant interest was acquired.
- (8) If the substantial holder is unable to determine the identify of the person (eg. if the relevant interest arises because of an option) write "unknown".
- (9) Give details, if appropriate, of the present association and any change in that association since the last substantial holding notice.