

# 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>	7 May 2020
<b>Date of this notice</b>	24 November 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>	23 November 2020
<b>No. of securities held prior to change</b>	6,000,002 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> 31,347,081 fully paid ordinary shares Malangi Pty Ltd
<b>Class</b>	1. Fully paid ordinary Shares 2. Unlisted options exercisable @ \$0.03, expiring 31 October 2022

+ See chapter 19 for defined terms.

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<b>Number acquired</b>	<p><b><u>Direct</u></b>  1,200,000 Fully paid ordinary shares  600,000 Unlisted options</p> <p><b><u>Indirect</u></b>  6,263,416 Fully paid ordinary shares  3,131,708 Unlisted options</p>
<b>Number disposed</b>	Nil
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$149,268
<b>No. of securities held after change</b>	<p><b><u>Direct</u></b>  7,200,002 fully paid ordinary shares  Stephen Mitchell and Serena Mitchell &lt;SP Mitchell Super Fund A/C&gt;</p> <p>600,000 Unlisted options exercisable @ \$0.03, expiring 31 October 2022</p> <p>3,500,000 Incentive rights expiring 1 Sept 2021</p> <p><b><u>Indirect</u></b>  37,610,497 fully paid ordinary shares  Malangi Pty Ltd</p> <p>3,131,708 Unlisted options exercisable @ \$0.03, expiring 31 October 2022  Malangi Pty Ltd</p>
<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

**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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<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>	7 May 2020
<b>Date of this notice</b>	24 November 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>	23 November 2020
<b>No. of securities held prior to 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>Class</b>	Fully paid ordinary shares Unlisted options exercisable @ \$0.03, expiring 31 October 2022

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<b>Number acquired</b>	700,901 – Fully paid ordinary shares 350,451 – Unlisted options
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$14,018
<b>No. of securities held after change</b>	<p>RAAR Capital Group Pty Ltd</p> <ul style="list-style-type: none"> <li>- 4,069,377 fully paid ordinary shares</li> <li>- 339,115 Unlisted options exercisable @ \$0.03 expiring 31 October 2022</li> </ul> <p>Ritchie Capital Pty Ltd &lt;Allan Ritchie Superfund A/C&gt;</p> <ul style="list-style-type: none"> <li>- 131,532 fully paid ordinary shares</li> <li>- 11,336 Unlisted options exercisable @ \$0.03 expiring 31 October 2022</li> </ul> <p>RAAR Capital Group Pty Ltd</p> <ul style="list-style-type: none"> <li>- 1,500,000 - Incentive rights, expiring 1 Sept 2021.</li> </ul>
<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

### 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

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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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<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>	13 October 2020
<b>Date of this notice</b>	24 November 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>	23 November 2020
<b>No. of securities held prior to change</b>	2,670,420 fully paid ordinary shares Mr A Seaton and Mrs K Seaton ATF Seaton Super Fund  885,484 fully paid ordinary shares Mr A Seaton ATF Seaton Family Trust  2,000,000 Incentive rights expiring 1 Sept 2021
<b>Class</b>	1. Fully paid ordinary Shares 2. Unlisted options exercisable @ \$0.03, expiring 31 October 2022

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<b>Number acquired</b>	711,181 fully paid ordinary shares 355,591 Unlisted options
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$14,224
<b>No. of securities held after change</b>	Mr A Seaton and Mrs K Seaton ATF Seaton Super Fund <ul style="list-style-type: none"> <li>- 3,204,504 fully paid ordinary shares</li> <li>- 267,042 Unlisted options exercisable @ \$0.03, expiring 31 October 2022</li> </ul> Mr A Seaton and Mrs K Seaton ATF Seaton Super Fund <ul style="list-style-type: none"> <li>- 1,062,581 fully paid ordinary shares</li> <li>- 88,549 Unlisted options exercisable @ \$0.03, expiring 31 October 2022</li> </ul>
<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

### 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

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<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>	Ray Shorrocks
<b>Date of last notice</b>	7 May 2020
<b>Date of this notice</b>	24 November 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.	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>	23 November 2020
<b>No. of securities held prior to change</b>	5,321,025 fully paid ordinary shares 2,000,000 Incentive Rights, expiring 1 Sept 2021
<b>Class</b>	1. Ordinary Shares 2. Unlisted options exercisable @ \$0.03, expiring 31 October 2022

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<b>Number acquired</b>	1,028,205 – Rights issue acceptance 514,103 – Unlisted options
<b>Number disposed</b>	N/A
<b>Value/Consideration</b> Note: If consideration is non-cash, provide details and valuation	\$20,564
<b>No. of securities held after change</b>	<ul style="list-style-type: none"> <li>- 6,349,230 fully paid ordinary shares</li> <li>- 514,103 Unlisted options exercisable @ \$0.03, expiring 31 October 2022</li> <li>- 2,000,000 Incentive rights</li> </ul>
<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

**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 – +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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