AMARIN CORP PLC\UK Form SC 13G November 14, 2011

#### SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

### SCHEDULE 13G

#### INFORMATION STATEMENT PURSUANT TO RULES 13d-1 AND 13d-2 UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. )\*

Amarin Corporation plc (Name of Issuer)

Ordinary Shares, 50 pence par value per share (Title of Class of Securities)

> 023111206\*\* (CUSIP Number)

November 2, 2011 (Date of event which requires filing of this statement)

Check the appropriate box to designate the rule pursuant to which this Schedule 13G is filed:

"Rule 13d-1(b) xRule 13d-1(c) "Rule 13d-1(d)

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\*\*There is no CUSIP number assigned to the Ordinary Shares of the Company (as defined below). CUSIP number 023111206 has been assigned to the American Depositary Shares ("ADS") of the Company, which are quoted on The NASDAQ Global Market under the symbol "AMRN." Each ADS represents 1 Ordinary Share.

The information required in the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

<sup>\*</sup>The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

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1	NAMES OF REPORTING PERSONS		
	Ardsley Partners Fund II, L.P.		
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o (b) x	
3 4 NUMBER OF	SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION Delaware 5 SOLE VOTING POWER	(0) x	
SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	0 6 SHARED VOTING POWER 3,020,800 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 3,020,800		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON		
10	3,020,800 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES " CERTAIN SHARES		
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)		
12	2.22% TYPE OF REPORTING PERSON PN		

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1	NAMES OF REPORTING PERSONS			
	Ardsley Partners Institutional Fund, L.P.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o		
		(b) x		
3	SEC USE ONLY			
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	Delaware			
NUMBER OF	5 SOLE VOTING POWER			
	0			
SHARES	,6 SHARED VOTING POWER			
BENEFICIALLY	2,384,500			
OWNED BY	7 SOLE DISPOSITIVE POWER			
EACH REPORTING PERSON WITH	0			
	8 SHARED DISPOSITIVE POWER			
	2,384,500			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSO			
	2,384,500			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES			
	CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	1.76%			
12	TYPE OF REPORTING PERSON			
	PN			

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NAMES OF REPORTING PERSONS			
Ardsley Offsho	re Fund, Ltd.		
CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o (b) x	
SEC USE ONL	Y	~ /	
CITIZENSHIP	OR PLACE OF ORGANIZATION		
British Virgin I	slands		
5	SOLE VOTING POWER		
	0		
.6	SHARED VOTING POWER		
	194,700		
7	SOLE DISPOSITIVE POWER		
	0		
8	SHARED DISPOSITIVE POWER		
	194,700		
AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPO		RTING PERSON	
194,700			
		ES "	
CERTAIN SHARES			
	CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	ORTING PERSON		
CO			
	Ardsley Offsho CHECK THE A SEC USE ONL CITIZENSHIP British Virgin I 5 ,6 7 8 AGGREGATE 194,700 CHECK BOX I CERTAIN SHA PERCENT OF 0.14% TYPE OF REP	Ardsley Offshore Fund, Ltd. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION British Virgin Islands 5 SOLE VOTING POWER 0 6 SHARED VOTING POWER 194,700 7 SOLE DISPOSITIVE POWER 0 8 SHARED DISPOSITIVE POWER 194,700 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPOH 194,700 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDI CERTAIN SHARES PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9) 0.14% TYPE OF REPORTING PERSON	

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1	NAMES OF RE	EPORTING PERSONS		
	Ardsley Partner	s Renewable Energy Fund, L.P.		
2	CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o	
			(b) x	
3	SEC USE ONLY			
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	Delaware			
NUMBER OF	5	SOLE VOTING POWER		
SHARES		0		
BENEFICIALLY	,6	SHARED VOTING POWER		
OWNED BY		148,600		
EACH	7	SOLE DISPOSITIVE POWER		
REPORTING		0		
PERSON WITH	8	SHARED DISPOSITIVE POWER		
		148,600		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	148,600			
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUD		ES		
	CERTAIN SHARES			
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.11%			
12	TYPE OF REPO	ORTING PERSON		
	PN			

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1	NAMES OF REPORTING PERSONS			
	Ardsley Renewable Energy Offshore Fund, Ltd.			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o		
		(b) x		
3	SEC USE ONLY			
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	British Virgin Islands			
NUMBER OF	5 SOLE VOTING POWER			
	0			
SHARES BENEFICIALLY	,6 SHARED VOTING POWER			
. –	10,700			
OWNED BY	7 SOLE DISPOSITIVE POWER			
EACH REPORTING PERSON WITH	0			
	8 SHARED DISPOSITIVE POWER			
	10,700			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	10,700			
10	CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDE	ES "		
	CERTAIN SHARES			
11	PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	0.01%			
12	TYPE OF REPORTING PERSON			
	СО			

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1	NAMES OF REPORTING PERSONS			
	Ardsley Advisory Partners			
2	CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o		
		(b) x		
3	SEC USE ONLY			
4	CITIZENSHIP OR PLACE OF ORGANIZATION			
	New York			
NUMBER OF	5 SOLE VOTING POWER			
SHARES	0			
BENEFICIALLY	<sup>76</sup> SHARED VOTING POWER			
OWNED BY	5,810,000			
EACH	7 SOLE DISPOSITIVE POWER			
REPORTING	0			
PERSON WITH	8 SHARED DISPOSITIVE POWER			
	5,810,000			
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON			
	5,810,000			
10 CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EX		is		
	CERTAIN SHARES			
11	1 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)			
	4.28%			
12	TYPE OF REPORTING PERSON			
	PN; IA			

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1	NAMES OF REPORTING PERSONS			
	Ardsley Partner	rs I		
2	CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o	
			(b) x	
3	SEC USE ONL	Y		
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	New York			
	5	SOLE VOTING POWER		
NUMBER OF		0		
SHARES	,6	SHARED VOTING POWER		
BENEFICIALLY		5,553,900		
OWNED BY	7	SOLE DISPOSITIVE POWER		
EACH REPORTING		0		
	8	SHARED DISPOSITIVE POWER		
PERSON WITH		5,553,900		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING		<b>RTING PERSON</b>	
	5,553,900			
10	CHECK BOX	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUD	ES "	
	CERTAIN SHARES			
11 PERCENT OF CLASS REPRESENTED BY AMOU		CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	4.09%			
12	TYPE OF REP	ORTING PERSON		
	PN			

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1	NAMES OF REPORTING PERSONS			
	Philip J. Hempl	eman		
2	CHECK THE A	APPROPRIATE BOX IF A MEMBER OF A GROUP	(a) o	
			(b) x	
3	SEC USE ONL	Y		
4	CITIZENSHIP	OR PLACE OF ORGANIZATION		
	United States			
NUMBER OF	5	SOLE VOTING POWER		
		0		
SHARES BENEFICIALLY	,6	SHARED VOTING POWER		
		7,195,000		
OWNED BY	7	SOLE DISPOSITIVE POWER		
EACH REPORTING PERSON WITH		0		
	8	SHARED DISPOSITIVE POWER		
		7,195,000		
9	AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSO		<b>TING PERSON</b>	
	7,195,000			
10	CHECK BOX	IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUD	ES "	
	CERTAIN SHARES			
11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN R		CLASS REPRESENTED BY AMOUNT IN ROW (9)		
	5.30%			
12	TYPE OF REP	ORTING PERSON		
	IN			

CUSIP No. 023111206 13G Page 10 of 19 Pages Item 1 (a). NAME OF ISSUER: The name of the issuer is Amarin Corporation plc (the "Company"). Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES: 2 Pembroke House, Upper Pembroke Street 28-32, Dublin 2, Ireland. Item 2 (a). NAME OF PERSON FILING: This statement is filed by: (i) Ardsley Partners Fund II, L.P., a Delaware limited partnership ("AP II"), with respect to the Ordinary Shares held as American depository shares, each representing one Ordinary Share, 50 pence par value per share ("American Depository Shares") directly owned by it; (ii) Ardsley Partners Institutional Fund, L.P., a Delaware limited partnership ("Ardsley Institutional"), with respect to the Ordinary Shares held as American Depository Shares directly owned by it; Ardsley Offshore Fund, Ltd., a British Virgin Islands corporation (iii) ("Ardsley Offshore"), with respect to the Ordinary Shares held as American Depository Shares directly owned by it; (iv) Ardsley Partners Renewable Energy Fund, L.P., a Delaware limited partnership ("Ardsley Energy"), with respect to the Ordinary Shares held as American Depository Shares directly owned by it; (v) Ardsley Renewable Energy Offshore Fund, Ltd., a British Virgin Islands Corporation ("Ardsley Energy Offshore"), with respect to the Ordinary Shares held as American Depository Shares directly owned by it; (vi) Ardsley Advisory Partners, a New York general partnership ("Ardsley") which serves as Investment Manager of Ardsley Offshore and Ardsley Energy Offshore and as Investment Adviser of AP II, Ardsley Institutional, Ardsley Energy and a certain managed account, with respect to the Ordinary Shares held as American Depository Shares directly owned by Ardsley Offshore, Ardsley Energy Offshore, AP II, Ardsley Institutional, Ardsley Energy and a certain managed account;

Ardsley Partners I, a New York general partnership ("Ardsley Partners") which serves as General Partner of AP II, Ardsley Institutional and Ardsley Energy with respect to the Ordinary Shares held as American Depository Shares directly owned by AP II, Ardsley Institutional and Ardsley Energy; and

Philip J. Hempleman ("Mr. Hempleman"), the Managing Partner of Ardsley and Ardsley Partners, with respect to the Ordinary Shares held as American Depository Shares owned by AP II, Ardsley Institutional, Ardsley Energy, Ardsley Offshore, Ardsley Energy Offshore and the managed account and with respect to the Ordinary Shares held as American Depository Shares owned by certain accounts managed by him directly.

(viii)

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The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

The signing of this statement should not be construed as an admission that any Reporting Person is, for the purposes of Section 13 of the Act, the beneficial owner of the Ordinary Shares reported herein.

Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE:

The address of the business office of each of the Reporting Persons, with the exception of Ardsley Offshore and Ardsley Energy Offshore is 262 Harbor Drive, Stamford, Connecticut 06902.

The address of the registered office of Ardsley Offshore and Ardsley Energy Offshore is Romasco Place, Wickhams Cay 1, Road Town Tortola, British Virgin Islands.

#### Item 2(c). CITIZENSHIP:

AP II, Ardsley Institutional and Ardsley Energy are Delaware limited partnerships. Ardsley Offshore and Ardsley Energy Offshore are British Virgin Islands corporations. Ardsley and Ardsley Partners are New York general partnerships. Mr. Hempleman is a United States citizen.

Item 2(d). TITLE OF CLASS OF SECURITIES:

Ordinary Shares, 50 pence par value per share (the "Ordinary Shares").

Item 2(e). CUSIP NUMBER:

023111206\*\*

<sup>\*\*</sup>There is no CUSIP number assigned to the Ordinary Shares of the Company. CUSIP number 023111206 has been assigned to the American Depositary Shares ("ADS") of the Company, which are quoted on The NASDAQ Global Market under the symbol "AMRN." Each ADS represents 1 Ordinary Share.

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### Item 3. IF THIS STATEMENT IS FILED PURSUANT TO §§ 240.13d-1(b) OR 240.13d-2(b) OR (c), CHECK WHETHER THE PERSON FILING IS A:

- (a) "Broker or dealer registered under Section 15 of the Act (15 U.S.C. 780);
- (b) "Bank as defined in Section 3(a)(6) of the Act (15 U.S.C. 78c);
- (c) "Insurance company as defined in Section 3(a)(19) of the Act (15 U.S.C. 78c);
- (d) "Investment company registered under Section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);
- (e) "Investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) " Employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g) "Parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) "Savings association as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) " Church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act (15 U.S.C. 80a-3);
- (j) "Non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) "Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please specify the type of institution:

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#### Item 4. OWNERSHIP.

A. Ardsley Partners Fund II, L.P.

(a)	Amount beneficially own	ned: 3,020,800
(b)	Percent of class: 2.22%	. (The percentages used herein and in the rest of
		based upon the 135,502,062 Ordinary Shares Depository Shares, each representing one Ordinary
	Share, 50 pence par v	value per share, and 315,480 Ordinary Shares
	outstanding as per the O	Company's Form 10-Q as of November 3, 2011, as
	filed with the Securities a	and Exchange Commission on November 8, 2011.)
(c)	(i)	Sole power to vote or direct the vote: 0
	(ii)	Shared power to vote or direct the vote: 3,020,800
	(iii)	Sole power to dispose or direct the disposition: 0
	(iv)	Shared power to dispose or direct the disposition of: 3,020,800

B. Ardsley Partners Institutional Fund, L.P.

(a)	Amount benefic	cially owned: 2,384,500
(b)	Percent of class	s: 1.76%.
(c)	(i)	Sole power to vote or direct the vote: 0
	(ii)	Shared power to vote or direct the vote: 2,384,500
	(iii)	Sole power to dispose or direct the disposition: 0
	(iv)	Shared power to dispose or direct the disposition of: 2,384,500

## C. Ardsley Offshore Fund, Ltd.

(a)	Amount benefic	cially owned: 194,700
(b)	Percent of class	: 0.14%.
(c)	(i)	Sole power to vote or direct the vote: 0
	(ii)	Shared power to vote or direct the vote: 194,700
	(iii)	Sole power to dispose or direct the disposition: 0
	(iv)	Shared power to dispose or direct the disposition
		of: 194,700

#### D. Ardsley Partners Renewable Energy Fund, L.P.

(a)	Amount benefi	cially owned: 148,600
(b)	Percent of clas	s: 0.11%.
(c)	(i)	Sole power to vote or direct the vote: 0
	(ii)	Shared power to vote or direct the vote: 148,600
	(iii)	Sole power to dispose or direct the disposition: 0
	(iv)	Shared power to dispose or direct the disposition
		of: 148,600

- E. Ardsley Renewable Energy Offshore Fund, Ltd.
  - (a) Amount beneficially owned: 10,700

- (b) Percent of class: 0.01%.
   (c) (i)
  - (i) Sole power to vote or direct the vote: 0
    (ii) Shared power to vote or direct the vote: 10,700
    (iii) Sole power to dispose or direct the disposition: 0
    (iv) Shared power to dispose or direct the disposition of: 10,700

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F. Ardsley Advisory Partners (a) (b) (c)	Amount beneficially Percent of class: 4.28 (i) (ii) (iii) (iii) (iv)	
G. Ardsley Partners I (a) (b) (c)	Amount beneficially Percent of class: 4.09 (i) (ii) (iii) (iii) (iv)	
H. Philip J. Hempleman (a) (b) (c)	Amount beneficially Percent of class: 5.30 (i) (ii) (iii) (iii) (iv)	

#### Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS.

Not applicable.

Item 6.

# OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON.

Ardsley, the Investment Manager of Ardsley Offshore, Ardsley Energy Offshore and the Investment Adviser of a certain managed account, has the power to vote and direct the disposition of the proceeds from the sale of the Ordinary Shares held as American Depository Shares owned by Ardsley Offshore, Ardsley Energy Offshore and the certain managed account and accordingly may be deemed the direct "beneficial owner" of such Ordinary Shares.

Ardsley, the Investment Adviser of AP II, Ardsley Institutional and Ardsley Energy shares the power to vote and direct the disposition of the proceeds from the sale of the Ordinary Shares held as American Depository Shares owned by AP II, Ardsley Institutional and Ardsley Energy and, accordingly, may be deemed the direct "beneficial owner" of such Ordinary Shares.

Ardsley Partners, the General Partner of AP II, Ardsley Institutional and Ardsley Energy, shares the power to vote and direct the disposition of the Ordinary Shares held as American Depository Shares owned by AP II, Ardsley Institutional and Ardsley Energy and, accordingly, may be deemed the direct "beneficial owner" of such Ordinary Shares.

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Mr. Hempleman is the Managing Partner of Ardsley and Ardsley Partners and in that capacity directs their operations and therefore may be deemed to be the indirect "beneficial owner" of the Ordinary Shares owned by Ardsley Offshore, Ardsley Energy Offshore, AP II, Ardsley Institutional, Ardsley Energy and the certain managed account. Mr. Hempleman disclaims beneficial ownership of all of the Ordinary Shares reported in this 13G.

#### Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY.

Not applicable.

Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP.

Not applicable.

Item 9. NOTICE OF DISSOLUTION OF GROUP.

Not applicable.

Item 10. CERTIFICATION.

Each of the Reporting Persons hereby makes the following certification:

By signing below I certify, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business, were not acquired for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired in connection with or as a participant in any transaction having such purposes or effect.

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#### SIGNATURES

After reasonable inquiry and to the best of their knowledge and belief, the undersigned certify that the information set forth in this statement is true, complete and correct.

Dated as of November 14, 2011

## ARDSLEY PARTNERS FUND II, L.P.

- BY: ARDSLEY PARTNERS I, GENERAL PARTNER
- By: /s/ Steve Napoli Steve Napoli General Partner

### ARDSLEY PARTNERS INSTITUTIONAL FUND, L.P.

BY: ARDSLEY PARTNERS I,