

Petroineos Manufacturing Scotland Limited

Annual report and financial statements

Registered number SC 010612

31 December 2017

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Strategic report for the year ended 31 December 2017

The directors present their strategic report on Petroineos Manufacturing Scotland Limited for the year ended 31 December 2017.

Review of business and future developments

Petroineos Manufacturing Scotland Limited operates a refinery in Grangemouth, Scotland. The principal refining products are LPG's, chemical feedstocks, transport fuels, heating and fuel oils.

Safety performance during 2017 was in line with the historical average, there was one serious incident during the period involving a pump fire on the Benzene Recovery Unit. Environmental performance was very good with record low figures for air quality issues and flaring events. During 2017, the Refinery received two new Improvement Notice from the HSE, which have both been closed out in a timely manner.

The Refinery operated well throughout the year with high availability broadly in line with the plan. There was one major turnaround, on the Fluid Catalytic Cracker (FCCU), which was completed ahead of the plan during Quarter 2, 2017. Refining margins during 2017 were higher than plan; coupled with the good availability all the annual financial targets were achieved.

The longer-term outlook for European Refining remains challenging in the current economic climate, the directors believe the steps that have already been taken to reduce overheads have paved the way to restoring sustained profitability and improving cash flow in the long term. Client loyalty has been retained in difficult conditions, with continued expansion of the wholesale business, and there is every reason to believe that, as growth continues the Company can build on the foundations established. The Company, in the meantime, continues its policy of continuous development, both in terms of its product range and its market reach with a significant volume of road transport fuels now exported to the Northern Ireland market via the Finnart Ocean Terminal.

Strategy

The Company's aim is to operate the Refinery safely with high availability whilst reducing operating costs from the historic levels. The Refinery has put in place an improvement plan based on the 2014 Solomon benchmarking report, issued in 2015. The Refinery delivered the majority of the 2017 targets associated with these plans. The longer-term objective is to achieve sustained revenue growth at a rate consistent with the 5-year plan level. The business is continuing to assess development options to improve the refinery yield profile, energy performance and reduce the fuel oil product yield. The strategic aim is to reposition the refinery to a first quartile European performance on cost of production of transport fuels over the next 5 -10 years.

Strategic report for the year ended 31 December 2017 (continued)

Key performance indicators (KPI's)

Under the terms of the tolling agreement with Petroineos Trading Limited the charges levied reflect both the operational performance of the Hydrocracker (HCU) and Fluid Catalytic Cracker (FCCU) and the effectiveness of performing turnarounds on these units and as such management have identified these as a key performance indicator for measurement.

The performance versus targets for 2017 were as follows:

	Target	Actual
Availability % HCU	89.87	90.41
Availability % FCCU	98.68	95.96

Principal risks and uncertainties

From the perspective of the Company, the principal risks and uncertainties are integrated with the principal risks of the Group and are not managed separately. Accordingly, the principal risks and uncertainties of Petroineos Refining Limited, which include those of the Company, are discussed in the Group's annual report which does not form part of this report.

By order of the board



Russell Mann
Director
27th September 2018

Directors' report for the year ended 31 December 2017

The directors present their report and audited financial statements of the Company for the year ended 31 December 2017.

Principal activities

The Company is engaged in the toll refining of petroleum products.

Results and dividends

The profit before taxation was £25,291,000 (2016: profit of £2,520,000). The directors do not propose the payment of a dividend (2016: £nil).

Future developments

Future developments are discussed in the Strategic Report.

Financial risk management

The Company and its parent company, Petroineos Refining Limited are reliant on funding from Petroineos Trading Limited to meet the anticipated needs of the company. As at 31 December 2017, the Petroineos Trading Group had available bank credit facilities of \$5,095 million of which \$614 million were utilised in the form of loans and \$541 million utilised in the form of letters of credit.

The parent company, Petroineos Refining Limited, has indicated that it will continue to financially support the Company and assist it in meeting the Company's liabilities as and when they fall due to the extent that funding is not otherwise available to the Company.

Going concern

The Company meets its day-to-day working capital requirements through its inter-company current account facility. The Company's forecasts and projections, taking into account of reasonably possible changes in trading performance, show that the Company should be able to operate within the level of its current facilities. After making enquiries, notwithstanding the Net Current Liabilities of £172.6 million, the directors have a reasonable expectation that the Company has adequate resources to continue in operational existence for the foreseeable future. The Company therefore continues to adopt the going concern basis in preparing its financial statements.

The parent company, Petroineos Refining Limited, has indicated that it will continue to financially support the Company and assist it in meeting the Company's liabilities as and when they fall due to the extent that funding is not otherwise available to the Company.

Directors

The directors who held office during the year and up to the date of signing the financial statements were as follows:

Si Bingjun	Resigned 4 October 2017
J Chwu	Resigned 13 July 2017
G Wang	Appointed 4 October 2017
G Hepburn	Appointed 4 October 2017
Y Lianguo	Resigned 4 October 2017
Y Luo	
R E Mann	
X Zhang	Appointed 4 October 2017

Directors' report for the year ended 31 December 2017 (continued)

Employees

The Company has developed voluntary practices and procedures for employee involvement appropriate to their own circumstances and needs. The Company encourages this approach to provide information and consultation and believes that this promotes a better understanding of the issues facing the individual business in which the employee works. The Company places considerable value on the involvement of its employees and keeps them informed on matters affecting them as employees and on the various factors affecting the performance of the Company by issuing communications on the company intranet and holding monthly town hall meetings hosted by the board.

The Company gives full consideration to applications for employment from disabled persons where the requirements of the job can be adequately fulfilled by a handicapped or disabled person. Where existing employees become disabled, it is the Company's policy wherever practicable to provide continuing employment under normal terms and conditions and to provide training and career development and promotion wherever appropriate.

Political Contributions

The Company made no political contributions or incurred any expenditure during the year (2016: Nil).

Charitable Contributions

The Company made charitable contributions of £4,000 (2016: £6,310).

Health & safety

Our facilities and operations are subject to a wide range of health, safety, security and environmental ("HSSE") laws and regulations in all of the jurisdictions in which we operate. These requirements govern, among other things, the manufacture, storage, handling, treatment, transportation and disposal of hazardous substances and wastes, wastewater discharges, air emissions (including GHG emissions), noise emissions, human health and safety, process safety and risk management and the clean-up of contaminated sites. Many of our operations require permits and controls to monitor or prevent pollution. We have incurred, and will continue to incur, substantial ongoing capital and operating expenditures to ensure compliance with current and future HSSE laws, regulations and permits or the more stringent enforcement of such requirements.

Our operations are currently in material compliance with all HSSE laws, regulations and permits. We actively address compliance issues in connection with our operations and properties and we believe that we have systems in place to ensure that environmental costs and liabilities will not have a material adverse impact on us.

Directors' report for the year ended 31 December 2017 (continued)

Statement of directors' responsibilities in respect of the Strategic Report, the Directors' Report and the financial statements

The directors are responsible for preparing the Strategic Report, the Directors' Report and the financial statements in accordance with applicable law and regulations.

Company law requires the directors to prepare financial statements for each financial year. Under that law they have elected to prepare the financial statements in accordance with UK accounting standards and applicable law (UK Generally Accepted Accounting Practice), including FRS 101 *Reduced Disclosure Framework*.

Under company law the directors must not approve the financial statements unless they are satisfied that they give a true and fair view of the state of affairs of the company and of the profit or loss of the company for that period. In preparing these financial statements, the directors are required to:

- select suitable accounting policies and then apply them consistently;
- make judgements and estimates that are reasonable and prudent;
- state whether applicable UK accounting standards have been followed, subject to any material departures disclosed and explained in the financial statements;
- assess the company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern; and
- use the going concern basis of accounting unless they either intend to liquidate the company or to cease operations, or have no realistic alternative but to do so.

The directors are responsible for keeping adequate accounting records that are sufficient to show and explain the company's transactions and disclose with reasonable accuracy at any time the financial position of the company and enable them to ensure that the financial statements comply with the Companies Act 2006. They are responsible for such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error, and have general responsibility for taking such steps as are reasonably open to them to safeguard the assets of the company and to prevent and detect fraud and other irregularities.

The directors are responsible for the maintenance and integrity of the corporate and financial information included on the company's website. Legislation in the UK governing the preparation and dissemination of financial statements may differ from legislation in other jurisdictions.

Disclosure of information to auditor

Each of the persons who is a director at the date of approval of this report confirms that:

- (i) so far as each director is aware, there is no relevant audit information of which the Company's auditor is unaware.
- (ii) each director has taken all the steps that they ought to have taken in their duty as director in order to make themselves aware of any relevant audit information and to establish that the Company's auditor is aware of that information.

This confirmation is given and should be interpreted in accordance with the provisions of section 418 of the Companies Act 2006.

Independent auditor

The auditors, KPMG LLP, have indicated their willingness to continue in office. The auditors are deemed to be reappointed under section 487 (2) of the Companies Act 2006.

By order of the board

Russell Mann
Director
27th September 2018
Registered number SC 0106



Independent Auditor's Report To The Members Of Petroineos Manufacturing Scotland Limited

Opinion

We have audited the financial statements of Petroineos Manufacturing Scotland ("the Company") for the year ended 31 December 2017 which comprise the Profit and Loss Account, Statement of Comprehensive Income, Balance Sheet, Statement of Changes In Equity and related notes.

In our opinion the financial statements:

- give a true and fair view of the state of the company's affairs as at 31 December 2017 and of its profit for the year then ended;
- have been properly prepared in accordance with UK accounting standards, including FRS 101 *Reduced Disclosure Framework*; and
- have been prepared in accordance with the requirements of the Companies Act 2006.

Basis for opinion

We conducted our audit in accordance with International Standards on Auditing (UK) ("ISAs (UK)") and applicable law. Our responsibilities are described below. We have fulfilled our ethical responsibilities under, and are independent of the company in accordance with, UK ethical requirements including the FRC Ethical Standard. We believe that the audit evidence we have obtained is a sufficient and appropriate basis for our opinion.

Going concern

We are required to report to you if we have concluded that the use of the going concern basis of accounting is inappropriate or there is an undisclosed material uncertainty that may cast significant doubt over the use of that basis for a period of at least twelve months from the date of approval of the financial statements. We have nothing to report in these respects.

Other information

The directors are responsible for the other information, which comprises the strategic report and the directors' report. Our opinion on the financial statements does not cover the other information and, accordingly, we do not express an audit opinion or, except as explicitly stated below, any form of assurance conclusion thereon.

Our responsibility is to read the other information and, in doing so, consider whether, based on our financial statements audit work, the information therein is materially misstated or inconsistent with the financial statements or our audit knowledge. Based solely on that work:

- we have not identified material misstatements in the other information;
- in our opinion the information given in the strategic report and the directors' report for the financial year is consistent with the financial statements; and
- in our opinion those reports have been prepared in accordance with the Companies Act 2006.

Matters on which we are required to report by exception

Under the Companies Act 2006 we are required to report to you if, in our opinion:

- adequate accounting records have not been kept, or returns adequate for our audit have not been received from branches not visited by us; or
- the financial statements are not in agreement with the accounting records and returns; or
- certain disclosures of directors' remuneration specified by law are not made; or
- we have not received all the information and explanations we require for our audit.

We have nothing to report in these respects.

Independent Auditor's Report To The Members Of Petroineos Manufacturing Scotland Limited (continued)

Directors' responsibilities

As explained more fully in their statement set out on page 5, the directors are responsible for: the preparation of the financial statements and for being satisfied that they give a true and fair view; such internal control as they determine is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error; assessing the company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern; and using the going concern basis of accounting unless they either intend to liquidate the company or to cease operations, or have no realistic alternative but to do so.

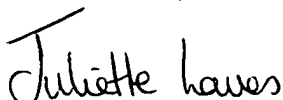
Auditor's responsibilities

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue our opinion in an auditor's report. Reasonable assurance is a high level of assurance, but does not guarantee that an audit conducted in accordance with ISAs (UK) will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of the financial statements.

A fuller description of our responsibilities is provided on the FRC's website at www.frc.org.uk/auditorsresponsibilities.

The purpose of our audit work and to whom we owe our responsibilities

This report is made solely to the company's members, as a body, in accordance with Chapter 3 of Part 16 of the Companies Act 2006. Our audit work has been undertaken so that we might state to the company's members those matters we are required to state to them in an auditor's report and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the company and the company's members, as a body, for our audit work, for this report, or for the opinions we have formed.



Juliette Lowes (Senior Statutory Auditor)

for and on behalf of KPMG LLP, Statutory Auditor

Chartered Accountants

KPMG LLP

15 Canada Square

London, E14 5GL

27th September 2018

Profit and Loss Account
for the year ended 31 December 2017

	<i>Note</i>	2017	2016
		£'000	£'000
Turnover	2	286,672	250,680
Cost of sales		(248,933)	(237,214)
Gross profit		37,739	13,466
Distribution costs		(4,596)	(3,943)
Administrative (expenses)/income		(16)	72
Operating profit	3	33,127	9,595
Interest payable and similar charges	6	(7,836)	(7,075)
Profit before taxation		25,291	2,520
Tax on profit	7	2,594	(4,754)
Profit/(loss) for the financial year		27,885	(2,234)

All activities of the company relate to continuing operations.

Statement of Comprehensive Income
for the year ended 31 December 2017

	Note	2017 £'000	2016 £'000
Profit/(loss) for the financial year		27,885	(2,234)
Other comprehensive income/(charge)			
<i>Items that will not be reclassified to profit or loss:</i>			
Actuarial gain/(loss) recognised in the pension scheme	16	37,252	(46,690)
Deferred tax arising on actuarial (gains)/losses in the pension scheme	7.15	(7,170)	9,338
Other comprehensive income/(charge) for the year, net of income tax		30,082	(37,352)
Total comprehensive income/(charge) for the year		57,967	(39,586)

Balance Sheet

At 31 December 2017

	Note	2017 £'000	2016 £'000
Fixed assets			
Intangible assets	8	4,621	6,916
Tangible assets	9	506,292	484,901
Total Fixed assets		510,913	491,817
Current assets			
Inventories	10	15,530	16,931
Debtors (including £7.1 million (2016: £6.9 million) due after more than one year)	11	99,277	97,834
Cash at bank and in hand	12	668	1,229
Total current assets		115,475	115,994
Creditors: amounts falling due within one year	13	(288,079)	(287,767)
Net current liabilities		(172,604)	(171,773)
Total assets less current liabilities		338,309	320,044
Provisions for liabilities			
Post employment benefits	16	(21,555)	(61,257)
Net assets		316,754	258,787
Capital and reserves			
Called up share capital	17	35	35
Share premium account		344,631	344,631
Profit and loss account		(27,912)	(85,879)
Total equity		316,754	258,787

These financial statements on pages 8 to 37 were approved by the board of directors on 27th September 2018 and were signed on its behalf by:

Russell Mann
Director
Company registered number SC 010612



Statement of Changes in Equity

	Called up share capital	Share premium account	Profit and loss account	Total equity
	£'000	£'000	£'000	£'000
Balance at 1 January 2016	35	344,631	(46,293)	298,373
Total comprehensive expense for the year				
Loss for the financial year	-	-	(2,234)	(2,234)
Other comprehensive expense	-	-	(37,352)	(37,352)
Total comprehensive expense for the year	-	-	(39,586)	(39,586)
Balance at 31 December 2016	35	344,631	(85,879)	258,787

	Called up share capital	Share premium account	Profit and loss account	Total equity
	£'000	£'000	£'000	£'000
Balance at 1 January 2017	35	344,631	(85,879)	258,787
Total comprehensive income for the year				
Profit for the financial year	-	-	27,885	27,885
Other comprehensive income	-	-	30,082	30,082
Total comprehensive income for the year	-	-	57,967	57,967
Balance at 31 December 2017	35	344,631	(27,912)	316,754

Notes (forming part of the financial statements)

1 Accounting policies

Petroineos Manufacturing Scotland Limited (the "Company") is a limited company incorporated and domiciled in the UK. The registered office address is Bo'ness Road, Grangemouth, Stirlingshire, FK3 9XH. The Company is exempt by s400 of the Companies Act 2006 from the requirement to prepare group financial statements. These statements present information about the company as an individual undertaking and not about its group.

These financial statements were prepared in accordance with Financial Reporting Standard 101 *Reduced Disclosure Framework* ("FRS 101").

In preparing these financial statements, the Company applies the recognition, measurement and disclosure requirements of International Financial Reporting Standards as adopted by the EU ("Adopted IFRSs"), but makes amendments where necessary in order to comply with Companies Act 2006 and has set out below where advantage of the FRS 101 disclosure exemptions has been taken.

The Company's parent undertaking, Petroineos Refining Limited includes the Company in its consolidated financial statements. The consolidated financial statements of Petroineos Refining Limited are prepared in accordance with International Financial Reporting Standards as adopted by the EU and can be obtained from the Company Secretary, The Adelphi, 1-11 John Adam Street, London, WC2N 6HT.

In these financial statements, the Company has applied the exemptions available under FRS 101 in respect of the following disclosures:

- A Cash Flow Statement and related notes;
- Disclosures in respect of transactions with wholly owned subsidiaries;
- Disclosures in respect of capital management;
- The effects of new but not yet effective IFRSs and;
- Disclosures in respect of the compensation of Key Management Personnel.

As the consolidated financial statements of Petroineos Refining Limited include the equivalent disclosures, the Company has also taken the exemptions under FRS 101 available in respect of the following disclosures:

- IFRS 2 *Share Based Payments* in respect of group settled share based payments;
- Certain disclosures required by IAS 36 *Impairment of assets* in respect of the impairment of goodwill and indefinite life intangible assets;
- Disclosures required by IFRS 5 *Non-current Assets Held for Sale and Discontinued Operations* in respect of the cash flows of discontinued operations;
- Certain disclosures required by IFRS 13 *Fair Value Measurement* and the disclosures required by IFRS 7 *Financial Instrument Disclosures*.

The accounting policies set out below have, unless otherwise stated, been applied consistently to all periods presented in these financial statements.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.1 Measurement convention

The financial statements are prepared on the historical cost basis.

1.2 Going concern

The Company meets its day-to-day working capital requirements through its inter-company current account facility. The Company's forecasts and projections, taking into account of reasonably possible changes in trading performance, show that the Company should be able to operate within the level of its current facilities. After making enquiries, notwithstanding the Net Current Liabilities of £172.6 million, the directors have a reasonable expectation that the Company has adequate resources to continue in operational existence for the foreseeable future. The Company therefore continues to adopt the going concern basis in preparing its financial statements.

The parent company, Petroineos Refining Limited, has indicated that it will continue to financially support the Company and assist it in meeting the Company's liabilities as and when they fall due to the extent that funding is not otherwise available to the Company.

1.3 Foreign currency

Transactions in foreign currencies are translated to the Company's functional currencies at the foreign exchange rate ruling at the date of the transaction. Monetary assets and liabilities denominated in foreign currencies at the balance sheet date are retranslated to the functional currency at the foreign exchange rate ruling at that date. Non-monetary assets and liabilities that are measured in terms of historical cost in a foreign currency are translated using the exchange rate at the date of the transaction. Non-monetary assets and liabilities denominated in foreign currencies that are stated at fair value are retranslated to the functional currency at foreign exchange rates ruling at the dates the fair value was determined. Foreign exchange differences arising on translation are recognised in the profit and loss account.

1.4 Non-derivative financial instruments

Non-derivative financial instruments comprise investments in equity and debt securities, trade and other debtors, cash and cash equivalents, loans and borrowings, and trade and other creditors.

Trade and other debtors

Trade and other debtors are recognised initially at fair value. Subsequent to initial recognition they are measured at amortised cost using the effective interest method, less any impairment losses.

Trade and other creditors

Trade and other creditors are recognised initially at fair value. Subsequent to initial recognition they are measured at amortised cost using the effective interest method.

Investments in debt and equity securities

Investments in jointly controlled entities, associates and subsidiaries are carried at cost less impairment.

Interest-bearing borrowings

Interest-bearing borrowings are recognised initially at fair value less attributable transaction costs. Subsequent to initial recognition, interest-bearing borrowings are stated at amortised cost using the effective interest method, less any impairment losses.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.5 Derivative financial instruments

Derivative financial instruments

Derivative financial instruments are recognised at fair value. The gain or loss on remeasurement to fair value is recognised immediately in profit or loss.

1.6 Intra-group financial instruments

Where the Company enters into financial guarantee contracts to guarantee the indebtedness of other companies within its group, the Company considers these to be insurance arrangements and accounts for them as such. In this respect, the Company treats the guarantee contract as a contingent liability until such time as it becomes probable that the Company will be required to make a payment under the guarantee.

1.7 Tangible fixed assets

Tangible fixed assets are stated at cost less accumulated depreciation and accumulated impairment losses.

Where parts of an item of tangible fixed assets have different useful lives, they are accounted for as separate items of tangible fixed assets.

Capital work in progress is held as assets under construction until fully commissioned and transferred into active use.

Leases in which the Company assumes substantially all the risks and rewards of ownership of the leased asset are classified as finance leases. Where land and buildings are held under leases the accounting treatment of the land is considered separately from that of the buildings. Leased assets acquired by way of finance lease are stated at an amount equal to the lower of their fair value and the present value of the minimum lease payments at inception of the lease, less accumulated depreciation and less accumulated impairment losses. Lease payments are accounted for as described below.

Depreciation is charged to the profit and loss account on a straight-line basis over the estimated useful lives of each part of an item of tangible fixed assets. Assets under construction and freehold land are not depreciated. The estimated useful lives are as follows:

- Freehold Buildings 20 years
- Plant and machinery 4 - 30 years

Depreciation methods, useful lives and residual values are reviewed at each balance sheet date.

1.8 Intangible assets

Intangible assets are stated at cost less any accumulated amortisation or impairment losses. Refer to emission trading scheme for further information on capitalised purchase emission credits.

1.9 Government grants

Capital related government grants are shown in the balance sheet as deferred income. This income is amortised on a straight line basis over the same period as the tangible fixed asset to which it relates or the life of the related project. Revenue grants are credited to the profit and loss account in the same period as the items to which they relate.

1.10 Stocks

Stocks are valued at cost to the Company, mainly using the weighted average method, or net realisable value, whichever is lower. Provision is made where necessary for obsolete, slow moving and defective stocks.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.11 Impairment excluding stocks and deferred tax assets

Financial assets (including trade and other debtors)

A financial asset not carried at fair value through profit or loss is assessed at each reporting date to determine whether there is objective evidence that it is impaired. A financial asset is impaired if objective evidence indicates that a loss event has occurred after the initial recognition of the asset, and that the loss event had a negative effect on the estimated future cash flows of that asset that can be estimated reliably.

An impairment loss in respect of a financial asset measured at amortised cost is calculated as the difference between its carrying amount and the present value of the estimated future cash flows discounted at the asset's original effective interest rate. For financial instruments measured at cost less impairment, an impairment is calculated as the difference between its carrying amount and the best estimate of the amount that the Company would receive for the asset if it were to be sold at the reporting date. Interest on the impaired asset continues to be recognised through the unwinding of the discount. When a subsequent event causes the amount of impairment loss to decrease, the decrease in impairment loss is reversed through profit or loss.

Non-financial assets

The carrying amounts of the Company's non-financial assets, other than stocks and deferred tax assets, are reviewed at each reporting date to determine whether there is any indication of impairment. If any such indication exists, then the asset's recoverable amount is estimated. For goodwill, and intangible assets that have indefinite useful lives or that are not yet available for use, the recoverable amount is estimated each year at the same time.

The recoverable amount of an asset or cash-generating unit is the greater of its value in use and its fair value less costs to sell. In assessing value in use, the estimated future cash flows are discounted to their present value using a pre-tax discount rate that reflects current market assessments of the time value of money and the risks specific to the asset. For the purpose of impairment testing, assets that cannot be tested individually are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or groups of assets (the "cash-generating unit"). The goodwill acquired in a business combination, for the purpose of impairment testing, is allocated to cash-generating units, or ("CGU"). Subject to an operating segment ceiling test, for the purposes of goodwill impairment testing, CGUs to which goodwill has been allocated are aggregated so that the level at which impairment is tested reflects the lowest level at which goodwill is monitored for internal reporting purposes. Goodwill acquired in a business combination is allocated to groups of CGUs that are expected to benefit from the synergies of the combination.

An impairment loss is recognised if the carrying amount of an asset or its CGU exceeds its estimated recoverable amount. Impairment losses are recognised in profit or loss. Impairment losses recognised in respect of CGUs are allocated first to reduce the carrying amount of any goodwill allocated to the units, and then to reduce the carrying amounts of the other assets in the unit (group of units) on a *pro rata* basis.

An impairment loss in respect of goodwill is reversed if and only if the reasons for the impairment have ceased to apply.

In respect of other assets, impairment losses recognised in prior periods are assessed at each reporting date for any indications that the loss has decreased or no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation or amortisation, if no impairment loss had been recognised.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.12 Post employment benefits

Defined contribution plan

A defined contribution plan is a post-employment benefit plan under which the company pays fixed contributions into a separate entity and will have no legal or constructive obligation to pay further amounts. Obligations for contributions to the defined contribution pension plan is recognised as an expense in the profit and loss account in the periods during which services are rendered by employees.

Defined benefit plan

A defined benefit plan is a post employment benefit plan other than a defined contribution plan. The Company's net obligation in respect of the defined benefit pension plan is calculated by estimating the amount of future benefit that employees have earned in return for their service in the current and prior periods; that benefit is discounted to determine its present value, and the fair value of any plan assets (at bid price) are deducted. The Company determines the net interest on the net defined benefit liability/(asset) for the period by applying the discount rate used to measure the defined benefit obligation at the beginning of the annual period to the net defined benefit liability/(asset).

The discount rate is the yield at the reporting date on bonds that have a credit rating of at least AA that have maturity dates approximating the terms of the Company's obligations and that are denominated in the currency in which the benefits are expected to be paid.

Remeasurements arising from the defined benefit plan comprise actuarial gains and losses, the return on plan assets (excluding interest) and the effect of the asset ceiling (if any, excluding interest). The Company recognises them immediately in other comprehensive income and all other expenses related to defined benefit plans in employee benefit expenses in profit or loss.

The calculation of the defined benefit obligations is performed by a qualified actuary using the projected unit credit method. When the calculation results in a benefit to the Company, the recognised asset is limited to the present value of benefits available in the form of any future refunds from the plan or reductions in future contributions and takes into account the adverse effect of any minimum funding requirements.

Short-term benefits

Short-term employee benefit obligations are measured on an undiscounted basis and are expensed as the related service is provided. A liability is recognised for the amount expected to be paid under short-term cash bonus or profit-sharing plans if the Company has a present legal or constructive obligation to pay this amount as a result of past service provided by the employee and the obligation can be estimated reliably.

1.13 Provisions

A provision is recognised in the balance sheet when the Company has a present legal or constructive obligation as a result of a past event, that can be reliably measured and it is probable that an outflow of economic benefits will be required to settle the obligation. Provisions are determined by discounting the expected future cash flows at a pre-tax rate that reflects risks specific to the liability.

1.14 Leases

Where the Company enters into a lease which entails taking substantially all the risks and rewards of ownership of an asset, the lease is treated as a "finance lease". The asset is recorded in the balance sheet as a tangible fixed asset and is depreciated over its estimated useful life or the terms of the lease, whichever is shorter. Future instalments under such leases, net of finance charges, are included within creditors. Rentals payable are apportioned between the finance element, which is charged to the profit and loss account, and the capital element which reduces the outstanding obligation for future instalments.

All other leases are accounted for as "operating leases" and the rental charges are charged to the profit and loss account on a straight line basis over the life of the lease.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.15 Turnover

Turnover, which is stated net of value added tax, represents the recovery costs from Petroineos Trading Limited under the terms of the tolling contract between the two companies. Under the tolling contract, Petroineos Trading Limited provides raw materials to be converted into specified products, for which the company charges a toll fee. These fees are charged on a monthly basis and are recognised on an accrual basis, as the service is delivered.

1.16 Expenses

Operating lease payments

Payments (excluding costs for services and insurance) made under operating leases are recognised in the profit and loss account on a straight-line basis over the term of the lease. Lease incentives received are recognised in the profit and loss account as an integral part of the total lease expense.

Finance lease payments

Minimum lease payments are apportioned between the finance charge and the reduction of the outstanding liability. The finance charge is allocated to each period during the lease term so as to produce a constant periodic rate of interest on the remaining balance of the liability. Contingent rents are charged as expenses in the periods in which they are incurred.

Interest receivable and interest payable

Interest payable includes interest payable, finance charges on shares classified as liabilities and finance leases recognised in profit or loss using the effective interest method, unwinding of the discount on provisions, and net foreign exchange losses that are recognised in the profit and loss account (see foreign currency accounting policy). Borrowing costs that are directly attributable to the acquisition, construction or production of an asset that takes a substantial time to be prepared for use, are capitalised as part of the cost of that asset. Other interest receivable and similar income include interest receivable on funds invested and net foreign exchange gains.

Interest income and interest payable is recognised in profit or loss as it accrues, using the effective interest method. Dividend income is recognised in the profit and loss account on the date the entity's right to receive payments is established. Foreign currency gains and losses are reported on a net basis.

1.17 Taxation

Tax on the profit or loss for the year comprises current and deferred tax. Tax is recognised in the profit and loss account except to the extent that it relates to items recognised directly in equity or other comprehensive income, in which case it is recognised directly in equity or other comprehensive income.

Current tax is the expected tax payable or receivable on the taxable income or loss for the year, using tax rates enacted or substantively enacted at the balance sheet date, and any adjustment to tax payable in respect of previous years.

Deferred tax is provided on temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for taxation purposes. The following temporary differences are not provided for: the initial recognition of goodwill; the initial recognition of assets or liabilities that affect neither accounting nor taxable profit other than in a business combination, and differences relating to investments in subsidiaries to the extent that they will probably not reverse in the foreseeable future. The amount of deferred tax provided is based on the expected manner of realisation or settlement of the carrying amount of assets and liabilities, using tax rates enacted or substantively enacted at the balance sheet date.

A deferred tax asset is recognised only to the extent that it is probable that future taxable profits will be available against which the temporary difference can be utilised.

Notes (forming part of the financial statements) (continued)

1 Accounting policies (continued)

1.18 Emission trading scheme

The Company participates in the EU Emissions Trading Scheme. The Scheme encourages companies to reduce carbon emissions by offering financial incentives if they achieve their annual reduction targets. If a company reduces emissions beyond their target, then the surplus may be traded in the form of emissions permits.

The incentive money due from the EU Emissions Trading Scheme is recognised in the consolidated income statement once the reduction targets have been met. The emissions permits allocated under the Scheme are at nil cost. The Company recognises the revenue from such permits upon their sale to third parties.

The Kyoto Protocol sets legally binding targets for cutting emissions and provides for three international "flexible mechanisms" to be used by developed countries in cost effectively meeting their greenhouse gas emissions targets, one of which is the Clean Development Mechanism ("CDM"). This permits industrialised countries to meet part of their commitments through projects in developing countries. The CDM programme provides incentives for the project participants in the form of Certified Emissions Reductions ("CERs"). It is the trading of these CERs that provides the market incentive to reduce emissions. CERs produced from these projects are recorded at nil cost. CERs purchased from third parties are recognised within intangible assets on the basis of purchased cost. The Company recognises the revenue from sale of CERs upon their sale to third parties.

The Company recognises a provision for emissions produced. The provision is measured at the carrying amount of the emission rights held (nil if granted, otherwise at cost) or, in the case of a shortfall, at the current fair value of the emission rights needed.

Notes (forming part of the financial statements) (continued)

2 Turnover

Turnover represents the recovery costs from Petroineos Trading Limited under the terms of the tolling contract between the companies. Under the tolling contract, Petroineos Trading Limited provides raw materials to be converted into specified products, for which the Company charges a toll fee. All turnover relates to activities in the UK.

3 Operating profit

Included in profit are the following:

	2017	2016
	£'000	£'000
Foreign exchange loss	214	869
Depreciation of owned assets (note 9)	52,195	53,681
Impairment of tangible fixed assets (note 9)	182	(1,280)
Impairment of intangible assets (note 8)	2,295	1,734
Amortisation of government grants	(416)	(416)

Auditor's remuneration:

	2017	2016
	£'000	£'000
Audit of these financial statements	55	53

Notes (forming part of the financial statements) (continued)

4 Staff number and costs

The average number of persons employed by the Company (including one director who is on the company payroll) during the year, analysed by category, was as follows:

	Number of employees	
	2017	2016
Operations	334	323
Maintenance	139	122
Other – support services	61	48
	<u>534</u>	<u>493</u>

The aggregate payroll costs of these persons were as follows:

	2017	2016
	£'000	£'000
Wages and salaries	36,322	29,838
Social security costs	3,777	2,967
Pension costs - defined contribution plan	2,211	2,010
Pension costs - defined benefit plan (note 16)	460	123
	<u>42,770</u>	<u>34,938</u>

5 Directors' remuneration

The aggregate emoluments of directors:

	2017	2016
	£'000	£'000
Directors' emoluments	<u>171</u>	<u>163</u>
	<u>171</u>	<u>163</u>

The aggregate of emoluments of the highest paid director was £171,114 (2016: £163,000).

No directors had benefits accruing under a defined benefit pension scheme (2016: none).

No other directors received any fees or remuneration for services as a director of the Company during the financial year.

31 December 2017

Notes (forming part of the financial statements) (continued)

6 Interest payable and similar charges

	2017	2016
	£'000	£'000
Interest expense on financial liabilities measured at amortised cost	6,296	6,456
Net interest on net defined benefit plan liability (note 16)	1,540	619
Total interest payable and similar charges	7,836	7,075

Interest payable and similar charges include interest payable to group undertakings of £6,296,123 (2016: £6,455,622).

7 Tax on profit

Recognised in the profit and loss account

	2017	2016
	£'000	£'000
<i>UK corporation tax</i>		
Group relief receivable	(5,223)	-
Total current tax credit	(5,223)	-

Deferred tax (see note 15)

Origination and reversal of temporary differences	6,523	3,103
Adjustments in respect of prior years	(3,894)	-
Effective tax rate change on opening balance	-	1,651
Total deferred tax	2,629	4,754
Tax (credit)/charge on profit	(2,594)	4,754

Income tax recognised in other comprehensive income

	2017	2016
	£'000	£'000
Deferred tax arising on actuarial gains/(losses) in the pension scheme	7,170	(9,338)
	7,170	(9,338)

Notes (forming part of the financial statements) (continued)

7 Tax on profit (continued)

Reconciliation of effective tax rate

	2017	2016
	£'000	£'000
Total tax (credit)/charge	(2,594)	4,754
Profit before taxation	25,291	2,520
Profit multiplied by the standard rate of tax in the UK of 19.25% (2016: 20%)	4,868	504
Expenses not deductible for tax purposes	121	169
Income not taxable for tax purposes	(1,879)	-
Movement in tax rates in respect of deferred tax	(1,810)	2,884
Adjustments to tax charge in respect of previous periods – Deferred tax	(3,894)	-
Adjustments in respect of prior year – deferred tax	-	1,197
Total tax (credit)/charge	(2,594)	4,754

The standard rate of corporation tax in the UK changed from 20% to 19% with effect from 1 April 2017.

A further reduction in the corporation tax rate to 17% with effect from 1 April 2020 was substantively enacted for accounting purposes on 6 September 2016.

Deferred tax assets on the balance sheet as at 31 December 2017 were re-measured based on the above tax rates.

Notes (forming part of the financial statements) (continued)

8 Intangible assets

	Environmental Certificates £'000
Cost	
Balance at 1 January 2016	10,447
Additions	<u>-</u>
At 31 December 2016	<u>10,447</u>
 Balance at 1 January 2017	 10,447
Additions	<u>-</u>
At 31 December 2017	<u>10,447</u>
 Accumulated amortisation and impairment	
Balance at 1 January 2016	(1,797)
Amortisation charge	<u>(1,734)</u>
Balance at 31 December 2016	<u>(3,531)</u>
 Balance at 1 January 2017	 (3,531)
Amortisation charge	<u>(2,295)</u>
Balance at 31 December 2017	<u>(5,826)</u>
 Net book value	
At 31 December 2016	<u>6,916</u>
At 31 December 2017	<u>4,621</u>

There were no additions in the year relating to carbon allowances. The amortisation charge is in relation to the consumption of CERs certificates.

Notes (forming part of the financial statements) (continued)

9 Tangible fixed assets

Cost	Land & Buildings £'000	Plant and Machinery £'000	Under Construction £'000	Total £'000
Balance at 1 January 2016	164	803,715	53,124	857,003
Additions	-	-	57,453	57,453
Disposals	-	(125,772)	-	(125,772)
Transfers	-	17,800	(17,800)	-
Balance at 31 December 2016	164	695,743	92,777	788,684
Balance at 1 January 2017	164	695,743	92,777	788,684
Additions	-	-	73,786	73,787
Disposals	-	(32,607)	-	(32,607)
Transfers	-	69,795	(69,795)	-
Balance at 31 December 2017	164	732,931	96,768	829,864
Accumulated depreciation and impairment				
Balance at 1 January 2016	-	(377,154)	-	(377,154)
Disposals	-	125,772	-	125,772
Depreciation charge for the financial year	-	(53,681)	-	(53,681)
Impairment	-	1,280	-	1,280
Balance at 31 December 2016	-	(303,783)	-	(303,783)
Balance at 1 January 2017	-	(303,783)	-	(303,783)
Disposals	-	32,588	-	32,588
Depreciation charge for the financial year	-	(52,195)	-	(52,195)
Impairment	-	(182)	-	(182)
Balance at 31 December 2017	-	(323,572)	-	(323,572)
Net book value				
At 31 December 2016	164	391,960	92,777	484,901
At 31 December 2017	164	409,359	96,768	506,292

The net book value of freehold land and buildings is £164,000.

The impairment charge is in relation to precious metals, being the fixed bed catalyst on the Cat Reformer (CRU) that contains Rhenium and Platinum, the volumes of these materials are marked to market based on the price at year end.

Notes (forming part of the financial statements) (continued)

10 Inventories

	2017	2016
	£'000	£'000
Process chemicals	4,998	9,407
Plant spares	10,532	7,524
	<u>15,530</u>	<u>16,931</u>

There was no impairment in the current year (2016: £1,777,151).

The cost of inventories recognised as an expense and included in cost of sales amounted to £7,442,768 (2016: £5,490,865).

The difference between the carrying value of inventories and their replacement cost is not material.

11 Debtors

	2017	2016
	£'000	£'000
Trade debtors	1,738	2,189
Amounts owed by related parties	40,627	31,299
Amounts owed by group undertakings	8,410	2,188
Other debtors	420	3,276
Deferred tax (note 15)	24,505	34,304
Prepayments and accrued income	<u>23,577</u>	<u>24,578</u>
	<u>99,277</u>	<u>97,834</u>
Due within one year	92,162	90,931
Due after more than one year	7,115	6,903

Notes (forming part of the financial statements) (continued)

12 Cash and cash equivalents

	2017	2016
	£'000	£'000
Cash at bank and in hand	668	1,229
	668	1,229

13 Creditors: amounts falling due within one year

	2017	2016
	£'000	£'000
Trade creditors	15,495	17,720
Amounts owed to group undertakings	228,276	232,172
Amounts owed to related parties	2,242	1,401
Other creditors	19,638	14,228
Accruals and deferred income	22,428	22,246
	288,079	287,767

Notes (forming part of the financial statements) (continued)

14 Interest-bearing loans and borrowings

This note provides information about the contractual terms of the Company's interest-bearing loans and borrowings, which are measured at amortised cost.

	2017	2016
	£'000	£'000
Creditors falling due within less than one year		
Intercompany loan	228,075	232,024
	<u>228,075</u>	<u>232,024</u>

Terms and debt repayment schedule

	Currency	Nominal interest rate	Year of maturity	Face value 2017 £'000	Carrying amount 2017 £'000	Face value 2016 £'000	Carrying amount 2016 £'000
Intercompany loan	£	2.5% + Libor	2018	228,075	228,075	232,024	232,024
				<u>228,075</u>	<u>228,075</u>	<u>232,024</u>	<u>232,024</u>

Notes (forming part of the financial statements) (continued)

15 Deferred tax assets and liabilities

Recognised deferred tax assets and liabilities

Deferred tax assets and liabilities are attributable to the following:

	Assets	Liabilities	Net
	2017	2017	2017
	£'000	£'000	£'000
Tangible fixed assets	16,307	-	16,307
Tax value of loss carry-forwards	4,534	-	4,534
Employee benefits	3,664	-	3,664
Net tax assets	24,505	-	24,505

	Assets	Liabilities	Net
	2016	2016	2016
	£'000	£'000	£'000
Tangible fixed assets	8,188	-	8,188
Tax value of loss carry-forwards	15,702	-	15,702
Employee benefits	10,414	-	10,414
Net tax assets	34,304	-	34,304

Notes (forming part of the financial statements) (continued)

15 Deferred tax assets and liabilities (continued)

Movement in deferred tax during the year

	1 January 2017	Recognised in income	Recognised in equity	31 December 2017
	£'000	£'000	£'000	£'000
Tangible fixed assets	8,188	8,119	-	16,307
Tax value of loss carry-forwards	15,702	(11,168)	-	4,534
Employee benefits	10,414	420	(7,170)	3,664
	34,304	(2,629)	(7,170)	24,505

Movement in deferred tax during the prior year

	1 January 2016	Recognised in income	Recognised in equity	31 December 2016
	£'000	£'000	£'000	£'000
Tangible fixed assets	19,583	(11,395)	-	8,188
Tax value of loss carry-forwards	6,792	8,910	-	15,702
Employee benefits	3,345	(2,269)	9,338	10,414
	29,720	(4,754)	9,338	34,304

The directors consider that it is more likely than not that there will be sufficient taxable profits in the future such as to realise the deferred tax asset on accelerated capital allowances and short term timing differences. Where there is uncertainty of the reversal of such differences these amounts shall remain unrecognised.

Notes (forming part of the financial statements) (continued)

16 Post employment benefits

The Company operates a defined benefit pension plan, which is a final salary scheme. The scheme covers employees of Petroineos Europe Limited, Petroineos Trading Limited and Petroineos Manufacturing Scotland Limited. The scheme is managed by Trustees, who are directors of Innovene Trustee Limited which has a trust deed in favour of Petroineos Europe Limited. The contributions paid to the plan are set every three years based on a funding agreement between the Company and Trustees after taking actuarial advice. The full scheme assets and liabilities have been included in the financial statements of Petroineos Manufacturing Scotland Limited as we are unable to split the assets and liabilities of the scheme between the respective companies. The scheme is now closed to new entrants and frozen to future service accrual.

In accordance with new UK GAAP, pension charges in relation to the Pension Fund have been accounted for under IAS 19 "Revised Employee Benefits" in these financial statements. The scheme is of a defined benefit type under which benefits are based on employees' years of service and final remuneration.

The information disclosed below is in respect of the whole of the plans for which the Company is either the sponsoring employer or has been allocated a share of cost under an agreed group policy throughout the years shown.

	2017 £'000	2016 £'000
Total defined benefit asset	222,646	211,206
Total defined benefit liability	(244,201)	(272,463)
Net liability for defined benefit obligations (see following table)	(21,555)	(61,257)
Total post employment benefits	(21,555)	(61,257)

Notes (forming part of the financial statements) (continued)

16 Post employment benefits (continued)

Movements in net defined benefit liability

	Defined benefit obligation		Fair value of plan assets		Net defined benefit liability/(asset)	
	2017	2016	2017	2016	2017	2016
	£'000	£'000	£'000	£'000	£'000	£'000
Balance at 1 January	272,463	192,112	(211,206)	(173,787)	61,257	18,325
Included in profit or loss						
Current service cost	460	123	-	-	460	123
Interest cost/(income)	7,030	7,199	(5,490)	(6,580)	1,540	619
	7,490	7,322	(5,490)	(6,580)	2,000	742
Included in Comprehensive Income						
Remeasurement loss/(gain)						
Actuarial loss/(gain) arising from:						
- Changes in demographic assumptions	(4,138)	-	-	-	(4,138)	-
- Changes in financial assumptions	(8,992)	77,155	-	-	(8,992)	77,155
- Experience adjustment	(5,543)	358	-	-	(5,543)	358
Return on plan assets excluding interest income	-	-	(18,579)	(30,823)	(18,579)	(30,823)
	(18,673)	77,513	(18,579)	(30,823)	(37,252)	46,690
Other						
Contributions paid by the employer	-	-	(4,450)	(4,500)	(4,450)	(4,500)
Benefits paid	(17,079)	(4,484)	17,079	4,484	-	-
Balance at 31 December	244,201	272,463	(222,646)	(211,206)	21,555	61,257

Notes (forming part of the financial statements) (continued)

16 Post employment benefits (continued)

	2017	2016
	£'000	£'000
Plan assets		
Equities (fund manager portfolio)	85,410	105,224
Bonds - Corporate	84,880	64,334
Real estate	24,972	23,735
Other assets	27,384	17,913
	222,646	211,206

All equity securities and corporate bonds have quoted prices in active markets. All other plan assets are not quoted in active markets.

	2017	2016
Actuarial assumptions (expressed as weighted average)		
Discount rate at 31 December	2.7%	2.6%
Rate of salary increases	0.0%	0.0%
Rate of price inflation	3.2%	3.3%
Rate of pension increases (in-payment)	3.0%	3.0%
Rate of increase in deferred benefits	3.2%	3.3%

During the year, the methodology for calculating the discount rate has changed. In previous years the Willis Towers Watson RATE:Link approach had been used. In the current year a variant of the Willis Towers Watson alternative model has been used.

The assumptions relating to longevity underlying the pension liabilities at the balance sheet date are based on standard actuarial mortality tables and include an allowance for future improvements in longevity. The assumptions are equivalent to expecting a 65-year old to live for a number of years as follows:

- Current pensioner aged 65: 21.85 years (male), 22.80 years (female).
- Future retiree upon reaching 65: 22.87 years (male), 23.52 years (female).

Notes (forming part of the financial statements) (continued)

16 Post employment benefits (continued)

Sensitivity analysis

The calculation of the defined benefit obligation is sensitive to the assumptions set out above. The following table summarises how the impact on the defined benefit obligation at the end of the reporting year would have increased/(decreased) as a result of a change in the respective assumptions by 1%.

	2017	2016
	£'000	£'000
Discount rate	75,143	85,144
Inflation (RPI, CPI)	24,412	32,108

In valuing the liabilities of the pension fund at £244,201,000 (2016: £272,463,000), mortality assumptions have been made as indicated above. If life expectancy had been changed to assume that all members of the fund lived for one year longer, the value of the reported liabilities would be £251,513,000 (2016: £280,853,000) having increased by £7,312,000 (2016: £8,390,000) before deferred tax.

The above sensitivities are based on the average duration of the benefit obligation determined at the date of the last full actuarial valuation at December 2014 and are applied to adjust the defined benefit obligation at the end of the reporting year for the assumptions concerned. Whilst the analysis does not take account of the full distribution of cash flows expected under the plan, it does provide an approximation to the sensitivity of the assumptions shown.

Funding

The company expects to contribute £4,542,000 to its closed defined benefit scheme in 2018 under a deficit reduction program.

Defined contribution plans

The Company operates a defined contribution pension plan.

The total expense relating to these plans in the current year was £2,210,608 (2016: £2,009,733).

Notes (forming part of the financial statements) (continued)

17 Called up share capital

	No. of Shares	
Ordinary shares of £0.001	35,000,004	
	2017	2016
	£'000	£'000
Allotted, called up and fully paid		
At 1 January	35	35
Issued during the year	-	-
At 31 December	35	35

18 Operating leases

Lessee non-cancellable operating lease rentals

Non-cancellable operating lease rentals are payable as follows:

	2017	2016
	£'000	£'000
Less than one year	10,329	9,943
Between one and five years	24,284	26,132
More than five years	15,075	19,538
	49,688	55,613

During the year £11,368,652 was recognised as an expense in the profit and loss account in respect of operating leases (2016: £14,741,265).

The company has a lease for one storage unit that is being utilised to increase the storage capacity at Grangemouth and rental leases for the use of jetties at Forth Ports. The company also accounts for cargo dues based on a through put contract with rates that are agreed on an annual basis as an operating lease.

Lessor non-cancellable operating lease rentals

The parent company, Petroineos Refining Limited owns the refining site at Grangemouth, Scotland. A toll processing agreement exists with Petroineos Trading Limited. The agreement specifies that the Grangemouth site will provide toll processing services to Petroineos Trading directly. The agreement specifies that the production schedule at Grangemouth will be based on orders from Petroineos Trading, and that the sites will de facto be dedicated to the agreements.

In consideration for the Petroineos Refining Limited obligations under the tolling agreement, Petroineos Trading Limited pays a processing fee. This processing fee is calculated based on the fixed, variable and depreciation actual costs incurred by the site referable to the agreement, plus a fixed processing margin which is reviewed periodically. The base cost plus tolling fee is adjusted to reflect variances in the margin environment and the operational efficiency of the refinery. The pricing structures are not fixed per unit of output. The agreement came into force on 1 June 2011 and shall continue in full force until 31 December 2018, at which point it shall automatically continue however it may be terminated by either party, giving twelve months notice.

Notes (forming part of the financial statements) (continued)

19 Capital commitments

At 31 December 2017, amounts contracted for the acquisition of property, plant and equipment is £17,110,580 (2016: £15,996,636).

20 Related parties

Other related party transactions

During the year the Company entered into transactions, in the ordinary course of business, with other related parties. The Company has taken advantage of the exemption under paragraph 8(k) of FRS101 not to disclose transactions with fellow subsidiaries under common ownership. Transactions entered into, and trading balances outstanding at 31 December with other related parties, are as follows:

Other related party transactions

	Sales		Cost recoveries		Expenses incurred	
	2017	2016	2017	2016	2017	2016
	£'000	£'000	£'000	£'000	£'000	£'000
Ineos Group Holdings S.A.Group	-	-	52,723	45,613	101,622	96,280
Petroineos Trading Ltd Group	286,089	250,118	133	1,554	214	68
Other related parties	-	-	1,058	-	37,270	29,299
	286,089	250,118	53,914	47,167	139,106	125,647

	Receivables outstanding		Creditors outstanding	
	2017	2016	2017	2016
	£'000	£'000	£'000	£'000
Ineos Group Holdings S.A.Group	2,546	4,315	2,128	1,375
Petroineos Trading Ltd Group	38,081	26,984	114	26
	40,627	31,299	2,242	1,401

21 Controlling parties

Petroineos Refining Limited is the parent undertaking of the smallest and largest group of undertakings to consolidate these financial statements. There is no ultimate parent company or ultimate controlling party since Petroineos Refining Limited is a joint venture between INEOS Investments (Jersey) Limited and PetroChina International (London) Company Limited.

Copies of the financial statements of Petroineos Refining Limited can be obtained from the Company Secretary:

The Secretary
The Adelphi
1-11 John Adam Street
London
WC2N 6HT

Notes (forming part of the financial statements) (continued)

22 Accounting estimates and judgements

Taxation

Management is required to estimate the tax payable in the jurisdiction in which the Company operates. This involves estimating the actual current tax charge or credit together with assessing temporary differences resulting from differing treatment of items for tax and accounting purposes. These differences result in deferred tax assets and liabilities, which may be included on the balance sheet of the Company. Management has performed an assessment as to the extent to which future taxable profits will allow the deferred asset to be recovered. The calculation of the Company's total tax charge necessarily involves a significant degree of estimation in respect of certain items whose tax treatment cannot be finally determined until resolution has been reached with the relevant tax authority, or, as appropriate, through a formal legal process.

Details of amounts recognised with regard to taxation are disclosed in note 7 and note 15.

Post employment benefits

The Company operates a defined benefit post employment scheme. The plan is now closed to new entrants and frozen to future accrual. Under IAS 19 Revised Employee Benefits, management is required to estimate the present value of the future defined benefit obligation of each defined benefit scheme. The costs and year end obligations under the defined benefit scheme is determined using actuarial valuations. The actuarial valuations involve making numerous assumptions, including:

- inflation rate projections; and
- discount rate for scheme liabilities.

Details of post employment benefits are set out in note 16.

Impairment reviews

IFRSs require management to test for impairment of goodwill and other intangible assets with indefinite lives, on an annual basis, and of tangible and intangible assets with finite lives if events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable.

An impairment test requires an assessment as to whether the carrying value of assets can be supported by its recoverable amount. Management calculates the recoverable amount based on the net present value of the future cash flows derived from the relevant assets, using cash flow projections which have been discounted at an appropriate discount rate.

In calculating the net present value of the future cash flows, certain assumptions and estimates are required to be made in respect of highly uncertain matters, including management's expectations of:

- growth rates of various revenue streams;
- future refining margins;
- the selection of an appropriately risk adjusted discount rate; and
- the determination of terminal values.

Notes (forming part of the financial statements) (continued)

22 Accounting estimates and judgements (continued)

Changing the assumptions selected by management, in particular the discount rate used in the present value calculation, could significantly affect the Company's impairment evaluation and results.

For the purpose of impairment testing (when required), to assess whether any impairment exists, estimates are made of the future cash flows expected to result from the use of the asset and its eventual disposal. Actual outcomes could vary significantly from such estimates of discounted future cash flows. Factors such as changes in the planned use of buildings, plant or equipment, or closure of facilities, the presence or absence of competition, lower than expected asset utilisation from events such as unplanned outages, strikes and hurricanes, technical obsolescence or lower than anticipated sales of products with capitalised intellectual property rights could result in shortened useful lives or impairment. Changes in the discount rates used could also lead to impairments.

Useful economic lives of tangible assets

The annual depreciation charge for tangible assets is sensitive to changes in the estimated useful economic lives and residual values of the assets. The useful economic lives and residual values are re-assessed annually. They are amended when necessary to reflect current estimates, based on technological advancement, future investments, economic utilisation and the physical condition of the assets. See note 9 for the carrying amount of the property, plant and equipment, and note 1 for the useful economic lives for each class of assets.

Impairment of debtors

The Company makes an estimate of the recoverable value of trade and other debtors. When assessing the impairment of trade and other debtors, management considers factors including the current credit rating of the debtor, the ageing profile of debtors and historical experience.