1.4.2 Operational information

Our Board and Group Management Committee monitor a range of financial and operational performance indicators, reported on a monthly basis, to measure performance over time. We also monitor a comprehensive set of health, safety, environment and community contribution indicators.

	FY2010	FY2009	FY2008
People and Licence to operate – Health, safety, environment and community			
Total Recordable Injury Frequency (TRIF) (a)	5.3	5.6	5.9
Community investment (US\$M) (a) (b)	200.5	197.8(b)	141.0
Production (c)			
Total Petroleum Production (million barrels of oil equivalent)	158.56	137.97	130.07
Alumina ('000 tonnes)	3,841	4,396	4,554
Aluminium ('000 tonnes)	1,241	1,233	1,298
Copper cathode and concentrate ('000 tonnes)	1,075.2	1,207.1	1,375.5
Nickel ('000 tonnes)	176.2	173.1	167.9
Iron ore ('000 tonnes)	124,962	114,415	112,260
Metallurgical coal ('000 tonnes)	37,381	36,416	35,193
Manganese alloys ('000 tonnes)	583	513	775
Manganese ores ('000 tonnes)	6,124	4,475	6,575
Energy coal ('000 tonnes)	66,131	66,401	80,868

(a) See section 10 for glossary definitions.

a) See Section 10 glossay definitions.

In FY2009 we established a UK-based charitable company, BHP Billiton Sustainable Communities, registered with the UK Charities Commission for the purpose of funding community investment globally. In FY2010 our voluntary community contribution included the provision of US\$80 million (2009: US\$60 million; 2008: \$US0 million) to BHP Billiton Sustainable Communities.

(c) Further details appear in section 2.3 of this Report.

1.5 Risk factors

We believe that, because of the international scope of our operations and the industries in which we are engaged, there are numerous factors which may have an effect on our results and operations. The following describes the material risks that could affect the BHP Billiton Group.

Fluctuations in commodity prices and impacts of the global financial crisis may negatively impact our results

The prices we obtain for our oil, gas, minerals and other commodities are determined by, or linked to, prices in world markets, which have historically been subject to substantial variations. The Group's usual policy is to sell its products at the prevailing market prices. The diversity provided by the Group's broad portfolio of commodities may not fully insulate the effects of price changes. Fluctuations in commodity prices can occur due to sustained price shifts reflecting underlying global economic and geopolitical factors, industry demand and supply balances, product substitution and national tariffs. The ongoing effects of the global financial crisis has impacted commodity markets in terms of lower prices, reduced demand and increased price volatility. The ongoing uncertainty and impact on global economic growth, particularly in the developed economies, may impact future demand and prices for commodities. The influence of hedge and other financial investment funds participating in commodity markets has increased in recent years, contributing to higher levels of price volatility. The impact of potential longer-term sustained price shifts and shorter-term price volatility creates the risk that our financial and operating results and asset values will be materially and adversely affected by unforeseen declines in the prevailing prices of our products.

We seek to maintain a solid 'A' credit rating as part of our strategy. Notwithstanding our financial and capital management programs the ongoing effects of the global financial crisis may impact our future cash flows, ability to adequately access and source capital from financial markets and our credit rating.

Our profits may be negatively affected by currency exchange rate fluctuations

Our assets, earnings and cash flows are influenced by a wide variety of currencies due to the geographic diversity of the countries in which we operate. Fluctuations in the exchange rates of those currencies may have a significant impact on our financial results. The US dollar is the currency in which the majority of our sales are denominated. Operating costs are influenced by the currencies of those countries where our mines and processing plants are located and also by those currencies in which the costs of imported equipment and services are determined. The Australian dollar, South African rand, Chilean peso, Brazilian real and US dollar are the most important currencies influencing our operating costs. Given the dominant role of the US currency in our affairs, the US dollar is the currency in which we present financial performance. It is also the natural currency for borrowing and holding surplus cash. We do not generally believe that active currency hedging provides long-term benefits to our shareholders. We may consider currency protection measures appropriate in specific commercial circumstances, subject to strict limits established by our Board. Therefore, in any particular year, currency fluctuations may have a significant impact on our financial results.

The commercial counterparties we transact with may not meet their obligations and negatively impact our results

We commercially contract with a large number of commercial and financial counterparties including customers, suppliers, and financial institutions. The global financial crisis has placed strains on global financial markets, reduced liquidity and impacted business conditions generally. Our existing counterparty credit controls may not prevent a material loss due to credit exposure to a major customer or financial counterparty. In addition, customers, suppliers, contractors or joint venture partners may fail to perform against existing contracts and obligations. Non-supply of key inputs or equipment may unfavourably impact our operations. Reduced liquidity and available sources of capital in financial markets may impact the cost and ability to fund planned investments. These factors could negatively affect our financial condition and results of operations.

Failure to discover new reserves, maintain or enhance existing reserves or develop new operations could negatively affect our future results and financial condition

The increased demand for our products and increased production rates from our operations in recent years has resulted in existing reserves being depleted at an accelerated rate. As our revenues and profits are related to our oil and gas and minerals operations, our results and financial conditions are directly related to the success of our exploration and acquisition efforts, and our ability to replace existing reserves. Exploration activity occurs adjacent to established operations and in new regions, in developed and less developed countries. These activities may increase land tenure, infrastructure and related political risks. A failure in our ability to discover new reserves, enhance existing reserves or develop new operations in sufficient quantities to maintain or grow the current level of our reserves could negatively affect our results, financial condition and prospects.

There are numerous uncertainties inherent in estimating ore and oil and gas reserves, and geological, technical and economic assumptions that are valid at the time of estimation may change significantly when new information becomes available. The impacts of the global financial crisis may impact economic assumptions related to reserve recovery and require reserve restatements. Reserve restatements could negatively affect our reputation, results, financial condition and prospects.

Reduction in Chinese demand may negatively impact our results

The Chinese market has become a significant source of global demand for commodities. In CY2009, China represented 56 per cent of global seaborne iron ore demand, 36 per cent of copper demand, 35 per cent of nickel demand, 39 per cent of aluminium demand, 42 per cent of energy coal demand and nine per cent of oil demand. China's demand for these commodities has been driving global materials demand over the past decade.

The strong economic growth and infrastructure development in China of recent years has been tempered by the global financial crisis. Sales into China generated US\$13.2 billion (FY2009: US\$9.9 billion), or 25.1 per cent (FY2009: 19.7 per cent), of our revenue in the year ended 30 June 2010. A slowing in China's economic growth could result in lower prices and demand for our products and therefore reduce our revenues.

In response to its increased demand for commodities, China is increasingly seeking strategic self-sufficiency in key commodities, including investments in existing businesses or new developments in other countries. These investments may adversely impact future commodity demand and supply balances and prices.

Actions by governments or political events in the countries in which we operate could have a negative impact on our business

We have operations in many countries around the globe, some of which have varying degrees of political and commercial stability. We operate in emerging markets, which may involve additional risks that could have an adverse impact upon the profitability of an operation. These risks could include terrorism, civil unrest, nationalisation, renegotiation or nullification of existing contracts, leases, permits or other agreements, and changes in laws and policy, as well as other unforeseeable risks. Risks relating to bribery and corruption may be prevalent in some of the countries in which we operate. If one or more of these risks occurs at one of our major projects, it could have a negative effect on the operations in those countries, as well as the Group's overall operating results and financial condition.

Our operations are based on material long term investments that anticipate long term fiscal stability. Following the global financial crisis some governments face increased debt and funding obligations and may seek additional sources of revenue and economic rent by increasing rates of taxation, royalties or resource rent taxes to levels that are globally uncompetitive to the resource industry. Such taxes may negatively impact the financial results of existing businesses and reduce the anticipated future returns and overall level of prospective investment in those countries.

On 2 May 2010, the Australian Government proposed a Resource Super Profits Tax at a rate of 40 per cent on profits made from the extraction of non-renewable resources. Subsequently, on 2 July 2010, this proposal was amended to a Minerals Resource Rent Tax (MRRT), at a rate of 30 per cent (with a 25 per cent extraction allowance – effectively resulted in a 22.5 per cent additional tax on profits) for iron ore and coal, while the current Petroleum Resource Rent Tax (PRRT) will be extended to all Australian oil and gas projects, including the North West Shelf. Legislation is proposed to be introduced into parliament in late CY2011, and then for the commencement date of the new tax regime to be 1 July 2012. The MRRT would operate in parallel with State and Territory royalty regimes, and those royalties in place or scheduled at 2 May 2010 would be creditable against the MRRT. The proposed MRRT would increase the effective tax rate of Australian coal and iron ore operations and the North West Shelf project. This could have a negative effect on the operating results of the Group's Australian operations. The MRRT is subject to passing by the Australian Parliament and may differ (wholly or in part) in its final form.

With the objective of raising more funds to face the reconstruction following the recent earthquake in Chile, the Chilean Government announced on 16 April 2010 an intention to increase the Corporate Income Tax rate (First Category Tax -FCT) as well as changing the Mining Tax in exchange for extending the tax invariability period available to investors, from 2017 currently in place for an extra eight years to 2025. The current draft legislation proposes a temporary increase of the FCT rate for two years (2010-2011) with the change in the Mining Tax regime having been removed from the current proposed bill. Any potential tax changes in the future if implemented may impact our financial results from Chilean operations.

Our business could be adversely affected by new government regulation, such as controls on imports, exports and prices. Increasing requirements relating to regulatory, environmental and social approvals can potentially result in significant delays in construction and may adversely impact upon the economics of new mining and oil and gas projects, the expansion of existing operations and results of our operations.

Infrastructure, such as rail, ports, power and water, is critical to our business operations. We have operations or potential development projects in countries where government provided infrastructure or regulatory regimes for access to infrastructure, including our own privately operated infrastructure, may be inadequate or uncertain. These may adversely impact the efficient operations and expansion of our businesses. On 30 June 2010, the Australian Competition Tribunal granted declaration of BHP Billiton's Goldsworthy rail line, but rejected the application for declaration of its Newman rail line under Part IIIA of the Trade Practices Act. Following the tribunal's decision, access seekers may now negotiate for access to the Goldsworthy railway. These negotiations, and the availability and terms of access, would be governed by the Part IIIA statutory framework, and either the access seeker or BHP Billiton could refer disputed matters to the ACCC for arbitration. The outcome of this process would govern whether access would be provided and on what terms.

In South Africa, the Mineral and Petroleum Resources Development Act (2002) (MPRDA) came into effect on 1 May 2004. The law provides for the conversion of existing mining rights (so called 'Old Order Rights') to rights under the new regime ('New Order Rights') subject to certain undertakings to be made by the company applying for such conversion. The Mining Charter requires that mining companies achieve 15 per cent ownership by historically disadvantaged South Africans of South African mining assets by 1 May 2009 and 26 per cent ownership by 1 May 2014. If we are unable to convert our South African mining rights in accordance with the MPRDA and the Mining Charter, we could lose some of those rights. Where New Order Rights are obtained under the MPRDA, these rights may not be equivalent to the Old Order Rights in terms of duration, renewal, rights and obligations.

In May 2010, in response to the oil spill from BP's Macondo well, the United States Government announced a deepwater drilling moratorium in the Gulf of Mexico. There is uncertainty as to potential new permitting requirements that may be imposed on deepwater drilling. Our business could be adversely affected by the moratorium and any new regulatory requirements.

We operate in several countries where ownership of land is uncertain and where disputes may arise in relation to ownership. In Australia, the Native Title Act (1993) provides for the establishment and recognition of native title under certain circumstances. In South Africa, the Extension of Security of Tenure Act (1997) and the Restitution of Land Rights Act (1994) provide for various landholding rights. Such legislation could negatively affect new or existing projects.

We may not be able to successfully integrate our acquired businesses

We have grown our business in part through acquisitions. We expect that some of our future growth will stem from acquisitions. There are numerous risks encountered in business combinations. These include adverse regulatory conditions and obligations, commercial objectives not achieved due to minority interests, unforeseen liabilities arising from the acquired businesses, retention of key staff, sales revenues and the operational performance not meeting our expectations, anticipated synergies and cost savings being delayed or not being achieved, uncertainty in sales proceeds from planned divestments, and planned expansion projects are delayed or cost more than anticipated. These factors could negatively affect our financial condition and results of operations.

We may not recover our investments in mining and oil and gas projects

Our operations may be impacted by changed market or industry structures, commodity prices, technical operating difficulties, inability to recover our mineral, oil or gas reserves and increased operating cost levels. These may impact the ability for assets to recover their historical investment and may require financial write-downs adversely impacting our financial results.

Our non-controlled assets may not comply with our standards

Some of our assets are controlled and managed by joint venture partners or by other companies. Some joint venture partners may have divergent business objectives which may impact business and financial results. Management of our non-controlled assets may not comply with our management and operating standards, controls and procedures (including health, safety, and environment). Failure to adopt equivalent standards, controls and procedures at these assets could lead to higher costs and reduced production and adversely impact our results and reputation.

Operating cost pressures and shortages could negatively impact our operating margins and expansion plans

Increasing cost pressures and shortages in skilled personnel, contractors, materials and supplies that are required as critical inputs to our existing operations and planned developments may occur across the resources industry. As the prices for our products are determined by the global commodity markets in which we operate we may not have the ability to offset these cost increases resulting in operating margins being reduced. Notwithstanding our efforts to reduce costs and a number of key cost inputs being commodity price-linked, the inability to reduce costs and a timing lag may impact our operating margins for an extended period.

Changing industrial relations legislation such as the Australian Fair Work Act 2009 may impact workforce flexibility, productivity and costs. Labour unions may seek to pursue claims under the new framework. Industrial action may impact our operations resulting in lost production and revenues. Since the introduction of the Australian Fair Work Act in 2009, increasing occurrences of low-level industrial activity have been experienced across many Australian assets. The additional claims relate to increased access and coverage as provided by the legislation. If this activity continues, some negative productivity impacts may result.

A number of our operations are energy or water intensive and, as a result, the Group's costs and earnings could be adversely affected by rising costs or by supply interruptions. These could include the unavailability of energy, fuel or water due to a variety of reasons, including fluctuations in climate, significant increases in costs, inadequate infrastructure capacity, interruptions in supply due to equipment failure or other causes and the inability to extend supply contracts on economical terms.

These factors could lead to increased operating costs at existing operations.

Increased costs and schedule delays may impact our development projects

Although we devote significant time and resources to our project planning, approval and review process, we may underestimate the cost or time required to complete a project. In addition, we may fail to manage projects as effectively as we anticipate, and unforeseen challenges may emerge. Any of these may result in increased capital costs and schedule delays at our development projects impacting anticipated financial returns.

Health, safety, environmental and community exposures and related regulations may impact our operations and reputation negatively

We are a major producer of carbon-related products such as energy and metallurgical coal, oil, gas, and liquefied natural gas. Our oil and gas operations are both onshore and offshore.

The nature of the industries in which we operate means that our activities are highly regulated by health, safety and environmental laws. As regulatory standards and expectations are constantly developing, we may be exposed to increased litigation, compliance costs and unforeseen environmental rehabilitation expenses.

Potential health, safety, environmental and community events that may materially impact our operations include rockfall incidents in underground mining operations, aircraft incidents, light vehicle incidents, explosions or gas leaks, incidents involving mobile equipment, uncontrolled tailings breaches, escape of polluting substances, community protests or civil unrest.

Longer-term health impacts may arise due to unanticipated workplace exposures by employees or site contractors. These effects may create future financial compensation obligations.

We provide for operational closure and site rehabilitation. Our operating and closed facilities are required to have closure plans. Changes in regulatory or community expectations may result in the relevant plans not being adequate. This may impact financial provisioning and costs at the affected operations.

We contribute to the communities in which we operate by providing skilled employment opportunities, salaries and wages, taxes and royalties and community development programs. Notwithstanding these actions, local communities may become dissatisfied with the impact of our operations, potentially affecting costs and production, and in extreme cases viability.

Legislation requiring manufacturers, importers and downstream users of chemical substances, including metals and minerals, to establish that the substances can be used without negatively affecting health or the environment may impact our operations and markets. These potential compliance costs, litigation expenses, regulatory delays, rehabilitation expenses and operational costs could negatively affect our financial results.

We may continue to be exposed to increased operational costs due to the costs and lost time associated with the HIV/AIDS and malaria infection rate mainly within our African workforce. Because we operate globally, we may be affected by potential pandemic influenza outbreaks, such as A(H1N1) and avian flu, in any of the regions in which we operate.

Despite our best efforts and best intentions, there remains a risk that health, safety, environmental and/or community incidents or accidents may occur that may negatively impact our reputation or licence to operate.

Unexpected natural and operational catastrophes may adversely impact our operations

We operate extractive, processing and logistical operations in many geographic locations both onshore and offshore. Our operational processes may be subject to operational accidents such as port and shipping incidents, fire and explosion, pitwall failures, loss of power supply, railroad incidents, loss of well control, environmental pollution and mechanical failures. Our operations and geographic locations may also be subject to unexpected natural catastrophes such as earthquakes, flood, hurricanes and tsunamis. Based on our claims, insurance premiums and loss experience, our risk management approach is to maintain self-insurance for property damage and business interruption related risk exposures. Existing business continuity plans may not provide protection for all of the costs that arise from such events. The impact of these events could lead to disruptions in production and loss of facilities more than offsetting premiums saved and adversely affect our financial results and prospects. Third party claims arising from these events may also exceed the limit of liability insurance policies we have in place.

Climate change and greenhouse effects may adversely impact our operations and markets

Carbon based energy is a significant input in a number of the Group's mining and processing operations and we have significant sales of carbon based energy products

A number of governments or governmental bodies have introduced or are contemplating regulatory change in response to the impacts of climate change. The December 1997 Kyoto Protocol established a set of greenhouse gas emission targets for developed countries that have ratified the Protocol. The European Union Emissions Trading System (EU ETS), which came into effect on 1 January 2005, has had an impact on greenhouse gas and energy-intensive businesses based in the EU. Our Petroleum assets in the UK are currently subject to the EU ETS, as are our EU based customers. Elsewhere, there is current and emerging climate change regulation that will affect energy prices, demand and margins for carbon intensive products. The Australian Government's plan of action on climate change includes the introduction of a national emissions trading scheme by 2013 and a mandatory renewable energy target of 20 per cent by the year 2020. From a medium to long-term perspective, we are likely to see some changes in the cost position of our greenhouse-gas-intensive assets and energy-intensive assets as a result of regulatory impacts in the countries in which we operate. These regulatory mechanisms may impact our operations directly or indirectly via our suppliers and customers. Inconsistency of regulations particularly between developed and developing countries may also change the competitive position of some of our assets. Assessments of the potential impact of future climate change regulation are uncertain given the wide scope of potential regulatory change in the many countries in which we operate.

The physical impacts of climate change on our operations are highly uncertain and will be particular to the geographic circumstances. These may include changes in rainfall patterns, water shortages, rising sea levels, increased storm intensities and higher average temperature levels. These effects may adversely impact the productivity and financial performance of our operations.

Our human resource talent pool may not be adequate to support our growth

Our existing operations and especially our pipeline of development projects in regions of numerous large projects, such as Western Australia, when activated, require many highly skilled staff with relevant industry and technical experience. In such a competitive environment, the inability of the Group and industry to attract and retain such people may adversely impact our ability to adequately meet demand in projects. Skills shortages in engineering, technical service, construction and maintenance may impact activities. These shortages may adversely impact the cost and schedule of development projects and the cost and efficiency of existing operations.

Breaches in our information technology (IT) security processes may adversely impact the conduct of our business activities

We maintain global IT and communication networks and applications to support our business activities. IT security processes protecting these systems are in place and subject to assessment as part of the review of internal control over financial reporting. These processes may not prevent future malicious action or fraud by individuals or groups, resulting in the corruption of operating systems, theft of commercially sensitive data, misappropriation of funds and disruptions to our business operations.

A breach in our governance processes may lead to regulatory penalties and loss of reputation

We operate in a global environment straddling multiple jurisdictions and complex regulatory frameworks. Our governance and compliance processes, which include the review of internal control over financial reporting, may not prevent future potential breaches of law, accounting or governance practice. Our BHP Billiton Code of Business Conduct, anti-bribery and corruption, and anti-trust standards may not prevent instances of fraudulent behaviour and dishonesty nor guarantee compliance with legal or regulatory requirements. This may lead to regulatory fines, litigation, loss of operating licences or loss of reputation.

1.6 Forward looking statements

This Annual Report contains forward looking statements, including statements regarding:

- · estimated reserves
- trends in commodity prices
- · demand for commodities
- · plans, strategies and objectives of management
- · closure or divestment of certain operations or facilities (including associated costs)
- anticipated production or construction commencement dates

- · expected costs or production output
- anticipated productive lives of projects, mines and facilities
- · provisions and contingent liabilities.

Forward looking statements can be identified by the use of terminology such as 'intend', 'aim', 'project', 'anticipate', 'estimate', 'plan', 'believe', 'expect', 'may', 'should', 'will', 'continue' or similar words. These statements discuss future expectations concerning the results of operations or financial condition, or provide other forward looking statements.

These forward looking statements are not guarantees or predictions of future performance, and involve known and unknown risks, uncertainties and other factors, many of which are beyond our control, and which may cause actual results to differ materially from those expressed in the statements contained in this Annual Report. Readers are cautioned not to put undue reliance on forward looking statements.

For example, our future revenues from our operations, projects or mines described in this Annual Report will be based, in part, upon the market price of the minerals, metals or petroleum produced, which may vary significantly from current levels. These variations, if materially adverse, may affect the timing or the feasibility of the development of a particular project, the expansion of certain facilities or mines, or the continuation of existing

Other factors that may affect the actual construction or production commencement dates, costs or production output and anticipated lives of operations, mines or facilities include our ability to profitably produce and transport the minerals, petroleum and/or metals extracted to applicable markets; the impact of foreign currency exchange rates on the market prices of the minerals, petroleum or metals we produce; activities of government authorities in some of the countries where we are exploring or developing these projects, facilities or mines, including increases in taxes, changes in environmental and other regulations and political uncertainty; and other factors identified in the description of the risk factors above.

We cannot assure you that our estimated economically recoverable reserve figures, closure or divestment of such operations or facilities, including associated costs, actual production or commencement dates, cost or production output or anticipated lives of the projects, mines and facilities discussed in this Annual Report, will not differ materially from the statements contained in this Annual Report.

Except as required by applicable regulations or by law, the Group does not undertake any obligation to publicly update or review any forward looking statements, whether as a result of new information or future events.