RIO TINTO PLC
Form 11-K
June 29, 2010

UNITED STATES

SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 11-K

(Mark One)

x ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2009

or

o TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _______ to ______.

Commission file number 001-10533

A. Full title of the plan and the address of the plan, if different from that of the issuer named below:

KENNECOTT CORPORATION SAVINGS PLAN FOR HOURLY EMPLOYEES

B. Name of the issuer of the securities held pursuant to the plan and the address of its principal executive office:

Rio Tinto plc

5 Aldermanbury Square
London EC2V 7HR
United Kingdom

KENNECOTT CORPORATION SAVINGS PLAN
FOR HOURLY EMPLOYEES

Financial Statements and Supplemental Schedule

As of December 31, 2009 and 2008 and for the
Year Ended December 31, 2009

Together with Report of Independent Registered Public
Accounting Firm

KENNECOTT CORPORATION SAVINGS PLAN
FOR HOURLY EMPLOYEES
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All other schedules required by Section 2520.103-10 of the Department of Labor’s Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable to the Kennecott Corporation Savings Plan for Hourly Employees.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

The Rio Tinto America Benefits Governance Committee
Kennecott Corporation Savings Plan for Hourly Employees

We have audited the accompanying statements of assets available for benefits of the Kennecott Corporation Savings Plan for Hourly Employees (the Plan) as of December 31, 2009 and 2008 and the related statement of changes in assets available for benefits for the year ended December 31, 2009. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control over financial reporting. Accordingly, we express no such opinion. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the assets available for benefits of the Kennecott Corporation Savings Plan for Hourly Employees as of December 31, 2009 and 2008, and the changes in assets available for benefits for the year ended December 31, 2009, in conformity with U.S. generally accepted accounting principles.

Our audits of the financial statements were performed for the purpose of forming an opinion on the basic financial statements taken as a whole. The supplemental Schedule of Assets (Held at End of Year) as of December 31, 2009 is presented for the purpose of additional analysis and is not a required part of the basic financial statements, but is supplementary information required by the United States Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. The supplemental schedule is the responsibility of the Plan's management and has been subjected to the auditing procedures applied in the audit of the basic financial statements and, in our opinion, is fairly stated in all material respects in relation to the basic financial statements taken as a whole.

/s/ Tanner LC
Salt Lake City, Utah
June 29, 2010

KENNECOTT CORPORATION SAVINGS PLAN
FOR HOURLY EMPLOYEES

Statements of Assets Available for Benefits

	December 31,	
Assets	2009	2008
Investments, at fair value	$50,161,012	$37,320,406
Employer contributions receivable	-	882
Assets available for benefits, at fair value	50,161,012	37,321,288
Adjustment from fair value to contract value for fully benefit-responsive investment contracts	574,180	1,527,210
Assets available for benefits	$50,735,192	$38,848,498

See accompanying notes to financial statements.

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KENNECOTT CORPORATION SAVINGS PLAN
FOR HOURLY EMPLOYEES

Statement of Changes in Assets Available for Benefits

	Year Ended December 31, 2009
Additions to assets attributed to:	
Contributions:	
Employee	$2,645,754
Employer	855,001
Total contributions	3,500,755
Net investment income:	
Net appreciation in fair value of investments	10,118,662
Interest and dividends	1,664,977
Total investment income, net	11,783,639
Total additions	15,284,394
Deductions from assets attributed to:	
Benefits paid to participants	3,133,963
Transfers to the Rio Tinto America Inc. Savings Plan	243,445
Administrative expenses	20,292
Total deductions	3,397,700
Net increase in assets available for benefits	11,886,694
Assets available for benefits:	
Beginning of year	38,848,498
End of year	$50,735,192

See accompanying notes to financial statements.

1. Description of the Plan

The following brief description of the Kennecott Corporation Savings Plan for Hourly Employees (the Plan) is provided for general information purposes only. Participants should refer to the plan document and the summary plan description for more complete information.

General

The Plan is a defined contribution plan covering all full-time hourly employees who are represented by or included in a collective bargaining unit of Kennecott Utah Copper Corporation and its affiliates (collectively, the Company or the Employer), as defined in the plan document. Eligible employees can participate in the Plan immediately after completing three months of continuous service. Kennecott Utah Copper Corporation is an indirect wholly owned subsidiary of Rio Tinto America Inc., which is an indirect wholly owned subsidiary of Rio Tinto plc (the Parent). The Plan is intended to be a qualified retirement plan under the Internal Revenue Code (IRC) and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

Contributions

Each year, participants may elect, under a salary reduction agreement, to contribute to the Plan an amount not less than 1% and not more than 19% of their eligible compensation on a before-tax basis through payroll deductions. Contributions are limited by the IRC, which established a maximum contribution of $16,500 ($22,000 for participants over age 50) for the year ended December 31, 2009. Participant contributions are recorded in the period during which the amounts are withheld from participant earnings. Participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans.

The Company matches the participants' contributions to the Plan at 50%, up to the first 6% of their eligible compensation. Matching contributions are recorded on the date the related participant contributions are withheld.

Participant Accounts

Individual accounts are maintained for each Plan participant. Each participant's account is credited with the participant's contributions, the Company's matching contribution, and an allocation of the Plan's earnings, and is charged with withdrawals and an allocation of the

Plan's losses and administrative expenses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

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1. Description of the Plan Continued

Participant-Directed Options for Investments
Participants direct the investment of their contributions and the Company matching contributions into various investment options offered by the Plan. Investment options include mutual funds, a common collective trust, common stock of the Parent in the form of American Depositary Receipts (ADRs), and a stable value fund consisting of a money market fund, a common collective trust and synthetic guaranteed investment contracts.

Vesting
Participants are immediately vested in their contributions plus actual earnings thereon. Vesting in the Company's contribution portion of their accounts is based on years of continuous service. A participant is 100% cliff vested after three years of credited service. Upon death and retirement a participant becomes 100% vested.

Payment of Benefits
On termination of service due to death, disability, or retirement, participants or their beneficiaries may elect to receive a lump-sum distribution in an amount equal to the value of the participants' vested interests in their accounts. Under certain circumstances, participants may withdraw their contributions prior to the occurrence of these events.

Transfers
Along with the Plan, the Company employees also participate in another 401(k) plan that covers employees not represented by a collective bargaining unit (union). If employees change from union to non-union status during the year, their account balances are transferred from the Plan to the non-union plan; namely, the Rio Tinto America Inc. 401(k) Savings Plan and Investment Partnership Plan. For the year ended December 31, 2009, transfers out of the Plan totaled $243,445.

Forfeited Accounts
Forfeited non-vested participant account balances may be used to reduce future Company contributions to the Plan. During the year ended December 31, 2009, $20,268 in forfeitures was used to pay expenses of the Plan. Forfeitures were $4,251 for the year ended December 31, 2009. Interest and dividends attributable to the forfeitures were $439 for the year ended December 31, 2009. Gains attributable to the forfeitures were $1,976 for the year ended December 31, 2009. As of December 31, 2009 and 2008, the

balance of the forfeiture account was $2,627 and $16,229, respectively.

2. Summary of Significant Accounting Policies

Basis of Presentation

The financial statements of the Plan have been prepared on the accrual basis of accounting in accordance with U.S. generally accepted accounting principles.

The Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 962 (formerly known as FASB staff position No. AAG INV-1 and Statement of Position (SOP) 94-4-1, Reporting of Fully Benefit-Responsive Investment Contracts Held by Certain Investment Companies Subject to the AICPA Investment Company Guide and Defined-Contribution Health and Welfare and Pension Plans (the FSP), requires investment contracts held by a defined-contribution plan to be reported at fair value. However, contract value is the relevant measurement attribute for that portion of the assets available for benefits of a defined-contribution plan attributable to fully benefit-responsive investment contracts because contract value is the amount participants would receive if they were to initiate permitted transactions under the terms of the plan. As required by the FSP, the Statement of Assets Available for Benefits presents the fair value of the investment contract as well as the adjustment of the fully benefit-responsive investment contract from fair value to contracts value. The Statement of Changes in Assets Available for Benefits is prepared on a contract value basis.

Use of Estimates

The preparation of the Plan's financial statements in conformity with U.S. generally accepted accounting principles requires Plan management to make estimates and assumptions that affect the reported amounts of assets available for benefits at the date of the financial statements, the changes in assets available for benefits during the reporting period and, when applicable, the disclosures of contingent assets and liabilities at the date of the financial statements. Actual results could differ from those estimates.

Risks and Uncertainties

The Plan provides for investments in securities that are exposed to various risks, such as interest rate, currency exchange rate, credit and overall market fluctuation. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the Statements of Assets Available for Benefits.

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2. Summary of Significant Accounting Policies Continued

Investment Valuation and Income Recognition
The Plan's investments in mutual funds are valued at quoted market prices, which represent the net asset values of units held by the Plan at year end. Plan investments in common stock are stated at fair value based on quoted market prices. Common collective trusts are valued at the asset value per unit as determined by each common collective trust as of the valuation date. The fair value of the Plan's interest in the Dwight Stable Value Fund (see detail of investments included in this fund in Note 4) is generally based upon the per-share net asset values of the underlying securities.

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on an accrual basis. Dividends are recorded on the ex-dividend date.

The net appreciation in the fair value of investments, which includes realized gains (losses) and unrealized appreciation (depreciation) on those investments, is presented in the Statement of Changes in Assets Available for Benefits of the Plan, and totaled $10,118,662 for the year ended December 31, 2009 (see Note 7).

Payments of Benefits
Benefits are recorded when paid by the Plan.

Administrative Expenses
The Company pays the majority of costs and expenses incurred in administering the Plan. The Company provides accounting and other services for the Plan at no cost to the Plan.

The Plan has several fund managers that manage the investments held by the Plan. Fees for investment fund management services are included as a reduction of the return earned on each fund. In addition, during the year ended December 31, 2009, the Company paid all investment consulting fees related to these investment funds.

The fees related to transaction costs associated with the purchase or sale of Rio Tinto plc ADRs are paid by the participants.

Participant Loans
Loans are not permitted to be made to participants in the Plan.

Subsequent Events

The Plan has evaluated events occurring between the end of its most recent fiscal year and the date the financial statements were available for issue.

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3. Recent Accounting Pronouncements

In September 2009, the FASB issued Accounting Standards Update (ASU) No. 2009-12, Fair Value Measurements and Disclosures (Topic 820): Investments in Certain Entities That Calculate Net Asset Value per Share (or Its Equivalent), which provides guidance regarding fair value measurement of investments in certain entities that calculate net asset value per share (or its equivalent). This update applies to investments that do not have a readily determinable fair value and are held by an entity that is required to report investment assets at fair value. This update creates a practical expedient to measure the fair value of such investments on the basis of the net asset value per share (or its equivalent) and requires disclosures by major category of investments about the attributes of investments, such as the nature of any restrictions on the investor's ability to redeem its investments at the measurement date, any unfunded commitments, and the investment strategies of the investees. The Plan's adoption of this update did not have a material effect on the Plan's financial statements.

In January 2010, the FASB issued ASU No. 2010-06, Fair Value Measurements and Disclosures (Topic 820): Improving Disclosures about Fair Value Measurements (ASU 2010-06). ASU 2010-06 amends Subtopic 820-10 to require disclosure of the transfers in and out of Levels 1 and 2. The update also requires additional information for Level 3 related to purchases, sales, issuances and settlements, and requires more detailed disclosure regarding valuation techniques and inputs. ASU 2010-06 as it relates to Levels 1 and 2 is effective for fiscal years and interim periods beginning after December 15, 2009. Requirements relating to Level 3 are effective for fiscal years and interim periods beginning after December 15, 2010. The Plan adopted the current effective provisions of ASU 2010-06 during January 2010, and its application is not expected to have a material impact on the Plan's financial statements.

4. Fully Benefit-Responsive Investment Contracts

The Plan's investments include the Dwight Stable Value Fund. The Dwight Stable Value Fund is invested in the following:

· A money market fund (TBC Pooled Employee Daily Liquidity Fund);
· A fully benefit-responsive common collective trust (the SEI Stable Asset Fund); and
· Fully benefit-responsive synthetic guaranteed investment contracts (GICs), as follows:

a. Synthetic GIC, Dwight Managed Target 2, no specified maturity date, 2.19%;
b. Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 2.19%;
c. Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 3.85%;
d. Synthetic GIC, Dwight Intermediate Core Plus Fund, no specified maturity date, 4.46%;
e. Synthetic GIC, Dwight Managed Target 2, no specified maturity date, 1.74%; and
f. Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 1.74%

Synthetic GICs provide for a guaranteed return on principal over a specified period of time through fully benefit-responsive wrap contracts, issued by a third party, which are secured by underlying assets. The Plan's wrap contracts have credit ratings ranging from AA+ to AAA. The assets underlying the wrap contracts include diversified bond portfolios. These bond portfolios include investments in securities with contractual cash flows, such as asset backed securities, collateralized mortgage obligations and commercial mortgage backed securities, including securities backed by subprime mortgage loans. The value, liquidity and related income of these securities are sensitive to changes in economic conditions, including real estate value, delinquencies or defaults, or both, and may be adversely affected by shifts in the market's perception of the issuers and changes in interest rates.

4. Fully Benefit-Responsive Investment Contracts Continued

The crediting interest rates of the contracts are based on agreed-upon formulas with the issuing third-party, as defined in the contract agreement, but cannot be less than zero. The contract or crediting interest rates for the GICs are typically reset quarterly and are based on capital market developments, the performance of the assets backing the contract, and the expected and actual contributions and withdrawals of all of the plans participating in the contract. These contracts typically provide that realized and unrealized gains and losses on the underlying assets are not reflected immediately in the assets of the fund. Realized and unrealized gains and losses are amortized, usually over the time to maturity or the duration of the underlying investments, through adjustments to the future interest crediting rate. Additional inputs used to determine the crediting interest rates include each contract's portfolio market value, current yield-to-date maturity, duration, and market value relative to contract value.

The fair value of the investment contracts relative to the contract value are reflected in the Statements of Assets Available for Benefits as "adjustment from fair value to contract value for fully benefit-responsive investment contracts" (adjustment).

If the adjustment is positive, this indicates that the contract value is greater than the fair value. The embedded losses will be amortized in the future through a lower interest crediting rate than would otherwise be the case. If the adjustment is negative, this indicates that the contract value is less than the fair value. The embedded gains will cause the future interest crediting rate to be higher than it otherwise would have been. A positive adjustment is reflected in the Plan's Statements of Assets Available for Benefits as of December 31, 2009 and 2008 in the amount of $574,180 and $1,527,210, respectively.

These wrap contracts provide benefit withdrawals and investment exchanges at the full contract value of the synthetic contracts (principal plus accrued interest) notwithstanding the actual market value of the underlying investments (fair value plus accrued interest). There are no reserves against contract value for credit risk of the contract issuer or otherwise.

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4. Fully Benefit-Responsive Investment Contracts Continued

Certain events may limit the ability of the Plan to transact at contract value with the issuer of fully benefit-responsive investment contracts. Such events include the following: (1) amendments to the Plan documents (including complete or partial plan termination or merger with another plan), (2) bankruptcy of the Company or other Company events (for example, divestiture or spin-off of a subsidiary) that cause a significant withdrawal from the Plan, or (3) the failure of the trust to qualify for exemption from federal income taxes or any required prohibited transaction exemption under ERISA, as amended. The Plan Administrator does not believe that the occurrence of any such event, which would limit the Plan's ability to transact at contract value with participants, is probable. The contracts provide that withdrawals associated with certain events which are not in the ordinary course of fund operations, and are determined by the issuer to have a material adverse effect on the issuer's financial interest, may be paid at other than contract value.

Absent the events described in the preceding paragraph, the synthetic guaranteed investment contracts do not permit the issuers to terminate the agreements prior to the scheduled maturity dates.

Average duration for all investment contracts was 2.89 and 2.71 years as of December 31, 2009 and 2008, respectively. Average yield data for all fully benefit-responsive investment contracts for the years ended December 31, 2009 and 2008 were as follows:

Average Yields:	2009	2008
Based on actual earnings	3.14%	5.54%
Based on interest rate credited to participants	2.33%	4.06%

5. Parties-in-Interest Transactions

Certain Plan investments are managed by Mercer Human Resources, the Plan trustee. Therefore, these transactions are exempt party-in-interest transactions. Fees paid by the Plan for investment management services were included as a reduction of the return earned on each fund.

Transactions associated with Rio Tinto plc ADRs are considered exempt party-in-interest transactions because Rio Tinto plc is the Parent of the Company. As of December 31, 2009 and 2008, the Plan held 42,780 and 33,728 shares, respectively, of common stock of Rio Tinto plc. During the year ended December 31, 2009, the Plan recorded dividend income of $902,721 related to these shares.

6. Global Securities Lending Program

The Plan participates in the State Street Bank and Trust Company S&P 500 Flagship Securities Lending Series C Fund (the Fund), a common collective trust. The Fund invests in certain collective investment funds that participate in the State Street Global Securities Lending Program (Lending Funds). Under the State Street Global Securities Lending Program, securities held by Lending Funds are loaned by State Street Bank, as agent, to certain brokers and other financial institutions (the Borrowers). The Borrowers provide cash, securities, or letters of credit as collateral against loans in an amount at least equal to 100% of the fair value of the loaned securities.

The Borrowers are required to maintain the collateral at not less than 100% of the fair value of the loaned securities. Cash collateral provided by the Borrowers may be invested in State Street Bank and Trust Company Collateral Funds (Cash Collateral Funds). The Lending Funds invested cash provided by the Borrowers into the State Street Bank and Trust Company Quality Trust for SSgA Funds.

Risks and Indemnification
State Street Bank, as lending agent, indemnifies Lending Funds for replacement of any loaned securities (or, in certain circumstances, return of equivalent cash value) due to Borrower default on a security loan. Lending Fund participants, however, bear the risk of loss with respect to the investment of collateral.

Withdrawal Safeguards
From time to time, the Trustee of the Lending Funds may exercise its rights in order to protect all participants in the State Street Bank securities lending funds. In an effort to better ensure safety of principal and better maintain adequate liquidity, as well as achieve favorable returns for all securities lending program participants, State Street Bank has temporarily implemented withdrawal safeguards on full or partial redemptions from certain securities lending funds.

The objective of these withdrawal safeguards is to protect the interest of all participants, while providing the maximum level of liquidity that can be prudently made available to all participants. These withdrawal safeguards permit redemptions resulting from ordinary course activity, subject to certain thresholds. Ordinary course activity also may include periodic participant rebalancing of their investment portfolio between Lending Funds and other State Street Bank collective investment funds. Requests for redemptions above these withdrawal safeguards may result in proceeds consisting of cash, units of other State Street Bank collective investment funds, units of Cash Collateral Funds that will be converted into units of a liquidating trust, or a combination thereof. The Trustee continues to monitor market conditions and evaluates the need for withdrawal safeguards, as appropriate.

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6. Global Securities Lending Program Continued

Investment in Cash Collateral Fund Valuation

Management of the Lending Funds regularly reviews the performance of the Cash Collateral Funds and the variation between their per unit fair values and $1.00. The Cash Collateral Funds primarily utilize quotations from independent pricing services, quotations from bond dealers and information with respect to bond and note transactions (pricing service information) to determine the fair value of its investments. Such pricing service information may also consist of quotations derived from valuation models or matrix pricing. As of December 31, 2009, the per unit fair value was $0.98 for the State Street Bank and Trust Company Quality Trust for SSgA Funds.

For the purposes of determining transaction price for issuances and redemptions of Lending Fund units, management of the Lending Funds also evaluates additional inputs to the fair value of the Lending Funds' investments in the Cash Collateral Funds, including among other things current market conditions, credit quality, liquidity of the Cash Collateral Funds and the assessed probability of incurring a realized loss on Cash Collateral Fund Assets. Additionally, management of the Lending Funds evaluates the qualitative aspects of the State Street Global Securities Lending Program, including the historical performance of State Street Bank as lending agent, the Cash Collateral Funds' investment strategy and past performance, and the expected continuing transactions price of the Cash Collateral Funds at $1.00 per unit.

Accordingly, for purposes of calculating the transaction price of the Lending Funds, management of the Lending Funds has valued its investments in Cash Collateral Funds at their per unit transaction price of $1.00. Management of the Lending Funds will continue to review the Lending Funds participation in the State Street Global Securities Lending Program, including the appropriateness of the fair value of the Lending Funds' investments in the Cash Collateral Funds at $1.00 per unit for transaction purposes or, alternatively, at a lower per unit fair value.

KENNECOTT CORPORATION SAVINGS PLAN
FOR HOURLY EMPLOYEES
Notes to Financial Statements
Continued

7. Investments

The Plan's investments, stated at fair value, that represented five percent or more of the Plan's assets available for benefits as of December 31, 2009 and 2008 are as follows:

	2009	2008
Assets of the Dwight Stable Value Fund:		
TBC Pooled Employee Daily Liquidity Fund	$ 504,221	$ 285,827
State Street Bank & Trust Synthetic GICs	8,045,368	7,459,595
Monumental Life Insurance Company Synthetic GICs	5,724,167	5,324,778
SEI Stable Asset Fund	3,437,063	4,543,520
Total Dwight Stable Value Fund Assets	17,710,819	17,613,720
Dodge and Cox Stock Fund	4,672,099	3,507,307
Rio Tinto plc ADRs	9,214,333	2,998,791
State Street Bank and Trust Company S&P 500 Flagship Securities Lending Series C Fund	3,176,667	2,456,173
Harbor Capital Appreciation Fund	3,290,389	2,315,901
PIMCO Total Return Fund	3,341,518	2,406,318
American Funds Europacific Growth Fund	2,928,997	2,085,841

During the year ended December 31, 2009, the Plan's investments (including gains and losses on investments bought and sold, as well as held during the year) appreciated in value as follows:

Common stock	$4,891,865
Mutual funds	4,562,701
Common collective trusts	664,096
Net appreciation	$10,118,662

7. Investments Continued

Authoritative guidance establishes a hierarchy for inputs used in measuring fair value that maximizes the use of observable inputs and minimizes the use of unobservable inputs by requiring that the most observable inputs be used when available. Observable inputs are market inputs participants would use in valuing the asset or liability and are developed based on market data obtained from sources independent of the Company. Unobservable inputs are inputs that reflect the Company's assumptions about the factors market participants would use in valuing the asset or liability. The guidance establishes three levels of inputs that may be used to measure fair value:

Level 1: Quoted prices in active markets for identical assets or liabilities.

Level 2: Observable inputs other than Level 1 that can be corroborated by observable market data.

Level 3: Unobservable inputs supported by little or no market activity, requiring significant management judgment or estimation for the determination of fair value.

The following table summarizes the assets or liabilities carried at fair value by fair value hierarchy level, as described above, as of December 31:

2009

Description	Level 1	Level 2	Level 3	Total
Money market fund	$ 593,979	$ -	$ -	$ 593,979
Common collective trusts	-	6,613,730	-	6,613,730
Mutual funds	19,969,435	-	-	19,969,435
Synthetic guaranteed investment contracts	-	13,769,535	-	13,769,535
Common stock	9,214,333	-	-	9,214,333
	$ 29,777,747	$ 20,383,265	$ -	$ 50,161,012

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7. Investments
Continued

2008

Description	Level 1	Level 2	Level 3	Total
Money market fund	$ 285,827	$ -	$ -	$ 285,827
Common collective trusts	-	6,999,693	-	6,999,693
Mutual funds	14,251,722	-	-	14,251,722
Synthetic guaranteed investment contracts	-	12,784,373	-	12,784,373
Common stock	2,998,791	-	-	2,998,791
	$ 17,536,340	$ 19,784,066	$ -	$ 37,320,406

8. Plan Termination

The terms of the Plan may be amended, modified or discontinued after the effective date of the Savings Plan Agreement. Such amendment, modification or discontinuance may occur pursuant to negotiations for employees at Kennecott Utah Copper Corporation who are represented by the labor organizations that are jointly referred to as the Union, or as required by law, or to gain Internal Revenue Service approval. No change, however, shall make it possible for any part of the funds of the Plan to be used for or diverted for purposes other than for the exclusive benefit of participants and/or their beneficiaries. In addition, no change shall adversely affect the rights of any participant with respect to contributions made prior to the date of the change.

If the Plan is terminated in accordance with the terms described in the preceding paragraph, each participant's account shall become fully vested and nonforfeitable and distribution of Plan assets shall be made as directed by the Plan Administrator.

9. Income Tax Status

The Internal Revenue Service has determined and informed the Company by a letter dated December 9, 2002, that the Plan and related trust were designed in accordance with the applicable requirements of the Internal Revenue Code. The Plan has been amended since receiving the determination letter; however, the Plan Administrator and the Plan's legal counsel believe that the Plan is currently designed and is being operated in compliance with the applicable requirements of the Internal Revenue Code. Therefore, no provision for income taxes has been included in the Plan's financial statements.

10. Reconciliation of Financial Statements to Form 5500

The following is a reconciliation of assets available for benefits as presented in the financial statements as of December 31, 2009 and 2008 to the Form 5500:

	2009	2008
Assets available for benefits as presented in the financial statements	$ 50,735,192	$ 38,848,498
Adjustment from contract value to fair value	(574,180)	(1,527,210)
Assets available for benefits as presented in the 5500	$ 50,161,012	$ 37,321,288

The following is a reconciliation of changes in net assets available for benefits reported in the financial statements to the Form 5500 for the year ended December 31, 2009:

	2009
Increase in assets available for benefits reported in the financial statements	$ 11,886,694
Add adjustment from contract value to fair value for fully benefit-responsive investment contracts for 2008	1,527,210
Subtract adjustment from contract value to fair value for fully benefit-responsive investment contracts for 2009	(574,180)
Increase in assets available for benefits reported in the Form 5500	$ 12,839,724

11. Subsequent Event

Effective October 1, 2009, the collective bargaining agreement changed certain provisions of Kennecott Corporation Savings Plan for hourly employees. Generally, the agreement added an automatic enrollment provision for new hires after January 1, 2010. New hires will be enrolled automatically in the Plan at a before-tax contribution rate of 4% of eligible compensation with a Company matching contribution at the rate of 2% of eligible compensation. This is usually effective the first of the month following five months of employment.

KENNECOTT CORPORATION
SAVINGS PLAN FOR HOURLY EMPLOYEES
Employer Identification Number: 13-3108078
Plan Number: 204
Schedule H, Part IV, Line 4i
Schedule of Assets (Held at End of Year)

December 31, 2009

(a) Party in Interest	(b) Identity of Issue	(c) Description of Investment	Number of Units	(d) Cost		(e) Current Value
		Money Market Fund:				
	Mellon Bank	TBC Pooled Employee Daily Liquidity Fund	504,221	**	$	504,221
		Common Collective Trusts:				
	SEI Investments	SEI Stable Asset Fund	3,437,063	**		3,437,063
	State Street Bank and Trust Company	State Street Bank and Trust Company S&P 500 Flagship Securities				
		Lending Series C Fund	151,284	**		3,176,667
		Total Common Collective Trusts				6,613,730
		Mutual Funds:				
	Dodge and Cox	Dodge and Cox Stock Fund	48,597	**		4,672,099
	PIMCO	PIMCO Total Return Fund	309,400	**		3,341,518
	Harbor	Harbor Capital Appreciation Fund	99,800	**		3,290,389
	American Funds	American Funds Europacific Growth Fund	76,515	**		2,928,997
	Artisan	Artisan Mid Cap Fund	87,939	**		2,247,711
	Dodge and Cox	Dodge and Cox International Fund	32,247	**		1,027,054
	JP Morgan	UAM/ICM Small Company Fund	36,496	**		903,634
	Blackrock	Blackrock Small Cap Growth Equity	39,593	**		772,457
	Wells Fargo	Wells Fargo Advantage C&B Mid Cap Fund	47,442	**		640,461
	JP Morgan	JP Morgan Investor Balanced Fund	12,808			145,115
		Total Mutual Funds				19,969,435

* Denotes a party-in-interest as defined by ERISA
** Not required as investments are participant directed

KENNECOTT CORPORATION
SAVINGS PLAN FOR HOURLY EMPLOYEES
Employer Identification Number: 13-3108078
Plan Number: 204
Schedule H, Part IV, Line 4i
Schedule of Assets (Held at End of Year)
Continued

December 31, 2009

(a) Party in Interest	(b) Identity of Issue	(c) Description of Investment	Number of Units	(d) Cost		(e) Current Value Continued
		Synthetic Guaranteed Investment Contracts:				
	Monumental Life Insurance Company	Synthetic GIC, Dwight Managed Target 2, no specified maturity date, 2.19%	143,905	**	$	2,528,497
	Monumental Life Insurance Company	Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 2.19%	54,666	**		1,036,442
	Monumental Life Insurance Company	Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 3.85%	113,886	**		2,159,228
						5,724,167
	State Street Bank and Trust Company	Synthetic GIC, Dwight Intermediate Core Plus Fund, no specified maturity date, 4.46%	136,428	**		2,209,578
	State Street Bank and Trust Company	Synthetic GIC, Dwight Managed Target 2, no specified maturity date, 1.74%	295,334	**		5,186,190
	State Street Bank and Trust Company	Synthetic GIC, Dwight Managed Target 5, no specified maturity date, 1.74%	34,262	**		649,600
						8,045,368
		Total Synthetic Guaranteed Investment Contracts				13,769,535

*	Rio Tinto plc ADRs	Common Stock	42,780	**		9,214,333
*	Putnam	Pending Account		**		89,758
		Total Investments at fair value			$	50,161,012

* Denotes a party-in-interest as defined by ERISA
** Not required as investments are participant directed

See report of independent registered public accounting firm.

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SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the trustees (or other persons who administer the employee benefit plan) have duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

KENNECOTT CORPORATION SAVINGS PLAN FOR HOURLY EMPLOYEES

By: /s/ Patrick Keenan
Name: Patrick Keenan
Chief Financial Officer, Kennecott Utah Copper LLC
Chair, Rio Tinto America Benefit Governance Committee

Date: June 29, 2010

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EXHIBIT INDEX

Exhibit Number	Document
23.1	Consent of Independent Registered Public Accounting Firm