

MOSAIC CO  
Form 11-K  
June 28, 2010  
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**UNITED STATES**  
**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**FORM 11-K**

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

For the fiscal year ended December 31, 2009

OR

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

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number 001-32327

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

**MOSAIC UNION SAVINGS PLAN**

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

**Atria Corporate Center - Suite E490**

**3033 Campus Drive**

**Plymouth, MN 55441**

**763-577-2700**

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**MOSAIC UNION SAVINGS PLAN**

EIN No. 20-0891589

Plan No. 019

Financial Statements and Supplemental Schedule

December 31, 2009 and 2008

(With Report of Independent Registered Public Accounting Firm Thereon)

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**MOSAIC UNION SAVINGS PLAN**

EIN No. 20-0891589

Plan No. 019

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**Report of Independent Registered Public Accounting Firm**

The Plan Administrator

Mosaic Union Savings Plan:

We have audited the accompanying statements of net assets available for benefits of the Mosaic Union Savings Plan (the Plan) as of December 31, 2009 and 2008, and the related statements of changes in net assets available for benefits for the years then ended. 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 audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. 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 net assets available for benefits of the Mosaic Union Savings Plan as of December 31, 2009 and 2008, and the changes in net assets available for benefits for the years then ended, in conformity with U.S. generally accepted accounting principles.

Our audits 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 Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. This supplemental schedule is the responsibility of the Plan management. The supplemental schedule 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.

Minneapolis, Minnesota

June 28, 2010

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**MOSAIC UNION SAVINGS PLAN**

EIN No. 20-0891589

Plan No. 019

Statements of Net Assets Available for Benefits

December 31, 2009 and 2008

	<b>2009</b>	<b>2008</b>
Assets:		
Investments, at fair value	\$ 91,289,973	\$ 64,876,163
Loans to participants	6,753,102	6,194,766
Receivables:		
Participant contributions		112,238
Employer contributions	4,051,309	3,931,468
Total receivables	4,051,309	4,043,706
Net assets available for benefits before adjustment	102,094,384	75,114,635
Adjustment from fair value to contract value for fully benefit-responsive investment contracts	(316,137)	253,649
Net assets available for benefits	\$ 101,778,247	\$ 75,368,284

See accompanying notes to financial statements.

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EIN No. 20-0891589

Plan No. 019

Statements of Changes in Net Assets Available for Benefits

Years ended December 31, 2009 and 2008

	<b>2009</b>	<b>2008</b>
Additions (deductions) to net assets attributed to:		
Investment income (loss):		
Interest and dividends	\$ 2,672,485	\$ 2,742,637
Net realized and unrealized appreciation (depreciation) in fair value of investments:		
Mutual funds	8,646,103	(16,963,960)
Mosaic Stock Fund	7,702,000	(13,885,330)
Net investment income (loss)	19,020,588	(28,106,653)
Contributions:		
Participants	7,891,738	9,492,350
Employer	6,261,370	6,147,017
Total contributions	14,153,108	15,639,367
Asset transfers from Mosaic Investment Plan	9,128	28,791
Other	54,401	36,513
Total additions (deductions)	33,237,225	(12,401,982)
Deductions from net assets attributed to:		
Benefits paid	6,722,182	5,956,391
Asset transfers to Mosaic Investment Plan	4,642	36,853
Administrative fees	100,438	104,039
Total deductions	6,827,262	6,097,283
Net increase (decrease)	26,409,963	(18,499,265)
Net assets available for benefits:		
Beginning of year	75,368,284	93,867,549
End of year	\$ 101,778,247	\$ 75,368,284

See accompanying notes to financial statements.

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**MOSAIC UNION SAVINGS PLAN**

EIN No. 20-0891589

Plan No. 019

Notes to Financial Statements

December 31, 2009 and 2008

**(1) Description of the Plan**

The following description of the Mosaic Union Savings Plan (the Plan) provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

The Plan was established pursuant to collective bargaining agreements with the unions.

**(a) General**

The following hourly employees of The Mosaic Company (the Company) are eligible to participate upon their hire date:

Employees represented by Local #188-A of the United Steelworkers of America at the Carlsbad, New Mexico operations;

Employees represented by Local #1625 International Chemical Workers Union Council of the United Food and Commercial Workers International Union (Concentrates Union) at the Florida concentrates operations;

Employees represented by Local #35C International Chemical Workers Union Council of the United Food and Commercial Workers International Union (Florida Minerals Union) at the Florida minerals operations;

Employees represented by Local #1625 International Chemical Workers Union Council of the United Food and Commercial Workers International Union (Port Sutton Union) at the Port Sutton facility (through December 23, 2003);

Employees represented by Local #12458-02 of the United Steelworkers of America at the Hutchinson, Kansas operations (through October 31, 2005);

Employees represented by Local #1G Bakery, Confectionary, Tobacco Workers and Grain Millers at the Savage, Minnesota operations;

Employees represented by Locals #39C, 439C, and 814C International Chemical Workers Union Council of the United Food and Commercial Workers International Union at the Bartow, South Fort Meade and Hookers Prairie, Florida operations;

Employees represented by Allied-Industrial Union and its Local #4-227, AFL-CIO, CLC (through December 11, 2008); and

Employees represented by Local #13-748 of the United Steelworkers of America at the Pekin, Illinois operations.

Pursuant to a certain collective bargaining agreement, certain represented employees are automatically enrolled in the Plan upon meeting the eligibility requirements. A participant is assumed to have authorized the Company to withhold from each paycheck 1% of pay on a before-tax



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**MOSAIC UNION SAVINGS PLAN**

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December 31, 2009 and 2008

basis. Automatic payroll withholding can begin no sooner than 60 days from date of hire. A participant has the right to decline automatic enrollment within 60 days from date of hire. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

***(b) Contributions***

The Plan is funded by contributions from participants in the form of payroll deductions/salary reductions from 1% to 75% of participants' eligible pay (subject to Internal Revenue Service (IRS) statutory limits of \$16,500 and \$15,500 for 2009 and 2008, respectively) in before-tax dollars, after-tax dollars, or a combination of both. Additional before-tax catch-up contributions are allowed above the IRS annual dollar limit for employees at least age 50 or who will reach age 50 during a given calendar year. The Plan is also funded by Company matching contributions, which are subject to certain limitations imposed by Section 415 of the Internal Revenue Code (IRC). Participants should refer to their collective bargaining agreement or contact local Human Resources to determine the specific matching contributions.

Pursuant to certain collective bargaining agreements, the Company added a Defined Contribution Retirement Plan (DCRP) feature to the Plan. The Company contribution to the DCRP feature is based on a percentage of employee's eligible base pay. Pursuant to certain collective bargaining agreements, the Plan was amended to allow certain participants to freeze their defined benefit accruals and begin participating in the DCRP feature of the Plan. Employees eligible to participate in the DCRP who contribute to the 401(k) feature are eligible to receive enhanced Company matching contributions. The Plan has become the primary retirement vehicle for employees covered by certain collective bargaining agreements. Generally, a participant must be employed on the last day of the plan year to be eligible for the DCRP contribution.

Participants may roll over their vested benefits from other qualified benefit plans to the Plan.

***(c) Participant Accounts***

Each participant's account is credited with the participant's contributions and allocations of (a) the Company contributions and (b) Plan earnings, and is charged with an allocation of certain administrative expenses. Allocations are based on 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 account.

***(d) Administrative Expenses***

Administrative expenses are to be paid by the Plan but may be paid by the Company.

***(e) Investment Programs***

The Plan's investments are administered by Vanguard Fiduciary Trust Company. Participants can choose from among twenty-three investment funds.



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**MOSAIC UNION SAVINGS PLAN**

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Notes to Financial Statements

December 31, 2009 and 2008

Participants may elect to change the investment direction of their existing account balances and their future contributions daily.

***(f) Vesting***

Participants are immediately vested in the portion of their account related to participant contributions, Company matching contributions, and earnings thereon. Certain participants eligible for DCRP contributions are vested in their DCRP account after either five years of service, attaining age 65, or death while an employee. Forfeited nonvested accounts will be used to reduce future employer contributions. In 2009 and 2008, employer contributions were reduced by \$40,442 and \$20,261, respectively, from forfeited nonvested accounts.

***(g) Withdrawals***

Participants may withdraw their vested account balance upon termination of employment. Under certain conditions of financial hardship, participants working for the Company may withdraw certain funds, but their participation in the Plan will be suspended for six months. Certain withdrawals are available after age 59 1/2 or in the event of disability. Additionally, while still employed, in-service withdrawals are available subject to certain requirements and limitations.

Subject to potential IRS penalties, participants who terminate their employment and have a vested account balance in excess of \$5,000 may receive their distribution in a lump sum or installments that commence immediately after termination or a later date, but no later than age 70 1/2. Participants may be entitled to additional forms of payment or may need to obtain spousal consent to a distribution or withdrawal if the participant had an account balance from another qualified plan, that plan was maintained by a company that was acquired by the Company, and the participant's account balance was transferred to this Plan.

***(h) Loans to Participants***

Participants in the Plan may be granted loans subject to certain terms and maximum dollar or plan account balance limits, as defined by the Plan. Principal repayments, which are over one to five years for general purpose loans and over one to ten years for residential loans, and related interest income are credited to the borrowing participant's account. Generally, loan payments are made by payroll deductions. The loan interest rate that will be charged for both general purpose and residential loans is calculated on a monthly basis using the prime rate, as quoted in *The Wall Street Journal*, plus 1%.

Loans to participants are valued at their outstanding balances.

***(i) Plan Termination***

Although it has not expressed any interest to do so, the Company reserves the right under the Plan (subject to the collective bargaining agreements) to make changes at any time or even suspend or terminate the Plan subject to the provisions of ERISA.



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**MOSAIC UNION SAVINGS PLAN**

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Notes to Financial Statements

December 31, 2009 and 2008

**(2) Summary of Significant Accounting Policies**

***(a) Investment Valuation and Income Recognition***

Investments are stated at fair value. Fair value is the last reported sales price on the last business day of the month for securities traded on a national securities exchange and in the over-the-counter market. Fair value for shares of mutual and common collective trust funds is the net asset value of those shares or units, as determined by the respective funds.

Purchases and sales of securities are accounted for on a trade-date basis. Dividend income is recorded on the ex-dividend date. Interest from investments is recorded on the accrual basis.

***(b) Basis of Accounting***

The financial statements of the Plan are prepared under the accrual method of accounting.

***(c) Fully Benefit-Responsive Investment Contracts***

As described in the Financial Accounting Standards Board (FASB) issued Staff Position, FASB Accounting Standard Codification (ASC) 946-210-45, *Financial Services Investment Companies, Balance Sheet Other Presentation Matters* (the FSP), investment contracts held by a defined contribution plan are required to be reported at fair value. However, the FSP states that contract value is the relevant measurement attribute for that portion of the net 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 statements of net assets available for plan benefits present the fair value of the investment contracts as well as the adjustment of the fully benefit-responsive investment contracts from fair value to contract value. The statements of changes in net assets available for benefits is prepared on a contract value basis.

The Plan invests in a common collective trust fund, Vanguard Retirement Savings Trust, which owns fully benefit-responsive investment contracts. The Plan reports the Vanguard Retirement Savings Trust fund at fair value and recognized an adjustment from fair value to contract value for the fully benefit-responsive investment contracts of \$(316,137) and \$253,649 as of December 31, 2009 and 2008, respectively, in the accompanying statements of net assets available for benefits.

***(d) Payment of Benefits***

Benefit payments are recorded when paid.

***(e) Use of Estimates***

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The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying notes. Actual results could differ from those estimates.

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**MOSAIC UNION SAVINGS PLAN**

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Notes to Financial Statements

December 31, 2009 and 2008

**(3) Fair Value Measurements**

On January 1, 2008, the Plan adopted ASC 820. ASC 820 defines fair value as the price that would be received from selling an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. When determining the fair value measurements for assets and liabilities required to be recorded at fair value, the Plan considers the principal or most advantageous market in which it would transact and considers assumptions that market participants would use when pricing the asset or liability, such as inherent risk, transfer restrictions, and risk of nonperformance.

ASC 820 also establishes a fair value hierarchy that requires the Plan to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value. A financial instrument's categorization within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement. ASC 820 established 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: inputs other than Level 1 that are observable, either directly or indirectly, such as quoted prices in active markets for similar assets or liabilities, quoted prices for identical or similar assets or liabilities in markets that are not active, or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities; or

Level 3: unobservable inputs that are supported by little or no market activity and that are significant to the fair value of the assets or liabilities.

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Notes to Financial Statements

December 31, 2009 and 2008

***Instruments Measured at Fair Value on a Recurring Basis***

Investments measured at fair value on a recurring basis consisted of the following types of instruments as of December 31, 2009 and 2008 (Level 1, 2, and 3 inputs are defined above):

	Assets at Fair Value as of December 31, 2009			Total
	Level 1	Level 2	Level 3	
Common stock	\$ 16,322,418	\$	\$	\$ 16,322,418
Mutual funds	60,343,884			60,343,884
Common/collective trust fund		14,623,671		14,623,671
Total investments measured at fair value	\$ 76,666,302	\$ 14,623,671	\$	\$ 91,289,973

	Assets at Fair Value as of December 31, 2008			Total
	Level 1	Level 2	Level 3	
Common stock	\$ 10,631,014	\$	\$	\$ 10,631,014
Mutual funds	34,843,028			34,843,028
Common/collective trust fund		19,402,121		19,402,121
Total investments measured at fair value	\$ 45,474,042	\$ 19,402,121	\$	\$ 64,876,163

Common stock traded on national exchanges are valued at their closing market prices. Mutual funds are valued at their quoted net asset value.

The common/collective trust fund is made up of investments in traditional contracts issued by insurance companies and banks, alternative investment contracts, and short-term investments. For traditional investment contracts, fair value is determined by calculating the present value of expected future cash flows for each contract. A contract represents contributions made plus interest accrued at the contract rate, less withdrawals. The fair value for alternative investment contracts is determined by aggregating the market value of the underlying investment in Vanguard mutual funds and bond trusts plus the value of the wrap contract, if any. The investments in mutual funds are valued at the net asset value of each fund or trust determined as of the close of the NYSE on the valuation date. Short-term investments are made up of investments in Vanguard's Prime Money Market Fund, which is valued from quoted net asset values.



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December 31, 2009 and 2008

**(4) Significant Investments**

Individual investments that represent 5% or more of net assets available for benefits were as follows:

	<b>December 31</b>	
	<b>2009</b>	<b>2008</b>
<b>Mutual funds:</b>		
Vanguard Total International Stock Index Fund	\$ 5,114,990	\$ 3,336,346*
Vanguard 500 Index Fund	5,616,957	4,927,897
Vanguard PRIMECAP Fund	6,279,983	7,569,054
Vanguard Target Retirement 2015 Fund	6,755,599	
Vanguard Target Retirement 2020 Fund	9,237,237	
Vanguard Target Retirement 2025 Fund	5,305,947	
Vanguard LifeStrategy Moderate Growth Fund		5,698,293
PIMCO Total Return Fund Institutional Class	5,160,594	6,601,213
<b>Common collective trust fund:</b>		
Vanguard Retirement Savings Master Trust	14,623,671	19,402,121
Mosaic Stock Fund	16,322,418	10,631,014

\* Less than 5% of net assets available for benefits.

**(5) Federal Income Tax Status**

The Plan has received a determination letter from the IRS dated September 18, 2002 stating that the Plan is qualified under Section 401(a) of the IRC and, therefore, is exempt from taxation. Subsequent to this determination by the IRS, the Plan was amended. Once qualified, the Plan is required to operate in conformity with the IRC to maintain its qualification. The Plan Administrator believes the Plan is being operated in compliance with the applicable requirements of the IRC, and therefore, the Plan, as amended, is qualified and is tax exempt.

**(6) Risks and Uncertainties**

The Plan invests in various investment securities. Investment securities are exposed to various risks such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities, it is at least 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 net assets available for benefits.

A portion of the Plan's net assets is invested in the common stock of the Company. At December 31, 2009 and 2008, approximately 16% and 14%, respectively, of the Plan's total assets were invested in the Company's common stock. The underlying value of the Company common stock is entirely dependent upon the performance of the Company and the market's evaluation of such performance.



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**MOSAIC UNION SAVINGS PLAN**

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Notes to Financial Statements

December 31, 2009 and 2008

**(7) Party-in-Interest Transactions**

Transactions resulting in Plan assets being transferred to or used by a related party are prohibited under ERISA unless a specific exemption applied. Vanguard Fiduciary Trust Company is a party in interest as defined by ERISA as a result of being trustee of the Plan. The Plan invests in funds managed by Vanguard Fiduciary Trust Company. The Plan also engages in transactions involving the acquisition or disposition of common stock of the Company, a party in interest with respect to the Plan. The Plan also engages in loans to participants. These transactions are covered by an exemption from the prohibited transactions provisions of ERISA and the Internal Revenue Code.

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**SUPPLEMENTAL SCHEDULE**

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EIN No. 20-0891589

Plan No. 019

Schedule H, Line 4i Schedule of Assets (Held at End of Year)

December 31, 2009

<b>Identity of issuer</b>	<b>Description</b>	<b>Number of shares</b>	<b>Current value</b>
PIMCO	PIMCO Total Return Fund Institutional Class	477,833	\$ 5,160,594
T. Rowe Price Trust Co.	T. Rowe Price Small Cap Stock	30,493	821,480
MFS	MFS Institutional International Equity Fund	1,600	26,217
Vanguard Fiduciary Trust Company*	Vanguard Inflation-Protected Sec Fund	22,277	279,570
	Vanguard Total International Stock Index Fund	354,961	5,114,990
	Vanguard Prime Money Market Fund	116,268	116,268
	Vanguard 500 Index Fund	54,709	5,616,957
	Vanguard Small-Cap Index Fund	4,697	129,120
	Vanguard PRIMECAP Fund	105,670	6,279,983
	Vanguard Windsor II Fund	86,002	2,036,532
	Vanguard Retirement Savings Master Trust	14,307,534	14,623,671
	Vanguard Total Bond Market Index Fund	53,625	555,024
	Vanguard Target Retirement 2005 Fund	63,148	693,367
	Vanguard Target Retirement 2015 Fund	597,312	6,755,599
	Vanguard Target Retirement 2025 Fund	468,723	5,305,947
	Vanguard Target Retirement 2035 Fund	181,903	2,113,713
	Vanguard Target Retirement 2045 Fund	93,494	1,123,798
	Vanguard Target Retirement Income Fund	3,812	40,370
	Vanguard Target Retirement 2010 Fund	162,874	3,342,169
	Vanguard Target Retirement 2020 Fund	462,787	9,237,237
	Vanguard Target Retirement 2030 Fund	173,823	3,356,526
	Vanguard Target Retirement 2040 Fund	78,710	1,499,423
	Vanguard Target Retirement 2050 Fund	38,671	739,000
The Mosaic Company*	Mosaic Stock Fund	273,270	16,322,418
Loans to 1,052 participants*	Varying maturities with interest rates ranging from 4.25% to 9.5%		6,753,102
			\$ 98,043,075

\* Indicates party in interest to the Plan.  
See accompanying report of independent registered public accounting firm.

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## SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, this annual report has been signed below by the following persons in their capacities as members of the People Working Group of The Mosaic Company and on the dates indicated.

<i>Signature</i>	<i>Title</i>	<i>Date</i>
/s/ Norman B. Beug Norman B. Beug	People Working Group	June 28, 2010
/s/ Anthony T. Brausen Anthony T. Brausen	People Working Group	June 28, 2010
/s/ Sean Butler Sean Butler	People Working Group	June 28, 2010
/s/ Gary N. Davis Gary N. Davis	People Working Group	June 28, 2010
/s/ Paula Holden Paula Holden	People Working Group	June 28, 2010
/s/ Richard N. McLellan Richard N. McLellan	People Working Group	June 28, 2010
/s/ Dennis Orke Dennis Orke	People Working Group	June 28, 2010
/s/ Cindy C. Redding Cindy C. Redding	People Working Group	June 28, 2010
/s/ Brian Warren Brian Warren	People Working Group	June 28, 2010

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**Exhibit Index**

<i>Exhibit No.</i>	<i>Description</i>	<i>Incorporated Herein by Reference to</i>	<i>Filed with Electronic Submission</i>
23	Consent of KPMG LLP, independent registered public accounting firm		X

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