

FUEL TECH, INC.  
Form 10-Q  
August 09, 2010

**Table of Contents**

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
FORM 10-Q**

(Mark One)

**QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

**For the quarterly period ended June 30, 2010**

**or**

**TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES  
EXCHANGE ACT OF 1934**

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

**Commission file number: 001-33059**

**FUEL TECH, INC.**

(Exact name of registrant as specified in its charter)

Delaware

20-5657551

(State or other jurisdiction of incorporation of  
organization)

(I.R.S. Employer Identification Number)

Fuel Tech, Inc.  
27601 Bella Vista Parkway  
Warrenville, IL 60555-1617  
630-845-4500

(Address and telephone number of principal executive offices)

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days.

Yes  No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Web site, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit and post such files). Yes  No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer or a smaller reporting company. See definition of "accelerated filer", "large accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer

Accelerated filer

Non-accelerated filer   
(Do not check if a smaller  
reporting company)

Smaller reporting  
company

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes  No

As of July 10, 2010 there were outstanding 24,213,467 shares of Common Stock, par value \$0.01 per share, of the registrant.



**FUEL TECH, INC.**  
Form 10-Q for the six-month period ended June 30, 2010  
**INDEX**

	Page
<b><u>PART I. FINANCIAL INFORMATION</u></b>	
<b><u>Item 1. Financial Statements (Unaudited)</u></b>	
<u>Condensed Consolidated Balance Sheets as of June 30, 2010 and December 31, 2009</u>	1
<u>Condensed Consolidated Statements of Operations for the Three- and Six-Month Periods Ended June 30, 2010 and 2009</u>	2
<u>Condensed Consolidated Statements of Cash Flows for the Six- Month Periods Ended June 30, 2010 and 2009</u>	3
<u>Notes to Condensed Consolidated Financial Statements</u>	4
<b><u>Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations</u></b>	14
<b><u>Item 3. Quantitative and Qualitative Disclosures about Market Risk</u></b>	17
<b><u>Item 4. Controls and Procedures</u></b>	17
<b><u>PART II. OTHER INFORMATION</u></b>	
<b><u>Item 1. Legal Proceedings</u></b>	18
<b><u>Item 1A. Risk Factors</u></b>	18
<b><u>Item 2. Unregistered Sales of Equity Securities and Use of Proceeds</u></b>	18
<b><u>Item 6. Exhibits</u></b>	18
<b><u>SIGNATURES</u></b>	18
<u>EX-10.1</u>	
<u>EX-31.1</u>	
<u>EX-31.2</u>	
<u>EX-32</u>	

---

**Table of Contents****PART I. FINANCIAL INFORMATION**

## Item 1. Financial Statements

**FUEL TECH, INC.**  
**CONDENSED CONSOLIDATED BALANCE SHEETS**  
(in thousands, except share and per share data)

	June 30, 2010 (Unaudited)	December 31, 2009 (Note B)
<b>Assets</b>		
Current assets:		
Restricted cash	\$	\$ 200
Cash and cash equivalents	21,066	20,965
Accounts receivable, net of allowance for doubtful accounts of \$72 and \$70, respectively	22,310	17,877
Inventories	445	450
Deferred income taxes	636	636
Prepaid expenses and other current assets	2,095	2,294
Total current assets	46,552	42,422
Equipment, net of accumulated depreciation of \$15,723 and \$14,562, respectively	14,536	15,549
Goodwill	21,051	21,051
Other intangible assets, net of accumulated amortization of \$3,260 and \$2,817, respectively	6,358	6,749
Deferred income taxes	5,070	4,183
Other assets	2,447	2,308
Total assets	\$ 96,014	\$ 92,262
<b>Liabilities and Shareholders Equity</b>		
Current liabilities:		
Short-term debt	\$ 2,203	\$ 2,925
Accounts payable	5,836	5,824
Accrued liabilities:		
Employee compensation	1,572	671
Other accrued liabilities	3,575	2,424
Total current liabilities	13,186	11,844
Other liabilities	2,243	2,196
Total liabilities	15,429	14,040
Shareholders equity:	242	242

Edgar Filing: FUEL TECH, INC. - Form 10-Q

Common stock, \$.01 par value, 40,000,000 shares authorized, 24,213,467 and 24,211,967 shares issued, respectively		
Additional paid-in capital	128,038	125,458
Accumulated deficit	(47,923)	(47,828)
Accumulated other comprehensive income	152	269
Nil coupon perpetual loan notes	76	81
Total shareholders' equity	80,585	78,222
Total liabilities and shareholders' equity	\$ 96,014	\$ 92,262

See notes to condensed consolidated financial statements.

1

---

**Table of Contents****FUEL TECH, INC.****CONDENSED CONSOLIDATED STATEMENTS OF OPERATIONS**

(Unaudited)

(in thousands, except share and per-share data)

	Three Months Ended June 30		Six Months Ended June 30	
	2010	2009	2010	2009
<b>Revenues</b>	\$ 18,902	\$ 18,922	\$ 36,519	\$ 36,239
<b>Costs and expenses:</b>				
Cost of sales	11,067	10,378	20,567	21,752
Selling, general and administrative	8,018	8,876	15,498	17,130
Research and development	165	77	311	231
	19,250	19,331	36,376	39,113
<b>Operating (loss) income</b>	(348)	(409)	143	(2,874)
Interest expense	(33)	(26)	(77)	(56)
Interest income	1	7	2	23
Other expense	(166)	(38)	(258)	(162)
<b>Loss before taxes</b>	(546)	(466)	(190)	(3,069)
Income tax benefit	237	188	95	1,229
<b>Net loss</b>	\$ (309)	\$ (278)	\$ (95)	\$ (1,840)
<b>Net loss per Common Share:</b>				
Basic	\$ (0.01)	\$ (0.01)	\$ (0.00)	\$ (0.08)
Diluted	\$ (0.01)	\$ (0.01)	\$ (0.00)	\$ (0.08)
<b>Weighted-average number of Common Shares outstanding:</b>				
Basic	24,215,000	24,126,000	24,213,000	24,119,000
Diluted	24,215,000	24,126,000	24,213,000	24,119,000

See notes to condensed consolidated financial statements.

**Table of Contents**

**FUEL TECH, INC.**  
**CONDENSED CONSOLIDATED STATEMENTS OF CASH FLOWS**  
(Unaudited)  
(in thousands)

	Six Months Ended June 30	
	2010	2009
<b>Operating activities</b>		
Net cash provided by operating activities	\$ 1,327	\$ 4,691
<b>Investing activities</b>		
Acquisition of business		(19,328)
Reduction in restricted cash	200	
Purchases of property, equipment and intangible assets	(642)	(1,540)
Net cash used in investing activities	(442)	(20,868)
<b>Financing activities</b>		
(Payments) proceeds of/from short-term borrowings	(722)	3
Issuance of deferred shares	50	43
Proceeds from exercise of stock options and warrants	10	124
Redemption of nil coupon loan note	(5)	
Net cash (used in) provided by financing activities	(667)	170
Effect of exchange rate fluctuations on cash	(117)	35
<b>Net increase (decrease) in cash and cash equivalents</b>	<b>101</b>	<b>(15,972)</b>
Cash and cash equivalents at beginning of period	20,965	28,149
<b>Cash and cash equivalents at end of period</b>	<b>\$ 21,066</b>	<b>\$ 12,177</b>
Supplemental disclosure of cash flow information:		
Increase in contingent consideration payable	\$	\$ 2,307
See notes to condensed consolidated financial statements.		



**Table of Contents**

**FUEL TECH, INC.**  
NOTES TO CONDENSED CONSOLIDATED FINANCIAL STATEMENTS  
June 30, 2010  
(Unaudited)  
(in thousands, except share and per-share data)

***Note A: Nature of Business***

Fuel Tech, Inc. (Fuel Tech or the Company) is a fully integrated company that uses a suite of advanced technologies to provide boiler optimization, efficiency improvement and air pollution reduction and control solutions to utility and industrial customers worldwide. Originally incorporated in 1987 under the laws of the Netherlands Antilles as Fuel-Tech N.V., Fuel Tech became domesticated in the United States on September 30, 2006, and continues as a Delaware corporation with its corporate headquarters at 27601 Bella Vista Parkway, Warrenville, Illinois, 60555-1617. Fuel Tech maintains an Internet website at [www.ftek.com](http://www.ftek.com). Fuel Tech's annual report on Form 10-K, quarterly reports on Form 10-Q, current reports on Form 8-K and any amendments to those reports filed or furnished pursuant to Section 13(a) of the Securities Exchange Act of 1934 are made available through our website as soon as reasonably practical after electronically filed or furnished to the Securities and Exchange Commission. Also available on the Fuel Tech's website are the Company's Corporate Governance Guidelines and Code of Ethics and Business Conduct, as well as the charters of the Audit and Compensation & Nominating committees of the Board of Directors. All of these documents are available in print without charge to stockholders who request them. Information on our website is not incorporated into this report.

Fuel Tech's special focus is the worldwide marketing of its nitrogen oxide (NO<sub>x</sub>) reduction and FUEL CHEM processes. The Air Pollution Control (APC) technology segment reduces NO<sub>x</sub> emissions in flue gas from boilers, incinerators, furnaces and other stationary combustion sources by utilizing combustion optimization techniques and Low NO<sub>x</sub> and Ultra Low NO<sub>x</sub> Burners; Over-Fire Air systems, NO<sub>x</sub>OUT<sup>®</sup> and HERT High Energy Reagent Technology SNCR systems; systems that incorporate ASCRA (Advanced Selective Catalytic Reduction) technology including CASCADE; ULTRA and NO<sub>x</sub>OUT-SCR<sup>®</sup> processes; and Ammonia Injection Grids (AIG) and the Graduated Straightening Grid (GSG). The FUEL CHEM technology segment improves the efficiency, reliability and environmental status of combustion units by controlling slagging, fouling and corrosion, as well as the formation of sulfur trioxide, ammonium bisulfate, particulate matter (PM<sub>2.5</sub>), carbon dioxide, NO<sub>x</sub> and unburned carbon in fly ash through the addition of chemicals into the fuel or via TIFI<sup>®</sup> Targeted In-Furnace Injection programs. Fuel Tech has other technologies, both commercially available and in the development stage, all of which are related to APC and FUEL CHEM technology segments or are similar in their technological base. Fuel Tech's business is materially dependent on the continued existence and enforcement of worldwide air quality regulations.

***Note B: Basis of Presentation***

The accompanying unaudited, condensed consolidated financial statements have been prepared in accordance with generally accepted accounting principles for interim financial information and with the instructions to Form 10-Q and Article 10 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by accounting principles generally accepted in the United States for complete financial statements. In the opinion of management, all adjustments (consisting of normal recurring accruals) considered necessary for a fair presentation of the balance sheet and results of operations for the periods covered have been included and all significant intercompany transactions and balances have been eliminated. The results of operations of all acquired businesses have been consolidated for all periods subsequent to the date of acquisition.

The balance sheet at December 31, 2009 has been derived from the audited financial statements at that date, but does not include all of the information and footnotes required by generally accepted accounting principles for complete financial statements.

For further information, refer to the consolidated financial statements and footnotes thereto included in Fuel Tech's Annual Report on Form 10-K for the year ended December 31, 2009 as filed with the Securities and Exchange Commission.

**Table of Contents*****Note C: Revenue Recognition Policy***

Revenues from the sales of chemical products are recorded when title transfers, either at the point of shipment or at the point of destination, depending on the contract with the customer.

Fuel Tech uses the percentage of completion method of accounting for equipment construction and license contracts that are sold within the APC technology segment. Under the percentage of completion method, revenues are recognized as work is performed based on the relationship between actual construction costs incurred and total estimated costs at completion. Revisions in completion estimates and contract values in the period in which the facts giving rise to the revisions become known can influence the timing of when revenues are recognized under the percentage of completion method of accounting. Provisions are made for estimated losses on uncompleted contracts in the period in which such losses are determined. As of June 30, 2010 the Company had one construction contract in progress that was identified as a loss contract in the amount of \$348.

Fuel Tech's APC contracts are typically six to twelve months in length. A typical contract will have three or four critical operational measurements that, when achieved, serve as the basis for us to invoice the customer via progress billings. At a minimum, these measurements will include the generation of engineering drawings, the shipment of equipment and the completion of a system performance test.

As part of a majority of its contractual APC project agreements, Fuel Tech will agree to customer-specific acceptance criteria that relate to the operational performance of the system that is being sold. These criteria are determined based on mathematical modeling that is performed by Fuel Tech personnel, which is based on operational inputs that are provided by the customer. The customer will warrant that these operational inputs are accurate as they are specified in the binding contractual agreement. Further, the customer is solely responsible for the accuracy of the operating condition information; all performance guarantees and equipment warranties granted by us are void if the operating condition information is inaccurate or is not met.

Fuel Tech has installed over 580 units with APC technology. As part of the project implementation process, we perform system start-up and optimization services that effectively serve as a test of actual project performance. We believe that this test, combined with the accuracy of the modeling that is performed, enables revenue to be recognized prior to the receipt of formal customer acceptance.

Accounts receivable includes unbilled receivables, representing revenues recognized in excess of billings on uncompleted contracts under the percentage of completion method of accounting. At June 30, 2010 and December 31, 2009, unbilled receivables were approximately \$10,973 and \$8,466, respectively. Billings in excess of costs and estimated earnings on uncompleted contracts were \$526 and \$373, at June 30, 2010 and December 31, 2009, respectively. Such amounts are included in other accrued liabilities on the consolidated balance sheet.

***Note D: Cost of Sales***

Cost of sales includes all internal and external engineering costs, equipment and chemical charges, inbound and outbound freight expenses, internal and site transfer costs, installation charges, purchasing and receiving costs, inspection costs, warehousing costs, project personnel travel expenses and other direct and indirect expenses specifically identified as project- or product line-related, as appropriate (e.g., test equipment depreciation and certain insurance expenses). Certain depreciation and amortization expenses related to tangible and intangible assets, respectively, are also allocated to cost of sales.

***Note E: Selling, General and Administrative Expenses***

Selling, general and administrative expenses primarily include the following categories except where an allocation to the cost of sales line item is warranted due to the project- or product-line nature of a portion of the expense category: salaries and wages, employee benefits, non-project travel, insurance, legal, rent, accounting and auditing, recruiting, telephony, employee training, Board of Directors' fees, auto rental, office supplies, dues and subscriptions, utilities, real estate taxes, commissions and bonuses, marketing materials, postage and business taxes. Departments comprising the selling, general and administrative line item primarily include the functions of executive management, finance and accounting, investor relations, regulatory affairs, marketing, business development, information technology, human resources, sales, legal and general administration.

**Table of Contents****Note F: Earnings per Share Data**

Basic earnings per share excludes the dilutive effects of stock options and warrants and of the nil coupon non-redeemable convertible unsecured loan notes. Diluted earnings per share includes the dilutive effect of stock options and warrants and of the nil coupon non-redeemable convertible unsecured loan notes. The following table sets forth the weighted-average shares used in calculating the earnings per share for the three- and six-month periods ended June 30, 2010 and 2009:

	Three Months Ended		Six Months Ended	
	June 30		June 30	
	2010	2009	2010	2009
Basic weighted-average shares	24,215	24,126	24,213	24,119
Conversion of unsecured loan notes Unexercised options and warrants				
Diluted weighted-average shares	24,215	24,126	24,213	24,119

**Note G: Total Comprehensive (Loss)**

Total comprehensive loss for Fuel Tech is comprised of net income and the impact of foreign currency translation as follows:

	Three Months Ended		Six Months Ended	
	June 30		June 30	
	2010	2009	2010	2009
Comprehensive loss:				
Net loss	\$ (309)	\$ (278)	(95)	\$ (1,840)
Foreign currency translation	(58)	50	(117)	35
	\$ (367)	\$ (228)	(212)	\$ (1,805)

**Table of Contents*****Note H: Stock-Based Compensation***

Fuel Tech has a stock-based employee compensation plan, referred to as the Fuel Tech, Inc. Incentive Plan (Incentive Plan), under which awards may be granted to participants in the form of Non-Qualified Stock Options, Incentive Stock Options, Stock Appreciation Rights, Restricted Stock, Performance Awards, Bonuses or other forms of share-based or non-share-based awards or combinations thereof. Participants in the Incentive Plan may be Fuel Tech's directors, officers, employees, consultants or advisors (except consultants or advisors in capital-raising transactions) as the directors determine are key to the success of Fuel Tech's business. The amount of shares that may be issued or reserved for awards to participants under a 2004 amendment to the Incentive Plan is 12.5% of outstanding shares calculated on a diluted basis. At June 30, 2010, Fuel Tech has 515,000 stock options available for issuance under the Incentive Plan.

Fuel Tech utilizes the Black-Scholes option-pricing model to estimate the fair value of stock option grants. The Company recorded stock-based compensation expense for the three- and six-month periods ended June 30, 2010 of \$1,167 and \$2,519, respectively. Fuel Tech recorded \$1,770 and \$3,166 in stock-based compensation expense for the comparable periods in 2009.

The awards granted under the Incentive Plan have a 10-year life and they vest as follows: 50% after the second anniversary of the award date, 25% after the third anniversary, and the final 25% after the fourth anniversary of the award date. Fuel Tech calculates stock compensation expense based on the grant date fair value of the award and recognizes expense on a straight-line basis over the four-year service period of the award.

The principal variable assumptions utilized in valuing options and the methodology for estimating such model inputs include: (1) risk-free interest rate – an estimate based on the yield of zero coupon treasury securities with a maturity equal to the expected life of the option; (2) expected volatility – an estimate based on the historical volatility of Fuel Tech's Common Stock for a period equal to the expected life of the option; and (3) expected life of the option – an estimate based on historical experience including the effect of employee terminations.

Based on the results of the model, the weighted-average fair value of the stock options granted during the six-month period ended June 30, 2010 was \$3.27 per share using the following assumptions:

	<b>2010</b>
Expected dividend yield	0.00%
Risk-free interest rate	1.92%
Expected volatility	67.94%
Expected life of option	5.5 years

**Table of Contents**

Stock option activity for Fuel Tech's Incentive Plan for the six months ended June 30, 2010 was as follows:

	<b>Number</b>	<b>Weighted-</b>	<b>Weighted-</b>	
	<b>of</b>	<b>Average</b>	<b>Average</b>	<b>Aggregate</b>
	<b>Options</b>	<b>Exercise</b>	<b>Remaining</b>	<b>Intrinsic</b>
		<b>Price</b>	<b>Contractual</b>	<b>Value</b>
			<b>Term</b>	
Outstanding on January 1, 2010	3,051,125	\$ 15.28		
Granted	70,000	\$ 5.50		
Exercised	1,500	\$ 6.35		
Expired or forfeited	(249,250)	\$ 17.16		
Outstanding on June 30, 2010	2,870,375	\$ 14.89	6.4 years	\$ 920

Exercisable on June 30, 2010	2,082,500	\$ 14.30	5.8 years	\$ 920
------------------------------	-----------	----------	-----------	--------

Non-vested stock award activity for all plans for the six months ended June 30, 2010 was as follows:

	<b>Non-vested</b>
	<b>Stock</b>
	<b>Outstanding</b>
Outstanding on January 1, 2010	1,267,125
Granted	70,000
Released	(326,000)
Expired or forfeited	(223,250)
Outstanding on June 30, 2010	787,875

As of June 30, 2010, there was \$5,511 of total unrecognized compensation cost related to non-vested stock-based compensation arrangements granted under the Incentive Plan. That cost is expected to be recognized over a period of four years.

In addition to the Incentive Plan, Fuel Tech has a Deferred Compensation Plan for Directors (Deferred Plan). This Deferred Plan, as originally approved, provided for deferral of directors' fees in the form of either cash with interest or as phantom stock units, in either case, however, to be paid out only as cash and not as stock at the elected time of payout. In the second quarter of 2007, Fuel Tech obtained stockholder approval for an amendment to the Deferred Plan to provide that instead of phantom stock units paid out only in cash, the deferred stock unit compensation may be paid out in shares of Fuel Tech Common Stock. Under the guidance of ASC 718-10, this plan modification required that Fuel Tech account for awards under the plan for the receipt of Fuel Tech Common Stock, as equity awards as opposed to liability awards. For the six months ended June 30, 2010, Fuel Tech recorded stock-based compensation expense of \$50 with a credit of the same amount to additional paid-in capital representing the fair value of the stock awards granted.

At June 30, 2010, Fuel Tech had 2,264,000 stock options with exercise prices per share that were not dilutive for the purpose of inclusion in the calculation of diluted earnings per share.

**Note I: Debt**

On June 30, 2009, Fuel Tech entered into a \$25,000 revolving credit facility (the Facility) with JPMorgan Chase Bank, N.A (JPM Chase). The Facility has a term of two years through June 30, 2011, is unsecured, bears interest at a rate of LIBOR plus a spread range of 250 basis points to 375 basis points, as determined under a formula related to the Company's leverage ratio, and has the Company's Italian subsidiary, Fuel Tech S.r.l., as a guarantor. Fuel Tech can use

this Facility for cash advances and standby letters of credit. As of June 30, 2010, there were no outstanding borrowings on this Facility.

**Table of Contents**

At its inception, the Facility contained several debt covenants with which the Company must comply on a quarterly or annual basis, including: an annual capital expenditure limit of \$10,000 and a minimum net income for the quarterly period ended September 30, 2009 of \$750. For subsequent periods, the Facility covenants included an annual capital expenditure limited of \$10,000, a maximum funded debt to EBITDA ratio of 2.75:1.0 for the quarterly period ended June 30, 2010 and a maximum funded debt to EBITDA ratio of 1.5:1.0 for all succeeding quarterly periods until the facility expires. Maximum funded debt is defined as all borrowed funds, outstanding standby letters of credit and bank guarantees. EBITDA includes after tax earnings with add backs for interest expense, income taxes, and depreciation and amortization expenses. In addition, the Company must maintain a minimum tangible net worth of \$42,000, adjusted upward for 50% of net income generated and 100% of all capital issuances.

As of June 30, 2010, the Company was in compliance with all debt covenants of the Facility, including a year-to-date capital expenditure amount of \$642 and a tangible net worth amount of \$53,174 which was above the required amount of \$50,262 by \$2,912.

Beijing Fuel Tech Environmental Technologies Company, Ltd. (Beijing Fuel Tech), a wholly-owned subsidiary of Fuel Tech, has a revolving credit facility (the China Facility) agreement with JPM Chase for RMB 45 million (approximately \$6,600), which expires on June 30, 2011. The facility is unsecured, bears interest at a rate of 120% of the People's Bank of China (PBOC) Base Rate and does not contain any material debt covenants. Beijing Fuel Tech can use this facility for cash advances and bank guarantees. As of June 30, 2010, Beijing Fuel Tech has borrowings outstanding in the amount \$2,203, which bears interest at 5.8% .

At June 30, 2010, the Company had outstanding standby letters of credit and bank guarantees, predominantly to customers, totaling approximately \$1,299 in connection with contracts in process. Fuel Tech is committed to reimbursing the issuing bank for any payments made by the bank under these instruments. At June 30, 2010, there were no cash borrowings under the revolving credit facility and approximately \$23,701 was available.

In the event of default on either the Facility or the China Facility, the cross default feature in each allows the lending bank to accelerate the payment of any amounts outstanding and may, under certain circumstances, allow the bank to cancel the facility. If the Company were unable to obtain a waiver for a breach of covenant and the bank accelerated the payment of any outstanding amounts, such acceleration may cause the Company's cash position to deteriorate or, if cash on hand were insufficient to satisfy the payment due, may require the Company to obtain alternate financing to satisfy the accelerated payment.

**Note J: Business Segment and Geographic Disclosures**

Fuel Tech segregates its financial results into two reportable segments representing two broad technology segments as follows:

- The Air Pollution Control technology segment, which includes the Low- and Ultra-low NOx Burners, over-fire air systems, HERT system, NOxOUT®, CASCADE, AIG, GSG, ULTRA and NOxOUT-SCR® processes for the reduction of NOx emissions in flue gas from boilers, incinerators, furnaces and other stationary combustion sources; and
- The FUEL CHEM® technology segment, which uses chemical processes for the control of slagging, fouling, corrosion, opacity, acid plume and sulfur trioxide-related issues in furnaces and boilers through the addition of chemicals into the fuel using TIFI® Targeted In-Furnace Injection technology.

The Other classification includes those profit and loss items not allocated by Fuel Tech to each reportable segment. Further, there are no intersegment sales that require elimination.

Fuel Tech evaluates performance and allocates resources based on reviewing gross margin by reportable segment. The accounting policies of the reportable segments are the same as those described in the summary of significant accounting policies. Fuel Tech does not review assets by reportable segment, but rather, in aggregate for Fuel Tech as a whole.

**Table of Contents**

Three months ended June 30, 2010	Air Pollution Control Segment	FUEL CHEM Segment	Other	Total
Revenues from external customers	\$ 9,291	\$ 9,611	\$	\$ 18,902
Cost of sales	6,046	5,021		11,067
Gross margin	3,245	4,590		7,835
Selling, general and administrative			8,018	8,018
Research and development			165	165
Operating income (loss)	\$ 3,245	\$ 4,590	\$ 8,183	\$ (348)

Three months ended June 30, 2009	Air Pollution Control Segment	FUEL CHEM Segment	Other	Total
Revenues from external customers	\$ 9,177	\$ 9,745	\$	\$ 18,922
Cost of sales	4,688	5,690		10,378
Gross margin	4,489	4,055		8,544
Selling, general and administrative			8,876	8,876
Research and development			77	77
Operating income (loss)	\$ 4,489	\$ 4,055	\$ 8,953	\$ (409)

Six months ended June 30, 2010	Air Pollution Control Segment	FUEL CHEM Segment	Other	Total
Revenues from external customers	\$ 17,505	\$ 19,014	\$	\$ 36,519
Cost of sales	11,304	9,263		20,567
Gross margin	6,201	9,751		15,952
Selling, general and administrative			15,498	15,498
Research and development			311	311
Operating income (loss)	\$ 6,201	\$ 9,751	\$ 15,809	\$ 143

Six months ended June 30, 2009	Air Pollution Control Segment	FUEL CHEM Segment	Other	Total
Revenues from external customers	\$ 17,997	\$ 18,242	\$	\$ 36,239
Cost of sales	11,007	10,745		21,752
Gross margin	6,990	7,497		14,487
Selling, general and administrative			17,130	17,130
Research and development			231	231
Operating income (loss)	\$ 6,990	\$ 7,497	\$ 17,361	\$ (2,874)



**Table of Contents**

Information concerning Fuel Tech's operations by geographic area is provided below. Revenues are attributed to countries based on the location of the customer. Assets are those directly associated with operations of the geographic area.

	Three months ended June		Six months ended June	
	2010	2009	2010	2009
Revenues:				
United States	\$ 14,461	\$ 14,722	\$ 29,502	\$ 29,060
Foreign	4,441	4,200	7,017	7,179
	\$ 18,902	\$ 18,922	\$ 36,519	\$ 36,239
			June 30,	December
			2010	31,
Assets:				2009
United States			\$ 85,696	\$ 82,261
Foreign			10,318	10,001
			\$ 96,014	\$ 92,262

**Note K: Contingencies**

Fuel Tech issues a standard product warranty with the sale of its products to customers. Fuel Tech's recognition of warranty liability is based, generally, on analyses of warranty claims experience in the preceding years. Our recognition of warranty liability is based primarily on analyses of warranty claims experienced in the preceding years as the nature of our historical product sales for which we offer a warranty are substantially unchanged. This approach provides an aggregate warranty accrual that is historically aligned with actual warranty claims experienced. Changes in the warranty liability for the six months ended June 30, 2010 are summarized below:

Aggregate product warranty liability at January 1, 2010	\$ 199
Aggregate accruals related to product warranties	60
Aggregate reductions for payments	(57)
Aggregate product warranty liability at June 30, 2010	\$ 202

**Note L: Income Tax**

Fuel Tech had unrecognized tax benefits as of December 31, 2009 in the amount of \$870. This amount included \$840 of unrecognized tax benefits which, if ultimately recognized, will reduce Fuel Tech's annual effective tax rate. There have been no material changes in unrecognized tax benefits during the six months ended June 30, 2010.

**Table of Contents****Note M: Recently Adopted Accounting Pronouncements**

In February 2010, the Financial Accounting Standards Board (FASB) issued amended guidance on subsequent events. Under this amended guidance, SEC filers are no longer required to disclose the date through which subsequent events have been evaluated in originally issued and revised financial statements. This guidance was effective immediately and we adopted these new requirements for the quarter ended March 31, 2010.

In January 2010, the FASB issued authoritative guidance that expands the required disclosures about fair value measurements. This guidance provides for new disclosures requiring the Company to (i) disclose separately the amounts of significant transfers in and out of Level 1 and Level 2 fair value measurements and describe the reasons for the transfers and (ii) present separately information about purchases, sales, issuances and settlements in the reconciliation of Level 3 fair value measurements. This guidance also provides clarification of existing disclosures requiring the Company to (i) determine each class of assets and liabilities based on the nature and risks of the investments rather than by major security type and (ii) for each class of assets and liabilities, disclose the valuation techniques and inputs used to measure fair value for both Level 2 and Level 3 fair value measurements. This guidance became effective for Fuel Tech on January 1, 2010, except for the presentation of purchases, sales, issuances and settlements in the reconciliation of Level 3 fair value measurements, which is effective for Fuel Tech on January 1, 2011, and did not have a material impact on the Company's consolidated financial statements. The guidance pertaining to the presentation of purchases, sales, issuances and settlements in the reconciliation of Level 3 fair value measurements is not expected to have a material impact on the Company's consolidated financial statements.

**Note N: Business Acquisitions**

Fuel Tech accounts for its acquisitions as purchases in accordance with ASC 805. Accordingly, in connection with each acquisition, the purchase price is allocated to the estimated fair values of all acquired tangible and intangible assets and assumed liabilities as of the date of the acquisition.

*Advanced Combustion Technology, Inc.*

On January 5, 2009, Fuel Tech completed its acquisition of substantially all of the assets of Advanced Combustion Technology, Inc. (ACT or the ACT Acquisition) for approximately \$22,500 in cash, including transaction costs, plus future consideration if certain financial performance is achieved. In connection with the final determination of the Adjustment Calculation (as defined in the asset purchase agreement) related to the net working capital amount, Fuel Tech paid ACT an additional \$1,523 on July 23, 2009. All of the goodwill recognized is expected to be deductible for income tax purposes. Operating results related to the acquisition of substantially all of the assets of ACT and all of the related goodwill are reported as part of the APC Technology segment. Acquisition related costs, including out-of-pocket expenses related to the transaction, were insignificant.

Below is a breakdown of amounts recognized as of the acquisition date for each major class of assets acquired and liabilities assumed as a result of the Company's acquisition of ACT:

Identifiable assets acquired and liabilities assumed	
Accounts receivable	5,928
Identifiable intangible assets	5,817
Other assets	247
Contingent consideration	2,307
Accounts payable	(2,673)
Other current liabilities	(402)
Total identifiable net assets	8,917
Goodwill	15,880
Total net assets recorded	24,797

At March 31, 2009, the Company recorded a contingent consideration accrual representing the fair value, weighted-average probability of future consideration expected to be paid in connection with the acquisition of substantially all of the assets of ACT

**Table of Contents**

of \$2,307. The contingent consideration arrangement requires the Company to pay ACT a pro rata amount of up to \$4,000 annually for the achievement of a minimum annual gross margin dollar level (the Hurdle) of \$10,000, \$11,000 and \$12,000 in fiscal 2009, 2010 and 2011, respectively. In addition, the Company is required to pay ACT thirty-five percent (35%) of all qualifying gross margin dollars above the annual Hurdle rate for each of the three years. The potential undiscounted amount of all future payments that the Company could be required to make under the contingent consideration arrangement is between \$0 and \$4,000 in any one year, and \$0 and \$12,000 in total, not including the amount related to the thirty-five percent (35%) sharing of qualifying gross margin dollars above the pre-determined Hurdle. The fair value of the contingent consideration arrangement of \$2,307 was calculated using a probability of payout for each of the three years and included only twenty-five percent (25%) of the weighted-average, probable three-year aggregate payout as up to seventy-five percent (75%) of the contingent consideration is subject to forfeiture.

***Note O: Goodwill***

Goodwill is allocated to each of Fuel Tech's reporting units after considering the nature of the net assets giving rise to the goodwill and how each reporting unit would enjoy the benefits and synergies of the net assets acquired. Fuel Tech has two reporting units which are reported in the FUEL CHEM segment and the APC technology segment. As of June 30, 2010 and December 31, 2009, goodwill allocated to the FUEL CHEM technology segment was \$1,723 and \$1,723, respectively, while goodwill allocated to the APC Technology segment was \$19,328 and \$19,328, respectively.

**Table of Contents****FUEL TECH, INC.**

## Item 2. Management's Discussion and Analysis of Financial Condition and Results of Operations

***Results of Operations***

Revenues for the three months ended June 30, 2010 and 2009 were \$18,902 and \$18,922, respectively, while revenues for the six months ended June 30, 2010 and 2009 were \$36,519 and \$36,239, respectively. While revenues for the quarter and year-to-date remain flat, total revenues reflect an increase in FUEL CHEM technology segment revenues partially offset by lower APC technology segment revenues.

The Air Pollution Control (APC) technology segment generated revenues of \$9,291 and \$17,505 for the three- and six-month periods ended June 30, 2010, respectively, an increase of \$114, or 1%, and a decrease of \$492, or 3%, from the respective prior year periods due to timing of completion on existing capital project orders for pollution control equipment. While revenues are down from the prior year, this segment remains uniquely positioned to capitalize on the next phase of increasingly stringent U.S. air quality standards, specifically on NOx control. Interest in Fuel Tech's suite of pollution control technologies, on both a new and retrofit basis, remains strong, both domestically and abroad. Consolidated APC backlog at June 30, 2010 was \$20,734 versus backlog at June 30, 2009 of approximately \$13,632. Substantially all of the backlog as of June 30, 2010 should be recognized as revenue in fiscal 2010, although the timing of such revenue recognition in 2010 is subject to the timing of the expenses incurred on existing projects. The FUEL CHEM technology segment generated revenues of \$9,611 and \$19,014 for the three- and six-month periods ended June 30, 2010, respectively, a decrease of \$134, or 1%, and an increase \$772, or 4%, versus the respective prior year periods. This year-to-date increase is primarily due to revenue from a new commercial customer with a one-time risk share payment relating to a successful demonstration performed in the prior year. Despite a flat year in 2009, both in terms of revenues generated and new FUEL CHEM customer units added, the marketplace acceptance for Fuel Tech's patented TIFI Targeted In-Furnace Injection technology remains strong, which represent the largest market opportunity for the technology.

Cost of sales as a percentage of revenue for the three months ended June 30, 2010 and 2009 was 59% and 55%, respectively. The cost of sales percentage for the APC technology segment increased to 65% from 51% in the comparable prior-year period, primarily due to the mix of lower margin products within the technology segment. For the FUEL CHEM technology segment, the cost of sales percentage decreased to 52% from 58% for the comparable prior-year quarter. This decrease was primarily due to international demonstration costs that were incurred in the second quarter of 2009.

Cost of sales as a percentage of revenue for the six months ended June 30, 2010 and 2009 was 56% and 60%, respectively. The cost of sales percentage for the APC technology segment increased from 61% to 65%. For the FUEL CHEM technology segment, the cost of sales percentage decreased to 49% from 59% for the comparable six-month quarter. This decrease was primarily due to recognition of a one time risk share payment for a substantial demonstration program recognized in the first quarter of 2010 from a demonstration program completed in 2009. Selling, general and administrative expenses (SG&A) for the quarters ended June 30, 2010 and 2009 were \$8,018 and \$8,876, respectively. Of the \$858 decrease in SG&A for the quarter versus the prior year, \$603 is related to stock compensation expense, while \$360 is related to the reallocation of resources within the company. Of the \$1,632 increase in SG&A expenses for the six-month period ended June 30, 2009, \$1,655 is related to the aforementioned reasons.

Research and development (R&D) expenses for the three months ended June 30, 2010 and 2009 were \$165 and \$77, respectively, while R&D expenditures for the six months ended June 30, 2010 and 2009 were \$311 and \$231, respectively. The Company's increased expenses are due to an increased effort in expanding its offerings on the FUEL CHEM technology segment

Interest expense for the three- and six-month periods ended June 30, 2010 of \$33 and \$77, respectively, is due to borrowings for the Beijing Fuel Tech Facility. A portion of the borrowings was repaid during the second quarter of 2010.

The income tax benefit for the three- and six-month periods ended June 30, 2010 and 2009 were \$237 and \$188 and \$95 and \$1,229, respectively, reflecting the Company's pre-tax loss position, respectively.



**Table of Contents*****Liquidity and Sources of Capital***

At June 30, 2010, Fuel Tech had cash and cash equivalents, short-term investments and restricted cash on hand of \$21,066 and working capital of \$33,366 versus \$20,965 and \$30,578 at December 31, 2009, respectively.

Operating activities provided \$1,327 of cash during the six-month period ended June 30, 2010, primarily due to the add back of non-cash items including stock compensation expense of \$2,519, depreciation expense of \$1,626, amortization expense of \$443, and an increase in other noncurrent liabilities of \$2,097. Partially offsetting these items was a decrease in income tax provision of \$887 and \$4,434 in accounts receivable.

Investing activities used cash of \$442 during the six months ended June 30, 2010, the majority of which was used for capital expenditures, primarily to support and enhance the operations of the FUEL CHEM technology segment.

On June 30, 2009, Fuel Tech entered into a \$25,000 revolving credit facility (the Facility) with JPMorgan Chase Bank, N.A (JPM Chase). The Facility has a term of two years through June 30, 2011, is unsecured, bears interest at a rate of LIBOR plus a spread range of 250 basis points to 375 basis points, as determined under a formula related to the Company's leverage ratio, and has the Company's Italian subsidiary, Fuel Tech S.r.l., as a guarantor. Fuel Tech can use this Facility for cash advances and standby letters of credit. As of June 30, 2010, there were no outstanding borrowings on this Facility.

At its inception, the Facility contained several debt covenants with which the Company must comply on a quarterly or annual basis, including: an annual capital expenditure limit of \$10,000 and a minimum net income for the quarterly period ended September 31, 2009 of \$750. For subsequent periods, the Facility covenants included an annual capital expenditure limited of \$10,000, a maximum funded debt to EBITDA ratio of 2.75:1.0 for the quarterly period ended June 30, 2010 and a maximum funded debt to EBITDA ratio of 1.5:1.0 for all succeeding quarterly periods until the facility expires. Maximum funded debt is defined as all borrowed funds, outstanding standby letters of credit and bank guarantees. EBITDA includes after tax earnings with add backs for interest expense, income taxes, and depreciation and amortization expenses. In addition, the Company must maintain a minimum tangible net worth of \$42,000, adjusted upward for 50% of net income generated and 100% of all capital issuances.

As of June 30, 2010, the Company was in compliance with all debt covenants of the Facility, including a year-to-date capital expenditure amount of \$642 and a tangible net worth amount of \$53,174 which was above the required amount of \$50,262 by \$2,912.

Beijing Fuel Tech Environmental Technologies Company, Ltd. (Beijing Fuel Tech), a wholly-owned subsidiary of Fuel Tech, has a revolving credit facility (the China Facility) agreement with JPM Chase for RMB 45 million (approximately \$6,600), which expires on June 30, 2011. The facility is unsecured, bears interest at a rate of 120% of the People's Bank of China (PBOC) Base Rate and does not contain any material debt covenants. Beijing Fuel Tech can use this facility for cash advances and bank guarantees. As of June 30, 2010, Beijing Fuel Tech has borrowings outstanding in the amount \$2,203, which bears interest at 5.8%.

At June 30, 2010, the Company had outstanding standby letters of credit and bank guarantees, predominantly to customers, totaling approximately \$1,299 in connection with contracts in process. Fuel Tech is committed to reimbursing the issuing bank for any payments made by the bank under these instruments. At June 30, 2010, there were no cash borrowings under the revolving credit facility and approximately \$23,701 was available.

In the event of default on either the Facility or the China Facility, the cross default feature in each allows the lending bank to accelerate the payment of any amounts outstanding and may, under certain circumstances, allow the bank to cancel the facility. If the Company were unable to obtain a waiver for a breach of covenant and the bank accelerated the payment of any outstanding amounts, such acceleration may cause the Company's cash position to deteriorate or, if cash on hand were insufficient to satisfy the payment due, may require the Company to obtain alternate financing to satisfy the accelerated payment.

The Company utilized cash from financing activities during the three months ended June 30, 2010 of \$667, primarily from the repayment of a portion of the debt outstanding for the China facility. Offsetting this amount was \$50 from non cash stock based compensation from the issuance of directors' deferred shares of stock.

**Table of Contents**

In the opinion of management, Fuel Tech's expected near-term revenue growth will be driven by the timing of penetration of the coal-fired utility marketplace via utilization of its TIFI technology, by utility and industrial entities adherence to the NOx reduction requirements of the various domestic environmental regulations, and by the expansion of both business segments in non-U.S. geographies. Fuel Tech expects its liquidity requirements to be met by the operating results generated from these activities.

***Contingencies and Contractual Obligations***

Fuel Tech issues a standard product warranty with the sale of its products to customers as discussed in Note K. The change in the warranty liability balance during the three months ended June 30, 2010 was not material.

**Table of Contents**

***Forward-Looking Statements***

This Quarterly Report on Form 10-Q contains forward-looking statements, as defined in Section 21E of the Securities Exchange Act of 1934, as amended, which are made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and reflect Fuel Tech's current expectations regarding future growth, results of operations, cash flows, performance and business prospects, and opportunities, as well as assumptions made by, and information currently available to, our management. Fuel Tech has tried to identify forward-looking statements by using words such as anticipate, believe, plan, expect, estimate, intend, will, and similar expressions, but these are not the exclusive means of identifying forward-looking statements. These statements are based on information currently available to Fuel Tech and are subject to various risks, uncertainties, and other factors, including, but not limited to, those discussed in Fuel Tech's Annual Report on Form 10-K for the year ended December 31, 2009 in Item 1A under the caption Risk Factors, which could cause Fuel Tech's actual growth, results of operations, financial condition, cash flows, performance and business prospects and opportunities to differ materially from those expressed in, or implied by, these statements. Fuel Tech undertakes no obligation to update such factors or to publicly announce the results of any of the forward-looking statements contained herein to reflect future events, developments, or changed circumstances or for any other reason. Investors are cautioned that all forward-looking statements involve risks and uncertainties, including those detailed in Fuel Tech's filings with the Securities and Exchange Commission. Item 3. Quantitative and Qualitative Disclosures about Market Risk

***Foreign Currency Risk Management***

Fuel Tech's earnings and cash flow are subject to fluctuations due to changes in foreign currency exchange rates. We do not enter into foreign currency forward contracts nor into foreign currency option contracts to manage this risk due to the immaterial nature of the transactions involved.

Fuel Tech is also exposed to changes in interest rates primarily due to its long-term debt arrangement (refer to Note I to the consolidated financial statements). A hypothetical 100 basis point adverse move in interest rates along the entire interest rate yield curve would not have a materially adverse effect on interest expense during the upcoming year ended December 31, 2010.

**Item 4. Controls and Procedures**

Fuel Tech maintains disclosure controls and procedures and internal controls designed to ensure (a) that information required to be disclosed in Fuel Tech's filings under the Securities Exchange Act of 1934 is recorded, processed, summarized and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and (b) that such information is accumulated and communicated to management, including the principal executive and financial officer, as appropriate to allow timely decisions regarding required disclosure.

There has been no change in the Company's internal control over financial reporting during the quarter covered by this report that has materially affected, or is reasonably likely to materially affect, its internal control over financial reporting.



**Table of Contents**

**PART II. OTHER INFORMATION**

Item 1. Legal Proceedings

None

Item 1A. Risk Factors

The risk factors included in our Annual Report on Form 10-K for fiscal year ended December 31, 2009 have not materially changed.

Item 2. Unregistered Sales of Equity Securities and Use of Proceeds

None

Item 6. Exhibits

a. Exhibits (all filed herewith)

10.1 Employment Agreement, dated August 2, 2010, between Fuel Tech, Inc, and David S. Collins

31.1 Certification of CEO pursuant to Section 302 of Sarbanes-Oxley Act of 2002

31.2 Certification of CFO pursuant to Section 302 of Sarbanes-Oxley Act of 2002

32 Certification of CEO and CFO pursuant to Section 906 of Sarbanes-Oxley Act of 2002

**Table of Contents**

**FUEL TECH, INC.**

**Signatures**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

Date: August 9, 2010

By: /s/ Douglas G. Bailey  
Douglas G. Bailey  
President and Chief Executive Officer  
(Principal Executive Officer)

Date: August 9, 2010

By: /s/ David S. Collins  
David S. Collins  
Senior Vice President and Chief  
Financial Officer  
(Principal Financial Officer)