## **UNITED STATES**

## **SECURITIES AND EXCHANGE COMMISSION**

**WASHINGTON, DC 20549** 

## **FORM 10-Q**

⊠ QUARTE	ERLY REPORT PURSUANT TO	O SECTION 13 OR 15(d) OF	THE SECURITIES EXCHANGE ACT OF 1934	
	For t	he quarterly period ended M	arch 31, 2020	
□ TRANSI	FION DEDODT DIDSHANT TO	Or O SECTION 12 OD 15(4) OE	THE SECUDITIES EVOLUTION ACT OF 1024	
		ansition period from	THE SECURITIES EXCHANGE ACT OF 1934	
	For the tro	Commission file number 1		
			<del></del>	
	$\mathbf{C}$	abot Corpor	ation	
		name of registrant as specifie		
			<del></del>	
	Delaware (State or other jurisdiction of		<b>04-2271897</b> (I.R.S. Employer	
	incorporation or organization)		Identification No.)	
	Two Seaport Lane			
(A	Boston, Massachusetts  ddress of principal executive offices)		02210-2019 (Zip Code)	
`		ephone number, including ar		
Securities registers	ed pursuant to Section 12(b) of the S	Securities Exchange Act of 1934:		
	Title of each class	Trading symbol(s)	Name of each exchange on which registered	$\neg$
Common	Stock, \$1 par value per share	CBT	The New York Stock Exchange	
	onths (or for such shorter period tha		led by Section 13 or 15(d) of the Securities Exchange Act of a lile such reports), and (2) has been subject to such filing require	
			tive Data File required to be submitted pursuant to Rule 405 of riod that the registrant was required to submit such	
	y. See the definitions of "large accel		d filer, a non-accelerated filer, smaller reporting company, or "smaller reporting company," and "emerging growth compan	
Large accelerated filer	$\boxtimes$		Accelerated filer	
Non-accelerated filer			Smaller reporting company	
Emerging growth compan	у 🗆			
0 00	wth company, indicate by check ma ng standards provided pursuant to Se	9	t to use the extended transition period for complying with any . $\Box$	y new or
Indicate by check	mark whether the registrant is a shel	l company (as defined in Rule 12	2b-2 of the Exchange Act). Yes □ No ⊠	
The Company had	56,453,481 shares of common stock	k, \$1.00 par value per share, outs	tanding as of May 6, 2020.	

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## Item 1. Financial Statements

## CABOT CORPORATION CONSOLIDATED STATEMENTS OF OPERATIONS UNAUDITED

		Three Months E			Six Months Ended March 31			
		2020	2019		2020		2019	
Net sales and other operating revenues	\$	710	(In millions, excep \$ 844	t per s \$	share amounts) 1,437	\$	1,665	
Cost of sales	Ψ	557	666	Ψ	1,143	Ψ	1,321	
Gross profit		153	178	_	294		344	
Selling and administrative expenses		114	70		178		143	
Research and technical expenses		14	15		28		31	
Specialty Fluids loss on sale and asset impairment		1	20		1		20	
Income (loss) from operations		24	73	_	87		150	
Interest and dividend income		3	2		6		4	
Interest expense		(14)	(14)		(28)		(29)	
Other income (expense)		(1)	(12)		(3)		(6)	
Income (loss) before income taxes								
and equity in earnings of affiliated companies		12	49		62		119	
(Provision) benefit for income taxes		(10)	(20)		(14)		(13)	
Equity in earnings of affiliated companies, net of tax		1			1		<u> </u>	
Net income (loss)		3	29		49		106	
Net income (loss) attributable to noncontrolling interests, net								
of tax		4	6		9		14	
Net income (loss) attributable to Cabot Corporation	\$	(1)	\$ 23	\$	40	\$	92	
	· <u> </u>						_	
Weighted-average common shares outstanding:								
Basic		56.6	59.1		56.7		59.5	
Diluted		56.6	59.3		56.8		59.7	
Earnings per common share:								
Basic	\$	(0.01)	\$ 0.39	\$	0.70	\$	1.53	
Diluted	\$	(0.01)	\$ 0.39	\$	0.70	\$	1.53	

## $\begin{array}{c} \textbf{CABOT CORPORATION} \\ \textbf{CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME (LOSS)} \\ \textbf{UNAUDITED} \end{array}$

	Three Months Ended March 31					Six Months Ended March 31				
		2020		2019		2020		2019		
	_	_	_	(In mi	llions)		_			
Net income (loss)	\$	3	\$	29	\$	49	\$	106		
Other comprehensive income (loss), net of tax										
Foreign currency translation adjustment, net of tax		(78)		8		(35)		(16)		
Derivatives: net investment hedges										
(Gains) losses reclassified to interest expense, net of tax		(1)		(1)		(2)		(2)		
(Gains) losses excluded from effectiveness testing and amortized to										
interest expense, net of tax		1		_		1		_		
Pension and other postretirement benefit liability adjustments, net of tax		_		_		1		22		
Other comprehensive income (loss)		(78)		7		(35)		4		
Comprehensive income (loss)		(75)		36		14		110		
Net income (loss) attributable to noncontrolling interests, net										
of tax		4		6		9		14		
Foreign currency translation adjustment attributable to										
noncontrolling interests, net of tax		(3)		2		_		2		
Comprehensive income (loss) attributable to noncontrolling										
interests, net of tax		1		8		9		16		
Comprehensive income (loss) attributable to Cabot Corporation	\$	(76)	\$	28	\$	5	\$	94		

# CABOT CORPORATION CONSOLIDATED BALANCE SHEETS ASSETS UNAUDITED

	March 31, 2020	September 30, 2019
	(In	millions)
Current assets:		
Cash and cash equivalents	\$ 142	\$ 169
Accounts and notes receivable, net of reserve for doubtful		
accounts of \$3 and \$3	462	530
Inventories:		
Raw materials	103	107
Finished goods	312	305
Other	54	54
Total inventories	469	466
Prepaid expenses and other current assets	98	45
Total current assets	1,171	1,210
Property, plant and equipment, net	1,369	1,348
Goodwill	82	90
Equity affiliates	36	39
Intangible assets, net	87	96
Deferred income taxes	181	163
Other assets	171	58
Total assets	\$ 3,097	\$ 3,004

# CABOT CORPORATION CONSOLIDATED BALANCE SHEETS LIABILITIES AND STOCKHOLDERS' EQUITY UNAUDITED

	Marc	ch 31, 2020	September 30, 2019
		(In millions, ex and per share	
Current liabilities:			,
Short-term borrowings	\$	_	\$ 33
Accounts payable and accrued liabilities		530	537
Income taxes payable		26	22
Current portion of long-term debt		7	7
Total current liabilities		563	599
Long-term debt		1,190	1,024
Deferred income taxes		41	41
Other liabilities		268	206
Commitments and contingencies (Note G)			
Stockholders' equity:			
Preferred stock:			
Authorized: 2,000,000 shares of \$1 par value		_	_
Issued and Outstanding: None and none			
Common stock:			
Authorized: 200,000,000 shares of \$1 par value			
Issued: 56,598,515 and 57,250,454 shares			
Outstanding: 56,444,288 and 57,080,589 shares		56	57
Less cost of 154,227 and 169,865 shares of common treasury stock		(4)	(5)
Retained earnings		1,302	1,337
Accumulated other comprehensive income (loss)		(429)	(391)
Total Cabot Corporation stockholders' equity		925	998
Noncontrolling interests		110	136
Total stockholders' equity		1,035	1,134
Total liabilities and stockholders' equity	\$	3,097	\$ 3,004

## CABOT CORPORATION CONSOLIDATED STATEMENTS OF CASH FLOWS UNAUDITED

		Six Months Ended March 31				
	2	020	2019			
		(In millions)				
Cash Flows from Operating Activities:						
Net income (loss)	\$	49 \$	106			
Adjustments to reconcile net income (loss) to cash provided by operating activities:						
Depreciation and amortization		78	73			
Impairment of held for sale assets		_	20			
Impairment of investment in equity affiliate			11			
Deferred tax provision (benefit)		(23)	(29)			
Employee benefit plan settlement			6			
Equity in earnings of affiliated companies		(1)	_			
Non-cash compensation		3	7			
Other non-cash (income) expense		4	(1)			
Changes in assets and liabilities:						
Accounts and notes receivable		56	39			
Inventories		(8)	(51)			
Prepaid expenses and other current assets		(33)	(7)			
Accounts payable and accrued liabilities		4	(77)			
Income taxes payable		5	(21)			
Other liabilities		(6)	(27)			
Cash dividends received from equity affiliates		1	2			
Cash provided (used) by operating activities		129	51			
Cash Flows from Investing Activities:						
Additions to property, plant and equipment		(119)	(97)			
Acquisition of business		(8)	_			
Other	<u></u>	1	(1)			
Cash provided (used) by investing activities		(126)	(98)			
Cash Flows from Financing Activities:	·					
Borrowings under financing arrangements		_	29			
Proceeds from issuance (repayments) of commercial paper, net		(33)	297			
Proceeds from long-term debt		197	_			
Repayments of long-term debt		(50)	(75)			
Repayments of redeemable preferred stock		_	(25)			
Purchases of common stock		(44)	(112)			
Proceeds from sales of common stock		3	1			
Cash dividends paid to noncontrolling interests		(23)	(17)			
Cash dividends paid to common stockholders		(40)	(40)			
Cash provided (used) by financing activities	·	10	58			
Effects of exchange rate changes on cash		(5)	(10)			
Increase (decrease) in cash, cash equivalents and restricted cash		8	1			
Cash, cash equivalents and restricted cash at beginning of period	<u> </u>	169	175			
Cash, cash equivalents and restricted cash at end of period	\$	177 \$	176			

The following table presents the Company's cash, cash equivalents and restricted cash by category within the Consolidated Balance Sheets:

	N	1arch 31, 2020	March 31, 2019			
		(In millions)				
Cash and cash equivalents	\$	142 \$	176			
Restricted cash classified within Prepaid expenses and other current assets		35				
Cash, cash equivalents and restricted cash	\$	177 \$	176			

## CABOT CORPORATION CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY UNAUDITED

	Common St Treasur			ditional aid-in	R	etained		ccumulated Other mprehensive	Total Cabo Corporatio Stockholder	n	Noncontrolling	Total Stockholders'
	Shares	_	Cost	apital		arnings		come (Loss)	Equity		Interests	Equity
					(I		exce	pt share amou				
Balance at September 30, 2019	57,081	\$	52	\$ _	\$	1,337	\$	(391)	\$ 99	8	\$ 136	\$ 1,134
Adoption of accounting standards						3	\$	(3)	-	_		_
Net income (loss)						41			۷	11	5	46
Total other comprehensive income (loss)								40	۷	10	3	43
Cash dividends paid:												
Common stock, \$0.35 per share						(20)			(2	20)		(20)
Cash dividends declared to noncontrolling												
interests											(19)	(19)
Issuance of stock under equity compensation												
plans	273		_	1						1		1
Amortization of share-based compensation				1						1		1
Purchase and retirement of common stock	(699)			(2)		(32)			(3	34)		(34)
Balance at December 31, 2019	56,655	\$	52	\$ _	\$	1,329	\$	(354)	\$ 1,02	27	\$ 125	\$ 1,152
Net income (loss)						(1)			\$	(1)	4	\$ 3
Total other comprehensive income (loss)								(75)	(7	75)	(3)	(78)
Cash dividends paid:												
Common stock, \$0.35 per share						(20)			(2	20)		(20)
Cash dividends declared to noncontrolling												
interests									-	_	(16)	(16)
Issuance of stock under equity compensation												
plans	30		_	2						2		2
Amortization of share-based compensation				2						2		2
Purchase and retirement of common stock	(241)		_	(4)		(6)			(1	0)		(10)
Balance at March 31, 2020	56,444	\$	52	\$	\$	1,302	\$	(429)	\$ 92	25	\$ 110	\$ 1,035

## CABOT CORPORATION CONSOLIDATED STATEMENTS OF CHANGES IN STOCKHOLDERS' EQUITY UNAUDITED

	Common St Treasury				itional id-in	R	etained		cumulated Other prehensive	Cor	tal Cabot rporation kholders'	Noncon	trolling		Total kholders'
	Shares	(	Cost	Ca	pital		arnings		ome (Loss) ot share amou		Equity	Inte	rests	I	Equity
Balance at September 30, 2018	60,367	\$	54	\$		<u>(1</u>	1,417	s excep	(317)		1,154	\$	125	\$	1,279
Net income (loss)	00,507	Ψ	51	Ψ		Ψ	69	Ψ	(517)	Ψ	69	Ψ	8	Ψ	77
Total other comprehensive income (loss)							0.5		(3)		(3)		_		(3)
Cash dividends paid:											( )				
Common stock, \$0.33 per share							(20)				(20)				(20)
Cash dividends declared to noncontrolling															
interests															_
Issuance of stock under equity															
compensation plans	344		_		_						_				_
Amortization of share-based compensation					5						5				5
Purchase and retirement of common stock	(1,201)		(1)		(5)		(56)				(62)				(62)
Balance at December 31, 2018	59,510	\$	53	\$		\$	1,410	\$	(320)	\$	1,143	\$	133	\$	1,276
Net income (loss)							23				23		6		29
Total other comprehensive income (loss)									5		5		2		7
Cash dividends paid:															
Common stock, \$0.33 per share							(20)				(20)				(20)
Cash dividend declared to noncontrolling															
interests													(13)		(13)
Issuance of stock under equity															
compensation plans	41		1		_						1				1
Amortization of share-based compensation					2						2				2
Purchase and retirement of common stock	(1,101)		(2)		(2)		(46)				(50)				(50)
Balance at March 31, 2019	58,450	\$	52	\$		\$	1,367	\$	(315)	\$	1,104	\$	128	\$	1,232

# CABOT CORPORATION NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS MARCH 31, 2020 UNAUDITED

#### A. Basis of Presentation

The consolidated financial statements have been prepared in conformity with accounting policies generally accepted in the United States ("U.S.") and include the accounts of Cabot Corporation ("Cabot" or the "Company") and its wholly owned subsidiaries and majority-owned and controlled U.S. and non-U.S. subsidiaries. Additionally, Cabot considers consolidation of entities over which control is achieved through means other than voting rights. Intercompany transactions have been eliminated in consolidation.

The unaudited consolidated financial statements have been prepared in accordance with the requirements of Form 10-Q and consequently do not include all disclosures required by Form 10-K. Additional information may be obtained by referring to Cabot's Annual Report on Form 10-K for its fiscal year ended September 30, 2019 ("2019 10-K").

The financial information submitted herewith is unaudited and reflects all adjustments which are, in the opinion of management, necessary to provide a fair statement of the results for the interim periods ended March 31, 2020 and 2019. All such adjustments are of a normal recurring nature. The results for interim periods are not necessarily indicative of the results to be expected for the fiscal year.

Effective October 1, 2019, the Company adopted the accounting standard for leases issued by the Financial Accounting Standards Board ("FASB") in February 2016.

## **B. Significant Accounting Policies**

Cabot's significant accounting policies have not substantially changed from those described in the 2019 Form 10-K filed with the U.S. Securities and Exchange Commission ("SEC") on November 22, 2019.

## Recently Adopted Accounting Standards

In February 2016, the FASB issued a new standard for the accounting for leases. This standard requires lessees to recognize assets and liabilities for most leases, but recognize expenses on their income statements in a manner that is similar to the historical accounting treatment for leases. The Company adopted the standard on October 1, 2019 using the modified retrospective optional transition method. Accordingly, leases in the prior period continue to be reported and disclosed in accordance with the Company's historical accounting treatment. The Company elected the package of practical expedients that permits the Company to not reassess the identification, classification and initial direct costs of leases commencing before the October 1, 2019 effective date and to exclude short-term leases from the balance sheet. The Company did not elect the hindsight practical expedient to determine the lease term for existing leases or the practical expedient to not separate lease and non-lease components to existing leases, as well as new leases, through transition. The Company allocates the total consideration to the lease components and non-lease components on an observable stand-alone price basis to all asset classes.

Adoption of the new lease standard resulted in the recognition of operating lease right-of-use ("ROU") assets and operating lease liabilities of approximately \$106 million and \$111 million, respectively, as of October 1, 2019. Refer to Note H for further details regarding the balance sheet classification of these items. The difference between the operating lease ROU assets and operating lease liabilities reflects the reclassification of historical deferred rent balances of approximately \$5 million. The effects of transition to the new standard resulted in no cumulative adjustment to retained earnings in the period of adoption. The standard did not materially impact the Company's Consolidated Statement of Operations or Consolidated Statement of Cash Flows. The new standard did not have a material impact on the Company's liquidity or debt-covenant compliance as of adoption.

In February 2018, the FASB issued a new standard that allows entities to reclassify from Accumulated other comprehensive income (loss) ("AOCI") to Retained earnings stranded tax effects resulting from changes made as a result of the Tax Cuts and Jobs Act of 2017 (the "Act"). The Company adopted this standard on October 1, 2019 which resulted in the reclassification of a \$2 million net gain from AOCI to Retained earnings. The reclassification was primarily related to the Company's pension plans and derivative instruments.

## Recent Accounting Pronouncements

In June 2016, the FASB issued a new standard on measurement of credit losses. The standard introduces an "expected loss" impairment model that applies to most financial assets measured at amortized cost and certain other instruments, including trade and other receivables and other financial assets. Entities are required to estimate expected credit losses over the life of financial assets and record an allowance against the assets' amortized cost basis to present them at the amount expected to be collected. The new standard is effective for fiscal years beginning after December 15, 2019 and early adoption is permitted. The Company will

adopt this standard effective October 1, 2020. The Company does not expect the adoption of this standard to materially impact the Company's consolidated financial statements.

## C. Acquisitions and Divestitures

## Acquisitions

## NSCC Carbon (Jiangsu) Co. Ltd

In September 2018, the Company acquired NSCC Carbon (Jiangsu) Co. Ltd, a carbon black manufacturing facility in Pizhou, Jiangsu Province, China for a purchase price of \$8 million, subject to certain conditions. The purchase price conditions were satisfied in September 2019 and the purchase price was paid in the first quarter of fiscal 2020. The Company has commenced plans to modify this facility to produce specialty carbons and therefore the plant is temporarily mothballed. The modifications are expected to be completed, and production is expected to commence, in 2021. Transition-related costs associated with this acquisition were less than \$1 million and \$1 million for the three and six months ended March 31, 2020, respectively, and \$1 million and \$3 million for the three and six months ended March 31, 2019, respectively.

## Shenzhen Sanshun Nano New Materials Co., Ltd

In April 2020, the Company completed the purchase of Shenzhen Sanshun Nano New Materials Co., Ltd (SUSN), a leading carbon nanotube producer, for approximately \$105 million through cash consideration of \$90 million, of which \$5 million represents contingent consideration to be paid out based on certain milestones over the next two years, and debt assumed of \$15 million. As of March 31, 2020, the Company had \$35 million of cash consideration held in escrow, which was subsequently released to the seller upon completion of the sale in April 2020. This was considered restricted cash as of March 31, 2020 and included in Prepaid expenses and other current assets in the Consolidated Balance Sheet. The transaction will be accounted for as a business combination. Additionally, as of March 31, 2020, the Company had incurred \$1 million in acquisition related cost. The operating results of the business will be included in the Company's Performance Chemicals segment.

#### **Divestitures**

## Sale of Specialty Fluids Business

In June 2019, the Company completed the sale of its Specialty Fluids business, an operating segment of the Company, to Sinomine (Hong Kong) Rare Metals Resource Co. Limited, a wholly owned subsidiary of Sinomine Resource Group Co., Ltd. ("Sinomine"), for total proceeds of \$133 million. The Company recognized a \$20 million impairment charge during the second quarter of fiscal 2019 and a pre-tax loss on the sale of the Specialty Fluids business of \$9 million in fiscal 2019. The sale was subject to customary post-closing adjustments, which were finalized during the second quarter of fiscal 2020 and resulted in an additional pre-tax loss on sale of \$1 million.

## **D.** Employee Benefit Plans

Net periodic defined benefit pension costs include the following:

	Three Months Ended March 31									
		2	020			2019				
				Pension	Benefits					
		U.S.		Foreign	U	.S.	Fo	oreign		
				(In mi	llions)			<u> </u>		
Service cost	\$	1	\$	2	\$	_	\$	2		
Interest cost		1		1		2		1		
Expected return on plan assets		(1)	)	(3)		(3)		(2)		
Net periodic benefit (credit) cost	\$	1	\$	_	\$	(1)	\$	1		

	Six Months Ended March 31										
	2020 2019										
				Pension Ben	efits						
		U.S.		Foreign	U.S.		Foreign				
				(In millior	ıs)						
Service cost	\$	1	\$	3 \$	_	\$	4				
Interest cost		2		2	3		3				
Expected return on plan assets		(2)		(5)	(5)		(6)				
Amortization of actuarial loss		_		1	_		1				
Settlement and curtailment gain		_		_	_		(6)				
Net periodic benefit (credit) cost	\$	1	\$	1 \$	(2)	\$	(4)				

Other postretirement benefit costs were less than \$1 million and \$1 million for the three and six months ended March 31, 2020, respectively. Other postretirement benefit gains were less than \$1 million for both the three and six months ended March 31, 2019.

## U.S. Cash Balance Plan Termination

In fiscal 2019, the Company's Board of Directors approved a resolution to terminate the Company's U.S. pension plan. The Company commenced the U.S. plan termination process during the third quarter of fiscal 2019 and expects to complete the transfer of the U.S. plan's assets to participants by the end of calendar year 2020. The pension liability will be settled through a combination of lump-sum payments and purchased annuities. Upon settlement of the benefit liabilities accrued in the plan, the Company will recognize a loss associated with the release of approximately \$13 million from AOCI in the Consolidated Balance Sheet to Other income (expense) in the Consolidated Statement of Operations.

## Curtailments and Settlements of Employee Benefit Plans

In fiscal 2019, the Company transferred the majority of the defined benefit obligations and pension plan assets in one of its foreign defined benefit plans to a multi-employer plan. This action moved the administrative, asset custodial, asset investment, actuarial, communication and benefit payment obligations to the multi-employer fund administrator. As a result of the transfer, a pre-tax gain of \$6 million was recorded in the first quarter of fiscal 2019, which is included in Other income (expense) in the Consolidated Statement of Operations. In addition, as part of the transfer, the Company recorded a \$3 million charge in the first quarter of fiscal 2019 reflecting the Company's agreement to fund the actuarial loss gap between the terminated plan and the multi-employer plan. This charge is included in Other income (expense) in the Consolidated Statement of Operations.

## E. Goodwill and Intangible Assets

The carrying amount of goodwill attributable to each reportable segment with goodwill balances and the changes in those balances during the six month period ended March 31, 2020 are as follows:

	Reinforcement Materials	t	Performance Chemicals	2	Total
			(In millions)	)	
Balance at September 30, 2019	\$	50	\$	40	\$ 90
Foreign currency impact		(6)		(2)	\$ (8)
Balance at March 31, 2020	\$	44	\$	38	\$ 82

The following table provides information regarding the Company's intangible assets:

	March 31, 2020					September 30, 2019					
Car	rrying				U	Ca	rrying			Intan	gible
					(In mil	lions)					
\$	49	\$	(5)	\$	44	\$	50	\$	(5)	\$	45
	8		(1)		7		8		_		8
	48		(12)		36		57		(14)		43
\$	105	\$	(18)	\$	87	\$	115	\$	(19)	\$	96
	Car	8 48	Gross Carrying Accu Value Amou  \$ 49 \$ 8 48	Carrying Value         Accumulated Amortization           \$ 49         \$ (5)           8         (1)           48         (12)	Gross Carrying Value  Accumulated Amortization  S 49 S (5) S 8 (1) 48 (12)	Gross Carrying Value         Accumulated Amortization         Net Intangible Assets           \$ 49         \$ (5)         \$ 44           8         (1)         7           48         (12)         36	Gross   Accumulated   Intangible   Ca	Gross Carrying Value         Accumulated Amortization         Net Intangible Assets         Gross Carrying Value           (In millions)           \$ 49         \$ (5)         \$ 44         \$ 50           8         (1)         7         8           48         (12)         36         57	Gross Carrying Value         Accumulated Amortization         Net Intangible Assets         Gross Carrying Value         Accumulated Amortization           \$ 49         \$ (5)         \$ 44         \$ 50         \$ 8           \$ 8         (1)         7         8         48         48         (12)         36         57	Gross Carrying Value         Accumulated Amortization         Net Intangible Assets         Gross Carrying Value         Accumulated Amortization           (In millions)           \$ 49         \$ (5)         \$ 44         \$ 50         \$ (5)           8         (1)         7         8         —           48         (12)         36         57         (14)	Gross Carrying Value         Accumulated Amortization         Net Intangible Assets         Gross Carrying Value         Accumulated Amortization         Not Intangible Assets           \$ 49         \$ (5)         \$ 44         \$ 50         \$ (5)         \$ 8           8         (1)         7         8         —         48         (12)         36         57         (14)

<sup>(1)</sup> The decrease in value of Total intangible assets as of March 31, 2020 was primarily driven by the impact of foreign currency translation, which had a total impact of \$7 million.

Intangible assets are amortized over their estimated useful lives, which range between twelve and twenty-five years, with a weighted average amortization period of approximately nineteen years. Amortization expense for both the three months ended March 31, 2020 and 2019 was \$2 million and is included in Cost of sales, Selling and administrative expenses, and Research and technical expenses in the Consolidated Statements of Operations. Amortization expense for both the six months ended March 31, 2020 and 2019 was \$3 million and is included in Cost of sales, Selling and administrative expenses, and Research and technical expenses in the Consolidated Statements of Operations. Total amortization expense is estimated to be approximately \$6 million each year for the next five fiscal years.

## F. Accumulated Other Comprehensive Income (Loss)

Comprehensive income combines net income (loss) and other comprehensive income items, which are reported as components of stockholders' equity in the accompanying Consolidated Balance Sheets.

Changes in each component of AOCI, net of tax, were as follows:

	Currency Translation Adjustment	Unrealized Gains on Investments		Pension and Other Postretirement Benefit Liability Adjustments	Total
			(In mi	llions)	
Balance at September 30, 2019, attributable to Cabot Corporation	\$ (338	8) \$	1	\$ (54)	\$ (391)
Other comprehensive income (loss) before reclassifications	43	3	_	_	43
Amounts reclassified from AOCI	(1	1)	_	1	_
Adoption of accounting standards	(3	3)	(1)	1	(3)
Less: Other comprehensive income (loss) attributable to					
noncontrolling interests	3	3	_	_	3
Balance at December 31, 2019, attributable to Cabot Corporation	\$ (302	2) \$	_	\$ (52)	\$ (354)
Other comprehensive income (loss) before reclassifications	(78	8)	_	_	(78)
Less: Other comprehensive income (loss) attributable to					
noncontrolling interests	(3	3)	_	_	(3)
Balance at March 31, 2020, attributable to Cabot Corporation	(37)	7)	_	(52)	(429)

The amounts reclassified out of AOCI and into the Consolidated Statements of Operations in the three and six months ended March 31, 2020 and 2019 were as follows:

	Affected Line Item in the Consolidated Statements of Operations	Three Months Ended March 31 2020 2019 (In millions)			Six Months En 2020		ded I	March 31 2019	
Derivatives: net investment hedges			(211 21111	,					
(Gains) losses reclassified to interest									
expense	Interest expense	\$	(1)	\$	(2)	\$	(2)	\$	(3)
(Gains) losses excluded from effectiveness testing and amortized to interest expense	Interest expense	\$	1	\$	1	\$	1	\$	1
Pension and other postretirement	-								
Amortization of actuarial losses and prior service cost (credit)	Net Periodic Benefit Cost - see Note D for details		_		(1)		1		_
Settlement and curtailment gain	Net Periodic Benefit Cost - see Note D for details		_				_		(6)
Total before tax					(2)		_		(8)
Tax impact	Provision (benefit) for income taxes				_		_		(3)
Total after tax		\$		\$	(2)	\$	_	\$	(11)

## G. Commitments and Contingencies

#### **Guarantee Agreements**

Cabot has provided certain indemnities pursuant to which it may be required to make payments to an indemnified party in connection with certain transactions and agreements. In connection with certain acquisitions and divestitures, Cabot has provided routine indemnities with respect to such matters as environmental, tax, insurance, product and employee liabilities. In connection with various other agreements, including service and supply agreements with customers, Cabot has provided indemnities for certain contingencies and routine warranties. Cabot is unable to estimate the maximum potential liability for these types of indemnities as a maximum obligation is not explicitly stated in most cases and the amounts, if any, are dependent upon the outcome of future contingent events, the nature and likelihood of which cannot be reasonably estimated. The durations of the indemnities vary, and in many cases are indefinite. Cabot has not recorded any liability for these indemnities in the consolidated financial statements, except as otherwise disclosed.

## **Contingencies**

Cabot is a defendant, or potentially responsible party, in various lawsuits and environmental proceedings wherein substantial amounts are claimed or at issue.

#### **Environmental Matters**

As of March 31, 2020 and September 30, 2019, Cabot had \$9 million and \$13 million, respectively, reserved for environmental matters. These environmental matters mainly relate to former operations. The Company's reserves for environmental matters represent Cabot's best estimates of the probable costs to be incurred at those sites where costs are reasonably estimable based on the Company's analysis of the extent of clean up required, alternative clean-up methods available, abilities of other responsible parties to contribute and its interpretation of laws and regulations applicable to each site.

Cash payments related to these environmental matters were \$5 million and \$1 million in the first six months of fiscal 2020 and fiscal 2019, respectively. Cabot reviews the adequacy of the reserves as circumstances change at individual sites and adjusts the reserves as appropriate. Almost all of Cabot's environmental issues relate to sites that are mature and have been investigated and studied and, in many cases, are subject to agreed upon remediation plans. However, depending on the results of future testing, changes in risk assessment practices, remediation techniques and regulatory requirements, newly discovered conditions, and other factors, it is reasonably possible that the Company could incur additional costs in excess of environmental reserves currently recorded. Management estimates, based on the latest available information, that any such future environmental remediation costs that are reasonably possible to be in excess of amounts already recorded would be immaterial to the Company's consolidated financial statements.

## Respirator Liabilities

Cabot has exposure in connection with a safety respiratory products business that a subsidiary acquired from American Optical Corporation ("AO") in an April 1990 asset purchase transaction. The subsidiary manufactured respirators under the AO brand and disposed of that business in July 1995. In connection with its acquisition of the business, the subsidiary agreed, in certain circumstances, to assume a portion of AO's liabilities, including costs of legal fees together with amounts paid in settlements and judgments, allocable to AO respiratory products used prior to the 1990 purchase by the Cabot subsidiary. In exchange for the subsidiary's assumption of certain of AO's respirator liabilities, AO agreed to provide to the subsidiary the benefits of:
(i) AO's insurance coverage for the period prior to the 1990 acquisition and (ii) a former owner's indemnity of AO holding it harmless from any liability allocable to AO respiratory products used prior to May 1982. As more fully described in the 2019 10-K, the respirator liabilities generally involve claims for personal injury, including asbestosis, silicosis and coal worker's pneumoconiosis, allegedly resulting from the use of respirators that are alleged to have been negligently designed and/or labeled. Neither Cabot, nor its past or present subsidiaries, at any time manufactured asbestos or asbestos-containing products. At no time did this respiratory product line represent a significant portion of the respirator market. In addition to Cabot's subsidiary, other parties are responsible for significant portions of the costs of these respirator liabilities (as defined in the 2019 10-K, the "Payor Group")

On February 28, 2020, Cabot, with certain members of the Payor Group, entered into a settlement agreement resolving a large group of claims, including claims alleging serious injury, brought by coal workers in Kentucky and West Virginia represented by common legal counsel. The Company's share of this liability is \$65 million, which, as of March 31, 2020, was included in Accounts payable and accrued liabilities on the Consolidated Balance Sheets. The Company will pay this liability in two equal installments in Cabot's third quarter of fiscal 2020 and first quarter of fiscal 2021. During the second quarter of fiscal 2020, Cabot recorded a charge of \$50 million for this settlement, which was included in Selling and administrative expenses in the Consolidated Statements of Operations.

In addition to the February 2020 settlement, Cabot has a reserve to cover its expected share of liabilities for existing and future respirator liability claims, which is included in Other liabilities on the Consolidated Balance Sheets. The Company expects these liabilities to be incurred over a number of years. The reserve was \$23 million and \$35 million as of March 31, 2020 and September 30, 2019, respectively. The Company's current estimate of the cost of its share of existing and future respirator liability claims is based on facts and circumstances existing at this time, including the nature of the remaining claims. Because reserves are limited to amounts that are probable and estimable as of a relevant measurement date, and there is inherent difficulty in projecting the impact of potential developments on Cabot's share of liability for these existing and future claims, the actual amount of liabilities related to these claims could be different from Cabot's reserve.

Developments that could affect the Company's estimate include, but are not limited to, (i) significant changes in the number of future claims, (ii) changes in the rate of dismissals without payment of pending claims, (iii) significant changes in the average cost of resolving claims, including potential settlements of groups of claims, (iv) significant changes in the legal costs of defending these claims, (v) changes in the nature of claims received, (vi) trial and appellate outcomes, (vii) changes in the law and procedure applicable to these claims, (viii) the financial viability of the parties that contribute to the settlement of respirator claims, (ix) exhaustion of the insurance coverage maintained by certain of the parties that contribute to the settlement of respirator claims, or a change in the availability of the indemnity provided by a former owner of the business, (x) changes in the allocation of costs among the various parties paying legal and settlement costs, and (xi) a determination that the assumptions that were used to estimate Cabot's share of liability are no longer reasonable.

#### Other Matters

The Company has various other lawsuits, claims and contingent liabilities arising in the ordinary course of its business and with respect to its divested businesses. The Company does not believe that any of these matters will have a material adverse effect on its financial position; however, litigation is inherently unpredictable. Cabot could incur judgments, enter into settlements or revise its expectations regarding the outcome of certain matters, and such developments could have a material impact on its results of operations in the period in which the amounts are accrued or its cash flows in the period in which the amounts are paid.

## H. Leases

The Company determines if an arrangement is a lease at inception. The Company considers a contract to be or to contain a lease if the contract conveys the right to control the use of identified property, plant, or equipment (an identified asset) for a period of time in exchange for consideration.

A lease liability is recorded at commencement for the net present value of future lease payments over the lease term. The discount rate used is generally the Company's estimated incremental borrowing rate based on credit-adjusted and term-specific discount rates, using a third-party yield curve. An ROU asset is recorded and recognized at commencement at the lease liability amount, including initial direct costs incurred, and is reduced for lease incentives received. The Company's lease terms may include options to extend or terminate the lease when it is reasonably certain that the Company will exercise that option.

In the normal course of its business, the Company enters into various leases as the lessee, primarily related to certain transportation vehicles, warehouse facilities, office space, and machinery and equipment. These leases have remaining lease terms between one and fifteen years, some of which may include options to extend the leases for up to fifteen years or options to terminate the leases. The Company's land leases have remaining lease terms up to seventy years.

Some lease arrangements require variable payments that are dependent on usage, output, or index-based adjustments. The Company does not have material variable lease payments.

The Company has elected not to recognize short-term leases on the balance sheet for all underlying asset classes. Short-term leases are leases that, at the commencement date, have a lease term of twelve months or less and do not include a purchase option that the Company is reasonably certain to exercise. Short-term leases are expensed on a straight-line basis over the lease term.

The components of the Company's lease costs were as follows:

	Ended	Months March 31 020	Ended	Months <u>March 31</u> 2020		
		(In millions)				
Operating lease cost	\$	8	\$	14		
Finance lease cost		1		2		
Total lease cost	\$	9	\$	16		

For the three and six months ended March 31, 2020, short-term and variable lease costs together were less than \$1 million and \$1 million, respectively.

Supplemental cash flow information related to the Company's leases was as follows:

	Ended	Months March 31 020		Months Ended March 31 2020
		(In mi	llions)	
Cash paid for amounts included in the measurement of lease liabilities:				
Operating cash flows from operating leases	\$	6	\$	12
Operating cash flows from finance leases		1		1
Financing cash flows from finance leases		1		1
Right-of-use assets obtained in exchange for new operating lease liabilities	\$	3	\$	5
Right-of-use assets obtained in exchange for new finance lease liabilities	\$	3	\$	23

Supplemental balance sheet information related to the Company's leases was as follows:

Description	Description Balance Sheet Classification		ch 31, 2020 millions)
Lease ROU assets:		(111)	illillolis)
Operating	Other assets	\$	98
Finance	Net property, plant and equipment		45
Total lease ROU assets		\$	143
Lease liabilities:			
Current:			
Operating	Accounts payable and accrued liabilities	\$	18
Finance	Current portion of long-term debt		3
Long-term:			
Operating	Other liabilities		86
Finance	Long-term debt		29
Total lease liabilities		\$	136

The following table presents the weighted-average remaining lease term and discount rates for the Company's leases as of March 31, 2020:

Description	March 31, 2020
Weighted-average remaining lease term (years):	
Operating leases	16
Finance leases	13
Weighted-average discount rate:	
Operating leases	2.26%
Finance leases	4.44%

Future minimum lease payments under non-cancelable operating and finance leases as of March 31, 2020 were as follows:

Years Ended September 30	Operating leases		Finance leases
	(In	millions)	
Remainder of fiscal 2020	\$ 12	\$	2
2021	15	•	5
2022	11	-	4
2023	10	)	4
2024	g	)	4
2025 and thereafter	69	)	25
Total lease payments	126	5	44
Less: imputed interest	22	!	12
Total	\$ 104	\$	32

The Company's future minimum lease payments under noncancelable leases as of September 30, 2019 were as follows:

Years Ended September 30	Operating leases	Capital leases		
		ions)		
2020	\$	23	\$	3
2021		14		3
2022		9		3
2023		9		3
2024		8		2
2025 and thereafter		68		7
Total lease payments		131		21
Less: imputed interest		_		9
Total	\$	131	\$	12

## I. Income Tax

## Effective Tax Rate

	Thr	Three Months Ended March 31					Six Months Ended March 3				
	2	2020		2019	20	020		2019			
				(Dollars in	millions)						
(Provision) benefit for income taxes	\$	(10)	\$	(20)	\$	(14)	\$	(13)			
Effective tax rate		81%		41%		22%		11%			

For the three and six months ended March 31, 2020, the (Provision) benefit for income taxes included a net discrete tax benefit of \$1 million and \$11 million, respectively. The \$11 million was comprised of \$5 million related to changes in uncertain tax positions and \$6 million related to the impacts of Switzerland tax reform legislation. For the three and six months ended March 31, 2019, the tax (provision) benefit included a net discrete tax expense of less than \$1 million and a net discrete tax benefit of \$24 million, respectively, of which a nil amount and \$17 million, respectively, comprised the impact of the Act.

## **Uncertainties**

Cabot and certain subsidiaries are under audit in a number of jurisdictions. In addition, certain statutes of limitations are scheduled to expire in the near future. It is reasonably possible that a further change in the unrecognized tax benefits may also occur within the next twelve months related to the settlement of one or more of these audits or the lapse of applicable statutes of limitations. However, an estimated range of the impact on the unrecognized tax benefits cannot be quantified at this time.

Cabot files U.S. federal and state and non-U.S. income tax returns in jurisdictions with varying statutes of limitations. The 2016 through 2019 tax years generally remain subject to examination by the IRS and various tax years from 2005 through 2019 remain subject to examination by the respective state tax authorities. In significant non-U.S. jurisdictions, various tax years from 2003 through 2019 remain subject to examination by their respective tax authorities. As of March 31, 2020, Cabot's significant non-U.S. jurisdictions include Canada, China, France, Germany, Italy, Japan, Switzerland and the Netherlands.

During the three and six months ended March 31, 2020, Cabot released uncertain tax positions of \$2 million and \$8 million, respectively, due to audit settlements and the expiration of statutes of limitations in various jurisdictions. During the three and six months ended months ended March 31, 2019, Cabot released uncertain tax positions of \$1 million and \$8 million, respectively, due to audit settlements and the expiration of statutes of limitations in various jurisdictions.

## J. Earnings Per Share

The following tables summarize the components of the basic and diluted earnings (loss) per common share ("EPS") computations:

Basic EPS: Net income (loss) attributable to Cabot		2019 (In millions		2020			2019	
		(111 111111101115	2020 2019 (In millions, except				2013	
Not income (loss) attributable to Cabot		, , ,						
thet informe (1022) gritingrigate to Canor								
Corporation \$	(1)	\$	23	\$	40	\$	92	
Less: Undistributed earnings allocated to								
participating securities <sup>(1)</sup>	_		_		_			
Earnings (loss) allocated to common	(4)	•	2.0	Φ.	40	Φ.	0.0	
shareholders (numerator)	(1)	\$	23	\$	40	\$	92	
Weighted average common shares and								
1 1 0	57.3		60.0		57.5		60.4	
Less: Participating securities(1)	0.7		0.9		8.0		0.9	
Adjusted weighted average common	-c c		FO 1		FC 7		F0 F	
shares (denominator)	56.6		59.1		56.7	_	59.5	
	2.043	ф	0.00	ф	0.70	ф	4.50	
Earnings (loss) per common share - basic: \$ (0	0.01)	\$	0.39	\$	0.70	\$	1.53	
Diluted EPS:								
Earnings (loss) allocated to common								
shareholders \$	(1)	\$	23	\$	40	\$	92	
Plus: Earnings (loss) allocated to	(+)	Ψ		Ψ	10	Ψ	32	
participating securities	_		_		_		1	
Less: Adjusted earnings allocated to								
participating securities(2)	_		_		_		1	
Earnings (loss) allocated to common								
shareholders (numerator) \$	(1)	\$	23	\$	40	\$	92	
Adjusted weighted average common								
8	56.6		59.1		56.7		59.5	
Effect of dilutive securities:								
Common shares issuable(3)			0.2		0.1		0.2	
Adjusted weighted average common								
shares (denominator)	56.6		59.3		56.8	_	59.7	
Earnings (loss) per common share - diluted: \$ (0	0.01)	\$	0.39	\$	0.70	\$	1.53	

Participating securities consist of shares underlying: (i) achieved but unvested performance-based restricted stock units, and (ii) unvested time-based restricted stock units. The holders of these units are entitled to receive dividend equivalents payable in cash to the extent dividends are paid on the Company's outstanding common stock and equal in value to the dividends that would have been paid in respect of the shares underlying such units.

Undistributed earnings are the earnings which remain after dividends declared during the period are assumed to be distributed to the common and participating shareholders. Undistributed earnings are allocated to common and participating shareholders on the same basis as dividend distributions. The calculation of undistributed earnings is as follows:

	Three	Months E	nded Ma	rch 31	Si	rch 31		
	202	20	20	)19	2020			2019
				(In mi	llions)			
Calculation of undistributed earnings (loss):								
Net income (loss) attributable to Cabot Corporation	\$	(1)	\$	23	\$	40	\$	92
Less: Dividends declared on common stock		20		20		40		40
Undistributed earnings (loss)	\$	(21)	\$	3	\$	_	\$	52
Allocation of undistributed earnings (loss):								
Undistributed earnings (loss) allocated to								
common shareholders	\$	(21)	\$	3	\$	_	\$	52
Undistributed earnings (loss) allocated to								
participating shareholders		_		_				_
Undistributed earnings (loss)	\$	(21)	\$	3	\$		\$	52
Undistributed earnings (loss) allocated to common shareholders Undistributed earnings (loss) allocated to participating shareholders	\$		\$		\$	_ 	\$	_

- (2) Undistributed earnings are adjusted for the assumed distribution of dividends to the dilutive securities, which are described in (3) below, and then reallocated to participating securities.
- (3) Represents incremental shares of common stock from the (i) assumed exercise of stock options issued under Cabot's equity incentive plans; and (ii) assumed issuance of shares to employees pursuant to the Company's Deferred Compensation and Supplemental Retirement Plan. For the six months ended March 31, 2020, 1,113,013 incremental shares of common stock were excluded from the calculation of diluted earnings per share because the inclusion of these shares would have been antidilutive. For the three and six months ended March 31, 2019, 987,896 and 845,582 incremental shares of common stock, respectively, were excluded from the calculation of diluted earnings per share because the inclusion of these shares would have been antidilutive. In addition, for the three months ended March 31, 2020, incremental shares of common stock that were excluded from the calculation of diluted earnings per share because these would have been antidilutive due to the Company's net loss position were 1,858,582 shares, which also includes shares that are considered participating securities as described in (1) above.

## K. Restructuring

Cabot's restructuring activities were recorded in the Consolidated Statements of Operations in the three and six months ended March 31, 2020 and 2019 as follows:

	Thre	ee Months E	March 31		Six Months E	nded I	March 31	
	2	020	2019			2020		2019
				(In mi	illions)			
Cost of sales	\$	4	\$	2	\$	5	\$	5
Selling and administrative expenses		1		_		8		6
Total	\$	5	\$	2	\$	13	\$	11

Details of all restructuring activities and the related reserves during the three and six months ended March 31, 2020 were as follows:

	Severan and Empl Benefit	oyee		onmental ediation	Accelerated Depreciation and Idle Asset Depreciation	C	Other	Total
Dansen at Cantanahan 20, 2010	¢	2	φ	4	(In millions)	φ	¢.	7
Reserve at September 30, 2019	Э	3	\$	4	<b>&gt;</b> —	Э	— <b>»</b>	/
Charges (gain)		7		_	_		1	8
Cash paid		(2)		_	_		(1)	(3)
Reserve at December 31, 2019		8		4				12
Charges (gain)		3		_	1		1	5
Costs charged against assets / (liabilities)		_		_	(1)		_	(1)
Cash paid		(5)		_	_		(1)	(6)
Reserve at March 31, 2020	\$	6	\$	4	\$ —	\$	<u> </u>	10

Cabot's severance and employee benefit reserves and other closure related reserves are reflected in Accounts payable and accrued liabilities on the Company's Consolidated Balance Sheets. Cabot's environmental remediation reserves related to restructuring activities are reflected in Other liabilities on the Company's Consolidated Balance Sheets.

## 2020 Reorganization

During the first six months of fiscal 2020, the Company initiated several actions that it believes will enable the Company to perform certain activities more cost-effectively. These actions primarily consist of the reorganization of Cabot's leadership structure, the creation of a Global Business Services function and other operational efficiency initiatives. As part of the creation of the Global Business Services function, certain business service activities performed at Cabot's North American business service center are being consolidated into the Company's European business service center. During the three and six months ended March 31, 2020, the Company recorded charges of \$5 million and \$12 million, respectively, for these actions, primarily related to severance costs. The Company expects to record additional restructuring charges of approximately \$4 million, primarily related to severance and other employee benefit costs and depreciation on idled assets, in the remainder of fiscal 2020 and thereafter. Cabot paid approximately \$6 million and \$7 million related to these activities in the three and six months ended March 31, 2020, respectively, and expects to pay approximately \$8 million in the remainder of fiscal 2020 and thereafter. As of March 31, 2020, Cabot had \$6 million of accrued severance charges in the Consolidated Balance Sheets related to these actions.

## **Purification Solutions Transformation Plan**

In December 2018, the Company initiated a transformation plan to improve the long-term performance of the Purification Solutions segment. The purpose of the plan is to focus the business's product portfolio, optimize its manufacturing assets, and streamline its organizational structure to support the new focus. The Company expects to record total charges of \$10 million related to this plan, of which approximately \$9 million was recorded in fiscal 2019, comprised of severance, employee benefits and professional service fees. The Company recorded charges of less than \$1 million and \$1 million in the three and six months ended March 31, 2020, respectively. The Company recorded charges of \$1 million and \$9 million in the three and six months ended March 31, 2019, respectively. The Company expects to record nominal charges in the future related to this plan. Cabot paid approximately \$9 million related to these activities through March 31, 2020, \$8 million of which was paid in fiscal 2019, and expects to pay less than \$1 million in the remainder of fiscal 2020. As of March 31, 2020, Cabot had less than \$1 million of accrued severance and other employee benefit charges in the Consolidated Balance Sheets related to these actions.

## L. Financial Instruments and Fair Value Measurements

The FASB authoritative guidance on fair value measurements defines fair value, provides a framework for measuring fair value, and requires certain disclosures about fair value measurements. The required disclosures focus on the inputs used to measure fair value. The guidance establishes the following hierarchy for categorizing these inputs:

- Level 1 Quoted market prices in active markets for identical assets or liabilities
- Level 2 Significant other observable inputs (e.g., quoted prices for similar items in active markets, quoted prices for identical or similar items in markets that are not active, inputs other than quoted prices that are observable such as interest rate and yield curves, and market-corroborated inputs)
- Level 3 Significant unobservable inputs

There were no transfers of financial assets or liabilities measured at fair value between Level 1 and Level 2 and there were no Level 3 investments during the first six months of either fiscal 2020 or 2019.

At March 31, 2020 and September 30, 2019, Cabot had derivatives relating to foreign currency risks, including a net investment hedge and forward foreign currency contracts, carried at fair value. At March 31, 2020, the fair value of these derivatives was a net asset of \$9 million and was included in Prepaid expenses and other current assets, Accounts payable and accrued liabilities, and Other assets on the Consolidated Balance Sheets. At September 30, 2019, the fair value of these derivatives was a net asset of \$1 million and was included in Prepaid expenses and other current assets and Other assets on the Consolidated Balance Sheets. These derivatives are classified as Level 2 instruments within the fair value hierarchy as the fair value determination was based on observable inputs.

At March 31, 2020 and September 30, 2019, the fair value of guaranteed investment contracts, included in Other assets on the Consolidated Balance Sheets, was \$11 million and \$10 million, respectively. Guaranteed investment contracts were classified as Level 2 instruments within the fair value hierarchy as the fair value determination was based on other observable inputs.

At March 31, 2020 and September 30, 2019, the fair values of cash and cash equivalents, accounts and notes receivable, accounts payable and accrued liabilities, and short-term borrowings and variable rate debt approximated their carrying values due to the short-term nature of these instruments. The carrying value and fair value of the long-term fixed rate debt were \$1.17 billion and \$1.29 billion, respectively, as of March 31, 2020, and \$1.03 billion and \$1.10 billion, respectively, as of September 30, 2019. The fair values of Cabot's fixed rate long-term debt are estimated based on comparable quoted market prices at the respective period ends. The carrying amounts of Cabot's floating rate long-term debt and capital lease obligations approximate their fair values. All such measurements are based on observable inputs and are classified as Level 2 within the fair value hierarchy. The valuation technique used is the discounted cash flow model.

#### M. Derivatives

## Foreign Currency Risk Management

Cabot's international operations are subject to certain risks, including currency exchange rate fluctuations and government actions. Cabot endeavors to match the currency in which debt is issued to the currency of the Company's major, stable cash receipts. In some situations, Cabot has issued debt denominated in U.S. dollars and then entered into cross-currency swaps that exchange the dollar principal and interest payments into Euro-denominated principal and interest payments.

Additionally, the Company has foreign currency exposure arising from its net investments in foreign operations. Cabot may enter into cross-currency swaps to mitigate the impact of currency rate changes on the Company's net investments.

The Company also has foreign currency exposure arising from the denomination of monetary assets and liabilities in foreign currencies other than the functional currency of a given subsidiary as well as the risk that currency fluctuations could affect the dollar value of future cash flows generated in foreign currencies. Accordingly, Cabot uses short-term forward contracts to minimize the exposure to foreign currency risk. In certain situations where the Company has forecasted purchases under a long-term commitment or forecasted sales denominated in a foreign currency, Cabot may enter into appropriate financial instruments in accordance with the Company's risk management policy to hedge future cash flow exposures.

The following table provides details of the derivatives held as of March 31, 2020 and September 30, 2019 to manage foreign currency risk.

		Notional		
Description	Borrowing	March 31, 2020	September 30, 2019	<b>Hedge Designation</b>
		USD 250 million	USD 250 million	
Cross-Currency Swaps	3.4% Notes	swapped to EUR 223	swapped to EUR 223	Net investment
		million	million	
Forward Foreign Currency Contracts (1)	N/A	USD 35 million	USD 54 million	No designation

Notional Amount

<sup>(1)</sup> Cabot's forward foreign exchange contracts are denominated in the Canadian dollar, Indonesian rupiah and Czech koruna.

## Accounting for Derivative Instruments and Hedging Activities

The Company determines the fair value of financial instruments using quoted market prices whenever available. When quoted market prices are not available for various types of financial instruments (such as forwards, options and swaps), the Company uses standard models with market-based inputs, which take into account the present value of estimated future cash flows and the ability of Cabot or the financial counterparty to perform. For interest rate and cross-currency swaps, the significant inputs to these models are interest rate curves for discounting future cash flows and are adjusted for credit risk. For forward foreign currency contracts, the significant inputs are interest rate curves for discounting future cash flows, and exchange rate curves of the foreign currency for translating future cash flows.

#### Fair Value Hedge

For derivative instruments that are designated and qualify as fair value hedges, the gain or loss on the derivative as well as the offsetting gain or loss on the hedged item attributable to the hedged risk are recognized in current period earnings.

#### Cash Flow Hedae

For derivative instruments that are designated and qualify as cash flow hedges, the effective portion of the gain or loss on the derivative is recorded in AOCI and reclassified to earnings in the same period or periods during which the hedged transaction affects earnings. Gains and losses on the derivative representing either hedge ineffectiveness or hedge components excluded from the assessment of effectiveness are recognized in current period earnings.

#### Net Investment Hedge

For net investment hedges, changes in the fair value of the effective portion of the derivatives' gains or losses are reported as foreign currency translation gains or losses in AOCI while changes in the ineffective portion are reported in earnings. Effectiveness is assessed using the method based on changes in spot exchange rates. The gains or losses on derivative instruments reported in AOCI are reclassified to earnings in the period in which earnings are affected by the underlying item, such as a disposal or substantial liquidations of the entities being hedged.

The Company has cross-currency swaps with a notional amount of \$250 million, which are designated as hedges of its net investments in certain Euro-denominated subsidiaries. Cash settlements occur semi-annually on March 15th and September 15th for fixed rate interest payments and a cash exchange of the notional currency amount will occur at the end of the term in 2026. As of March 31, 2020, the fair value of these swaps was a net asset of \$9 million and was included in Prepaid expenses and other current assets and Other assets and the cumulative gain of \$12 million was included in AOCI on the Consolidated Balance Sheets. As of September 30, 2019, the fair value of these swaps was a net asset of \$1 million and was included in Prepaid expenses and other current assets and Other assets and the cumulative gain of \$5 million was included in AOCI on the Consolidated Balance Sheets.

The following table summarizes the impact of the cross-currency swaps to AOCI and the Consolidated Statements of Operations:

						Three Months E	nded M	Iarch 31							
	20	20		2019		2020		2019	2020 2019						
Description	Gair	(Gain)/Loss Reclassified from AOCI into E Interest Expense in the Consolidated Gain/(Loss) Recognized in AOCI Statements of Operations								(Gain)/Loss Recognized in Intere Expense in the Consolidated Statem Operations (Amount Excluded fr Effectiveness Testing)					
						(In mil	lions)								
Cross-currency swaps	\$	14	\$	5	\$	(2)	\$	(2)	\$	1	\$	1			
	20	20		2019		Six Months En 2020	ded Ma	2019		2020		2019			
	20	20		2019	(Ga			2019	(Gain)/Loss Recognized in I						
Description	Cair	/(Loss) Rec	ogniza	din AOCI	I	nterest Expense in Statements of			OI	erations (Amo Effectiven					
Description	Gan	(LUSS) REC	ognize	u iii AOCI		(In mil	_	tions		Effectiven	C33 1C3	ungj			
Cross-currency swaps	\$	10	\$	13	\$	(3)	\$	(3)	\$	1	\$	1			
ý I															
					22										

## Other Derivative Instruments

From time to time, the Company may enter into certain derivative instruments that may not be designated as hedges for accounting purposes, which may include cross-currency swaps, foreign currency forward contracts and commodity derivatives. For cross-currency swaps and foreign currency forward contracts not designated as hedges, the Company uses standard models with market-based inputs. The significant inputs to these models are interest rate curves for discounting future cash flows, and exchange rate curves of the foreign currency for translating future cash flows. In determining the fair value of the commodity derivatives, the significant inputs to valuation models are quoted market prices of similar instruments in active markets. Although these derivatives do not qualify for hedge accounting, Cabot believes that such instruments are closely correlated with the underlying exposure, thus managing the associated risk. The gains or losses from changes in the fair value of derivative instruments that are not accounted for as hedges are recognized in current period earnings.

At both March 31, 2020 and September 30, 2019, the fair value of derivative instruments not designated as hedges were nominal, and these instruments were presented in Prepaid expenses and other current assets and Accounts payable and accrued liabilities on the Consolidated Balance Sheets.

## N. Financial Information by Segment

The Company identifies a business as an operating segment if: (i) it engages in business activities from which it may earn revenues and incur expenses; (ii) its operating results are regularly reviewed by the Chief Operating Decision Maker ("CODM"), who is Cabot's President and Chief Executive Officer, to make decisions about resources to be allocated to the segment and assess its performance; and (iii) it has available discrete financial information. The Company has determined that all of its businesses are operating segments. The CODM reviews financial information at the operating segment level to allocate resources and to assess the operating results and financial performance for each operating segment. Operating segments are aggregated into a reportable segment if the operating segments are determined to have similar economic characteristics and if the operating segments are similar in the following areas: (i) nature of products and services; (ii) nature of products or provide services; (iii) type or class of customer for their products and services; (iv) methods used to distribute the products or provide services; and (v) if applicable, the nature of the regulatory environment.

The Company has three reportable segments: Reinforcement Materials, Performance Chemicals and Purification Solutions. The Company's former Specialty Fluids business was a separate reporting segment prior to divestiture in the third quarter of fiscal 2019.

The Reinforcement Materials segment consists of the rubber blacks and elastomer composites product lines.

The Performance Chemicals segment combines the specialty carbons, fumed metal oxides and aerogel product lines into the Performance Additives business, and combines the specialty compounds and inkjet colorants product lines into the Formulated Solutions business. These businesses are similar in terms of economic characteristics, nature of products, processes, customer class and product distribution methods, and, therefore, have been aggregated into one reportable segment. The net sales from each of these businesses for the three and six months ended March 31, 2020 and 2019 were as follows:

	Three	e Months E	Ended	March 31		Six Months Ended March 31					
	202	2020 2019				2020		2019			
	(In millions)										
Performance Additives	\$	168	\$	179	\$	338	\$	346			
Formulated Solutions		77		75		149		139			
Total Performance Chemicals	\$	245	\$	254	\$	487	\$	485			

The Purification Solutions segment consists of the Company's activated carbon business.

Income (loss) before income taxes ("Segment EBIT") is presented for each reportable segment in the table below. Segment EBIT excludes Interest expense, general unallocated income (expense), unallocated corporate costs, and certain items, meaning items management does not consider representative of on-going operating segment results. In addition, Segment EBIT includes Equity in earnings of affiliated companies, net of tax, the full operating results of a contractual joint venture in Purification Solutions, royalties, Net income attributable to noncontrolling interests, net of tax, and discounting charges for certain Notes receivable.

Financial information by reportable segment is as follows:

	rcement Performance erials Chemicals		Purification Specialty Solutions Fluids(1)		Segment Total		Unallocated and Other(2)		Consolidated Total				
						(In	millions)						
Three Months Ended March 31, 2020													
Revenues from external customers(3)	\$ 355	\$	245	\$	64	\$	_	\$	664	\$	46	\$	710
Income (loss) before income taxes(4)	\$ 61	\$	31	\$	3	\$	_	\$	95	\$	(83)	\$	12
Three Months Ended March 31, 2019													
Revenues from external customers(3)	\$ 445	\$	254	\$	72	\$	24	\$	795	\$	49	\$	844
Income (loss) before income taxes <sup>(4)</sup>	\$ 61	\$	38	\$	1	\$	12	\$	112	\$	(63)	\$	49
Six Months Ended March 31, 2020													
Revenues from external customers(2)	\$ 734	\$	487	\$	123	\$	_	\$	1,344	\$	93	\$	1,437
Income (loss) before income taxes(3)	\$ 108	\$	72	\$	1	\$	_	\$	181	\$	(119)	\$	62
Six Months Ended March 31, 2019													
Revenues from external customers(2)	\$ 902	\$	485	\$	137	\$	43	\$	1,567	\$	98	\$	1,665
Income (loss) before income taxes(3)	\$ 123	\$	74	\$	(2)	\$	22	\$	217	\$	(98)	\$	119

Cabot divested its Specialty Fluids business during the third quarter of fiscal 2019. The agreement to divest this business did not meet the criteria for reporting this business as a discontinued operation, and therefore, the prior period's financial statements and disclosures have not been recast. For more detail on the sale of the Specialty Fluids business, please refer to the 2019 10-K and Note C above.

(3) Consolidated Total Revenues from external customers reconciles to Net sales and other operating revenues on the Consolidated Statements of Operations. Revenues from external customers that are categorized as Unallocated and Other reflects royalties, external shipping and handling fees, the impact of unearned revenue, the removal of 100% of the sales of an equity method affiliate, discounting charges for certain Notes receivable, and by-product revenue. Details are provided in the table below:

	Three Months Ended March 31					Six Months Ended Mar			
		2020		2019	9 202			2019	
				(In mi	llions)				
Royalties, the impact of unearned revenue, the									
removal of 100% of the sales of an equity method									
affiliate and discounting charges for certain notes									
receivable	\$	(1)	\$	(3)	\$	(2)	\$	(6)	
Shipping and handling fees		30		32		61		64	
By-product sales		17		20		34		40	
Total	\$	46	\$	49	\$	93	\$	98	
			_						

Unallocated and Other includes certain items and eliminations necessary to reflect management's reporting of operating segment results. These items are reflective of the segment reporting presented to the CODM.

(4) Consolidated Total Income (loss) before income taxes reconciles to Income (loss) before income taxes and equity in earnings of affiliated companies on the Consolidated Statements of Operations. Income (loss) before income taxes that are categorized as Unallocated and Other includes:

		Ended March 31	Six Months En	
	2020	2019	2020 illions)	2019
Interest expense	\$ (14)			\$ (29)
Certain items(a)				
Legal and environmental matters and reserves	(51)	(1)	(50)	(1)
Global restructuring activities (Note K)	(5)	(2)	(13)	(11)
Employee benefit plan settlements	(1)	_	(3)	3
Acquisition and integration-related charges	(1)	(1)	(2)	(4)
Specialty Fluids loss on sale and asset impairment charges	(1)	(20)	(1)	(20)
Indirect tax settlement credits	3	_	3	_
Equity affiliate investment impairment charge	_	(11)	_	(11)
Other	_	(2)	(1)	(3)
Total certain items, pre-tax	(56)	(37)	(67)	(47)
Unallocated corporate costs(b)	(12)	(13)	(22)	(25)
General unallocated income (expense)(c)	_	1	(1)	3
Less: Equity in earnings of affiliated companies, net				
of tax(d)	1	_	1	_
Total	\$ (83)	\$ (63)	\$ (119)	\$ (98)

- (a) Certain items are items of expense and income that management does not consider representative of the Company's fundamental on-going segment results and they are, therefore, excluded from Segment EBIT.
- (b) Unallocated corporate costs are costs that are not controlled by the segments and primarily benefit corporate interests.
- (c) General unallocated income (expense) consists of gains (losses) arising from foreign currency transactions, net of other foreign currency risk management activities, Interest and dividend income, the profit or loss related to the corporate adjustment for unearned revenue, the impact of including the full operating results of a contractual joint venture in Purification Solutions Segment EBIT and unrealized holding gains (losses) for equity securities.
- (d) Equity in earnings of affiliated companies, net of tax, is included in Segment EBIT and is removed in Unallocated and other to reconcile to Income (loss) from operations before income taxes and equity in earnings from affiliated companies.

The Company's segments operate globally. In addition to presenting Revenue from external customers by reportable segment, the following tables further disaggregate Revenues from external customers by geographic region.

	Three Months Ended March 31, 2020											
	Reinforcement Materials			Performance Chemicals		rification Solutions	Conso	lidated Total				
				(In mi								
Americas	\$	154	\$	76	\$	29	\$	259				
Asia Pacific		122		79		9		210				
Europe, Middle East and Africa		79		90		26		195				
Segment revenues from external customers	· · · · · · · · · · · · · · · · · · ·	355		245		64		664				
Unallocated and other								46				
Net sales and other operating revenues							\$	710				

	I nree Months Ended March 31, 2019											
	Reinforcement Materials		Performance Chemicals		Purification Solutions		ı Specialty Fluids		Coi	nsolidated Total		
					(In millior	ıs)						
Americas	\$ 16	9	\$	81	\$	31	\$	2	\$	283		
Asia Pacific	18	0		75		7		_		262		
Europe, Middle East and Africa	9	6		98		34		22		250		
Segment revenues from external customers	44	5		254		72		24		795		
Unallocated and other										49		
Net sales and other operating revenues									\$	844		

	Six Months Ended March 31, 2020									
		Reinforcement Materials		formance hemicals	Purification Solutions		C	onsolidated Total		
				(In m						
Americas	\$	295	\$	152	\$	55	\$	502		
Asia Pacific		292		173		18		483		
Europe, Middle East and Africa		147		162		50		359		
Segment revenues from external customers		734		487		123		1,344		
Unallocated and other								93		
Net sales and other operating revenues							\$	1,437		

			Six Mo	nths Ended March	31, 2	019		
	Reinforcement Materials		erformance Chemicals	Purification Solutions	Specialty Fluids		Co	onsolidated Total
				(In millions)				
Americas	\$ 336	\$	153	\$ 60	\$	4	\$	553
Asia Pacific	382		160	16		1		559
Europe, Middle East and Africa	184		172	61		38		455
Segment revenues from external customers	902		485	137		43		1,567
Unallocated and other								98
Net sales and other operating revenues							\$	1,665

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

## **Critical Accounting Policies**

Our consolidated financial statements have been prepared in conformity with accounting policies generally accepted in the United States ("GAAP"). The preparation of our financial statements requires management to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues, and expenses and related disclosure of contingent assets and liabilities. We consider an accounting estimate to be critical to the financial statements if (i) the estimate is complex in nature or requires a high degree of judgment and (ii) different estimates and assumptions were used, the results could have a material impact on the consolidated financial statements. On an ongoing basis, we evaluate our estimates and the application of our policies. We base our estimates on historical experience, current conditions and on various other assumptions that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates. Our critical accounting policies have not substantially changed from those described in the 2019 10-K.

## **Recently Issued Accounting Pronouncements**

Refer to the discussion under the headings "Recently Adopted Accounting Standards" and "Recent Accounting Pronouncements" in Note B of our Notes to the Consolidated Financial Statements.

#### **Results of Operations**

Cabot was organized into four reportable business segments through June 28, 2019: Reinforcement Materials, Performance Chemicals, Purification Solutions and Specialty Fluids. The Specialty Fluids business was divested as of June 28, 2019 and since that time Cabot has been organized into the three remaining reportable business segments. Cabot is also organized for operational purposes into three geographic regions: the Americas; Europe, Middle East and Africa; and Asia Pacific. The discussions of our results of operations for the periods presented reflect these structures.

Our analysis of our financial condition and operating results should be read with our consolidated financial statements and accompanying notes.

## Definition of Terms and Non-GAAP Financial Measures

When discussing our results of operations, we use several terms as described below.

The term "product mix" refers to the mix of types and grades of products sold or the mix of geographic regions where products are sold, and the positive or negative impact this has on the revenue or profitability of the business and/or segment.

Our discussion under the heading "(Provision) Benefit for Income Taxes and Reconciliation of Effective Tax Rate to Operating Tax Rate" includes a discussion of our historical and expected "effective tax rate" and our "operating tax rate" and includes a reconciliation of the two rates. Our operating tax rate is a non-GAAP financial measure and should not be considered as an alternative to our effective tax rate, the most comparable GAAP financial measure. In calculating our operating tax rate, we exclude discrete tax items, which include: (i) unusual or infrequent items, such as a significant release or establishment of a valuation allowance, (ii) items related to uncertain tax positions, such as the tax impact of audit settlements, interest on tax reserves, and the release of tax reserves from the expiration of statutes of limitations, and (iii) other discrete tax items, such as the tax impact of legislative changes and, on a quarterly basis, the timing of losses in certain jurisdictions and the cumulative rate adjustment, if applicable. We also exclude the tax impact of certain items, as defined below in the discussion of Total segment EBIT, on both operating income and the tax provision. When the tax impact of a certain item is also a discrete tax item, it is classified as a certain item for our definition of operating tax rate. Our definition of the operating tax rate may not be comparable to the definition used by other companies. Management believes that this non-GAAP financial measure is useful supplemental information because it helps our investors compare our tax rate year to year on a consistent basis and to understand what our tax rate on current operations would be without the impact of these items.

Our discussion under the heading "Second Quarter and First Six Months of Fiscal 2020 versus Second Quarter and First Six Months of Fiscal 2019—By Business Segment" includes a discussion of Total segment EBIT, which is a non-GAAP financial measure defined as Income (loss) before income taxes and equity in earnings from affiliated companies less certain items and other unallocated items. Our Chief Operating Decision Maker, who is our President and Chief Executive Officer, uses segment EBIT to evaluate the operating results of each segment and to allocate resources to the segments. We believe Total segment EBIT, which reflects the sum of EBIT from our reportable segments, provides useful supplemental information for our investors as it is an important indicator of our operational strength and performance, allows investors to see our results through the eyes of management, and provides context for our discussion of individual business segment performance. Total segment EBIT should not be considered an alternative for Income (loss) before income taxes and equity in earnings of affiliated companies, which is the most directly comparable GAAP financial measure. A reconciliation of Total segment EBIT to Income (loss) before income taxes and equity in earnings of affiliated companies is provided under the heading "Second Quarter of Fiscal 2020 versus Second Quarter of Fiscal 2019—By Business Segment". Investors should consider the limitations associated with this non-GAAP measure, including the potential lack of comparability of this measure from one company to another.

In calculating Total segment EBIT, we exclude from our Income (loss) before income taxes and equity in earnings of affiliated companies (i) items of expense and income that management does not consider representative of our fundamental on-going segment results, which we refer to as "certain items", and (ii) items that, because they are not controlled by the business segments and primarily benefit corporate objectives, are not allocated to our business segments, such as interest expense and other corporate costs, which include unallocated corporate overhead expenses such as certain corporate salaries and headquarter expenses, plus costs related to special projects and initiatives, which we refer to as "other unallocated items". Management believes excluding the items identified as certain items facilitates operating performance comparisons from period to period by eliminating differences caused by the existence and timing of certain expense and income items that would not otherwise be apparent on a GAAP basis and also facilitates an evaluation of our operating performance without the impact of these costs or benefits. The items of income and expense that we exclude from Total segment EBIT but that are included in our GAAP Income (loss) before income taxes and equity in earnings of affiliated companies, as applicable in a particular reporting period, include, but are not limited to, the following:

- Asset impairment charges, which primarily include charges associated with an impairment of goodwill or other long-lived assets.
- Inventory reserve adjustment, which resulted from an evaluation performed as part of an impairment analysis.
- Global restructuring activities, which include costs or benefits associated with cost reduction initiatives or plant closures and are primarily related to (i) employee termination costs, (ii) asset impairment charges associated with restructuring actions, (iii) costs to close facilities, including environmental costs and contract termination penalties and (iv) gains realized on the sale of land or equipment associated with restructured plants or locations.
- Indirect tax settlement credits, which includes favorable settlements resulting in the recoveries of indirect taxes.
- Acquisition and integration-related charges, which include transaction costs, redundant costs incurred during the period of integration, and
  costs associated with transitioning certain management and business processes to our processes.
- Legal and environmental matters and reserves, which consist of costs or benefits for matters typically related to former businesses or that are
  otherwise incurred outside of the ordinary course of business.
- Gains (losses) on sale of investments, which primarily relate to the sale of investments accounted for using the cost method.
- Gains (losses) on sale of businesses.
- Non-recurring gains (losses) on foreign exchange, which primarily relate to the impact of controlled currency devaluations on our net monetary assets denominated in that currency.
- Executive transition costs, which include incremental charges, including stock compensation charges, associated with the retirement or termination of employment of senior executives of the Company.
- Employee benefit plan settlements, which consist of either charges or benefits associated with the termination of a pension plan or the transfer of a pension plan to a multi-employer plan.

## Overview

During the second quarter of fiscal 2020, Income (loss) before income taxes and equity in earnings of affiliated companies decreased compared to the second quarter of fiscal 2019. The decrease primarily reflects the decrease in Total Segment EBIT of \$17 million and a \$50 million charge related to a legal settlement recorded during the second quarter of fiscal 2020. Total Segment EBIT in the second quarter of fiscal 2019 included \$12 million related to our Specialty Fluids business, which we divested in the third

quarter of fiscal 2019. Excluding the impact from the divestiture of our Specialty Fluids business, Total Segment EBIT decreased \$5 million driven by lower volumes in Reinforcement Materials and lower margins in Performance Chemicals, partially offset by higher margins due to pricing and mix benefits in both our tire and industrial products product lines.

## **COVID-19 Impact and Outlook**

In December 2019, a novel coronavirus disease ("COVID-19") was first reported and in January 2020, the World Health Organization ("WHO") declared it a Public Health Emergency of International Concern. On March 11, 2020, the WHO characterized COVID-19 as a global pandemic, due to the continued increase in the number of cases and affected countries. In an effort to contain COVID-19 or slow its spread, governments around the world have enacted various measures, including orders to close all businesses not deemed "essential," isolate residents in their places of residence, and practice social distancing when engaging in essential activities. The coronavirus pandemic and the associated containment efforts have had a serious adverse impact on the economy, the severity and duration of which are uncertain. Government stabilization efforts will only partially mitigate the consequences.

The coronavirus pandemic is adversely affecting and is expected to continue to adversely affect, our business, results of operations and cash flows. While most of our facilities remain open given the "essential" status of many of our end-markets, such as infrastructure, agriculture and pharmaceutical production, we are operating at low production and utilization rates due to declined demand from the halt of customer operations within the tire and automotive sectors. Beginning during our second fiscal quarter, as the virus spread in China, we experienced volume declines principally in our Reinforcement Materials segment as operations at many of our customers' plants in China were completely or partially curtailed and a more competitive pricing environment in our fumed metal oxides product line. As COVID-19 began to further spread around the globe, on the recommendation or mandate of public health officials, a number of our key customers, notably most automotive and tire manufacturers in the Americas and Europe, temporarily closed their manufacturing operations beginning in March 2020. As a result, we have experienced and expect to continue to experience further reductions in demand for certain of our products, particularly in our Reinforcement Materials segment. In response to this reduced demand for our products, we have operated at significantly lower manufacturing levels at many of our plants. Also, in order to comply with government mandates to cease operations in Argentina and Malaysia, we temporarily suspended operations or idled production lines at our facilities in those countries. This decline in demand is expected to have an adverse effect on our results of operations and cash flows. Although we are beginning to see some of our customers in the tire and automotive sector resume operations, we are unable to predict with certainty the speed and shape of a recovery to more normal customer demand levels for our products or more normal manufacturing operating levels at our facilities.

In addition, the coronavirus pandemic could materially affect our ability to adequately staff and maintain our operations in the future, particularly as government authorities impose mandatory closures, work-from-home orders and social distancing protocols, and seek voluntary facility closures and impose other restrictions to mitigate the further spread of the virus. We continue to supply our customers around the globe, however, because we are reducing inventory to respond to this unusually low customer demand environment, a prolonged duration of this interruption in our manufacturing operations could impact our ability to meet customer demand in the future. In addition, the sudden, steep decline in oil prices in April 2020 will adversely affect margins and profitability most significantly in our Reinforcement Materials segment in the near term. Lower oil prices will also reduce revenues from our energy center operations.

We have taken, and will continue to take, actions to mitigate the impact of the coronavirus and the decline in oil prices on our cash flow and results of operations and financial condition. Through the curtailments we have implemented at our manufacturing operations, we are managing inventory levels, and reducing our manufacturing costs. We have reduced discretionary spending. Our net working capital is being reduced with lower raw material costs and reductions in our accounts receivable and inventories. In addition, we have reduced our expectations for capital expenditures in fiscal 2020 to approximately \$200 million and have temporarily halted our share repurchases. There can be no assurance that our mitigation actions will be adequate to offset the impact from the decline in demand for our products that we are anticipating in the near term.

We expect COVID-19 to continue to have an adverse impact on our revenue as well as our overall profitability and may lead to an increase in inventory reserves, allowances for doubtful accounts, and valuation allowances on certain of our deferred tax assets. Additionally, if the business impacts of COVID-19 carry on for an extended period, it could cause us to recognize impairments for certain long-lived assets including goodwill, intangible assets or property, plant and equipment.

## Second Quarter of Fiscal 2020 versus Second Quarter of Fiscal 2019—Consolidated

Net Sales and Other Operating Revenues and Gross Profit

	T	hree Months I	March 31		Six Months Er	nded 1	March 31	
		2020		2019 2020				2019
				(In m	illions	3)		
Net sales and other operating revenues	\$	710	\$	844	\$	1,437	\$	1,665
Gross profit	\$	153	\$	178	\$	294	\$	344

Net sales in the second quarter of fiscal 2020 decreased by \$134 million compared to the second quarter of fiscal 2019. The second quarter of fiscal 2019 included \$24 million of revenue for our Specialty Fluids business. The remaining \$110 million decline in net sales was primarily driven by lower volumes (\$63 million), a less favorable price and product mix (combined \$35 million), and the unfavorable impact from foreign currency translation (\$10 million). The lower volumes were driven by lower volumes in our Reinforcement Materials segment due to weaker demand related to declines in automotive and tire production resulting from the impact of the recent coronavirus disease ("COVID-19"). The less favorable price and product mix was due to lower prices from lower feedstock costs that are passed through to our customers in the Reinforcement Materials segment and unfavorable product mix in the Performance Chemicals segment due to the weaker product mix in the fumed metal oxides product line in China and Europe.

Net sales in the first six months of fiscal 2020 declined by \$228 million compared to the first six months of fiscal 2019. The first six months of fiscal 2019 included \$43 million of revenue for our Specialty Fluids business. The remaining \$185 million decline in net sales was primarily driven by a less favorable price and product mix (combined \$101 million), lower volumes primarily in Reinforcement Materials and Purification Solutions (\$59 million), and the unfavorable impact from foreign currency translation (\$20 million). The less favorable price and product mix was due to lower sales in Reinforcement Materials due to the pass through of lower feedstock costs and a weaker product mix in the Performance Chemicals segment due to the weaker product mix in the fumed metal oxides product line in China and Europe. The lower volumes were driven by lower volumes in the Reinforcement Materials segment due to weak automotive and tire production and the impact of COVID-19 on demand. The lower volumes in the Purification Solutions segment was due to lower sales in mercury removal and other industrial gas and air applications.

Gross profit decreased by \$25 million in the second quarter of fiscal 2020 compared to the second quarter of fiscal 2019. Excluding the impact of the divestiture of our Specialty Fluids business, the gross profit decline was primarily due to lower volumes from Reinforcement Materials due to declining demand from weaker automotive and tire production related to the impacts of COVID-19 on demand. Gross profit decreased by \$50 million in the first six months of fiscal 2020 compared to the first six months of fiscal 2019. Excluding the impact of the divestiture of our Specialty Fluids business, the gross profit decline was primarily due to lower volumes in Reinforcement Materials and Purification Solutions and lower unit margins in the Performance Chemicals segment.

Selling and Administrative Expenses

	T	Three Months Ended March 31				Six Months En	Ended March 31		
		2020		2019		2020		2019	
				(In mi	llions)				
Selling and administrative expenses	\$	114	\$	70	\$	178	\$	143	

Selling and administrative expenses increased by \$44 million and \$35 million in the second quarter and first six months of fiscal 2020 compared to the same periods of fiscal 2019, primarily due to the \$50 million charge related to a legal settlement recorded during the second quarter of fiscal 2020. This increase was partially offset by a decrease in the accrual for incentive compensation and other cost reduction activities in the current fiscal year.

	Thre	Three Months Ended March 31				ix Months En	Ended March 31		
	20	20		2019		2020	2019		
	<u></u>			(In mi	llions)				
Research and technical expenses	\$	14	\$	15	\$	28	\$	3	1

Research and technical expenses decreased by \$1 million and \$3 million in the second quarter and the first six months of fiscal 2020 compared to the same periods of fiscal 2019, due to cost reduction activities in the current fiscal year.

Interest and Dividend Income, Interest Expense and Other Income (Expense)

	Th:	Three Months Ended March 31				Six Months Ended March 31			
		2020 2019				2020		2019	
				(In mi	llions)				
Interest and dividend income	\$	3	\$	2	\$	6	\$	4	
Interest expense	\$	(14)	\$	(14)	\$	(28)	\$	(29)	
Other income (expense)	\$	(1)	\$	(12)	\$	(3)	\$	(6)	

Interest and dividend income increased \$1 million and \$2 million in the second quarter of fiscal 2020 and for the six months ended March 31, 2020, respectively, as compared to the same periods of fiscal 2019 primarily due to interest earned on higher average cash balances.

Interest expense remained consistent in the second quarter of fiscal 2020 compared to the same period of fiscal 2019. For the six months ended March 31, 2020, interest expense decreased \$1 million primarily due to lower interest rates.

Other income (expense) changed by \$11 million in the second quarter of fiscal 2020 compared to the second quarter of fiscal 2019, primarily due to the impairment of our equity affiliate in Venezuela in the second quarter of fiscal 2019 that did not reoccur. For the six months ended March 31, 2020, Other income (expense) changed by \$3 million compared to the same period of fiscal 2019. The change was primarily due to the impairment of our equity affiliate in Venezuela partially offset by pension benefits both of which were in the first six months of fiscal 2019 and did not reoccur.

(Provision) Benefit for Income Taxes and Reconciliation of Effective Tax Rate to Operating Tax Rate

	Three Months Ended March 31					Six Months Ended	d March 31
	2020			2019		2020	2019
				(Dollars in	millio	ns)	
(Provision) benefit for income taxes	\$	(10)	\$	(20)	\$	(14)	\$ (13)
Effective tax rate		81%		41%		22%	11%
Impact of discrete tax items(1):							
Unusual or infrequent items		—%		(1)%		9%	17%
Items related to uncertain tax positions		12%		1%		9%	3%
Other discrete tax items		3%		(1)%		4%	—%
Impact of certain items		(67)%		(16)%		(15)%	(7)%
Operating tax rate		29%		24%		29%	24%

- (1) For the three and six months ended March 31, 2020, the impact of discrete tax items included a net discrete tax benefit of \$3 million and \$13 million, respectively. For the three and six months ended March 31, 2019, the impact of discrete tax items included a net discrete tax expense of less than \$1 million and a net discrete tax benefit of \$24 million, respectively. The nature of the discrete tax items for the periods ended March 31, 2020 and 2019 were as follows:
  - (a) Unusual or infrequent items during the three and six months ended March 31, 2020 consisted of the net tax impact of Switzerland tax reform legislation (net tax benefit of a nil amount and \$6 million). Unusual or infrequent items during the three and six months ended March 31, 2019 consisted of the net tax impacts of the Tax Cuts and Jobs Act of 2017 (the "Act") (net tax benefit of nil and \$17 million), excludible foreign exchange gains and losses in certain jurisdictions, impacts related to stock compensation deductions, and the tax impacts of a pension settlement;
  - (b) Items related to uncertain tax positions during the three and six months ended March 31, 2020 and 2019 included net tax impacts from the reversal of accruals for uncertain tax positions due to the expiration of statutes of limitations, and the accrual of interest on uncertain tax positions, the accrual of an uncertain tax position (fiscal 2020 only), and the settlement of tax audits;

(c) Other discrete tax items during the three and six months ended March 31, 2020 and 2019 included net tax impacts as a result of changes in non-US tax laws, return to provision adjustments related to tax return filing, and other items.

For fiscal year 2020, the Operating tax rate is expected to be in the range of 29% to 30%. Cabot is not providing a forward-looking reconciliation of the operating tax rate range with an effective tax rate range because, without unreasonable effort, we are unable to predict with reasonable certainty the matters we would allocate to "certain items," including unusual gains and losses, costs associated with future restructurings, acquisition-related expenses and litigation outcomes. These items are uncertain, depend on various factors, and could have a material impact on the effective tax rate in future periods.

We file U.S. federal and state and non-U.S. income tax returns in jurisdictions with varying statutes of limitations. We are under audit in a number of jurisdictions. It is possible that some of these audits will be resolved in fiscal 2020 and could impact our anticipated effective tax rate. We have filed our tax returns in accordance with the tax laws, in all material respects, in each jurisdiction and maintain tax reserves for uncertain tax positions.

Equity in Earnings of Affiliated Companies and Net Income (Loss) Attributable to Noncontrolling Interests

	Three Months Ended March 31			1 March 31	Six Months Ei	March 31		
		2020		2019	2020		2019	
				(In millions	s)			
Equity in earnings of affiliated companies, net of tax	\$	1	\$	— \$	1	\$	_	
Net income (loss) attributable to								
noncontrolling interests, net of tax	\$	4	\$	6 \$	9	\$	14	

Equity in earnings of affiliated companies, net of tax, increased \$1 million in both the second quarter and the first six months of fiscal 2020 compared to the same period of fiscal 2019. The \$1 million of income in 2020 relates to income from our affiliates in India and Mexico. In fiscal 2019, this income was consistent with fiscal 2020, but also included losses from our equity affiliate in Venezuela, which has since been impaired.

Net income (loss) attributable to noncontrolling interests, net of tax, decreased by \$2 million in the second quarter of fiscal 2020 and \$5 million in the first six months of fiscal 2020 compared to the same periods of fiscal 2019, primarily due to the lower profitability from our joint ventures in China and Czech Republic.

## Net Income Attributable to Cabot Corporation

In the second quarter and first six months of fiscal 2020, we reported net income (loss) attributable to Cabot Corporation of \$(1) million and \$40 million or \$(0.01) and \$0.70 per diluted common share, respectively. This compares to net income (loss) attributable to Cabot Corporation of \$23 million and \$92 million, or \$0.39 and \$1.53 per diluted common share, respectively, in the second quarter and first six months of fiscal 2019. The net loss in the second quarter of fiscal 2020 and lower net income in the first six months of fiscal 2020 is primarily due to the \$50 million charge related to a legal settlement recorded during the quarter and lower Segment EBIT due to the impact of COVID-19 on demand. The net income (loss) attributable to Cabot Corporation for the second quarter and first six months of fiscal 2019 includes impairment charges associated with our divested Specialty Fluids business and Venezuelan equity affiliate both of which did not recur in fiscal 2020.

## Second Quarter of Fiscal 2020 versus Second Quarter of Fiscal 2019—By Business Segment

Income (loss) before income taxes and equity in earnings of affiliated companies, certain items, other unallocated items, and Total segment EBIT for the three and six months ended March 31, 2020 and 2019 are set forth in the table below. The details of certain items and other unallocated items are shown below and in Note N of our Notes to the Consolidated Financial Statements.

	Three Months Ended March 31					March 31		
	2020			2019		2020		2019
				(In mi	lions)			
Income (loss) before income taxes and equity in								
earnings of affiliated companies	\$	12	\$	49	\$	62	\$	119
Less: Certain items		(56)		(37)		(67)		(47)
Less: Other unallocated items		(27)		(26)		(52)		(51)
Total segment EBIT	\$	95	\$	112	\$	181	\$	217

In the second quarter of fiscal 2020, Income (loss) before income taxes and equity in earnings of affiliated companies decreased by \$37 million and Total segment EBIT decreased by \$17 million. Included in the second quarter of fiscal 2019 is \$12 million of EBIT related to our Specialty Fluids business, which we divested in the third quarter of fiscal 2019. Excluding the Specialty Fluids impact, Total Segment EBIT decreased \$5 million. The decrease in Income (loss) before income taxes and equity in earnings of affiliated companies was driven by a \$50 million charge related to a legal settlement entered into during the second quarter of fiscal 2020. The decrease in Total segment EBIT is driven by lower volumes in Reinforcement Materials and Purification Solutions, partially offset by higher margins in Reinforcement Materials. Lower volumes in Reinforcement Materials (\$22 million) were primarily due to weaker automotive and tire demand related to the impacts from COVID-19. Lower volumes in Purification Solutions (\$6 million) were due to weaker demand in mercury removal applications. Higher margins in Reinforcement Materials (\$22 million) were primarily due to pricing gains in the calendar year 2020 customer agreements.

In the first six months of fiscal 2020, Income (loss) before income taxes and equity in earnings of affiliated companies decreased \$57 million and total Segment EBIT decreased by \$36 million. Included in the first six months of fiscal 2019 is \$22 million of EBIT related to our Specialty Fluids business, which we divested in the third quarter of fiscal 2019. Excluding the Specialty Fluids impact, Total segment EBIT decreased \$14 million. The decrease in Income (loss) before income taxes and equity earnings of affiliated companies was driven by a \$50 million charge related to a legal settlement entered into during the first six months of fiscal 2020. The decrease in Total segment EBIT was driven by lower volumes in Reinforcement Materials and Purification Solutions and lower margins in Performance Chemicals, partially offset by higher volumes in the Performance Chemicals segment. Lower volumes in Reinforcement Materials (\$27 million) were primarily due to weaker automotive and tire production and the impacts of COVID-19 on demand while lower volumes in Purification Solutions (\$12 million) were due to lower volumes in mercury removal applications. Higher volumes in the Performance Chemicals segment (\$18 million) were driven by higher demand in the specialty carbons and specialty compounds product lines.

#### Certain Items

Details of the certain items for the second quarter and first six months of fiscal 2020 and fiscal 2019 are as follows:

	Three Months E	nded	March 31	Six Months Ended March			Iarch 31
	2020		2019		2020		2019
			(In mi		•		
Legal and environmental matters and reserves	\$ (51)	\$	(1)	\$	(50)	\$	(1)
Global restructuring activities (Note K)	(5)		(2)		(13)		(11)
Employee benefit plan settlements	(1)		_		(3)		3
Acquisition and integration-related charges	(1)		(1)		(2)		(4)
Specialty Fluids loss on sale and asset impairment charge	(1)		(20)	\$	(1)	\$	(20)
Indirect tax settlement credits	3		_		3		_
Equity affiliate investment impairment charge	_		(11)	\$	_	\$	(11)
Other			(2)		(1)		(3)
Total certain items, pre-tax	(56)		(37)		(67)		(47)
Tax-related certain items:							
Tax impact of certain items	8		1		10		3
Discrete tax items	3		_		13		24
Total tax-related certain items	 11		1		23		27
Total certain items, after tax	\$ (45)	\$	(36)	\$	(44)	\$	(20)

The tax impact of certain items is determined by (1) starting with the current and deferred income tax expense or benefit included in Net income (loss) attributable to Cabot Corporation, and (2) subtracting the tax expense or benefit on "adjusted earnings". Adjusted earnings is defined as the pre-tax income attributable to Cabot Corporation excluding certain items. The tax expense or benefit on adjusted earnings is calculated by applying the operating tax rate, as defined under the heading "Definition of Terms and Non-GAAP Financial Measures", to adjusted earnings.

	Thr	ee Months Ended	March 31	Six Months Ended March 31				
		2020	2019	2020	2019			
			(In mill	ions)				
Interest expense	\$	(14) \$	(14)	\$ (28)	\$ (29)			
Unallocated corporate costs		(12)	(13)	(22)	(25)			
General unallocated income (expense)		_	1	(1)	3			
Less: Equity in earnings of affiliated								
companies, net of tax		1	_	1	_			
Total other unallocated items	\$	(27) \$	(26)	\$ (52)	\$ (51)			

A discussion of items that we refer to as "other unallocated items" can be found under the heading "Definition of Terms and Non-GAAP Financial Measures". The balances of unallocated corporate costs are primarily comprised of expenditures related to managing a public company that are not allocated to the segments and corporate business development costs related to ongoing corporate projects. The balances of General unallocated income (expense) consist of gains (losses) arising from foreign currency transactions, net of other foreign currency risk management activities, the profit or loss related to the corporate adjustment for unearned revenue, and the impact of including the full operating results of a contractual joint venture in Purification Solutions segment EBIT.

## **Reinforcement Materials**

Sales and EBIT for Reinforcement Materials for the second quarter and first six months of fiscal 2020 and 2019 were as follows:

	 Three Months Ended March 31				Six Months Er	ided l	March 31
	 2020		2019	2020			2019
			(In mi	llions)			_
Reinforcement Materials Sales	\$ 355	\$	445	\$	734	\$	902
Reinforcement Materials EBIT	\$ 61	\$	61	\$	108	\$	123

Sales in Reinforcement Materials decreased by \$90 million in the second quarter of fiscal 2020 compared to the same period of fiscal 2019, primarily due to lower volumes (\$61 million), a less favorable price and product mix (combined \$23 million), and the unfavorable impact from foreign currency translation (\$7 million). The lower volumes were primarily due to weaker automotive and tire demand resulting from the impact of COVID-19. The less favorable pricing was primarily due to the pass-through of lower feedstock prices.

In the first six months of fiscal 2020, sales in Reinforcement Materials decreased by \$168 million when compared to the first six months of fiscal 2019. The decrease was primarily driven by a less favorable price and product mix (combined \$80 million), lower volumes (\$76 million), and the unfavorable impact from foreign currency translation (\$12 million). The less favorable price and product mix was due to the pass-through of lower feedstock prices. The lower volumes were primarily due to weaker automotive and tire demand and the impacts of COVID-19 on demand.

EBIT in Reinforcement Materials in the second quarter of fiscal 2020 was flat compared to the same period of fiscal 2019. During the second quarter of fiscal 2020, the segment had 14% lower volumes (\$22 million) which were offset by higher unit margins (\$22 million). The lower volumes were primarily due to weaker tire and automotive demand resulting from the impacts of COVID-19. The higher unit margins were due to pricing and mix benefits in both our tire and industrial products product lines.

EBIT in Reinforcement Materials decreased \$15 million in the first six months of fiscal 2020 compared to the same period of fiscal 2019. The decrease was driven by lower volumes (\$27 million) and an unfavorable impact from foreign currency translation (\$5 million), which was partially offset by higher unit margins (\$13 million) and lower fixed costs (\$4 million). Lower volumes were primarily due to weaker automotive and tire demand and the impacts from COVID-19. The higher unit margins were due to pricing and mix benefits in both our tire and industrial products product lines.

## Performance Chemicals

Sales and EBIT for Performance Chemicals for the second quarter and first six months of fiscal 2020 and 2019 were as follows:

	Th	Three Months Ended March 31				Six Months Ended March 31					
		2020		2019		2020		2019			
				(In mi	llions)			_			
Performance Additives Sales	\$	168	\$	179	\$	338	\$	346			
Formulated Solutions Sales		77		75		149		139			
Performance Chemicals Sales	\$	245	\$	254	\$	487	\$	485			
Performance Chemicals EBIT	\$	31	\$	38	\$	72	\$	74			

Sales in Performance Chemicals decreased by \$9 million in the second quarter of fiscal 2020 compared to the same period of fiscal 2019, primarily due to a less favorable price and product mix (combined \$16 million) and the unfavorable impact from foreign currency translation (\$2 million), partially offset by higher volumes (\$9 million). The less favorable price and product mix was primarily due to a more competitive pricing environment and weaker product mix in the fumed metal oxides product line in China and Europe. The higher volumes were driven by the specialty carbons and specialty compounds product lines.

In the first six months of fiscal 2020, sale in Performance Chemicals increased \$2 million when compared to the same period of fiscal 2019. The increase was primarily due to higher volumes (\$40 million), partially offset by a less favorable price and product mix (combined \$33 million) and the unfavorable impact from foreign currency translation (\$6 million). The higher volumes were primarily due to higher demand in the specialty carbons and specialty compounds product lines. The less favorable price and product mix was primarily due to a more competitive pricing environment and weaker product mix in the fumed metal oxides product line in China and Europe.

EBIT in Performance Chemicals decreased by \$7 million in the second quarter of fiscal 2020 compared to the second quarter of fiscal 2019 primarily due to lower unit margins from a more competitive pricing environment and weaker product mix in the fumed metal oxides product line in China and Europe, partially offset by higher volumes in the specialty carbons and specialty compounds product lines.

EBIT in Performance Chemicals decreased by \$2 million in the first six months of fiscal 2020 when compared to the same period of fiscal 2019 primarily due to lower unit margins (\$7 million), higher fixed costs (\$6 million), the unfavorable impact of inventory comparisons (\$5 million), partially offset by higher volumes (\$18 million). Lower unit margins were due to a more competitive pricing environment and weaker product mix in the fumed metal oxides product line in China and Europe. The higher volumes were driven by our specialty carbons and specialty compounds product lines due to higher demand in the specialty carbons and specialty compounds product lines and new capacity in our fumed metal oxides product line.

## **Purification Solutions**

Sales and EBIT for Purification Solutions for the second quarter and first six months of fiscal 2020 and 2019 were as follows:

	7	Three Months Ended March 31				Six Months Ended March 31			
		2020		2019		2020		2019	
				(In mi	llions	)			
Purification Solutions Sales	\$	64	\$	72	\$	123	\$	137	
Purification Solutions EBIT	\$	3	\$	1	\$	1	\$	(2)	

Sales in Purification Solutions decreased by \$8 million in the second quarter of fiscal 2020 compared to the same period of fiscal 2019 due to lower volumes (\$11 million) and the unfavorable impact from foreign currency translation (\$1 million), partially offset by improved pricing and a more favorable product mix (combined \$5 million). The lower volumes were primarily due to lower sales in mercury removal and other industrial gas and air applications.

Sale in Purification Solutions decreased \$14 million in the first six months of fiscal 2020 when compared to the same period of fiscal 2019 due to lower volumes (\$24 million) and the unfavorable impact from foreign currency translation (\$2 million), partially offset by improved pricing and a more favorable product mix (combined \$12 million). The lower volumes were primarily due to lower sales in mercury removal and other industrial gas and air applications.

EBIT in Purification Solutions increased by \$2 million in the first quarter of fiscal 2020 compared to the second quarter of fiscal 2019 due to higher unit margins (\$4 million), lower fixed costs (\$2 million) as a result of prior year restructuring activities and the favorable impact of changing inventory levels (\$1 million), partially offset by lower volumes (\$6 million). The higher unit margins were primarily due to an improved product mix and higher prices. The lower volumes were primarily due to lower sales in mercury removal and other industrial gas and air applications.

EBIT in Purification Solutions improved by \$3 million in the first six months of fiscal 2020 when compared to the same period of fiscal 2019 due to higher unit margins (\$9 million), lower fixed costs (\$5 million) as a result of prior year restructuring activities and the favorable impact of inventory comparisons (\$2 million), partially offset by lower volumes (\$12 million). The higher unit margins were primarily due to an improved product mix and higher prices while the lower volumes were primarily due to lower sales in mercury removal and other industrial gas and air applications.

## **Specialty Fluids**

We divested our Specialty Fluids business on June 28, 2019. Refer to our fiscal 2019 10-K filing for further details. Sales and EBIT for Specialty Fluids for the second quarter and first six months of fiscal 2020 and 2019 were as follows:

	T	hree Months Ended	Six Months Ended March 31			
		2020	2019	2020	2019	
			(In milli	ons)		
Specialty Fluids Sales	\$	— \$	24	\$ —	\$	43
Specialty Fluid EBIT	\$	— \$	12	\$	\$	22

## **Cash Flows and Liquidity**

#### Overview

Our liquidity position, as measured by cash and cash equivalents plus borrowing availability, decreased by \$136 million during the first six months of fiscal 2020, which was largely attributable to capital expenditures, share repurchases and cash dividends, partially offset by lower net working capital. As of March 31, 2020, we had cash and cash equivalents of \$142 million, restricted cash of \$35 million and borrowing availability under our revolving credit agreements of \$1.2 billion. The restricted cash was classified within Prepaid expenses and other current assets.

Our U.S. revolving credit agreement supports our working capital and commercial paper program. During the second quarter, one of our short-term credit ratings was downgraded, which decreased our access to, and increased our cost to borrow through, the commercial paper market. As a result, during the second quarter, we transitioned our borrowing for U.S. cash needs from our commercial paper program to our revolving credit facility. As of March 31, 2020, our borrowings on the U.S. revolving credit facility were \$100 million, and we had no commercial paper outstanding. Our non-U.S. revolving credit agreements may be used for repatriation of earnings of our foreign subsidiaries to the U.S., the repayment of indebtedness of our foreign subsidiaries owing to us or any of our subsidiaries, and for working capital and general corporate purposes. As of March 31, 2020, our borrowings under these facilities was \$144 million.

A significant portion of our business occurs outside the U.S. and our cash generation does not always align geographically with our cash needs. The vast majority of our cash and cash equivalent holdings tend to be held outside the U.S. Cash held by foreign subsidiaries is generally used to finance the subsidiaries' operational activities and future investments. In the event that additional funds are needed in the U.S., we expect to be able to repatriate funds or to access debt under our revolving credit facilities.

At March 31, 2020, we were in compliance with all covenants under our revolving credit facilities, including the total consolidated debt to consolidated EBITDA (earnings before interest, taxes, depreciation and amortization) covenant.

We generally manage our cash and debt on a global basis to provide for working capital requirements as needed by region or site. Cash and debt are generally denominated in the local currency of the subsidiary holding the assets or liabilities, except where there are operational cash flow reasons to hold non-functional currency or debt.

Although we cannot predict the duration or scope of the COVID-19 pandemic and its impact on our customers and suppliers, we are actively managing the business to maintain cash flow and we anticipate sufficient liquidity from (i) cash on hand; (ii) cash flows from operating activities; and (iii) cash available from our revolving credit facilities to meet our operational and capital investment needs and financial obligations for the foreseeable future.

The following discussion of the changes in our cash balance refers to the various sections of our Consolidated Statements of Cash Flows.

## Cash Flows from Operating Activities

Cash provided by operating activities, which consists of net income adjusted for the various non-cash items included in income, changes in working capital and changes in certain other balance sheet accounts, totaled \$129 million in the first six months of fiscal 2020 compared to \$51 million of cash provided by operating activities during the same period of fiscal 2019.

Cash provided by operating activities in the first six months of fiscal 2020 was driven primarily by our net income of \$49 million, the non-cash impacts of depreciation and amortization of \$78 million and a decrease in Accounts and notes receivable of \$56 million, partially offset by an increase in Prepaid expenses and other current assets of \$33 million and the non-cash impact of a decrease in our deferred tax provision of \$23 million.

Cash provided by operating activities in the first six months of fiscal 2019 was driven primarily by our net income of \$106 million, a decrease in Accounts and notes receivable of \$39 million and the non-cash impacts of depreciation and amortization of \$73 million and the impairments of our held for sale assets and of our investment in our Venezuelan equity affiliate of \$20 million and \$11 million, respectively. This activity was partially offset by an increase in Inventories of \$51 million, a decrease in Accounts payable and accrued liabilities of \$77 million, a decrease in Income taxes payable of \$21 million, a decrease in Other liabilities of \$27 million and the non-cash impact of a decrease in our deferred tax provision of \$29 million.

In addition to the factors noted above, the following other elements of operations have a bearing on operating cash flows:

Restructurings — As of March 31, 2020, we had \$10 million of total restructuring costs in accrued expenses in the Consolidated Balance Sheets related to certain of our global restructuring activities. In the first six months of fiscal 2020, we paid \$9 million related to these restructuring activities, and we expect to make cash payments totaling approximately \$13 million in the remainder of fiscal 2020 and thereafter.

Environmental Reserves and Litigation Matters — As of March 31, 2020, we had a \$9 million reserve for environmental remediation costs at various sites. These sites are primarily associated with businesses divested in prior years. In the first six months of fiscal 2020, we paid \$5 million related to these environmental matters. Additionally, as of March 31, 2020, we had a \$23 million reserve for existing and future respirator claims that we expect to pay over multiple years. We also had a \$65 million payable for settled respirator claims as of March 31, 2020 that we will pay in two equal installments in our third quarter of fiscal 2020 and first quarter of fiscal 2021. We also have other litigation costs arising in the ordinary course of business.

## **Cash Flows from Investing Activities**

Investing activities consumed \$126 million of cash in the first six months of fiscal 2020 compared to \$98 million of cash consumed in the first six months of fiscal 2019. In both periods, investing activities primarily consisted of capital expenditures for sustaining and compliance capital projects at our operating facilities as well as capacity expansion capital expenditures in Reinforcement Materials and Performance Chemicals. In addition, in the first six months of fiscal 2020, we paid \$8 million for the plant that we acquired from NSCC in September 2018.

Capital expenditures for fiscal 2020 are expected to be approximately \$200 million. Our planned capital spending program for fiscal 2020 is primarily for sustaining, compliance and improvement capital projects at our operating facilities as well as expansion capital expenditures in Reinforcement Materials and Performance Chemicals.

In April 2020, we completed the purchase of SUSN for approximately \$105 million through cash consideration of \$90 million, of which \$5 million represents contingent consideration to be paid out based on certain milestones over the next two years, and debt assumed of \$15 million.

## **Cash Flows from Financing Activities**

Financing activities provided \$10 million of cash in the first six months of fiscal 2020 compared to \$58 million of cash provided in the first six months of fiscal 2019. In the first six months of fiscal 2020, financing activities primarily consisted of the proceeds from borrowing under our revolvers of \$197 million, partially offset by the repayment of \$50 million of long-term debt, share repurchases of \$44 million, dividend payments to stockholders of \$40 million, and the repayment of \$33 million of commercial paper.

In the first six months of fiscal 2019, financing activities primarily consisted of \$297 million of proceeds from the issuance of commercial paper and \$29 million of short-term borrowings, which was partially offset by share repurchases of \$112 million, dividend payments to stockholders of \$40 million, the repayment of \$75 million of fixed rate debt and the redemption of \$25 million of preferred stock held by our former NHUMO joint venture partner.

## Off-Balance Sheet Arrangements

As of March 31, 2020, we had no material transactions that meet the definition of an off-balance sheet arrangement.

## Forward-Looking Information

This report on Form 10-Q contains "forward-looking statements" under the Federal securities laws. These forward-looking statements address expectations or projections about the future, including our expectations for future financial performance and the factors we expect to impact our results of operations, including how we expect the COVID-19 pandemic to impact demand for our products, our results of operations and our cash flows and our related mitigation efforts; when we expect the NSCC Carbon plant upgrades to be completed; the amount and timing of the charge to earnings we will record and the cash outlays we will make in connection with our reorganization and the closing of certain manufacturing facilities, restructuring initiatives and under our transformation plan for our Purification Solutions business; our estimated future amortization expenses for our intangible assets; when we expect to make payments under the settlement agreement we entered into settling certain respirator liability claims; the timing of expected payments from our reserve for existing and future respirator claims; the amount of any future gain or loss we may record upon the settlement, and the timing of the completion, of certain defined benefit obligations and pension plan terminations; the sufficiency of our cash on hand, cash provided from operations and cash available under our credit facilities to fund our cash requirements; uses of available cash including anticipated capital spending and future cash outlays associated with long-term contractual obligations; our expected tax rate for fiscal 2020; and the possible outcome of legal and environmental proceedings. From time to time, we also provide forward-looking statements in other materials we release to the public and in oral statements made by authorized officers.

Forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties, potentially inaccurate assumptions, and other factors, some of which are beyond our control or difficult to predict. If known or unknown risks materialize, our actual results could differ materially from those expressed in the forward-looking statements. Importantly, as we cannot predict the duration or scope of the COVID-19 pandemic, the negative impact to our results cannot be estimated. Factors that will influence the impact on our business and operations include the duration and extent of the pandemic, the extent of imposed or recommended containment and mitigation measures, and the general economic consequences of the pandemic.

In addition to factors described elsewhere in this report, other important the following are some of the factors that could cause our actual results to differ materially from those expressed in the forward-looking statements include: changes in raw material costs; lower than expected demand for our products; changes in environmental requirements in the U.S.; the loss of one or more of our important customers; our inability to complete capacity expansions or other development projects; the availability of raw materials; our failure to develop new products or to keep pace with technological developments; fluctuations in currency exchange rates; patent rights of others; stock and credit market conditions; the timely commercialization of products under development (which may be disrupted or delayed by technical difficulties, market acceptance, competitors' new products, as well as difficulties in moving from the experimental stage to the production stage); demand for our customers' products; competitors' reactions to market conditions; unanticipated disruptions or delays in plant operations or development projects; delays in the successful integration of structural changes, including acquisitions or joint ventures; severe weather events that cause business interruptions, including plant and power outages or disruptions in supplier or customer operations; negative or uncertain worldwide or regional economic conditions and market opportunities, including from trade relations or global health matters; the accuracy of the assumptions we used in establishing reserves for environmental matters and for our share of liability for respirator claims; and the outcome of pending litigation. These other factors and risks are discussed more fully in our 2019 10-K or in our subsequent SEC filings.

## Item 3. Quantitative and Qualitative Disclosures About Market Risk

Information about market risks for the period ended March 31, 2020 does not differ materially from that discussed under Item 7A of our 2019 10-K.

## Item 4. Controls and Procedures

As of March 31, 2020, we carried out an evaluation, under the supervision and with the participation of our management, including our principal executive officer and our principal financial officer, of the effectiveness of our disclosure controls and procedures pursuant to Rule 13a-15 under the Securities Exchange Act of 1934, as amended. Based upon that evaluation, our principal executive officer and our principal financial officer concluded that our disclosure controls and procedures were effective as of that date.

There were no changes in our internal control over financial reporting that occurred during our fiscal quarter ended March 31, 2020 that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting. As a result of the COVID-19 pandemic, during the quarter certain of our employees began working remotely and certain manufacturing sites began operating with limited personnel on-site. We have not identified any material changes in our internal control over financial reporting as a result of these changes to the working environment. We are continually monitoring and assessing the COVID-19 situation to determine any potential impacts on the design and operating effectiveness of our internal controls over financial reporting.

#### Part II. Other Information

## Item 1. Legal Proceedings

Respirator Liabilities

We have exposure in connection with a safety respiratory products business that a subsidiary of the Company acquired from American Optical Corporation ("AO") in an April 1990 asset purchase transaction, which is described in our 2019 10-K.

On February 28, 2020, Cabot, with certain members of the Payor Group (which is defined in the 2019 10-K), entered into a settlement agreement resolving a large group of these claims, including claims alleging serious injury, brought by coal workers in Kentucky and West Virginia represented by common legal counsel. Our share of this liability is \$65 million. We will pay this liability in two equal installments in Cabot's third quarter of fiscal 2020 and first quarter of fiscal 2021.

## Item 1A. Risk Factors

There has been no material change in the risk factors described in the Company's Annual Report on Form 10-K for the year ended September 30, 2019, with the exception of the addition of the following risk factor:

The COVID-19 pandemic has disrupted our operations and has had and could continue to have a material adverse effect on our business and any future outbreak of a widespread health epidemic could materially and adversely impact our business in the future.

Our business has been and could in the future be materially and adversely affected by the outbreak of a widespread health epidemic. The coronavirus (or COVID-19) pandemic and the associated containment efforts have had a serious adverse impact on the economy and on our business, results of operations and cash flows. Specifically, the current pandemic has disrupted operations at our key customers within the automotive and tire industries, which has materially reduced demand for our products. In response to this reduced demand for our products, and also to comply with government mandates, we temporarily ceased operations or idled production lines at our facilities and we may be required to do this in the future. In addition, the current pandemic, or any future global health crisis, could materially affect our ability to adequately staff and maintain our operations, including as government authorities impose mandatory closures, work-from-home orders and social distancing protocols, and seek voluntary facility closures and impose other restrictions to mitigate the further spread of disease. A global health crisis could also disrupt our supply chain and materially adversely impact our ability to secure supplies for our facilities and to provide personal protective equipment for our employees, which could materially adversely affect our operations. There may also be longterm effects on our customers in and the economies of affected countries. Even if a virus or other illness does not spread significantly, the perceived risk of infection or health risk may materially affect our business. Any of the foregoing within the countries in which we or our customers and suppliers operate could severely disrupt our operations and could have a material adverse effect on our business, results of operations, cash flows and financial condition. As we cannot predict the duration or scope of the COVID-19 or any pandemic, the negative financial impact to our results cannot be reasonably estimated and could be material. Factors that will influence the impact on our business and operations include the duration and extent of the pandemic, the extent of imposed or recommended containment and mitigation measures, and the general economic consequences of the pandemic. In addition, a global health crisis that continues for an extended period of time with an adverse impact on our revenue and overall profitability may lead to an increase in inventory reserves, allowances for doubtful accounts, and valuation allowances on certain of our deferred tax assets or cause us to recognize impairments for certain long-lived assets including goodwill, intangible assets or property, plant and equipment.

In addition to the other information set forth in this report, the other risks disclosed in Item 1A of our Annual Report on Form 10-K for the fiscal year ended September 30, 2019 should be carefully considered, particularly those describing risks associated with industry capacity utilization, volatility in the price and availability of raw materials, material adverse changes in customer relationships including any failure of a customer to perform its obligations under agreements with us, IT security systems risks, factors affecting our tax rate, and risks associated with worldwide or regional economic conditions, which are heightened due to COVID-19.

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

## **Issuer Purchases of Equity Securities**

The table below sets forth information regarding Cabot's purchases of its equity securities during the quarter ended March 31, 2020:

<u>Period</u>	Total Number of Shares Purchased(1)(2)		Average Price Paid per Share	Total Number of Shares Purchased as Part of Publicly Announced Plans or Programs(1)	Aximum Number (or Approximate Dollar Value) of Shares that May Yet Be Purchased Under the Plans or Programs(1)	
January 1, 2020 - January 31, 2020	_	\$	_	_	5,264,465	
February 1, 2020 - February 29, 2020	190,800	\$	39.49	190,800	5,073,665	
March 1, 2020 - March 31, 2020	50,000	\$	37.62	50,000	5,023,665	
Total	240,800			240,800		

On July 13, 2018, Cabot publicly announced that the Board of Directors authorized the Company to repurchase up to an additional ten million shares of its common stock on the open market or in privately negotiated transactions, increasing the current balance of shares available for repurchase at that time to approximately eleven million shares. The current authorization does not have a set expiration date.

<sup>(2)</sup> Total number of shares purchased does not include 1,010 shares withheld to pay taxes on the vesting of equity awards made under the Company's equity incentive plans or to pay the exercise price of options exercised during the period.

Item 6. Exhil	bits
Exhibit No.	Description
Exhibit 3.1	Restated Certificate of Incorporation of Cabot Corporation effective January 9, 2009 (incorporated herein by reference to Exhibit 3.1 of Cabot's Quarterly Report on Form 10-Q for the quarterly period ended December 31, 2008, file reference 1-5667, filed with the SEC on February 9, 2009).
Exhibit 3.2	The By-laws of Cabot Corporation as amended January 8, 2016 (incorporated herein by reference to Exhibit 3.1 of Cabot Corporation's Quarterly Report on Form 10-Q for the quarterly period ended December 31, 2015, file reference 1-5667, filed with the SEC on February 5, 2016).
Exhibit 31.1*	Certification of Principal Executive Officer required by Rule 13a-14(a) or Rule 15d-14(a) of the Exchange Act.
Exhibit 31.2*	Certification of Principal Financial Officer required by Rule 13a-14(a) or Rule 15d-14(a) of the Exchange Act.
Exhibit 32**	Certifications of the Principal Executive Officer and the Principal Financial Officer pursuant to 18 U.S.C. Section 1350.
Exhibit 101.INS*	XBRL Instance Document – the instance document does not appear in the Interactive Data File because its XBRL tags are embedded within the Inline XBRL document.
Exhibit 101.SCH*	XBRL Taxonomy Extension Schema Document.
Exhibit 101.CAL*	XBRL Taxonomy Extension Calculation Linkbase Document.
Exhibit 101.DEF*	XBRL Taxonomy Extension Definition Linkbase Document.
Exhibit 101.LAB*	XBRL Taxonomy Extension Label Linkbase Document.
Exhibit 101.PRE*	XBRL Taxonomy Extension Presentation Linkbase Document.
Exhibit 104*	The cover page from the Company's Quarterly Report on Form 10-Q for the quarter ended March 31, 2020, formatted in Inline XBRL (included in Exhibit 101).

 <sup>\*</sup> Filed herewith.

<sup>\*\*</sup> Furnished herewith.

## **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.

CABOT CORPORATION

Date: May 11, 2020 By: /s/ Erica McLaughlin

Erica McLaughlin Senior Vice President and Chief Financial Officer (Duly Authorized Officer)

Date: May 11, 2020 By: /s/ LISA M. DUMONT

Lisa M. Dumont
Vice President and Controller
(Chief Accounting Officer)

## **Principal Executive Officer Certification**

## I, Sean D. Keohane, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of Cabot Corporation;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(f)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 11, 2020

/s/ Sean D. Keohane

Sean D. Keohane

President and
Chief Executive Officer

## **Principal Financial Officer Certification**

## I, Erica McLaughlin, certify that:

- 1. I have reviewed this quarterly report on Form 10-Q of Cabot Corporation;
- 2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
- 3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
- 4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a-15(e) and 15d-15(f)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
  - a) designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
  - b) designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
  - c) evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
  - d) disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
- 5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
  - a) all significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
  - b) any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: May 11, 2020

Serica McLaughlin

Erica McLaughlin

Senior Vice President and
Chief Financial Officer

## Certifications Pursuant to 18 U.S.C. Section 1350, as Adopted Pursuant to Section 906 of the Sarbanes-Oxley Act of 2002

In connection with the filing of the Quarterly Report on Form 10-Q for the quarter ended March 31, 2020 (the "Report") by Cabot Corporation (the "Company"), each of the undersigned hereby certifies pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002, that, to his knowledge:

- 1. The Report fully complies with the requirements of section 13 (a) or 15 (d) of the Securities Exchange Act of 1934, as amended; and
- 2. The information contained in the Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: May 11, 2020	/s/ Sean D. Keohane			
	Sean D. Keohane			
	President and Chief Executive Officer			
Date: May 11, 2020	/s/ Erica McLaughlin			
	Erica McLaughlin			
	Senior Vice President and			
	Chief Financial Officer			