November 9, 2018

[Summary] Consolidated Results for the Six Months Ended September 30, 2018

Tokyo, November 9, 2018 - Toray Industries, Inc. ("Toray") today announced its consolidated business results for the six months ended September 30, 2018 of the fiscal year ending March 31, 2019 ("FY2018"). The following summary of the business results that Toray submitted to the Tokyo Stock Exchange is unaudited and for reference only. (Code Number: 3402)

Consolidated Business Results

(Millions of yen, *millions of U.S. dollars,* except per share data)

	Six months ended September 30				(Reference) FY2017
	2018	2017	Change	**2018**	
	Yen		%	*U.S. dollars*	Yen
Net sales	**¥1,191,212**	¥1,048,218	13.6	***$10,486***	¥2,204,858
Operating income	**77,687**	78,060	(0.5)	***684***	156,464
Ordinary income	**77,395**	76,759	0.8	***681***	152,305
Net income attributable to owners of parent	**48,504**	47,524	2.1	***427***	95,915
Earnings per share - Basic (Yen)	**30.32**	29.71	-	-	59.97
Earnings per share - Diluted (Yen)	**30.29**	29.68	-	-	59.90

Consolidated Financial Condition

(Millions of yen, *millions of U.S. dollars*)

	As of September 30, 2018		As of March 31, 2018
	Yen	*U.S. dollars*	Yen
Total assets	**¥2,834,736**	***$24,954***	¥2,575,910
Net assets	**1,238,793**	***10,905***	1,169,188
Equity ratio	**40.8%**	-	42.3%

Cash Dividends

(Yen)

	Cash dividends per share				
	1Q	2Q	3Q	4Q	Total
FY2017	-	**¥7.00**	-	**¥8.00**	**¥15.00**
FY2018	-	**8.00**			
FY2018 (forecast)			-	**8.00**	**16.00**

Notes:
1. For calculation of “Equity ratio”, non-controlling interests and stock acquisition rights are deducted from net assets.
2. U.S. dollar amounts have been converted from yen at the exchange rate of ¥113.6 = US$1, the approximate rate of exchange prevailing on September 30, 2018.
3. Amounts are rounded to the nearest million.

Segment Information

(Millions of yen, *millions of U.S. dollars*)

Net Sales	Six months ended September 30,		
	2018	2017	**2018**
	Yen		*U.S. dollars*
Fibers & Textiles	**¥503,072**	¥422,785	***$4,428***
Performance Chemicals	**434,971**	390,688	***3,829***
Carbon Fiber Composite Materials	**96,454**	84,820	***849***
Environment & Engineering	**121,414**	115,221	***1,069***
Life Science	**26,277**	26,214	***231***
Others	**9,024**	8,490	***79***
Consolidated Total	**1,191,212**	1,048,218	***10,486***

Segment Income	Six months ended September 30,		
	2018	2017	**2018**
	Yen		*U.S. dollars*
Fibers & Textiles	**¥41,786**	¥35,548	***$368***
Performance Chemicals	**35,799**	35,686	***315***
Carbon Fiber Composite Materials	**5,961**	10,458	***52***
Environment & Engineering	**5,711**	6,829	***50***
Life Science	**677**	1,385	***6***
Others	**823**	860	***7***
Total	**90,757**	90,766	***799***
Adjustments	**(13,070)**	(12,706)	***(115)***
Consolidated Total (Operating income)	**77,687**	78,060	***684***

Notes:
1. “Others” represents service-related businesses such as analysis, physical evaluation and research.
2. “Adjustments” of segment income for the six months ended September 30, 2018 of ¥(13,070) million includes intersegment eliminations of ¥9 million and corporate expenses of ¥(13,079) million. “Adjustments” of segment income for the six months ended September 30, 2017 of ¥(12,706) million includes intersegment eliminations of ¥(330) million and corporate expenses of ¥(12,376) million. The corporate expenses consist of the headquarters’ research expenses that are not allocated to each reportable segment.
3. U.S. dollar amounts have been converted from yen at the exchange rate of ¥113.6 = US$1, the approximate rate of exchange prevailing on September 30, 2018.
4. Amounts are rounded to the nearest million.

Forecast of Consolidated Results for the Fiscal Year Ending March 31, 2019

(Millions of yen, *millions of U.S. dollars*)

	Year ending March 31, 2019	
	Yen	*U.S. dollars*
Net sales	¥2,450,000	*$22,273*
Operating income	160,000	*1,455*
Ordinary income	155,000	*1,409*
Net income attributable to owners of parent	98,000	*891*

Reference: EPS forecast (year ending March 31, 2019) ¥61.26

Notes:
1. U.S. dollar amounts have been converted from yen at the exchange rate of ¥110.0 = US$1, the estimated rate of exchange from October onwards.
2. Amounts are rounded to the nearest million.

Consolidated Business Results and Financial Condition

1. Overview of the Six Months Ended September 30, 2018

During the period under review, the U.S. economy performed well while the European economy continued to register a gradual recovery. There were signs of the economy picking up in many emerging countries. The Japanese economy continued on its modest recovery track, as both corporate and household sectors performed strongly.
At the same time, however, the rise in raw material and fuel prices had a negative impact on Toray Group's profit.
Under such circumstances, Toray Group, since April, 2017, has been working on the medium-term management program "Project AP-G 2019" that spans over three years through fiscal year 2019 and has been implementing the growth strategy with focus on taking advantage of growth business fields, pursuing business expansion in growth countries and regions as well as further bolstering its cost competitiveness.

As a result, consolidated net sales for the six months ended September 30, 2018 increased 13.6% compared with the same period of the previous fiscal year to ¥1,191.2 billion (US$10,486 million). Operating income fell 0.5% to ¥77.7 billion (US$684 million), and ordinary income increased 0.8% to ¥77.4 billion (US$681 million). Net income attributable to owners of parent rose 2.1% to ¥48.5 billion (US$427 million).

Business performance by segment is described below.

Business Performance by Segment:

Fibers & Textiles
In Japan, demand for industrial applications such as automobiles was strong as a whole, while shipment of apparel applications remained weak partly due to unseasonable weather. Against this background, Toray Group not only strived to expand sales in both apparel and industrial applications but also worked to expand the business format that integrates fibers to textiles to final products while focusing on strengthening cost competitiveness.
Overseas, business performance of some subsidiaries in Southeast Asia remained slow. On the other hand, materials for automotive applications remained strong in general and the Group expanded the integrated business for apparel applications. The segment's business both in Japan and abroad was affected by the increase in raw material prices.

As a result, overall sales of Fibers & Textiles segment increased 19.0% to ¥503.1 billion (US$4,428 million) compared with the same period a year earlier and operating income rose 17.5% to ¥41.8 billion (US$368 million).

Performance Chemicals
In the resins business, Toray Group expanded sales of automotive applications while passing on rise in raw material prices to the sales price. The chemicals business saw an improvement in the basic chemicals market and sales of fine chemical products

also increased. In the films business, shipment of battery separator films for lithium-ion secondary batteries increased reflecting demand growth, while polyester films and other products were broadly affected by the increase in raw material prices. The electronic & information materials business was affected by the slowing demand for OLED related materials, while electric circuit materials at a Korean subsidiary performed strongly.

As a result, overall sales of Performance Chemicals segment increased 11.3% to ¥435.0 billion (US$3,829 million) compared with the same period a year earlier and operating income rose 0.3% to ¥35.8 billion (US$315 million).

Carbon Fiber Composite Materials

In the Carbon Fiber Composite Materials segment, demand for the aircraft application was mostly strong given the completion of the inventory adjustment in the supply chain. Demand for the industrial applications as a whole showed a recovery trend primarily in the environment and energy-related fields led by compressed natural gas tank applications and wind turbine blade applications.
However, the segment was affected by rising raw material prices and intensifying competition. The cost of starting a new project at a composite subsidiary overseas increased and the segment also incurred related fees for the acquisition of the entire stake in TenCate Advanced Composites Holding B.V.

As a result, overall sales of Carbon Fiber Composite Materials segment increased 13.7% to ¥96.5 billion (US$849 million) compared with the same period a year earlier while operating income fell 43.0% to ¥6.0 billion (US$52 million).

Environment & Engineering

In the water treatment business, demand for reverse osmosis membranes and other products grew strongly on the whole in Japan and abroad.
Among domestic subsidiaries in the segment, an engineering subsidiary experienced decreases in plant constructions and the shipment of some electronics-related equipment, though the trading volume of a trading subsidiary increased.

As a result, overall sales of Environment & Engineering segment increased 5.4% to ¥121.4 billion (US$1,069 million) compared with the same period a year earlier while operating income declined 16.4% to ¥5.7 billion (US$50 million).

Life Science

In the pharmaceutical business, while sales volume of orally active prostacyclin derivative DORNER® increased for overseas markets, the sales was affected by its generic versions and the revision of National Health Insurance drug price standards. Sales of pruritus treatment REMITCH®* were influenced by the market entry of its generic versions.
The medical devices business was affected by the reduction of the insurance reimbursement prices in Japan and the increase in raw material prices, while shipment of dialyzers grew strongly in Japan and overseas and sales volume of dialysis machines also expanded.

As a result, overall sales of Life Science segment increased 0.2% to ¥26.3 billion (US$231 million) compared with the same period a year earlier, while operating income declined 51.1% to ¥0.7 billion (US$6 million).
*REMITCH® is a registered trademark of Torii Pharmaceutical Co., Ltd.

2. Analysis of Financial Condition

As of September 30, 2018, Toray Group's total assets stood at ¥2,834.7 billion (US$24,954 million), up ¥258.8 billion from the end of the previous fiscal year, primarily due to increases in notes and accounts receivable, property, plant and equipment and intangible assets.

Liabilities increased by ¥189.2 billion to ¥1,595.9 billion (US$14,049 million) compared to the end of the previous fiscal year, owing mainly to a higher level of interest-bearing debts.

Net assets rose ¥69.6 billion compared with the end of the previous fiscal year to ¥1,238.8 billion (US$10,905 million), reflecting an increase in retained earnings due to recognition of net income. Net assets less non-controlling interests and stock acquisition rights came to ¥1,156.7 billion (US$10,183 million).

3. Forecast of Consolidated Results

The global economy as a whole is expected to continue its gradual expansion, as the U.S. maintains its expansion despite the weakness in Europe, and emerging economies, led by the ASEAN countries and India, perform strongly except for a stagnation going forward in China.
However, attention should be paid to risk factors such as increasing trade friction between countries such as the U.S. and China, the negotiations for the U.K.'s withdrawal from the EU, the protectionist trade policies spreading from the U.S. to other countries, and the financial market turmoil caused by moves towards monetary policy normalization in the U.S. and Europe. The Japanese economy is expected to continue on a gradual recovery track on the back of steady increase in consumer spending and capital investment, though there are concerns that the economy may be affected by uncertainties in overseas economies and fluctuations in crude oil prices and in the financial markets.
Under such circumstances, Toray Group will continue to implement the growth strategies under the medium-term management program "Project AP-G 2019."

As for the forecasts for the fiscal year ending March 31, 2019, Toray revised its full-year consolidated forecasts reflecting the business performance of the six months ended September 30, 2018, and changes in business environment. It now expects consolidated operating income of ¥160.0 billion (US$1,455 million), and ordinary income of ¥155.0 billion (US$1,409 million). Toray has kept its forecasts of full-year consolidated net sales, and net income attributable to owners of parent announced on August 6, 2018 unchanged. The calculation of consolidated earnings forecasts from October 2018 onwards is based on an assumed foreign currency exchange rate of ¥110.0 to the U.S. dollar.

Notes:
1. U.S. dollar amounts have been converted from yen at the exchange rate of ¥113.6 = US$1, the approximate rate of exchange prevailing on September 30, 2018.
2. U.S. dollar amounts of forecast have been converted from yen at the exchange rate of ¥110.0 = US$1, the estimated rate of exchange from October onwards.

Disclaimer
Descriptions of predicted business results, forecasts and business plans contained in this material are based on predictive forecasts of the future business environment made at the present time. The material in this statement is not a guarantee of Toray's future business performance.

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