

ENR THE TOP 200 ENVIRONMENTAL FIRMS

Overview and Analysis of Markets [p. 60](#) // Revenue Changes in a Decade [p. 60](#) // Profit-Loss Trends [p. 60](#) // Analysis of Global Regions [p. 61](#) // Backlog and Hiring Trends [p. 61](#) // Top Firms by Market Sector [p. 63](#) // Analysis of Multiyear Client Sector Trends [p. 63](#) // Top Firms by Client and Type of Work [p. 64](#) // Top 20 Firms in Non-U.S. Revenue and Top 30 All-Environmental Firms [p. 65](#) // Top 200 Company Closeup: Tradebe Environmental LLC [p. 66](#) // How To Read the Top 200 Env Firms List [p. 66](#) List of the Top 200 Environmental Firms [p. 68](#) // Where To Find the Top 200 Firms (alphabetical index of ranked firms) [p. 72](#)

DIGGING IN Tunneling supports a \$400-million water supply and treatment upgrade in Loudoun County, Va., near Washington, D.C. Several Top 200 firms have roles in the program, set to finish in 2017.



PHOTO COURTESY OF PC CONSTRUCTION

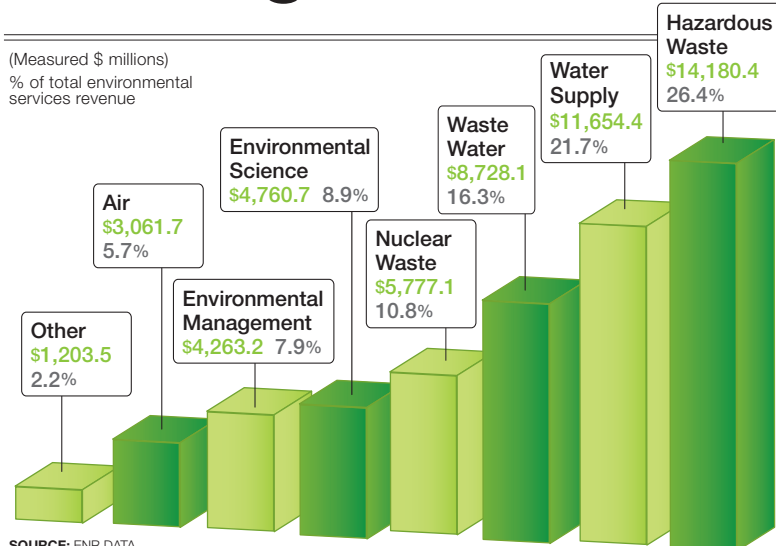
New Demands, Big Challenges

The Top 200 push to meet environmental needs of growing populations.

By Debra K. Rubin and Bruce Buckley



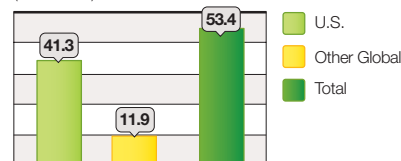
Looking at Markets



SOURCE: ENR DATA

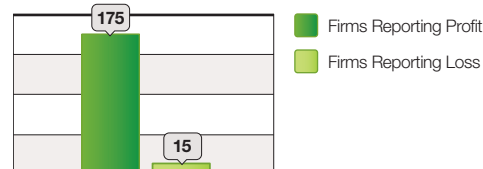
Top 200 Environmental Firms' Revenue

(in \$ billions)



* Not all firms provided domestic/international breakdowns.

Number of Firms Reporting Profitability Change



Comparing the Past Decade's Top 200 Firm Revenue

(in \$ billions) SOURCE: ENR DATA



A government change that began to unfold last year in the U.S., and economic and political turmoil elsewhere, did not curb spending on environmental needs pushed by global demographic trends and natural events. Even with budget constraints and delayed contracting, ENR's Top 200 Environmental Firms saw their revenue grow 3.8% in 2015 to \$53.4 billion. Environmental regulation drew fire for its impact on construction schedules, but it spurred innovation—and growth—last year for many listed companies.

The strength of the American economy was evident, as U.S.-generated revenue rose 10.7% to \$41.4 billion—over the \$40 billion mark for the first time in four years—but revenue beyond its borders fell by the same proportion, to \$11.86 billion. A full-year of impacts from the continuing oil-price slide predictably hurt environmental work in resource-heavy Australia and Canada, with Top 200 revenue totals down in those countries by 51% and 18%, respectively. But Europe rebounded from its market falloff last year, as revenue generated there rose by 20%. Whether that strength is sustainable in the continent's post-Brexit era—since the U.K. voted in June to leave the European Union—is anyone's guess.

"If Republicans win in November's presidential election, [party nominee Donald] Trump could threaten continued U.S. involvement in the Paris [cli-



"From an engineering standpoint, the Flint problem is not all that difficult. It's aquatic chemistry we all take in college. But it has sensitized the public to ask: 'Is our water safe?' The good news is that we have an answer."

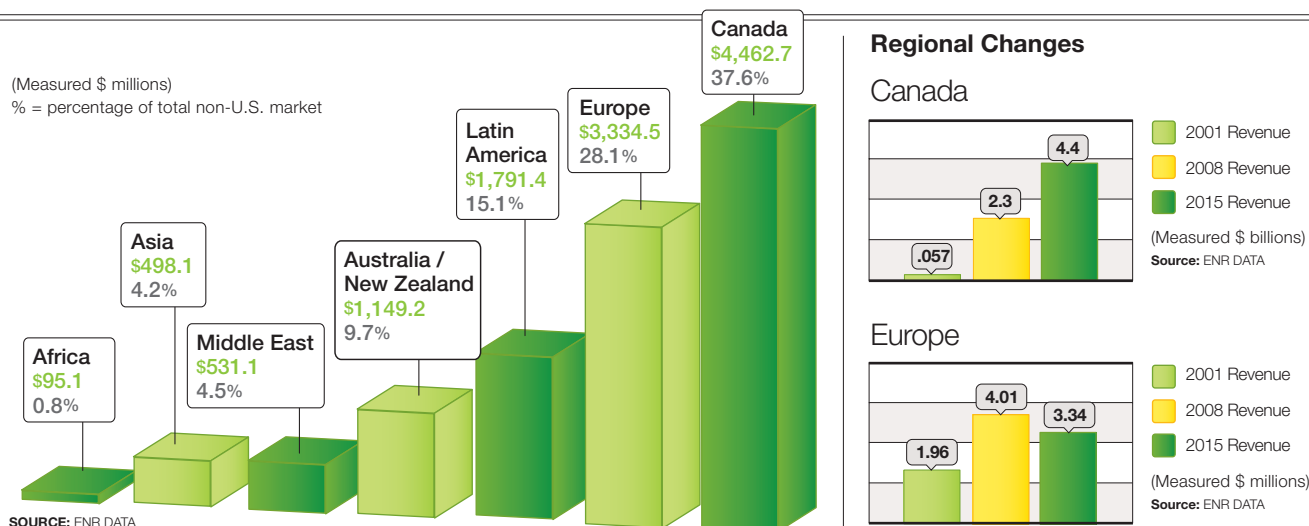
Marshall Davert, Americas-Asia president for government and infrastructure, MWH Global

mate change] Agreement and has threatened to dissolve the EPA if he gets into the White House," says one Top 200 engineering firm CEO. He adds that while the World Bank predicts only modest global economic growth of 2.9% in 2016, "it's an improvement" on the 2.4% in 2015. But he adds, "In the U.K., Brexit is a concern, triggering a greater level of caution and even indecision among some client organizations."

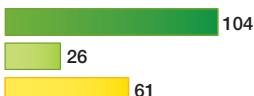
Project delays and cancellations in the oil-and-gas sector likely kept private-sector revenue growth nearly stagnant for the Top 200, up just 0.08% last year, although that sector remains firms' largest client group, accounting for \$24.2 billion in revenue.

Some companies see the power sector, spurred by demand and developing environmental rulemaking, as the new catalyst. "Energy, mining and steel industries are down, but utilities are spending more," says Dean Pisani, CEO of ENTACT LLC. Burns & McDonnell says new U.S. power industry mandates to handle coal combustion residuals will result in substantial added work. "A very significant surge in coal-fired power plant retirements and [residuals] pond closures are generating significant near-term market opportunity," adds Gregg Nickel, senior vice president of Great Lakes Dredge and Dock. "If the regulations stay in place [after the election], we see positive impacts for environmental service providers in the power generation industry."

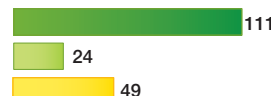
Looking at Global Regions



Environmental Firms Reporting Hiring Changes



Environmental Firms Reporting Backlog Changes



(According to firms reporting)
Source: ENR DATA

Partner Engineering & Science Inc. CEO Joe Derhake says a strengthening commercial real estate sector has boosted refinancing that will create greater demand for his firm's environmental due diligence activity.

But the push to meet environmental infrastructure needs driven by population shifts and changing user demand was clear in government sectors, with firms reporting revenue from state and local work up 3% last year to \$17 billion—32% of the total. Federal work rose 26% to \$12 billion, reversing recent declines. The

PUSH Work on a new water source line in Flint, Mich., was rushed in the wake of its contamination crisis.

water supply crisis in Flint, Mich., that became a national focus began developing last year as details of state and local decisionmaking unfolded. Some estimate the cost to fix the city's leaded-tainted supply lines at up to \$100 million. "Aging infrastructure needs to be addressed and states and municipalities are figuring out funding mechanisms—with or without federal help," says John W. Braccio, CEO of Wright-Pierce. "Environmental regulations will continue to drive the market."

Changing Players

Making its last independent appearance on the list in 2016 is ninth-ranked water-sector giant MWH Global, which was acquired by Canada-based Stantec, No. 18, earlier this year to expand the parent firm's worldwide market reach and add construction management at-risk services for the first time, on water-related projects in the U.S. and the U.K.

AECOM benefitted from market diversity in gaining the No. 1 slot on the Top 200, in its first full year of revenue since the late 2014 acquisition of former list giant URS Corp. That firm's strength in government nuclear and hazardous waste markets propelled AECOM's proportion of federal revenue to 40% in 2015, from 9% on the 2014 pre-acquisition Top 200 list. Senior Vice President Mark Morris says the firm's



The Top Firms by Market Segment

HAZARDOUS WASTE		
Top 20 Revenue: \$9.86 Billion Share of Total Sector Revenue: 69.5%		
2016	2015	\$ MIL.
1	1	CLEAN HARBORS INC. 2,358.0
2	5	AECOM 1,282.8
3	2	VEOLIA NORTH AMERICA 924.4
4	3	ARCADIS NV 602.2
5	4	CH2M 567.5
6	7	NORTHSTAR GROUP SERVICES INC. 554.5
7	6	BECHTEL 529.3
8	8	AMEC FOSTER WHEELER 473.3
9	**	TRADEBE ENVIRON. SERVICES 427.6
10	9	CB&I 352.5
11	11	GHD 303.9
12	10	PARSONS CORP. 242.5
13	**	TETRA TECH INC. 218.9
14	12	NATIONAL RESPONSE CORP. 182.7
15	14	ENV. RESOURCES MANAGEMENT (ERM) 175.9
16	**	CLEAN EARTH INC. 175.4
17	17	ENTACT LLC 166.3
18	**	TRC COS. INC. 162.6
19	18	GEOSYNTEC CONSULTANTS INC. 159.3
20	13	CDM SMITH 157.2

WATER TREAT. / SUPPLY		
Top 20 Revenue: \$9.35 Billion Share of Total Sector Revenue: 80.2%		
2016	2015	\$ MIL.
1	6	BECHTEL 1552.0
2	**	TETRA TECH 1094.5
3	4	SUEZ 868.1
4	3	CH2M 836.0
5	2	AECOM 726.9
6	6	MWH GLOBAL 547.4
7	8	THE WALSH GROUP LTD. 511.7
8	**	AEGION CORP. 476.1
9	7	KIEWIT CORP. 441.2
10	9	GARNEY HOLDING CO. 396.9
11	12	CDM SMITH 391.9
12	18	ARCADIS NV 361.3
13	11	VEOLIA NORTH AMERICA 316.9
14	10	BLACK & VEATCH 292.0
15	13	LAYNE CHRISTENSEN CO. 267.4
16	14	PCL CONSTRUCTION ENTERPRISES 243.8
17	17	STANTEC INC. 168.1
18	15	HDR 143.2
19	**	RICE LAKE CONSTRUCTION GROUP 116.5
20	**	KOKOSING INC. 107.8

WASTEWATER TREATMENT		
Top 20 Revenue: \$5.84 Billion Share of Total Sector Revenue: 67%		
2016	2015	\$ MIL.
1	1	VEOLIA NORTH AMERICA 818.8
2	3	MWH GLOBAL 628.5
3	2	CH2M 625.0
4	6	CDM SMITH 442.3
5	7	BLACK & VEATCH 354.4
6	9	SUEZ 347.3
7	5	AECOM 342.1
8	8	LAYNE CHRISTENSEN CO. 319.7
9	10	THE WALSH GROUP LTD. 287.8
10	20	HDR 219.7
11	15	GARNEY HOLDING CO. 213.7
12	**	LYLES CONSTRUCTION GROUP 211.2
13	11	BROWN AND CALDWELL 177.3
14	14	PC CONSTRUCTION 175.6
15	**	KIEWIT CORP. 160.6
16	**	CAROLLO ENGINEERS INC. 133.4
17	17	CLEAN HARBORS INC. 131.0
18	**	BOWEN 129.3
19	**	HAZEN & SAWYER 126.3
20	**	KOKOSING INC. 121.0

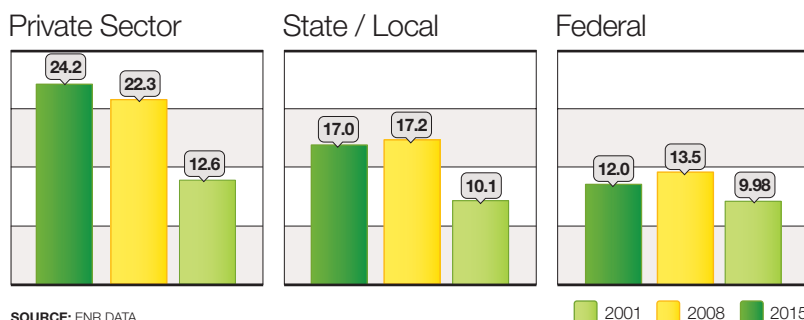
AIR QUALITY		
Top 10 Revenue: \$2.1 Billion Share of Total Sector Revenue: 68.5%		
2016	2015	\$ MIL.
1	1	VEOLIA NORTH AMERICA 528.2
2	2	BECHTEL CORP. 404.8
3	**	AECOM 324.8
4	**	MCCARTHY HOLDINGS INC. 236.6
5	5	ALBERICI/FLINTCO 154.8
6	4	BLACK & VEATCH 121.6
7	7	BARNARD CONSTRUCTION CO. INC. 95.6
8	**	TRINITY CONSULTANTS 86.2
9	**	PARSONS CORP. 83.7
10	**	ENV. RESOURCES MANAGEMNT (ERM) 76.6

NUCLEAR WASTE		
Top 10 Revenue: \$5.47 Billion Share of Total Sector Revenue: 94.6%		
2016	2015	\$ MIL.
1	1	FLUOR CORP. 1,496.7
2	2	CH2M 1,273.4
3	3	BECHTEL CORP. 902.9
4	4	AECOM 726.9
5	**	BATTELLE 711.8
6	**	CB&I 105.2
7	5	NORTHSTAR GROUP SERVICES INC. 97.8
8	**	LOS ALAMOS TECHNICAL ASSOC. INC. 86.0
9	7	PARSONS CORP. 67.3
10	9	PERMA-FIX ENVIRONMENTAL SERVICES 49.9

ENVIRON. MANAGEMENT		
Top 10 Revenue: \$2.22 Billion Share of Total Sector Revenue: 52%		
2016	2015	\$ MIL.
1	1	TETRA TECH INC. 437.8
2	**	CH2M 352.8
3	2	ENV. RESOURCES MANAGEMNT (ERM) 325.2
4	45	ANTEA GROUP 243.6
5	5	ARCADIS NV 214.1
6	6	AECOM 213.8
7	3	GOLDER ASSOCIATES 163.3
8	7	ICF INTERNATIONAL 134.8
9	8	CLEAN HARBORS 131.0
10	**	CB&I 123.3

ENVIRONMENTAL SCIENCE		
Top 10 Revenue: \$2.9 Billion Share of Total Sector Revenue: 61%		
2016	2015	\$ MIL.
1	8	AECOM 559.5
2	2	HDR 458.5
3	1	TETRA TECH INC. 437.8
4	5	ENV. RESOURCES MANAGEMNT (ERM) 332.8
5	6	STANTEC INC. 280.2
6	9	WEEKS MARINE INC. 233.0
7	7	AMEC FOSTER WHEELER 214.6
8	3	GOLDER ASSOCIATES 197.1
9	10	ICF INTERNATIONAL 192.5
10	**	PARSONS CORP. 146.1

Top 200 Environmental Firms' Changing Client Trends (in \$ billions)



SOURCE: ENR DATA

2001 2008 2015

The Top Firms by Type of Client

PRIVATE		
Top 10 Revenue: \$11.82 Billion Share of Total Sector Revenue: 48.9%		
2015	2016	\$ MIL.
1	1	CLEAN HARBORS INC. 2,227.0
2	2	VEOLIA NORTH AMERICA 2,010.0
3	3	BECHTEL CORP. 1,774.7
4	9	AECOM 1,402.4
5	4	TETRA TECH INC. 1,217.3
6	5	CH2M 1,008.5
7	6	ARCADIS NV 923.3
8	8	ENVIR. RESOURCES MANAGEMNT (ERM) 918.1
9	10	AMEC FOSTER WHEELER 597.4
10	**	NORTHSTAR GROUP SERVICES INC. 534.9

STATE / LOCAL		
Top 10 Revenue: \$7.53 Billion Share of Total Sector Revenue: 44.2%		
2016	2015	\$ MIL.
1	2	AECOM 1,325.6
2	3	SUEZ 1,165.8
3	1	CH2M 1,165.8
4	4	MWH GLOBAL 810.9
5	5	THE WALSH GROUP LTD. 759.5
6	6	CDM SMITH 686.1
7	7	VEOLIA NORTH AMERICA 604.8
8	8	GARNEY HOLDING CO. 549.6
9	**	TETRA TECH INC. 547.3
10	9	AEGION CORP. 471.3

FEDERAL		
Top 10 Revenue: \$8.55 Billion Share of Total Sector Revenue: 70.9%		
2016	2015	\$ MIL.
1	4	CH2M 1,748.6
2	1	AECOM 1,710.4
3	3	FLUOR CORP. 1,496.7
4	2	BECHTEL 1,338.8
5	**	BATTELLE 887.5
6	5	TETRA TECH INC. 525.4
7	8	KIEWIT CORP. 301.9
8	**	CB&I 282.8
9	6	AMEC FOSTER WHEELER 258.7
10	7	CDM SMITH 220.7

The Top Firms by Type of Work

CONSTRUCT / REMEDIATION		
Top 10 Revenue: \$7.38 Billion Share of Total Sector Revenue: 42.7%		
2016	2015	\$ MIL.
1	1	BECHTEL 1,619.0
2	2	FLUOR CORP. 1,225.8
3	3	AECOM 1,124.6
4	4	KIEWIT CORP. 649.2
5	6	THE WALSH GROUP LTD. 639.6
6	5	LAYNE CHRISTENSEN CO. 594.3
7	7	GARNEY HOLDING CO. 549.6
8	8	NORTHSTAR GROUP SERVICES INC. 502.3
9	**	AEGION CORP. 476.1
10	10	AMEC FOSTER WHEELER 432.3

ENGINEERING / DESIGN		
Top 10 Revenue: \$5.92 Billion Share of Total Sector Revenue: 59.4%		
2016	2015	\$ MIL.
1	2	CH2M 1,261.6
2	3	BECHTEL 871.8
3	4	MWH GLOBAL 835.0
4	1	AECOM 761.1
5	6	TETRA TECH INC. 547.3
6	5	ARCADIS NV 488.4
7	9	CDM SMITH 387.9
8	8	BLACK & VEATCH 384.8
9	**	HDR 382.1
10	10	RAMBOLL ENVIRON INC. 375.1

CONSULTING / STUDIES		
Top 10 Revenue: \$7.42 Billion Share of Total Sector Revenue: 60%		
2016	2015	\$ MIL.
1	2	CH2M 1,817.6
2	1	TETRA TECH INC. 1,532.3
3	3	AECOM 1,488.0
4	4	ENV. RESOURCES MANAGEMNT (ERM) 633.5
5	5	ARCADIS NV 499.1
6	6	AMEC FOSTER WHEELER 449.1
7	8	ICF INTERNATIONAL 385.0
8	**	HDR 334.3
9	5	GOLDER ASSOCIATES 281.5
10	9	STANTEC INC. 259.2

CM / PM		
Top 10 Revenue: \$3.23 Billion Share of Total Sector Revenue: 59.3%		
2016	2015	\$ MIL.
1	1	CH2M 755.4
2	**	BECHTEL 622.7
3	**	AECOM 564.4
4	**	CLEAN HARBORS 262.0
5	3	VEOLIA NORTH AMERICA 256.2
6	4	CDM SMITH 216.6
7	**	BATTELLE 208.3
8	**	CB&I 176.2
9	6	LOUIS BERGER 165.1
10	7	THE WALSH GROUP LTD. 159.9

added scale and resources have “allowed AECOM to quickly ramp up” for site investigation and remediation work.

Hazardous waste remediation and management remains the largest single sector for Top 200 revenue—accounting

for 26% of the total, and up 1% over last year. List newcomer Tradebe Environmental Services, a Spain-based waste-management and technology firm now moving into new global markets added significantly to that sector (see story, p.

66). Abatement and remediation firm Northstar Group Services also nudged up the list, with the full impact last year of its late 2014 purchase of sector specialist WRS. Other new entrants among the list’s Top 50 are water-wastewater treatment plant contractor Kokosing Inc. and federal nuclear-sector research and technology developer Battelle, which returns after several years.

Top 200 revenue in the nuclear waste cleanup and management sector rose 35% as work continued at federal sites and in nuclear powerplant decommissioning. Fluor Corp, CH2M, Bechtel and AECOM maintained their top four rankings in that niche. Los Alamos Technical Associates, this year ranked at No. 8 among the top 10 sector firms. The cleanup contractor for the U.S. Energy Dept.’s former gaseous diffusion plant in Paducah, Ky., it completed demolition of the last of 32 inactive facilities at the complex as it returned to the government after commercial uranium enrichment operations stopped. Michael Kennicott, the firm’s chief operating officer, sees an improved nuclear waste market ahead, noting several new federal opportunities set for release in the next 12 months, “with impact for the next five to 10 years.”

Added Liquidity

Comprising 38% of total Top 200 revenue, water and wastewater treatment and supply markets gained new momentum in 2015 for designers, builders and

The Top 30 All-Environmental Firms

FIRMS REPORTING 100% OF TOTAL GROSS REVENUE IN ENVIRONMENTAL SERVICES

RANK 2016	2015		REVENUE \$ MIL.	RANK 2016	2015		REVENUE \$ MIL.	RANK 2016	2015		REVENUE \$ MIL.
1	1	VEOLIA NORTH AMERICA	2,641.2	11	13	ENTACT LLC	166.3	21	26	SWCA ENVIR. CONSULTANTS	90.5
2	2	SUEZ	1,240.2	12	12	SCS ENGINEERS	158.1	22	22	MAX FOOTE CONSTRUCTION CO. INC.	87.6
3	3	ENV. RESOURCES MANAGMNT (ERM)	945.5	13	9	SEVENSON ENVIRON. SERVICES	139.3	23	20	ANCHOR QEA LLC.	87.0
4	5	NORTHSTAR GROUP SERVICES INC.	652.3	14	15	APEX COS. LLC	139.0	24	17	GROUNDWATER & ENV. SERVICES	85.0
5	4	GARNEY HOLDING CO.	610.7	15	8	ULLIMAN SCHUTTE CONSTRUCTION	133.1	25	**	KENNEDY/JENKS CONSULTANTS	84.1
6	6	BROWN AND CALDWELL	341.0	16	**	ECOLOGY AND ENVIRONMENT INC.	126.7	26	29	ROUX ASSOCIATES INC.	80.3
7	10	CAROLLO ENGINEERS INC.	211.7	17	**	TRINITY CONSULTANTS	112.0	27	**	ENVIROBUSINESS CONSULTING INC.	78.3
8	7	NATIONAL RESPONSE CORP.	203.0	18	**	PAL ENVIRONMENTAL SAFETY CORP.	104.4	28	27	GREELEY AND HANSEN LLC	75.6
9	11	HAZEN AND SAWYER	183.1	19	25	USA ENVIRONMENT LP	104.0	29	18	C.H. NICKERSON & CO. INC.	74.2
10	**	CLEAN EARTH INC.	175.4	20	19	ENVIRONMENTAL RESTORATION LLC	93.1	30	21	J.R. FILANC CONSTRUCTION CO. INC.	69.7

The Top 20 Firms Working in Non-U.S. Locations

RANK 2016	2015		REVENUE \$ MIL.	RANK 2016	2015		REVENUE \$ MIL.
1	1	BECHTEL	1,681.3	11	15	FLUOR CORP	361.3
2	2	CH2M	1,507.0	12	**	TRADEBE ENVIRONMENTAL SERVICES	323.8
3	3	TETRA TECH INC.	875.6	13	10	STANTEC INC.	322.2
4	7	MWH GLOBAL	727.3	14	13	AMEC FOSTER WHEELER	315.5
5	6	CLEAN HARBORS INC.	550.2	15	11	BLACK & VEATCH	315.2
6	8	VEOLIA NORTH AMERICA	462.2	16	14	ANTEA GROUP	300.5
7	9	ENVIRONMENTAL RESOURCES MANAGEMENT INC. (ERM)	449.1	17	**	RAMBOLL ENVIRON	262.1
8	5	GOLDER ASSOCIATES	433.5	18	19	GHD	241.6
9	12	AECADIS NV	413.5	19	**	WORLEYPARSONS	232.8
10	17	WSP/PARSONS BRINCKERHOFF	364.0	20	**	CDM SMITH	143.1

others on the list. “Water deficiencies continue, whether it’s driven by drought or increasing demographics,” says Marshall Davert, MWH Global president of government and infrastructure for the Americas and Asia. “That’s driving water supply portfolio planning.”

Sector work is set to pick up in Canada, with the infusion of funding into infrastructure by the new Trudeau government to bolster oil-and-gas revenue declines, and by municipal and federal embrace of public-private partnership project delivery. Canada has “a standard value-for-money conversation that evaluates whether P3s make sense,” says Michael Orth, executive vice president at Black & Veatch. While he sees similar potential in the U.S., “for some reason, there’s more of a control issue around water and wastewater assets that hasn’t embraced [P3], as you’ve seen in schools, roadways and judicial systems. I don’t have the reason why that is. But we are seeing some movement.”

Jean-Louis Chaussade, CEO of France-based global water infrastructure management firm Suez, was bullish on global opportunity in a briefing to analysts last month. “In China, our growth is speeding up. Environmental worries are at the heart of the Chinese government’s development policies,”

10.7%

Drop in Top 200 non-US revenue in 2015

54

Number of firms that see little or no change in markets in next 12 months

32%

Amount of revenue total from construction and/or remediation

he said. He added that the firm is “preferred bidder” to operate the Carlsbad desalination plant in California, which was completed last fall and is the largest in the western hemisphere. Chaussade said investment in the firm’s regulated water business in the U.S. has increased by 12% in the first half of the year compared to the same period in 2015.

Peter Nichol, president of CH2M’s water business, sees opportunity in more advanced treatment and recovery technology. “Where does wastewater treatment start versus water treatment?” he says. “We’re building factories today and our output is water. We continue to see opportunities for reuse, as the incoming quality that people are dealing with erodes. You can treat wastewater to fairly high degrees now, so a couple more steps isn’t a big leap.”

Although the speed of municipal project movement varies in the U.S., some Top 200 firms still see a less competitively pressured water and wastewater sector. “In the U.S., our markets are very good, resulting in less competition for each project and allowing for higher margins,” says Ron Davoli, CEO of contractor Wharton-Smith, who also sees pickup in Caribbean markets that have been “dormant” for several years.

While continuing fallout from the Flint crisis has

resulted in criminal proceedings against Top 200 firm Veolia North America and other companies and engineers linked to the city's system, some see a possible silver lining. "The Flint problem is not that difficult. It's aquatic chemistry we all take in college," says MWH's Davert. "It has sensitized the public to ask the question: 'Is our water safe?' The good news is that we have an answer."

Experts predict more attention to management of data for improved environmental compliance and capital investment. "The ability to gather more information in real time [with new databases and software helps with real-time control]," says Davert. "We're doing quite a bit about how to use big data to be smart on the capital spend." Industry publication Environmental Business Journal says the U.S. environmental information systems and services sector which generated \$1.75 billion in 2015 revenue, "will grow faster in 2016 than in any previous year." Neno Duplan, CEO of cloud-based environmental data management firm Locus Technologies, says "a confluence of climate change, clean water shortage and desire to lower operating expenses will drive the market to new highs."

On Aug. 8, Arcadis North America released its first "water index" of 50 global cities, which measures how well they are managing water as a sustainable urban asset. The consultancy says no U.S. cities placed in the top 10 in managing water resiliency issues that can affect economic development. According to its findings, Los Angeles ranks near the bottom of the list because of its susceptibility to drought, earthquakes and storms. "Cities that carefully and creatively use their water assets for strategic urban advantage will ultimately be more livable, safe and competitive," says Michael MacPhee, president of the firm's water business. "Continuing to grow [a country's] GDP is dependent on water," adds Orth. "The solutions are there, and firms can play a key role in the conversation." ■

Top 200 Company Closeup | By Bruce Buckley, with Debra K. Rubin

Waste Fires Up Spain's Tradebe



With worldwide sales in hazardous waste recycling and management passing the half-billion-dollar mark last year and two-thirds beyond national borders, Barcelona-based Tradebe Environmental Services is emerging as a key global player after three decades in business. Reporting \$517.5 million in total 2015 revenue, it debuts on the Top 200 list at **No. 27**.

Through aggressive acquisition, Tradebe (pronounced TRA-DEB-E) now has operations—from waste treatment and remediation to emergency response—in Europe, the Middle East, South America and the U.S. CEO and key shareholder Josep Creixall was termed in a Spanish media report as "one of the stars" of a 2014 regional government mission to Brazil. The firm won a five-year contract there from Camargo Correa group to supply fuel from cement plant wastes. Tradebe touts its recycling technology, using green processes on 60% of treated waste. In the U.S., the firm says its patented Solids Distillation System (pictured)—doubled in size in February at an Indiana treatment site—uniquely extracts organics from hazardous waste solids to produce 2.7 million gal annually of reusable solvents. The firm banks heavily on oil-and-gas and petrochemical clients, landing Conoco Philips among its first U.S. contracts. Tradebe says it grew 10.5% last year despite the oil-price crash, with 72 global treatment facilities and about 2,100 employees. "The last few years have seen the diversification and consolidation of our business," said Creixall in the 2013-14 annual report.

How To Read the Top 200 List

Firms are ranked based on the % of 2015 gross revenue for environmental services. Figures are in \$ millions; percents are rounded and may not add up to 100. A company update is marked by number in red, with a detailed footnote on the side of each list page. The list of firm subsidiary names is online at www.enr.com. Two asterisks (**) indicates firms not ranked on the 2015 Top 200 list. An alphabetical listing of firms can be found on p. 72.

Hazardous/Solid Waste Chemical and industrial waste cleanup, management and/or disposal; asbestos and lead abatement; non-hazardous waste landfill and recycling facilities

Nuclear Waste Nuclear or radioactive materials remediation, storage or disposal.

Air Facility air-pollutant emissions; permitting and energy efficiency.

Water Municipal or industrial water-

system supply and treatment.

Wastewater Treatment Municipal or industrial wastewater or stormwater sewers and treatment systems.

Environmental Management Compliance, due diligence, audits and environmental information technology.

Environmental Sciences Planning, EIS/EIRs, natural resources, wetlands, modeling

Other Environmental markets not included in the above category descriptions.

Clients: Work for these types of owners is shown as a % of environmental revenue:

Private corporations, utilities or other.

Federal U.S. agencies, military services or foreign governments.

State, county or municipal government entities.

Type of Firms: Based on the largest % of environmental revenue in categories described below. Multiple listings appear if the largest % is evenly split between two or more categories or within 5% of each other.

DES Engineering and/or design; **CSL** Consulting and/or studies; **CON** Construction, contracting and/or remediation; **CM-PM** Construction management and/or program management; **EQP** Equipment or device manufacture; **OPS** Contract operations; **R&D** Technology and/or research and development; **OTH** Services not already designated.

RANK 20162015			2015 ENVIRONMENTAL REVENUE				MARKETS (% OF ENVIRONMENTAL REVENUE)										CLIENTS (% OF ENV. REV.)	
			TOTAL (IN \$ MIL.)	% OF ALL FIRM REV.	% OF NON- U.S.	TYPE OF WORK LARGEST % OF ENV. REVENUE	HAZARDOUS WASTE	NUCLEAR WASTE	AIR	WATER	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	FEDERAL	STATE/LOCAL	PRIVATE	
1	2	AECOM, Los Angeles, Calif.	4,276.0	24	28	CSL	30	17	9	17	8	5	13	1	40	31	29	
2	1	CH2M, Englewood, Colo.	3,834.7	64	39	CSL	15	33	2	22	16	9	3	0	46	28	26	
3	3	BECHTEL, San Francisco, Calif.	3,113.5	10	54	CON	17	29	13	37	2	0	0	2	43	0	57	
4	4	VEOLIA NORTH AMERICA, Boston, Mass.	2,641.2	100	18	OTH/OPS	35	0	20	12	31	2	0	0	1	23	76	
5	5	CLEAN HARBORS INC., Norwell, Mass. ¹	2,620.0	80	21	OTH	90	0	0	0	5	5	0	0	5	10	85	
6	6	TETRA TECH INC., Pasadena, Calif.	2,189.0	96	40	CSL	10	0	0	50	0	20	20	0	24	25	51	
7	8	FLUOR CORP., Irving, Texas	1,530.4	8	24	CON	0	98	2	0	0	0	0	0	98	0	2	
8	7	ARCADIS NV, Amsterdam, Holland	1,338.2	35	31	CSL/DES	45	0	0	27	6	16	6	0	9	22	69	
9	9	MWH GLOBAL, Broomfield, Colo. ²	1,267.1	96	57	DES	0	0	2	43	50	4	1	0	6	64	30	
10	10	SUEZ, Paramus, N.J.	1,240.2	100	6	OPS	2	0	0	70	28	0	0	0	0	94	6	
11	11	AMEC FOSTER WHEELER, Alpharetta, Ga.	1,051.7	13	30	CSL/CON	45	2	3	4	2	4	20	20	25	19	57	
12	13	CDM SMITH, Boston, Mass.	1,007.5	79	14	DES	16	0	2	39	44	0	0	0	22	68	10	
13	16	HDR, Omaha, Neb.	955.2	45	11	DES/CSL	8	0	4	15	23	2	48	0	15	44	41	
14	15	ENV. RESOURCES MANAGEMENT INC. (ERM), London, England, U.K.	945.5	100	48	CSL	19	0	8	0	4	34	35	0	2	1	97	
15	**	BATTELLE, Columbus, Ohio	905.6	18	0	R&D	5	79	0	0	1	1	14	0	98	1	2	
16	14	BLACK & VEATCH, Overland Park, Kan.	800.0	27	39	DES	3	0	15	37	44	1	0	0	3	50	47	
17	19	THE WALSH GROUP LTD., Chicago, Ill.	799.5	16	4	CON	0	0	0	64	36	0	0	0	5	95	0	
18	18	STANTEC INC., Edmonton, Alberta, Canada	700.5	31	46	DES	20	0	1	24	10	2	40	3	8	25	67	
19	17	CB&I, The Woodlands, Texas	670.1	5	4	CON	53	16	6	0	0	18	7	0	42	17	41	
20	21	KIEWIT CORP., Omaha, Neb.	666.5	7	0	CON	0	0	10	66	24	0	0	0	45	30	25	
21	24	NORTHSTAR GROUP SERVICES INC., New York, N.Y.	652.3	100	10	CON	85	15	0	0	0	0	0	0	13	5	82	
22	22	GARNEY HOLDING CO., Kansas City, Mo.	610.7	100	0	CON	0	0	0	65	35	0	0	0	0	90	10	
23	20	PARSONS CORP., Pasadena, Calif.	606.3	17	14	DES	40	11	14	6	2	3	24	0	29	44	27	
24	23	LAYNE CHRISTENSEN CO., The Woodlands, Texas	594.3	87	0	CON	0	0	0	45	54	1	0	0	0	38	61	
25	12	GOLDER ASSOCIATES, Mississauga, Ontario, Canada	563.0	59	77	CSL	10	1	11	8	5	29	35	1	7	1	92	
26	26	GHD, Sydney, NSW, Australia	506.4	40	48	CON/CSL	60	0	2	2	8	20	8	0	5	15	80	
27	**	TRADEBE ENVIRONMENTAL SERVICES, Barcelona, Spain	506.0	97	64	OPS	85	0	0	0	4	1	2	9	2	3	95	
28	25	AEGION CORP., St. Louis, Mo.	476.1	35	27	CON	0	0	0	100	0	0	0	0	1	99	0	
29	27	RAMBOLL ENVIRON INC., Copenhagen, Denmark	468.8	29	56	DES	25	0	14	2	19	19	10	11	20	5	75	
30	40	WSP PARSONS BRINCKERHOFF, Montreal, Quebec, Canada	404.4	7	90	CON/CSL	15	0	5	25	20	10	25	0	9	15	76	
31	29	ICF INTERNATIONAL, Fairfax, Va. ³	385.0	34	NA	CSL	0	0	0	0	5	35	50	10	NA	NA	NA	
32	28	ANTEA GROUP, Almere, Holland	384.3	15	78	CSL/CON	17	1	1	6	3	63	2	7	12	25	62	
33	31	BROWN AND CALDWELL, Walnut Creek, Calif.	341.0	100	0	CSL	14	0	0	20	52	14	0	0	4	67	29	
34	30	MCCARTHY HOLDINGS INC., St. Louis, Mo.	338.0	12	0	DES	0	3	70	23	4	0	0	0	0	50	50	
35	37	WEEKS MARINE INC., Cranford, N.J.	330.0	45	25	CON	4	0	0	16	9	0	71	0	23	76	1	
36	34	PCL CONSTRUCTION ENTERPRISES INC., Denver, Colo.	320.4	5	37	CON	0	0	0	76	24	0	0	0	1	99	1	
37	33	LOUIS BERGER, Morristown, N.J.	313.9	32	45	CM-PM	36	0	0	31	10	12	11	0	50	30	20	
38	38	TRC COS. INC., Lowell, Mass.	309.1	54	1	CSL	53	0	12	0	0	28	7	0	2	14	84	
39	39	BARNARD CONSTRUCTION CO. INC., Bozeman, Mont.	302.5	59	38	CON	0	0	32	15	0	0	0	53	1	45	54	
40	36	LEIDOS, Reston, Va.	280.3	6	1	CSL	33	8	26	0	0	12	10	12	58	17	25	
41	66	WORLEYPARSONS, Sydney, NSW, Australia	261.5	4	89	CSL	32	0	0	7	2	37	22	0	2	7	91	
42	48	PC CONSTRUCTION CO., South Burlington, Vt.	250.9	50	0	CON	0	0	0	30	70	0	0	0	5	95	0	
43	47	GEOSYNTEC CONSULTANTS INC., Atlanta, Ga.	241.4	88	14	CSL/DES	66	6	3	4	10	7	4	0	9	9	82	
44	62	LYLES CONSTRUCTION GROUP, Fresno, Calif.	236.0	88	0	CON	0	0	0	11	90	0	0	0	0	99	1	
45	**	KOKOSING INC., Westerville, Ohio	228.8	22	0	CON	0	0	0	47	53	0	0	0	0	92	8	
46	42	BOWEN, Indianapolis, Ind.	217.7	98	0	CON	0	0	31	10	59	0	0	0	0	10	90	
47	41	ALBERICI/FLINTCO, St. Louis, Mo.	216.2	10	26	CON	0	0	72	15	14	0	0	0	0	14	86	
48	52	CAROLLO ENGINEERS INC., Walnut Creek, Calif.	211.7	100	0	DES	0	0	0	37	63	0	0	0	1	95	4	
49	46	NATIONAL RESPONSE CORP., Great River, N.Y.	203.0	100	25	OPS	90	0	0	0	0	5	5	0	5	20	75	
50	50	BURNS & MCDONNELL, Kansas City, Mo.	193.6	7	5	DES	45	2	6	13	30	4	0	0	2	43	55	

NOTES: 1. TYPE OF WORK OTHER FIRM REPORTS MOST DESIGN IN HAZARDOUS WASTE TRANSPORTATION AND DISPOSAL. ENVIRONMENTAL CLEANING AND EMERGENCY RESPONSE. 2.

FOOTNOTES: 1 TYPE OF WORK OTH FIRM REPORTS MOST REVENUE IN HAZARDOUS WASTE TRANSPORTATION AND DISPOSAL. ENVIRONMENTAL CLEANING AND EMERGENCY RESPONSE 2
MWH GLOBAL WAS ACQUIRED IN 2016 BY STANTEC, ALSO RANKED ON THE TOP 200 LIST; 3 FIRM DECLINES TO REPORT REVENUE DATA FOR CLIENT SECTORS OR FOR GLOBAL LOCATIONS

RANK 2016			2015 ENVIRONMENTAL REVENUE				TYPE OF WORK LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE)										CLIENTS (% OF ENV. REV.)	
			TOTAL (IN \$ MIL.)	% OF ALL FIRM REV.	% OF NON- U.S.	HAZARDOUS WASTE		NUCLEAR WASTE	AIR	WATER	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	FEDERAL	STATE/LOCAL	PRIVATE		
51	44	WESTON SOLUTIONS INC., West Chester, Pa.	191.9	72	0	CSL	77	1	5	5	2	7	3	0	60	12	28		
52	53	HAZEN AND SAWYER, New York, N.Y.	183.1	100	3	DES	0	0	0	31	69	0	0	0	0	98	2		
53	45	GREAT LAKES DREDGE & DOCK, Oak Brook, Ill.	181.7	60	0	CON	60	0	0	0	0	0	0	40	4	9	87		
54	54	CLEAN EARTH INC., Hatboro, Pa.	175.4	100	0	CON	100	0	0	0	0	0	0	0	8	37	55		
55	57	ENTACT LLC, Westmont, Ill.	166.3	100	0	CON	100	0	0	0	0	0	0	0	0	0	100		
56	113	BUREAU VERITAS, Fort Lauderdale, Fla.	164.0	40	0	CSL	17	0	11	2	5	65	0	0	4	5	91		
57	64	RICE LAKE CONSTRUCTION GROUP, Deerwood, Minn.	161.8	74	18	CON	0	0	0	72	28	0	0	0	0	96	4		
58	56	SCS ENGINEERS, Long Beach, Calif.	158.1	100	3	CSL	96	0	0	0	0	4	0	0	1	35	64		
59	61	TERRACON CONSULTANTS INC., Olathe, Kan.	157.0	29	0	CSL	67	0	1	1	1	22	8	0	2	13	85		
60	55	WOODARD & CURRAN, Portland, Maine	148.2	92	0	OPS/CSL/DES	16	0	2	14	38	26	0	4	0	44	56		
61	60	OBG, Syracuse, N.Y. ⁴	148.0	78	1	CSL/CM-PM	51	0	5	10	25	8	1	0	3	26	71		
62	59	WHARTON-SMITH INC., Sanford, Fla.	140.7	63	0	CON	0	0	0	29	71	0	0	0	6	87	7		
63	51	SEVENSON ENVIRONMENTAL SERVICES INC., Niagara Falls, N.Y.	139.3	100	0	CON	100	0	0	0	0	0	0	0	41	5	54		
64	67	MICHAEL BAKER INTERNATIONAL, Pittsburgh, Pa.	135.4	27	0	CSL	5	0	0	58	12	0	25	0	46	44	10		
65	68	APEX COS. LLC, Rockville, Md.	134.6	100	0	CM-PM/CON/CSL	26	0	1	2	31	20	20	0	1	12	87		
66	49	ULLIMAN SCHUTTE CONSTRUCTION LLC, Miamisburg, Ohio	133.1	100	0	CON	0	0	0	15	85	0	0	0	7	93	0		
67	71	ECOLOGY AND ENVIRONMENT INC., Lancaster, N.Y.	126.7	100	32	CSL/DES	31	1	2	1	3	32	31	0	32	27	41		
68	43	KLEINFELDER, San Diego, Calif.	125.7	36	29	CM-PM	75	0	0	0	0	11	14	0	5	12	83		
69	72	SNC-LAVALIN INC., Montreal, Quebec, Canada	124.4	2	99	CSL	1	0	3	6	0	3	87	0	10	25	65		
70	79	LOS ALAMOS TECHNICAL ASSOCIATES INC., Albuquerque, N.M.	123.3	92	0	CON	28	70	0	0	1	1	1	0	98	2	0		
71	75	EA ENGINEERING, SCIENCE, AND TECHNOLOGY INC., Hunt Valley, Md.	122.3	85	0	CSL/DES	52	1	1	2	6	17	21	0	61	23	16		
72	**	C. OVERAA & CO., Richmond, Va.	121.6	49	0	CON	0	0	0	53	47	0	0	0	0	100	0		
73	63	REMEDIAL CONSTRUCTION SERVICES L.P., Houston, Texas	114.6	83	29	CON	0	0	0	0	0	0	0	100	0	0	100		
74	112	ECC, Burlingame, Calif.	114.4	37	15	CON	72	0	0	22	5	2	0	0	77	0	23		
75	**	ATC GROUP SERVICES LLC, Lafayette, La.	112.7	65	0	CON	23	0	6	1	0	69	0	2	1	19	80		
76	65	PEPPER CONSTRUCTION GROUP, Chicago, Ill.	112.3	10	0	CM-PM	6	0	0	38	56	0	0	0	0	94	6		
77	78	TRINITY CONSULTANTS, Dallas, Texas	112.0	100	6	CSL	0	0	77	0	2	16	0	5	1	2	97		
78	77	GILBANE BUILDING CO., Providence, R.I.	109.3	2	19	CON	35	15	2	40	0	3	5	0	76	13	11		
79	70	ATKINS NORTH AMERICA, Tampa, Fla.	106.7	18	2	CSL	4	1	1	11	12	31	40	0	23	43	34		
80	189	SUKUT CONSTRUCTION INC., Santa Ana, Calif.	104.7	38	0	CON	95	0	0	0	5	0	0	0	0	87	13		
81	**	PAL ENVIRONMENTAL SAFETY CORP., Long Island City, N.Y.	104.4	100	0	CON	100	0	0	0	0	0	0	0	0	20	80		
82	93	USA ENVIRONMENT LP, Deer Park, Texas	104.0	100	0	CON	91	9	0	0	0	0	0	0	1	2	97		
83	76	HALEY & ALDRICH INC., Burlington, Mass.	100.5	70	0	CSL	65	3	5	3	5	15	4	0	1	1	98		
84	87	CASCADE ENVIRONMENTAL LLC, Woodinville, Wash.	97.2	64	2	CSL	83	0	0	8	0	9	0	0	21	3	76		
85	97	LANGAN ENG. AND ENV. SERVICES INC., Parsippany, N.J.	97.0	42	0	DES/CSL	50	0	2	2	6	20	20	0	1	2	97		
86	82	ENVIRONMENTAL RESTORATION, St. Louis, Mo.	93.1	100	0	CON	100	0	0	0	0	0	0	0	68	4	28		
87	94	SWCA ENVIRONMENTAL CONSULTANTS, Phoenix, Ariz.	90.5	100	0	CSL	0	0	1	6	0	46	47	0	7	13	80		
88	86	MAX FOOTE CONSTRUCTION CO. LLC, Mandeville, La.	87.6	100	0	CON	0	0	0	17	84	0	0	0	0	95	5		
89	83	ANCHOR QEA LLC, Seattle, Wash.	87.0	100	6	CSL	0	0	0	0	0	0	36	64	7	29	64		
90	88	HYDROGEOLOGIC INC., Reston, Va.	87.0	99	1	CON	61	0	0	0	12	2	8	17	99	1	0		
91	90	CIVIL & ENVIRONMENTAL CONSULTANTS INC., Pittsburgh, Pa.	85.2	71	1	DES	31	0	12	7	24	19	7	0	0	5	95		
92	80	GROUNDWATER & ENV. SERVICES INC., Wall Township, N.J.	85.0	100	3	CON	25	2	2	8	21	37	5	0	4	6	90		
93	98	KENNEDY/JENKS CONSULTANTS INC., San Francisco, Calif.	84.1	100	0	DES	15	0	1	30	42	2	10	0	1	70	29		
94	109	NORTH WIND GROUP, Idaho Falls, Idaho	82.7	89	0	CON	60	20	0	0	0	7	12	0	94	2	5		
95	104	ROUX ASSOCIATES INC., Islandia, N.Y.	80.3	100	1	CSL	70	0	0	0	5	5	5	15	0	3	97		
96	91	GZA, Norwood, Mass.	79.6	66	1	CSL	35	0	5	2	2	13	39	5	0	8	92		
97	95	SHOOK CONSTRUCTION CO., Dayton, Ohio	78.7	36	0	CON	0	0	0	100	0	0	0	0	0	100	0		
98	**	ENVIROBUSINESS CONSULTING INC., Burlington, Mass.	78.3	100	0	CSL	13	0	1	1	0	81	4	0	3	3	94		
99	85	HATCH GROUP, Mississauga, Ontario, Canada	77.8	6	71	DES	0	0	9	15	26	39	11	0	0	34	66		
100	89	CROWDER CONSTRUCTORS INC., Charlotte, N.C.	76.2	32	0	CON	0	0	0	8	92	0	0	0	0	100	0		

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			TOTAL (IN \$ MIL.)	% OF ALL FIRM REV.	% OF NON- U.S.		HAZARDOUS WASTE	NUCLEAR WASTE	AIR	WATER	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	FEDERAL	STATE/LOCAL	PRIVATE
101	101	GREELEY AND HANSEN LLC, Chicago, Ill.	75.6	100	2	DES	0	0	0	15	85	0	0	0	0	95	5
102	58	ALLAN MYERS, Worcester, Pa.	75.2	11	0	CON	0	0	0	31	69	0	0	0	0	70	30
103	81	C.H. NICKERSON & CO. INC., Torrington, Conn.	74.2	100	0	CON	0	0	0	11	89	0	0	0	0	96	4
104	103	ENERCON SERVICES INC., Kennesaw, Ga.	73.5	25	0	CSL/DES/CON	17	6	7	0	0	29	41	0	21	7	72
105	108	THE CADMUS GROUP, Waltham, Mass.	72.5	90	1	CSL	0	0	0	40	0	0	0	60	25	10	65
106	84	J.R. FILANC CONSTRUCTION CO. INC., Escondido, Calif.	69.7	100	0	CON	0	0	0	43	49	0	0	8	21	78	0
107	130	NAVARRO RESEARCH AND ENGINEERING INC., Oak Ridge, Tenn.	69.4	75	0	CON	12	60	5	1	2	10	10	0	100	0	0
108	119	DUDEK, Encinitas, Calif.	68.7	100	0	CSL	8	0	5	9	10	23	45	0	0	41	59
109	92	ENVIRONMENTAL QUALITY MANAGEMENT INC., Cincinnati, Ohio	68.4	100	0	CON	70	0	15	0	5	10	0	0	80	5	15
110	142	CHARTER CONTRACTING CO. LLC, Boston, Mass.	68.0	100	0	CON	20	0	0	0	0	0	0	80	30	10	60
111	120	ENVIRONMENTAL SCIENCE ASSOCIATES, San Francisco, Calif.	67.4	100	0	CSL	0	0	1	1	2	3	93	0	3	58	39
112	115	TRIHEDRO CORP, Laramie, Wyo.	66.3	94	0	CSL	50	0	19	8	5	10	8	0	8	6	86
113	117	JUDY CONSTRUCTION CO., Cynthiana, Ky.	65.3	97	0	CON	0	0	0	31	69	0	0	0	0	100	0
114	134	AKRF INC., New York, N.Y.	64.8	100	0	CSL	20	0	5	5	10	10	50	0	0	60	40
115	111	GANNETT FLEMING, Camp Hill, Pa.	64.1	17	2	DES	15	0	0	56	19	2	8	0	10	50	40
116	153	M.B. KAHN CONSTRUCTION CO. INC., Columbia, Mass.	64.0	20	0	CON	0	4	0	80	16	0	0	0	0	79	21
117	116	WESTON & SAMPSON, Peabody, Mass.	62.6	94	0	DES	13	0	0	21	41	7	4	16	1	83	17
118	124	PERMA-FIX ENVIRONMENTAL, Atlanta, Ga.	62.4	100	2	OPS	15	80	0	0	0	5	0	0	65	2	34
119	127	GEI CONSULTANTS INC., Woburn, Mass.	60.7	42	0	CON/CSL/DES	69	0	1	4	1	17	6	4	1	7	92
120	133	HEPACO LLC, Charlotte, N.C.	60.4	100	0	OTH/CON	98	0	0	2	0	0	0	0	0	1	99
121	100	BRASFIELD & GORRIE LLC, Birmingham, Ala.	60.3	3	0	CON	0	0	0	83	17	0	0	0	0	89	11
122	121	BARR ENGINEERING CO., Minneapolis, Minn.	58.6	42	1	CSL	15	0	11	2	4	46	21	1	0	17	83
123	96	CROSSLAND HEAVY CONTRACTORS INC., Columbus, Kan.	56.7	67	0	OPS	0	0	0	62	38	0	0	0	0	100	0
124	131	ENSAFE INC, Memphis, Tenn.	56.2	99	1	CSL	16	0	3	0	2	71	4	5	13	28	59
125	114	HASKELL, Jacksonville, Fla.	56.0	10	0	CON	0	0	0	12	88	0	0	0	0	90	10
126	129	ESG OPERATIONS INC., Macon, Ga.	54.9	100	0	OPS	0	0	0	40	40	20	0	0	0	92	8
127	123	CAPE ENVIRONMENTAL MANAGEMENT INC., Norcross, Ga.	52.8	55	0	CON	81	0	0	4	5	9	0	0	85	5	10
128	144	PARTNER ENGINEERING AND SCIENCE INC., Torrance, Calif.	52.7	45	1	CSL	5	0	7	0	0	88	0	0	5	5	90
129	105	GSE CONSTRUCTION CO. INC., Livermore, Calif.	51.0	97	0	CON	0	0	0	47	53	0	0	0	0	82	18
130	141	INTERTEK-PSI, Oakbrook Terrace, Ill. ⁵	50.5	5	0	CSL	45	0	0	0	0	45	10	0	5	15	80
131	159	ENGINEERING/REMEDIATION RESOURCES GROUP INC., Martinez, Calif.	50.5	100	0	CON	85	0	0	0	10	5	0	0	63	17	20
132	126	PORTAGE INC., Idaho Falls, Idaho	50.2	100	0	CON	0	85	0	0	0	15	0	0	100	0	0
133	139	KCI TECHNOLOGIES INC., Sparks, Md.	48.9	29	0	DES	5	0	0	23	35	0	21	16	0	90	10
134	146	ONEIDA TOTAL INTEGRATED ENTERPRISES (OTIE), Milwaukee, Wis.	48.2	78	9	CON	70	0	0	9	2	0	12	7	95	2	2
135	122	VERSAR INC., Springfield, Va.	46.6	29	1	CSL/CON/OPS	27	0	7	0	0	35	31	0	92	5	3
136	143	WADE TRIM, Detroit, Mich.	45.1	72	0	DES	0	0	0	31	64	0	5	0	1	79	20
137	125	GAI CONSULTANTS INC., Homestead, Pa.	44.0	33	0	CSL	11	0	0	4	4	0	76	5	3	6	91
138	148	WHITMAN, REQUARDT AND ASSOCIATES LLP, Baltimore, Md.	43.4	34	0	DES	0	0	0	35	45	0	20	0	0	100	0
139	168	CREAMER ENVIRONMENTAL INC., Cedar Grove, N.J.	43.1	100	0	CON	100	0	0	0	0	0	0	0	0	3	97
140	136	DEWBERRY, Fairfax, Va.	43.1	13	0	DES	6	0	3	25	53	6	7	0	25	65	10
141	150	WENCK ASSOCIATES INC., Maple Plain, Minn.	42.7	79	3	CSL	20	0	15	6	8	12	34	5	5	30	65
142	118	ET ENVIRONMENTAL CORP. LLC, Atlanta, Ga.	42.5	100	17	CM-PM	94	0	0	0	5	0	1	0	0	4	96
143	149	PRECISION ENVIRONMENTAL CO., Independence, Ohio	42.1	96	0	CON	100	0	0	0	0	0	0	0	10	12	78
144	156	S&ME INC., Raleigh, N.C.	41.8	26	0	CSL	30	0	2	0	2	40	26	0	5	20	75
145	158	ENVIRONMENTAL COMPLIANCE SERVICES INC., Agawam, Mass.	41.1	96	0	CON	88	0	1	0	0	11	0	0	5	25	70
146	147	COMANCO ENVIRONMENTAL CORP, Plant City, Fla.	40.3	100	0	CON	99	0	0	0	1	0	0	0	0	18	82
147	151	T&M ASSOCIATES, Middletown, N.J.	39.5	60	0	DES	20	0	5	10	30	30	5	0	2	70	28
148	**	INNOVATIVE CONSTRUCTION SOLUTIONS, Santa Ana, Calif.	39.1	90	0	CON	60	0	0	30	0	0	0	10	2	28	70
149	155	D&B ENGINEERS AND ARCHITECTS PC, Woodbury, N.Y.	39.0	94	0	DES	23	0	0	8	69	0	0	0	0	95	5
150	**	ARC ABATEMENT, Waco, Texas	38.5	94	0	CON	94	0	0	0	0	0	0	6	5	50	45

FOOTNOTE: 5 PSI WAS ACQUIRED IN 2015 BY INTERTEK GROUP PLC

#130

INTERTEK-PSI is the new entity formed last year by U.K.-based Intertek's purchase of Illinois cleanup consultant PSI for \$330 million.

RANK 2016			2015 ENVIRONMENTAL REVENUE				TYPE OF WORK LARGEST % OF ENV. REVENUE	MARKETS (% OF ENVIRONMENTAL REVENUE)										CLIENTS (% OF ENV. REV.)	
			TOTAL (IN \$ MIL.)	% OF ALL FIRM REV.	% OF NON- U.S.	HAZARDOUS WASTE		NUCLEAR WASTE	AIR	WATER	WASTEWATER TRMT.	ENV. MANAGEMENT	ENV. SCIENCE	OTHER	FEDERAL	STATE/LOCAL	PRIVATE		
151	135	SLAYDEN CONSTRUCTORS INC., Stayton, Ore.	38.4	62	0	CON	0	0	0	35	65	0	0	0	3	94	3		
152	106	THE CONTI GROUP, Edison, N.J.	37.7	13	2	CON	30	0	0	70	0	0	0	0	76	6	18		
153	161	FOTH COS., De Pere, Wis.	37.4	26	2	DES/CM-PM	31	0	11	2	6	1	49	0	1	25	74		
154	154	TURNER SPECIALTY SERVICES LLC, Baton Rouge, La.	36.7	100	0	OPS	30	0	0	10	60	0	0	0	0	5	95		
155	**	CABRERA SERVICES INC., East Hartford, Conn.	36.3	100	0	CON	6	69	0	0	5	12	8	0	97	0	3		
156	160	TIGHE & BOND INC., Westfield, Mass.	34.2	72	0	DES/CSL	20	0	0	28	37	2	13	0	0	60	40		
157	**	BSI EHS SERVICES AND SOLUTIONS, San Jose, Calif.	34.2	100	13	CSL	3	0	4	0	1	12	0	80	1	5	94		
158	157	LEGGETTE, BRASHEARS & GRAHAM INC., Shelton, Conn.	33.9	100	0	CSL/CON	50	0	0	27	2	20	1	0	0	20	80		
159	172	GRESHAM, SMITH AND PARTNERS, Nashville, Tenn.	33.9	22	0	DES	0	0	0	19	49	7	0	25	0	95	5		
160	180	THE VERTEX COS. INC., Weymouth, Mass.	33.6	42	1	CSL	28	0	19	0	0	50	3	0	1	1	98		
161	145	IREX CONTRACTING GROUP, Lancaster, Pa.	33.6	16	2	CON	88	0	0	0	0	12	0	0	7	0	93		
162	177	PENNONI, Philadelphia, Pa.	33.2	20	0	CSL	40	0	5	15	5	5	5	25	5	25	70		
163	167	ENVIROTRAC LTD., Yaphank, N.Y.	32.5	100	0	CON/CSL/DES	65	0	10	0	5	10	10	0	0	23	77		
164	164	BUILDING CRAFTS INC., Wilder, Ky.	32.5	88	0	CON	0	0	0	24	76	0	0	0	0	85	15		
165	169	STRAND ASSOCIATES INC., Madison, Wis.	32.3	46	0	DES	0	0	0	15	85	0	0	0	0	100	0		
166	165	WRIGHT-PIERCE, Topsham, Maine	32.3	97	0	CON/DES	0	0	0	22	76	1	1	0	0	94	6		
167	137	DLZ, Columbus, Ohio	32.0	31	0	DES	6	0	0	12	71	6	5	0	0	90	10		
168	**	JOHNSON, MIRMIRAN & THOMPSON INC., Sparks, Md.	32.0	16	0	DES	0	0	0	8	41	23	28	0	2	98	1		
169	173	VHB, Watertown, Mass.	31.7	17	0	CSL	7	0	2	0	10	3	78	0	3	33	64		
170	152	BAY WEST LLC, St. Paul, Minn.	31.6	100	0	CON	93	0	3	0	2	2	0	0	72	14	14		
171	188	EAGLE CONTRACTING, L.P., Fort Worth, Texas	31.1	100	0	CON	0	0	0	0	100	0	0	0	0	100	0		
172	162	PARAMETRIX, Seattle, Wash.	30.3	51	0	DES/CSL	13	0	0	7	30	0	50	0	4	68	29		
173	176	LOCUS TECHNOLOGIES, Mountain View, Calif.	29.6	100	5	R&D	10	5	0	0	0	0	0	85	15	0	85		
174	186	LAND REMEDIATION INC., Averill Park, N.Y.	29.5	100	0	CON	100	0	0	0	0	0	0	0	5	5	90		
175	197	JOHNSTON CONSTRUCTION CO., Dover, Pa.	29.0	100	0	CON	1	0	0	19	80	0	0	0	34	29	37		
176	138	POSILICO ENVIRONMENTAL INC., Farmingdale, N.Y.	28.8	11	0	CON	0	0	0	0	0	25	75	0	14	6	80		
177	**	ENGINEERING CONSULTING SERVICES LTD., Chantilly, Va.	28.7	18	1	CSL	80	0	0	0	20	0	0	0	0	10	90		
178	**	NORMANDEAU ASSOCIATES INC., Bedford, N.H.	28.6	100	0	CSL	40	0	0	0	0	50	10	0	5	15	80		
179	175	RJN GROUP, INC., Wheaton, Ill.	28.5	100	0	DES	0	0	0	4	97	0	0	0	0	99	1		
180	193	STV GROUP INC., New York, N.Y.	28.1	7	0	CSL	30	0	10	0	10	20	30	0	5	85	10		
181	163	BURGESS & NIPLE INC., Columbus, Ohio	28.0	41	0	CSL	2	0	1	32	55	10	0	0	0	82	18		
182	174	RMC WATER AND ENVIRONMENT, Walnut Creek, Calif.	27.3	100	0	CSL	0	0	0	64	31	0	5	0	0	100	0		
183	181	POWER ENGINEERS INC., Hailey, Idaho	27.1	7	0	CSL	2	0	8	0	14	9	67	0	0	23	77		
184	183	SCHNABEL ENGINEERING INC., Glen Allen, Va.	26.5	43	0	DES	2	0	0	87	6	0	5	0	12	51	37		
185	171	AMERICAN CONTRACTING & ENV. SERVICES INC., Columbia, Md.	26.3	100	0	CON	6	0	0	23	72	0	0	0	9	91	0		
186	190	HNTB COS., Kansas City, Mo.	26.2	3	0	DES	0	0	0	49	41	0	5	5	6	90	5		
187	191	MCKIM & CREED INC., Raleigh, N.C.	25.8	51	0	DES	6	0	0	37	50	0	7	0	1	79	20		
188	185	ENVIRONMENTAL CONSULTING & TECHNOLOGY INC., Gainesville, Fla.	24.2	100	0	CSL	37	0	7	0	19	12	25	0	1	29	70		
189	**	PPM CONSULTANTS INC., Monroe, La.	23.6	100	0	CON	15	0	25	0	10	25	25	0	5	5	90		
190	199	SHORT-ELLIOTT-HENDRICKSON (SEH), St. Paul, Minn.	23.5	22	0	DES	3	0	3	16	36	34	8	0	2	78	20		
191	170	J.F. AHERN CO., Fond du Lac, Wis.	23.3	10	0	CON	0	0	5	15	80	0	0	0	0	90	10		
192	**	INTERA INC., Austin, Texas	23.2	100	5	CSL	25	30	0	25	0	10	10	0	35	35	30		
193	**	ABSCOPE ENVIRONMENTAL INC., Canastota, N.Y.	23.1	100	0	CON	90	5	0	0	5	0	0	0	5	10	85		
194	178	STANLEY CONSULTANTS, Muscatine, Iowa	22.7	14	2	DES	15	0	40	11	27	7	0	0	2	30	68		
195	179	CHESTER ENGINEERS INC., Moon Township, Pa.	22.5	98	0	DES	0	0	2	30	50	5	7	6	0	75	25		
196	194	EARTHCON CONSULTANTS INC., Marietta, Ga.	22.4	100	17	CSL	60	0	2	0	5	12	5	16	1	5	94		
197	**	JONES EDMUNDS & ASSOCIATES INC., Gainesville, Fla.	20.6	81	0	DES/CSL	11	0	2	8	42	18	19	0	11	83	6		
198	198	SKELLY AND LOY INC., Harrisburg, Pa.	20.3	100	0	CSL	20	0	0	4	17	16	40	3	5	66	29		
199	**	GRW ENGINEERS INC., Lexington, Ky.	20.2	63	0	DES	0	0	0	33	67	0	0	0	0	94	6		
200	195	SLETTEN COS., Great Falls, Mont.	20.1	9	0	CON	0	0	0	0	98	0	0	2	0	98	2		

Where To Find the Top 200

FIRM	RANK	FIRM	RANK	FIRM	RANK	FIRM	RANK
A		EarthCon Consultants Inc.	196	Judy Construction Co.	113	S	
Abscope Environmental Inc.	193	ECC	74	K		S&ME Inc.	144
AECOM	1	Ecology and Environment Inc.	67	KCI Technologies Inc.	133	Schnabel Engineering Inc.	184
AEGION Corp.	28	Enercon Services Inc.	104	Kennedy/Jenks Consultants Inc.	93	SCS Engineers	58
AKRF Inc.	114	Engineering Consulting Services Ltd.	178	Kiewit Corp.	20	Sevenson Environmental Services Inc.	63
Alberici/Flintco	47	Engineering/Remediation Resources Group, Inc.	131	Kleinfelder	68	Shook Construction Co.	97
Allan Myers	102	Ensafe Inc.	124	Kokosing Inc.	45	Short-Elliott-Hendrickson (SEH)	190
Amec Foster Wheeler	11	ENTACT LLC	55	L		Skelly and Loy Inc.	198
American Contracting & Environ. Services Inc.	185	Environ. Resources Management Inc. (ERM)	14	LAND Remediation Inc.	174	Slayden Constructors Inc.	151
Anchor QEA LLC	89	EnviroBusiness Consulting Inc.	98	Langan Engineering and Environ. Services Inc.	85	Sletten Cos.	200
Antea Group	32	Environmental Compliance Services Inc.	145	Layne Christensen Co.	24	SNC-Lavalin Inc.	69
Apex Cos. LLC	65	Environmental Consulting & Technology Inc.	188	Leggette, Brashears & Graham Inc.	158	Stanley Consultants	194
ARC Abatement	150	Environmental Quality Management Inc.	109	Leidos	40	Stantec Inc.	18
Arcadis NV	8	Environmental Restoration LLC	86	Locus Technologies	173	Strand Associates Inc.	165
ATC Group Services LLC	75	Environmental Science Associates	111	Los Alamos Technical Associates Inc.	70	STV Group Inc.	180
Atkins North America	79	EnviroTrac Ltd.	163	Louis Berger	37	SUEZ	10
B		ESG Operations Inc.	126	Lyles Construction Group	44	Sukut Construction Inc.	80
Barnard Construction Co. Inc.	39	ET Environmental Corp. LLC	142	M		SWCA Environmental Consultants	87
Barr Engineering Co.	122	F		M. B. Kahn Construction Co. Inc.	116	T	
Battelle	15	Fluor Corp.	7	Max Foote Construction Co. LLC	88	T&M Associates	147
Bay West LLC	170	Foth Cos.	153	McCarthy Holdings Inc.	34	Terracon Consultants Inc.	59
Bechtel	3	G		McKim & Creed Inc.	187	Tetra Tech Inc.	6
Black & Veatch	16	GAI Consultants Inc.	137	Michael Baker International	64	The Cadmus Group	105
Bowen	46	Gannett Fleming	115	MWH Global	9	The Conti Group	152
Brasfield & Gorrie LLC	121	Garney Holding Co.	22	N		The Vertex Cos. Inc.	160
Brown and Caldwell	33	GEI Consultants Inc.	119	National Response Corp.	49	The Walsh Group Ltd.	17
BSI EHS Services and Solutions	157	Geosyntec Consultants Inc.	43	Navarro Research and Engineering Inc.	107	Tighe & Bond Inc.	156
Building Crafts Inc.	164	GHD	26	Normandeau Associates Inc.	176	Tradebe Environmental Services	27
Bureau Veritas	56	Gilbane Building Co.	78	North Wind Group	94	TRC Cos. Inc.	38
Burgess & Niple Inc.	181	Golder Associates	25	NorthStar Group Services Inc.	21	Trihydro Corp.	112
Burns & McDonnell	50	Great Lakes Dredge & Dock	53	O		Trinity Consultants	77
C		Greeley and Hansen LLC	101	OBG	61	Turner Specialty Services LLC	154
C. Overaa & Co.	72	Gresham, Smith and Partners	159	Oneida Total Integrated Enterprises (OTIE)	134	U	
C.H. Nickerson & Co. Inc.	103	Groundwater & Env. Services Inc.	92	P		Ulliman Schutte Construction LLC	66
Cabrera Services Inc.	155	GRW Engineers Inc.	199	PAL Environmental Safety Corp.	81	USA Environment LP	82
Cape Environmental Management Inc.	127	GSE Construction Co. Inc.	129	Parametrix	172	V	
Carollo Engineers Inc.	48	GZA	96	Parsons Corp.	23	Veolia North America	4
Cascade Environmental LLC	84	H		Partner Engineering and Science Inc.	128	Versar Inc.	135
CB&I	19	Haley & Aldrich Inc.	83	PC Construction Co.	42	VHB	169
CDM Smith	12	Haskell	125	PCL Construction Enterprises Inc.	36	W	
CH2M	2	Hatch Group	99	Pennoni	162	Wade Trim	136
Charter Contracting Co. LLC	110	Hazen and Sawyer	52	Pepper Construction Group	76	Weeks Marine Inc.	35
Chester Engineers Inc.	195	HDR	13	Perma-Fix Environmental Services	118	Wenck Associates Inc.	141
Civil & Environmental Consultants Inc.	91	HEPACO LLC	120	Portage Inc.	132	Weston & Sampson	117
Clean Earth Inc.	54	HNTB Cos.	186	Posillico Environmental Inc.	177	Weston Solutions Inc.	51
Clean Harbors	5	HydroGeologic Inc.	90	POWER Engineers Inc.	183	Wharton-Smith Inc.	62
COMANCO Environmental Corp.	146	I		PPM Consultants Inc.	189	Whitman, Requardt and Associates LLP	138
Creamer Environmental Inc.	139	ICF International	31	Precision Environmental Co.	143	Woodard & Curran	60
Crossland Heavy Contractors Inc.	123	Innovative Construction Solutions	148	R		WorleyParsons	41
Crowder Constructors Inc.	100	INTERA Inc.	192	Ramboll Environ Inc.	29	Wright-Pierce	166
D		Intertek - PSI	130	Remedial Construction Services L.P.	73	WSP/Parsons Brinckerhoff	30
D&B Engineers and Architects PC	149	Irex Contracting Group	161	Rice Lake Construction Group	57		
Dewberry	140	J		RJN Group Inc.	179		
DLZ	167	J. F. Ahern Co.	191	RMC Water and Environment	182		
Dudek	108	J.R. Filanc Construction Co. Inc.	106	Roux Associates Inc.	95		
E		Johnson, Mirmiran & Thompson Inc.	168				
EA Engineering, Science, and Technology Inc.	71	Johnston Construction Co.	175				
Eagle Contracting L.P.	171	Jones Edmunds & Associates Inc.	197				