

# B-e-2 Overview of the Environmental Impacts: Environmental Impact of Production Sites

Environment

## Group Companies (Production Sites)

Company Name	Abbreviation	Location	Company Name	Abbreviation	Location
HORIBA Instruments Incorporated Irvine Facility	HII (Irvine)	U.S.A. (California)	HORIBA Instruments Limited	HIL	U.K. (Northampton)
HORIBA Instruments Incorporated Ann Arbor Facility	HII (AnnArbor)	U.S.A. (Michigan)	HORIBA ABX SAS	HMFR	France (Montpellier)
HORIBA Instruments Incorporated Troy Facility	HII (Troy)	U.S.A. (Michigan)	HORIBA Jobin Yvon SAS	JYFR	France (Longjumeau)
HORIBA Instruments Incorporated Edison Office Former HORIBA Jobin Yvon Inc.	HII (Edison) Former JYUS	U.S.A. (New Jersey)	HORIBA (Austria) GmbH	HA	Austria (Tulln)
HORIBA Instruments Incorporated Austin Office HORIBA Instruments Incorporated Santa Clara Office Former HORIBA/STEC Incorporated	HII (Austin/Santa Clara) Former SHI	U.S.A. (Texas) U.S.A. (California)	HORIBA, Ltd	HOR	Japan (Kyoto)
HORIBA Europe GmbH	HE	Germany (Oberursel, Darmstadt)	HORIBA STEC, Co., Ltd.	STEC	Japan (Kyoto)
			HORIBA Advanced Techno Co., Ltd.	HAT	Japan (Kyoto)
			HORIBA KOREA LTD.	HKL	South Korea (Kyunggido)
			HORIBA INSTRUMENTS (SHANGHAI) CO., LTD.	HSC	China (Shanghai)

## Environmental Impact of Group Production Sites for 2011

	Item/Region	U.S.A					Europe					Asia				
		Group Company Name (Abbreviation)	HII (Irvine)	HII (AnnArbor)	HII (Troy)	HII (Edison)	HII (Austin/Santa Clara)	HE	HIL	HMFR	JYFR	HA	HOR	STEC	HAT	HKL
INPUT	Electricity consumption MW·h	296	875	3,787	1,526	1,144	1,366	355	2,841	3,335	37	10,066	6,897	277	55	902
	City gas consumption km <sup>3</sup>	-	47	107	81	5	48	3	-	143	5	434	243	0.02	-	-
	Water consumption km <sup>3</sup>	9	9	3	9	-	1.8	0.3	23	12	0.2	41	32	4	0.1	5
	Consumption of fuel oil & fuel for vehicles kL	-	100	51	-	42	164	4	-	65	16	37	28	11	3	15
	Quantity of chemicals consumed t	-	-	-	0.02	-	3	-	31	-	0.002	7.3	0.9	0.08	-	-
	Office paper t	2	4	8	4	1	11	0.8	24	4	0.3	17	5	3	0.3	0.4
	Packing materials t	-	-	-	14	-	5	-	823	-	-	324	29	-	4	-
OUTPUT	CO <sub>2</sub> emissions t-CO <sub>2</sub>	175	844	2,579	1,071	876	1,172	174	142	615	54	4,211	4,557	112	25	340
	Wastewater discharge km <sup>3</sup>	9	1	3	9	-	1.8	0.3	-	12	0.2	41	32	4	0.1	4
	Waste emissions t	107	32	32	119	-	42	18	174	82	16	322	92	4	0.7	8
	Number of employees 人	68	117	80	190	52	400	95	571	305	26	1,417	384	134	27	140

\* Data on HORIBA Europe GmbH Oberursel and Darmstadt Offices were listed separately until Gaiareport 2010. Starting with Gaiareport 2011, data on these offices are combined into a single category.

**KEYWORDS**

Environmental Impacts | Material in balance | Production Sites | Non-production Sites