

INPUT⇒OUTPUT Data (FY2022)

Mitsui Chemicals Group

INPUT		Mitsui Chemicals Group	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	82.8		Products shipped (thousand tons)	5,616
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	5,281		GHG (thousand tons)	4,502
Purchased materials (thousand tons)	343		Scope1 (thousand tons)	3,545
Water resources			Scope2 (thousand tons)	957
Water withdrawal (million m ³)	495.1		Fluorocarbons (tons)	5
Surface water (million m ³)	1.9		NOx (tons)	2,353
Groundwater (million m ³)	1.8		SOx (tons)	485
Seawater (million m ³)	400.6	Hazardous air pollutants (tons)	11	
Produced water (million m ³)	0.0	VOC (tons)	2,040	
Third-party water (million m ³)	90.8	Soot and dust (tons)	107	
(Recycled water) (million m ³)	1,737.9	Industrial waste		
		Waste sent off-site (thousand tons)	152.5	
		Amount recycled externally (thousand tons)	111.3	
		Off-site landfill (thousand tons)	0.6	
		Wastewater		
		COD, BOD (tons)	939	
		Total nitrogen (tons)	891	
		Total phosphorous (tons)	23	
		Effluent (million m ³)	462.8	
		Wastewater treatment (million m ³)	52.6	

Mitsui Chemicals, Inc.

INPUT		Mitsui Chemicals, Inc.	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	69.5		Products shipped (thousand tons)	4,118
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	3,863		GHG (thousand tons)	3,806
Purchased materials (thousand tons)	33		Scope1 (thousand tons)	3,336
Water resources			Scope2 (thousand tons)	470
Water withdrawal (million m ³)	479.3		Fluorocarbons (tons)	3
Surface water (million m ³)	0.0		NOx (tons)	2,266
Groundwater (million m ³)	0.6		SOx (tons)	471
Seawater (million m ³)	392.2	Hazardous air pollutants (tons)	11	
Produced water (million m ³)	0.0	VOC (tons)	1,473	
Third-party water (million m ³)	86.5	Soot and dust (tons)	68	
(Recycled water) (million m ³)	1,606.5	Industrial waste		
		Waste sent off-site (thousand tons)	97.9	
		Amount recycled externally (thousand tons)	69.1	
		Off-site landfill (thousand tons)	0.4	
		Wastewater		
		COD, BOD (tons)	742	
		Total nitrogen (tons)	891	
		Total phosphorous (tons)	23	
		Effluent (million m ³)	448.0	
		Wastewater treatment (million m ³)	52.6	

Domestic Subsidiaries & Affiliates

INPUT		Domestic Subsidiaries & Affiliates	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	3.7		Products shipped (thousand tons)	468
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	420		GHG (thousand tons)	203
Purchased materials (thousand tons)	8		Scope1 (thousand tons)	65
Water resources			Scope2 (thousand tons)	138
Water withdrawal (million m ³)	14.4		Fluorocarbons (tons)	0
Surface water (million m ³)	1.9		NOx (tons)	75
Groundwater (million m ³)	1.2		SOx (tons)	10
Seawater (million m ³)	8.4	VOC (tons)	527	
Produced water (million m ³)	0.0	Soot and dust (tons)	2	
Third-party water (million m ³)	2.8	Industrial waste		
(Recycled water) (million m ³)	101.6	Waste sent off-site (thousand tons)	29.9	
		Amount recycled externally (thousand tons)	23.8	
		Off-site landfill (thousand tons)	0.1	
		Wastewater		
		COD, BOD (tons)	48	
		Effluent (million m ³)	14.3	

Overseas Subsidiaries & Affiliates

INPUT		Overseas Subsidiaries & Affiliates	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	9.5		Products shipped (thousand tons)	1,031
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	997		GHG (thousand tons)	493
Purchased materials (thousand tons)	302		Scope1 (thousand tons)	143
Water resources			Scope2 (thousand tons)	350
Water withdrawal (million m ³)	1.5		Fluorocarbons (tons)	1
Surface water (million m ³)	0.0		NOx (tons)	13
Groundwater (million m ³)	0.0		SOx (tons)	4
Seawater (million m ³)	0.0	VOC (tons)	41	
Produced water (million m ³)	0.0	Soot and dust (tons)	36	
Third-party water (million m ³)	1.5	Industrial waste		
(Recycled water) (million m ³)	29.739	Waste sent off-site (thousand tons)	24.7	
		Amount recycled externally (thousand tons)	18.3	
		Off-site landfill (thousand tons)	0.1	
		Wastewater		
		COD, BOD (tons)	149	
		Effluent (million m ³)	0.47	

Ichihara Works

INPUT		Ichihara Works	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	27.1		Products shipped (thousand tons)	1,580.0
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	1,641		GHG (thousand tons)	1,345
Purchased materials (thousand tons)	6		Scope1 (thousand tons)	1,293
Water resources			Scope2 (thousand tons)	53
Water withdrawal (thousand m ³)	336,364.1		Fluorocarbons (tons)	0
Surface water (thousand m ³)	0.0		NOx (tons)	889
Groundwater (thousand m ³)	146.0		SOx (tons)	370
Seawater (thousand m ³)	314,554.9	Hazardous air pollutants (tons)	2	
Produced water (thousand m ³)	0.0	VOC (tons)	348	
Third-party water (thousand m ³)	21,663.2	Soot and dust (tons)	11	
(Recycled water) (thousand m ³)	402,003.0	Industrial waste		
		Waste sent off-site (thousand tons)	15.5	
		Amount recycled externally (thousand tons)	15.5	
		Off-site landfill (thousand tons)	0.0	
		Wastewater		
		COD, BOD (tons)	56	
		Total nitrogen (tons)	23	
		Total phosphorous (tons)	2	
		Effluent (million m ³)	320,512.9	
		Wastewater treatment (million m ³)	5,958.0	

Mobara Branch Factory

INPUT		Mobara Branch Factory	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	0.7		Products shipped (thousand tons)	50
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	52		GHG (thousand tons)	32
Purchased materials (thousand tons)	1		Scope1 (thousand tons)	23
Water resources			Scope2 (thousand tons)	9
Water withdrawal (thousand m ³)	866.9		Fluorocarbons (tons)	0
Surface water (thousand m ³)	0.0		NOx (tons)	18
Groundwater (thousand m ³)	457.0		SOx (tons)	0
Seawater (thousand m ³)	0.0	Hazardous air pollutants (tons)	0	
Produced water (thousand m ³)	0.0	VOC (tons)	12	
Third-party water (thousand m ³)	409.9	Soot and dust (tons)	0	
(Recycled water) (thousand m ³)	30,500.0	Industrial waste		
		Waste sent off-site (thousand tons)	2.5	
		Amount recycled externally (thousand tons)	1.1	
		Off-site landfill (thousand tons)	0.0	
		Wastewater		
		COD, BOD (tons)	9	
		Total nitrogen (tons)	2	
		Total phosphorous (tons)	1	
		Effluent (million m ³)	562.0	
		Wastewater treatment (million m ³)	562.0	

Nagoya Works

INPUT		Nagoya Works	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	0.7		Products shipped (thousand tons)	42
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	42		GHG (thousand tons)	31
Purchased materials (thousand tons)	3		Scope1 (thousand tons)	10
Water resources			Scope2 (thousand tons)	22
Water withdrawal (thousand m ³)	1,682.8		Fluorocarbons (tons)	0.1
Surface water (thousand m ³)	0.0		NOx (tons)	2.7
Groundwater (thousand m ³)	0.0		SOx (tons)	0.0
Seawater (thousand m ³)	0.0	Hazardous air pollutants (tons)	0.1	
Produced water (thousand m ³)	0.0	VOC (tons)	14.3	
Third-party water (thousand m ³)	1,682.8	Soot and dust (tons)	0.0	
(Recycled water) (thousand m ³)	1,492.0	Industrial waste		
		Waste sent off-site (thousand tons)	4.9	
		Amount recycled externally (thousand tons)	3.0	
		Off-site landfill (thousand tons)	0.030	
		Wastewater		
		COD, BOD (tons)	0	
		Total nitrogen (tons)	0	
		Total phosphorous (tons)	0	
		Effluent (million m ³)	2,076	
		Wastewater treatment (million m ³)	2,076	

Osaka Works

INPUT		Osaka Works	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	26.6		Products shipped (thousand tons)	1,801
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	1,569		GHG (thousand tons)	1,447
Purchased materials (thousand tons)	13		Scope1 (thousand tons)	1,359
Water resources			Scope2 (thousand tons)	88
Water withdrawal (thousand m ³)	68,039.0		Fluorocarbons (tons)	1
Surface water (thousand m ³)	0.0		NOx (tons)	641
Groundwater (thousand m ³)	0.0		SOx (tons)	15
Seawater (thousand m ³)	47,959.0	Hazardous air pollutants (tons)	5	
Produced water (thousand m ³)	0.0	VOC (tons)	65	
Third-party water (thousand m ³)	20,080.0	Soot and dust (tons)	14	
(Recycled water) (thousand m ³)	722,878.0	Industrial waste		
		Waste sent off-site (thousand tons)	6.7	
		Amount recycled externally (thousand tons)	5.5	
		Off-site landfill (thousand tons)	0.0	
		Wastewater		
		COD, BOD (tons)	219	
		Total nitrogen (tons)	428	
		Total phosphorous (tons)	5	
		Effluent (million m ³)	56,405.0	
		Wastewater treatment (million m ³)	8,446.0	

Iwakuni-Ohtake Works

INPUT		Iwakuni-Ohtake Works	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	7.0		Products shipped (thousand tons)	380
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	337		GHG (thousand tons)	454
Purchased materials (thousand tons)	2		Scope1 (thousand tons)	268
Water resources			Scope2 (thousand tons)	186
Water withdrawal (thousand m ³)	57,889.0		Fluorocarbons (tons)	1
Surface water (thousand m ³)	0.0		NOx (tons)	193
Groundwater (thousand m ³)	0.0		SOx (tons)	79
Seawater (thousand m ³)	29,640.0	Hazardous air pollutants (tons)	4	
Produced water (thousand m ³)	0.0	VOC (tons)	574	
Third-party water (thousand m ³)	28,249.0	Soot and dust (tons)	13	
(Recycled water) (thousand m ³)	255,168.0	Industrial waste		
		Waste sent off-site (thousand tons)	6.8	
		Amount recycled externally (thousand tons)	6.8	
		Off-site landfill (thousand tons)	0.0	
		Wastewater		
		COD, BOD (tons)	167	
		Total nitrogen (tons)	27	
		Total phosphorous (tons)	12	
		Effluent (million m ³)	57,510	
		Wastewater treatment (million m ³)	27,870	

Tokuyama Branch Factory

INPUT		Tokuyama Branch Factory	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	0.1		Products shipped (thousand tons)	35
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	34		GHG (thousand tons)	6
Purchased materials (thousand tons)	1		Scope1 (thousand tons)	5
Water resources			Scope2 (thousand tons)	2
Water withdrawal (thousand m ³)	5,285.6		Fluorocarbons (tons)	0
Surface water (thousand m ³)	0.0		NOx (tons)	2
Groundwater (thousand m ³)	0.0		SOx (tons)	1
Seawater (thousand m ³)	0.0	Hazardous air pollutants (tons)	0	
Produced water (thousand m ³)	0.0	VOC (tons)	4	
Third-party water (thousand m ³)	5,285.6	Soot and dust (tons)	0	
(Recycled water) (thousand m ³)	0.0	Industrial waste		
		Waste sent off-site (thousand tons)	4.3	
		Amount recycled externally (thousand tons)	3.0	
		Off-site landfill (thousand tons)	0.0054	
		Wastewater		
		COD, BOD (tons)	13	
		Total nitrogen (tons)	0	
		Total phosphorous (tons)	0	
		Effluent (million m ³)	5,129	
		Wastewater treatment (million m ³)	0	

Omuta Works

INPUT		Omuta Works	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	0.7		Products shipped (thousand tons)	228
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	188		GHG (thousand tons)	492
Purchased materials (thousand tons)	7		Scope1 (thousand tons)	377
Water resources			Scope2 (thousand tons)	115
Water withdrawal (thousand m ³)	9,058.0		Fluorocarbons (tons)	1
Surface water (thousand m ³)	0.0		NOx (tons)	520
Groundwater (thousand m ³)	0.0		SOx (tons)	5
Seawater (thousand m ³)	0.0	Hazardous air pollutants (tons)	0	
Produced water (thousand m ³)	0.0	VOC (tons)	456	
Third-party water (thousand m ³)	9,058.0	Soot and dust (tons)	30	
(Recycled water) (thousand m ³)	194,425.0	Industrial waste		
		Waste sent off-site (thousand tons)	56.2	
		Amount recycled externally (thousand tons)	33.8	
		Off-site landfill (thousand tons)	0.4	
		Wastewater		
		COD, BOD (tons)	278	
		Total nitrogen (tons)	411	
		Total phosphorous (tons)	3	
		Effluent (million m ³)	5,690.0	
		Wastewater treatment (million m ³)	7,602.0	

VISION HUB™ SODEGAURA (R&D Center)

INPUT		VISION HUB™ SODEGAURA (R&D Center)	OUTPUT	
Energy			Products, etc.	
Energy consumption (PJ)	0.2		Products shipped (thousand tons)	0
Purchased materials			Atmospheric emissions	
Raw materials (thousand tons)	0		GHG (thousand tons)	9
Purchased materials (thousand tons)	0		Scope1 (thousand tons)	3
Water resources			Scope2 (thousand tons)	6
Water withdrawal (thousand m ³)	80.4		Fluorocarbons (tons)	0
Surface water (thousand m ³)	0.0		NOx (tons)	0
Groundwater (thousand m ³)	21.2		SOx (tons)	0
Seawater (thousand m ³)	0.0	Hazardous air pollutants (tons)	0	
Produced water (thousand m ³)	0.0	VOC (tons)	0	
Third-party water (thousand m ³)	59.2	Soot and dust (tons)	0	
(Recycled water) (thousand m ³)	45.5	Industrial waste		
		Waste sent off-site (thousand tons)	0.9	
		Amount recycled externally (thousand tons)	0.4	
		Off-site landfill (thousand tons)	0.0	
		Wastewater		
		COD, BOD (tons)	0	
		Total nitrogen (tons)	0	
		Total phosphorous (tons)	0	
		Effluent (million m ³)	71.0	
		Wastewater treatment (million m ³)	71.0	