

APENDIX 1. Industry profile/inventory

Company name	Contact address	Industry type	Production volume	Quantity of generated HW	Physical state	Types (chlorinated organic/inorganic)	Source	Current fate of the waste
A - INSTALLATIONS								
Thermo Power Plant Negotino	1440 Negotino, v.Dubrovo	Energy	210 MW (electric power)	370 l/y	liquid	13 02 05* (non-chlorinated)	Industrial mechanization, hydraulic, from turbine, transformer oil	70 l/y combusted; 200 l/y recycling
ELEM Energetika	16 th Makedonska brigada, Skopje	Energy	30 MW (electric) 100 MWth heat 40 t/h steam	960 l/y	liquid	13 01 10* 13 02 05*	Pumps, hydraulics	storage
REK Bitola	Novaci	Energy	675 MW	1200000 t/y	solid	10 01 16*	Lignite combustion	-1080000 t/y disposed -120000 t/y reused
				24 t/y	liquid	13 03 07* (non-chlorinated)	From transformers	combusted
				108 t/y	liquid	13 02 05*(non-chlorinated)	Industrial mechanization, hydraulic, from turbine, transformer oil	Mixed with coal and burned
OKTA	Village Miladinovci, Skopje	Energy	2.500.000 t/y	180 t/y	sludge	05 01 02*	proces	reuse
				24 t/y		05 01 03* organic	Rezervoars	Reuse
				0.2 m ³ /y	liquid	07 07 03* Organic	Laboratory	reuse
				100 m ³ /y	liquid	10 01 22* Organic	boilers	Treatment
				10 m ³ /y	liquid	12 03 02* Organic	hydrocarbon	Treatment
REK Oslomej	Village Oslomej	Energy	125 MW	0.72 t/y	solid	16 06 02* inorganic	Facility	Sold as secondary material
					solid	16 02 09* contain PCB	Transformers and capacitors	Disposal
				24 t/y	liquid	13 03 01* with PCB	From capacitors	disposal

						13 03 10*		
TETO	St. London, Skopje	Energy	480 MWth	0.24 t/y	liquid	13 01 11*	maintenance	Treatment
				0.12 t/y	liquid	13 02 08*	maintenance	Treatment
				0.12 t/y	liquid	13 03 10*	maintenance	Treatment
				0.36 t/y	sludge	13 05 03*	Sedimentation pool	Treatment
				0.12 t/y	sludge	13 05 07*	Sedimentation pool	Treatment
				0.024 t/y	liquid	13 07 01*	Fuel	treatment
				0.06 t/y	solid	15 02 02*	Maintenance	Licensed company
				0.24 t/y	Solid	15 01 10*	Packaging	Treatment
				0.024 t/y	liquid	07 07 03* organic	laboratory	Licensed company
				0.024 t/y	liquid	07 07 04* organic	laboratory	Licensed company
				0.012 t/y	liquid	16 05 06*	laboratory	Licensed company
				0.12 t/y	liquid	06 01 01*	Maintenance of the water hardness	WWTP
				0.12 t/y	liquid	06 01 02*	regeneration	WWTP
				6 t/y	sludge	10 01 22*	maintenance	WWTP
				0.012 t/y	Solid	20 01 33*		Licensed company
				0.024 t/y	Solid	20 01 21*	General use	Licensed company
0.24 t/y	Solid	20 01 35*	General use	Licensed company				
Eko greenhouse "Anska reka"	st. Podano, Valandovo	Energy	8 MW	1 t/y	liquid	13 07 01*	leakage	Disposal
				0.16 t/y	solid	15 01 10*	Package of pesticides	disposal
Greenhouse Hamzali Bosilovo	Village Hamzali, Bosilovo	Energy	51.2 MW	540 l/y	liquid	13 02 08*	Vehicles	Reuse
				3 t/y	solid	10 01 16*	Stacks and boiler houses	Disposal
AD Zeolit Probitip	Strmoski road, Probitip	Chemistry	20000 t/y	None				
Ading AD	st. Novoselski pat, Novo selo	Chemistry	20000 t/y	0.01 t/y	liquid	17 09 02*	Production of basic products	Disposal
Agropin DOO – plant protection products	DTC Mavrovka lamela C, floor 3,	Chemistry	3 t/y powder and 10 t/y liquid products	0.1 t/y	liquid	07 04 11*	sludge from WWTP	Disposal on site
				0.2 t/y	solid	15 01 10*	packing	

	Skopje								
Alkaloid – pharmacy (site Avtokomanda)	Bul. Aleksandar Makedonski No.12	Chemistry	No capacity	4.2 t/y	solid	18 01 06*	Waste packaging	Incineration	
				1.51 t/y	solid	18 01 03*	Microbiology	Treatment	
				0.065 t/y	liquid	18 01 06*	Laboratory	Reuse	
Alkaloid - coatings	st. Pero Nakov, Skopje	Chemistry	No capacity	16.8 t/y	liquid	08 01 13*	Cleaning of the production equipment	Reused equipment	
Alkaloid – pharmacy (site Gjorce Petrov)	Bul. Aleksandar Makedonski No.12	Chemistry	No capacity	0.3 t/y	solid	18 01 06*	Antibiotics production	Incineration	
				0.012 t/y	liquid	070504*	Production of pharmaceuticals	Incineration	
Alkaloid – Chemistry (site Gjorce Petrov)	Bul. Aleksandar Makedonski No.12	Chemistry	No capacity	None					
Jaka 80 (site Skopje)	st. Prvomajska, Skopje	Chemistry	No capacity	49.2 l/y	liquid	13 02 05* non-chlorinated	Waste oil from reducers and machines	Reused	
Jaka 80 (site Radovis)	St. Marsal Tito No. 2, Radovis	Chemistry	No capacity	80.4 l/y	liquid	13 02 05* non-chlorinated	Waste oil from compressors	Storage	
Johnson &Matthey B.V	St. Maksim Gorki 5/2, Skopje	Chemistry	No capacity	6 t/y	liquid	07 01 04*	Production	Treatment	
				3 t/y	liquid	13 07 01*	Production	Combustion	
				0.6 t/y	solid	06 06 01*	Column for motor testing	Reuse	
Makpetrol AD Skopje	St. Mito Hadzivasilev Jasmin No. 4, Skopje	Chemistry	20000 t/y	63 m ³ /y	liquid	13 08 99*	Production	storage	
				3.3 t/y	solid	15 01 10*	Packaging	disposal	
Technical gasses	St. Proleterska No. 4, Skopje	Chemistry		None					
1. Acetilen production			1. 140 kg/h						
2. Production unit Zelezara			2. O ₂ (l): 227.5 Nm ³ /h O ₂ (g): 2067.5 Nm ³ /h N ₂ (l): 205 Nm ³ /h N ₂ (g): 450 Nm ³ /h						
3. Production unit Volkovo			3. 8 t/y CO ₂ (l)						
4. CO₂ production, Egri, Bitola			4. 1500 Nm ³ /h						
5. SOL SEE kavadarci			5. O ₂ (l): 1000 Nm ³ /h O ₂ (g): 1000 Nm ³ /h N ₂ (l): 1000 Nm ³ /h N ₂ (g): 50 Nm ³ /h Ar (l): 58 Nm ³ /h						

Shviss Metod-Gostivar	Village Cegrane, Gostivar	Chemistry	12480 t/y	None				
8th of November, Negotino	St. Industriska, Negotino	Mineral industry	50.000.000 bricks/y	0.01 t/y	solid	16 06 01*	Transport vehicles	Recycled
liinden AD Struga	st. "Proleterski brigadi" 62, Struga	Mineral industry	80 t/h	None				
A.D. RIOMK "BOMEX REFRACTORY " – Pehcevo	st. Industriska No. 6, Pehcevo	Mineral industry	30.000 t/y	4.5 t/y	liquid	13 02 05* (non-chlorinated)	Changes of motor oil in vehicles	Reused
IGM Elenica	St. Marsal Tito, No.222 Strumica	Mineral industry	270 t/d	1.2 t/y	solid	10 12 09*	waste from clay treatment	Disposal
AD Nemetali Ograzden	St. Marsal Tito, No.239 Strumica	Mineral industry	100-120 t/d	2.216 t/y	liquid	13 02 05* (non-chlorinated)	waste motor oil	Storage
Bucim Radovis	St. Marsal Tito, Radovis	Mineral industry	8.000.000 t/y	480 t/y	solid	06 02 01*	stone from insoluble lime	Disposal
				600 pcs/y*20 kg/pcs=12 t/y	solid	16 07 08*	Empty metal drums	Storage
				240 pcs/y *10 kg/pcs= 2.4 t/y	solid	06 01 02*	Plastic drums	Disposal
				15 pcs/y * 5kg= 0.075 t/y	solid	16 06 01*	vehicles	storage
				800 pcs/y	solid	16 01 07*	Waste oil filters	onsite disposal
				120 t/y	liquid	13 02 05* (non-chlorinated)	Waste oil	onsite disposal
Filip Inzenering	Brazda, Cucer Sandevo	Mineral industry	60 t/h	2 pcs/y*5 kg= 0.01 t/y	solid	16 06 01*	vehicles	Treatment
				50 l/y	liquid	13 02 05*	Waste oil	Storage
GD Granit AD Skopje	Karpos, Bitola	Mineral industry	50 t/h asphalt; 35 m ³ /h concrete	0.4 t/y	liquid	13 02 06*	Waste motor oil from machines	disposal
Huljusi Komerc	Village Cerkezi, Kumanovo	Mineral industry	120-140 t/h	1.2 t/y	solid	16 06 01*	vehicles	Treatment
				300 l/y	liquid	13 02 07*	Waste oil	Reuse
				3 m ³ /y	Sludge	13 05 02*	sludges from oil/water separators	Treatment
IGM Dzumajlija	Dzumajlija,	Mineral	40.000.000 bricks/y	3 t/y	liquid	13 01 13*	Waste oil	Recycling

	Lozovo	industry						
Magalb Kifer Kamenolom stone pit	St. Borka Taleski No. 24, Skopje	Mineral industry	200.000 t/y	2.4 t/y	liquid	13 01 05*	Waste motor and transmission oil	Reuse
				1.2 t/y	solid	16 01 07*	Waste filters	Reused
Makedonija Pat Skopje	St. Dame Gruev No. 14, Skopje	Mineral industry	60 t/h	20 pcs/y * 5 kg = 0.1 t/y	solid	16 06 01*	Waste Pb car batteries	Recycling
				1 t/y	liquid	13 05 02*	sludge from oil/water separators	Reuse
				800 l/y selling	liquid	13 02 07*	Waste oils	Recycling
Makedonija Pat Bitola	St. Dame Gruev No. 14, Skopje	Mineral industry	40 t/h	15 pcs/y = 0.075 t/y	solid	16 06 01*	Waste Pb car batteries	Recycling
				0,5 t/y	solid	13 05 02*	sludge from oil/water separators	Treatment
				500 l/y	liquid	13 02 07*	Biodegradable motor and transmission oil	Recycling
Makedonija Pat Shtip	St. Dame Gruev No. 14, Skopje	Mineral industry	40 t/h	16 pcs/y = 0.08 t/y	solid	16 06 01*	Waste Pb car batteries	Recycling
				500 l/y	liquid	13 02 07*	Biodegradable motor and transmission oil	Recycling
				None		13 05 02*	Mechanical sludge	
Makedonija Pat Veles	St. Dame Gruev No. 14, Skopje	Mineral industry	30 t/h	34 pcs/y = 0.17 t/y	solid	16 06 01*	Waste Pb car batteries	Recycling
				1 t/y	liquid	13 05 02*	Mechanical sludge	Reused
				400 l/y	liquid	13 02 07*	Waste oils	Recycling
G.D. GRANIT Bitola	Karpos, Bitola	Mineral industry	Bitola: 50 t/h asphalt; 35 m ³ /h concrete; stone pit: 60 m ³ /h; Kicevo: 35 t/h asphalt; 35 m ³ /h concrete	0,1 t/y	liquid	13 02 06*	Waste motor oil from machines	Reuse
G.D. GRANIT Negotino a) Asphalt base – Koresnica b) Concrete base- Progres c) Stone pit – Javorica d) Concrete base – Przdevo	St. Marsal Tito No. 150, Negotino	Mineral industry	a) 80 t/h; b) 24 m ³ /h; c) 18 m ³ /h; d) 100 t/h	0,4 t/y	liquid	13 02 06*	Waste motor oil from machines	Disposal
G.D. GRANIT Ohrid a) Asphalt base b) grinder c) Concrete base	St. Partizanska No. 85, Ohrid	Mineral industry	a) 35 t/h; b) 100 m ³ /h; c) 18 m ³ and 35 m ³	0,1 t/y	liquid	13 02 06*	Waste motor oil from machines	Reuse

Pelagonija AD Gostivar	St. Brakja Ginovski, Gostivar	Mineral industry	40 t/h	a) 8 pcs/y= 0.12 t/y	Solid	16 06 01*	Waste Pb car batteries	a) Recycling	
				b) 0,04 t/y				b) Storage	
				No data	Liquid	13 05 02*	Mechanical sludge	Reused	
Nova Sloga (AD Hamzali)	Hamzali, Bosilovo	Mineral industry	250 t/d	25 l/y	liquid	13 02 07*	Fuel oil and diesel	Storage	
				120000 l/y	liquid	13 02 06*	synthetic motor oil	Treatment	
				No data	Solid	16 06 01*	Waste Pb car batteries		
Progres 98 Gostivar a) Asphalt base b) Grinding	St.Pance Poposki,No. 27, Gostivar	Mineral industry	a) 50 t/h b) 70 m ³ /h	No data	Solid	16 06 01*	Waste Pb car batteries		
				No data	liquid	13 01 10*	Waste motor oil	Reuse	
				No data	liquid	13 01 01*	Hydraulic oils with PCB	Reuse	
				No data	liquid	13 01 11*	Synthetic hydraulic oil	Reuse	
				No data	liquid	13 01 12	Biodegradable hydraulic oils	Reuse	
				No data	liquid	13 01 13*	Other hydraulic oils	Reuse	
				No data	liquid	13 02 04*	Chlorinated motor oil	Reuse	
				No data	liquid	13 02 05*	Non-chlorinated motor oil	Reuse	
				No data	liquid	13 02 06*	Synthetic motor oils	Reuse	
				No data	liquid	13 02 07*	Biodegradable motor oils	Reuse	
				No data	liquid	13 02 08*	Other motor oils	Reuse	
				No data	liquid	16 01 07*	Waste oil filters	Disposal	
TITAN Cement Plant Skopje	Skopje	Mineral industry	a) 1.000.000 t/y clinker; b) 1.750.000 t/y cement	50 t/y	liquid	13 01 05*	Waste oil	Storage	
				No data	Solid	16 06 01*	Waste Pb car batteries	Disposal	
TONDACH	IGM Proleter br.1, Vinica	Mineral industry	175 t/day	5 t/y	liquid	12 01 07*	Waste machine oil	Treatment	
				0.2 t/y	solid	15 02 02*	Wiping clothes	landfill	
Tulana Doo Gostivar	IGM Proleter, Vinica	Mineral industry	135 t/d	No data	liquid	13 01 01* 13 01 10* 13 01 10* 13 01 11* 13 01 12* 13 01 13* 13 02 04* 13 02 05* 13 02 06* 13 02 07* 13 02 08*		Reuse	

Vardar Dolomit	St. Belicica, Gostivar	Mineral industry	- 120 t/d sinter dolomite; - 90 t/d other dolomite products	720 t/y	Solid	10 13 12*	Solid waste from gas treatment that contain hazardous substances	Landfil
AD Komuna Skopje	JNA, No. 318, Gostivar	Other/ paper production	Location Keramidnica – 24.535 t/y Location Madzari 20.000 t/y	6.36 t/y 2.4 t/y	Liquid Liquid	13 01 01* 07 07 03*	Automobile service and warehouse	storage storage
Agria, Agroindustrijska Grupacija	Babuna, Veles	Other/ poultry farm	30.000 chicken/y	0.066 t/y 0.030 t/y	Liquid Solid	13 02 05* 16 06 01*	Vehicles Vehicles	Undertaken Undertaken
Gorni Polog DOO Gostivar	St. Belicica, Gostivar	Other/slaught erhouse	50t/d	1.2 t/y	Liquid	13 01; 13 01 01; 13 01 10; 13 01 10; 13 01 11; 13 01 12; 13 01 13; 13 02 13 02 04; 13 02 05; 13 02 06; 13 02 07; 13 02 08	Compressor station	Undertaken
AD Oranzerii Hamzali Bosilovo	Village Hamzali, Bosilovo	Other/greenh ouse	51.2 MW	540 l/y 6 m ³ /y	Liquid Soot	13 02 08* 10 01 16*	tractors and reducers soot of chimneys	Combustion Landfill
Pivara AD Skopje	St. 808 No.12, Skopje	Other/brewer y	1.100.000 hl beer and 1.900.000 hl non alcohols drinks	3.72 t/y No data 1 t/y	Solid Solid Solid	16 06 01* 20 01 21* 13 02 08*	Lead batteries station Removal of fluorescent and mercury tubes maintenance of machinery, work on compressors, transformers, maintenance of cars	Recycling Landfill Recycling
Pelagonija AD Bitola	St. Boris Kidric No. 3, Bitola	Other/pig farm	450 sow or 7 000 pigs	6 m ³ /y	Solid	18 02 01*	Vaccination	Combustion
Tutunski Kombinat AD Skopje	St. 11 Oktomvri No. 125, Skopje	Other/tobacco processing	5.500 milion tobaccos	40 pcs/y 0.8 m ³ /y	Solid Solid	20 01 21* 13 02 08*	lighting of premises Machines and systems for lubrication	Stored Stored

Vineam Farm Vinica	Village Peklani, Vinica	Other/pig farm	15.000 pigs	0.2 t/y	Liquid	13 02 06*	Company automobiles (tractor, track)	Stored
				6 m ³ /y	Solid	18 02 01*	Vaccination	Combustion
Zito Males Berovo	Village Smojmirovo, Berovo	Other/pig farm	15.000 pigs	0.2 t/y	Liquid	13 02 06*	Company automobiles (tractor, track)	Stored
				6 m ³ /y	Solid	18 02 01*	Vaccination	Combustion
Zivino Komerc AD Stip	St. Ribnik, Stip	Other/chicken farm	135.000 chickens	0.2 t/y	Liquid	13 02 06*	Company automobiles (tractor, track)	Stored
				0.012 t/y	Solid	18 02 01*	Vaccination	Stored
Zivino Komerc Ginovci I Psaca	Municipality Rankovce	Other/chicken farm		0.2 t/y	Liquid	13 02 06*	Company automobiles (tractor, track)	Stored
				0.012 t/y	Solid	18 02 01*	Vaccination	Stored
Melci Kavadarci	St. Industriska, Kavadarci	Landfill	300.000 m ³ deposited waste	0.02 t/y	Solid	16 06 01*; 16 06 02*	vehicles	Stored
				50 l/y	Liquid	13 02 07*	Waste motor oil	Stored
Derven Veles	St. Vardarska, Veles	Landfill	400-500 m ³ /day deposited waste	2 pcs/y = 0.01 t/y	Solid	16 06 01*	vehicles	Undertaken by mechanical shop
				No data	Liquid	13 01 11*; 13 02 06*	vehicles	
Isar Stip	St. General Mihajlo Apostolski No. 38, Stip	Landfill	900 000 m ³ deposited waste	2 pcs/y = 0.01 t/y	Solid	16 06 01*	vehicles	recycled reused
				50 l/y	Liquid	13 02 07*	vehicles	
Amak SP Ohrid	15 th Korpus No. 89, Ohrid	Metal industry	3.880 t/y	1. 5.04 m ³ /y 2. 360 m ³ /y 3. 2.496 t/y		1. 19 02 05* 2. 11 01 11* 3. 20 01 33*	1. WWTP 2. Surface protection plant 3. Garage - auto mechanical workshop	1. Landfill 2. Treatment 3. storage
Makstil Skopje	16 th Makedonska udarna brigada, No. 18, Skopje	Metal industry	500 000 t/y liquid steel 650 000 t/y thick tin	6720 t/y	Solid (dust)	10 02 07*	Dust from filter plant	disposal

Vesna SAP	St. Dimitrije Tucovik, No. 16, Skopje	Metal industry	24.000 t/y	1. 14.4 t/y 2. 16.5 t/y 3. 288 t/y 4. 240 t/y 5. 2.25 t/y 6. 420 t/y 7. / 8. /	1. solid (dust) 2. solid 3. solid 4. solid 5. liquid 6. solid 7. solid 8. solid	1. 10 04 04* 2. 10 04 02* 3. 10 04 05* 4. semi product 5. 06 06 01* 6. 10 04 01* 7. 16 01 07* 8. 16 11 03*	1. Mill unit 2. Foundry 3. Destroying old accumulators 4. Destroying old accumulators +pasta 5. Destroying old accumulators 6. Facility for recycling 7. Motors and hydraulics 8. Furnace for lead	1. recycling 2. recycling 3. recycling 4. recycling 5. WWTP 6. Landfil 7. / 8. /
Dojran Stil, s. Nikolic	St. 1, Nikolik, Dojran	Metal industry	1. Concrete iron in sticks – 100.000t/y 2. gabion nets for different purposes – 3.000t/y 3. nets for construction – 10.000t/y 4. holders for construction - 5.000t/y	1. 1.5 t/y 2. 0.48 t/y 3. 2,4 t/y 4. Not defined	1. liquid 2. liquid 3. solid 4. solid	1. 13 02 05* 2. 13 07 01* 3. 15 02 02* 4. 16 06 01*	1. from maintenance of the installation facilities 2. from fuel storage and forklifts 3. from production units of the installation 4. from production units of the installation	1. recycling 2. recycling 3. recycling 4. recycling
MZT Hepos	St. Pero Nakov, Skopje	Metal industry	359 kW 77 m3	1. 0,6 t/y 2. 0,5 m3/y 3. 0.24 t/y 4. 0,6 t/y 5. 4.32 t/y 6. 0,48 t/y	1. solid 2. liquid 3. liquid 4. liquid 5. liquid 6. solid	1. 12 01 18*; 2. 12 03 01* 3. 11 01 08* 4. 08 01 15* 5. 12 01 09* 6. 15 02 02*	1. unit for mechanical processing 2. unit for mechanical processing 3. unit for surface protection 4. cabin for painting 5. unit for mechanical processing of metals 6. unit for mechanical processing of metals	1. storage 2. Sewage 3. storage 4. storage 5. storage 6. treatment
FeNi Industry	Vozarci, Kavadarci	Metal industry	15.000t/y nickel	1. 1800 l/y 2. 3000 l 3. 2400 l 4. 1450 l 5. 300 l 6. 2 t 7. 1500 l/y 8. 1100 l/y	1. liquid 2. liquid 3. liquid 4. liquid 5. liquid 6. liquid 7. liquid 8. liquid	1. 13 02 2. 13 02 3. 13 02 4. 13 02 5. 13 02 6. 13 02 7. 13 02 8. 13 02	1. diesel aggregates 2. rotary kiln 3. / 4. crushers 5. in the whole smelter plant 6. workshops 7. loading	1. reuse 2. storage 3. storage 4. storage 5. storage 6. landfill 7. treatment 8. treatment

				9. 500 l/y 10. 15 000 kg 11. 200 l 12. 100-200 l 13. 50-100 l 14. 50-100 L 15. 10-20 pcs=20*5=0.1 t/y 16. 0.0148 t/y 17. 1200 l	9. liquid 10. liquid 11. liquid 12. liquid 13. liquid 14. liquid 15. solid 16. solid 17. solid	9. 13 02 10. 13 02 11. 13 03 12. 13 03 13. 13 03 14. 13 03 15. 16 06 01* 16. 16 06 02* 17. 16 06 06*	8. vehicles 9. trucks 10. in the whole smelter plant 11. from transformer switcher 12. from transformer switcher 13. from transformer switcher 14. from transformer switcher 15. / 16. waste Ni-Cd batteries 17. electrolyte from batteries and car batteries	9. treatment 10. storage 11. storage 12. storage 13. landfill 14. landfill 15. recycling 16. storage 17.treatment
Izolomont Skopje	St. Industriska, Skopje	Metal industry	2000 t/y	1. 0.5 t 2. no data 3. 4-8 t/y	1. solid 2. solid (mill) 3. solid (sludge)	1. 16 06 01* 2. 10 04 07* 3. 10 04 01*	1. procurement from landfill for using as raw material 2. sedimentation of waste water 3. foundry	1. storage 2. partly reused and partly land filled 3. reuse
MZT Larnica	St. Pero Nakov, Skopje	Metal industry	12.000 t/y	0.12 t/y 21.6 t/y	Liquid Solid (sludge)	13 02 05* 10 04 01*	1. from transformers 2.electric arc furnace	1. storage 2. storage
FENI New Drier	Vozarci, Kavadarci	Metal industry	No HW has been reported for this installation					
Recikl Eko Start Skopje	St. Puskinova No.11/3-21, Skopje	Metal industry	Refined lead – 10.000 t/y Lead alloys – 5000 t/y	1. 0.5 t 2. 50 t/y 3. 5 t/y 4. no data 5. 0.5 t/y 6. 10 t/y	1. solid 2. solid 3. solid 4. Solid 5. sludge 6. sludge	1. 16 06 01* 2. 10 04 01* 3. 10 04 04* 4. 10 04 05* 5. 13 05 02* 6. 10 04 07*	1. old lead accumulators 2. smelting lead in shaft and rotary kiln 3. system for flue gases treatment 4. system for flue gases treatment 5. mechanical waste treatment 6. plant for treatment and neutralization	1. storage 2. reuse 3. reused 4. / 5. landfill 6. reuse
Toranica mine IMM	St. Debarca No. 10, SKopje	Metal industry	/	1. 0.12 t/y 2. 0.084 t/y 3. 488148 t/y	1. solid 2. solid 3. solid	1.15 01 10* 2.16 06 01* 3. 01 04 07*	1. laboratory 2. vehicles 3. flotation	1.storage 2.recycled 3.treated

				4. 12.72 t/y 5. 0,2 t/y	4. solid 5. liquid	4. 15 01 10* 5. 16 07 08*	4. laboratory 5. maintenance	4. stored 5. landfill
Mine Rzanovo	Vozarci, Kavadarci	Metal industry	2 000 000 t/y	1. 20 pcs/y *20 kg = 0.4 t/y 2. 150 000 l/y 3. 1.2 t/y 4. 100 000 l 5. 8 t/y 6. 15 000 l 7. 0.25 t/y	1. solid 2. liquid 3. liquid 4. liquid 5. liquid 6. liquid 7. solid	1. 13 02 05* 2. 13 02 05* 3. 13 02 08* 4. 13 02 05* 5. 13 02 08* 6. 13 02 05* 7. 16 06 01*	1. lubrication 2. lubrication 3. lubrication 4. lubrication 5. lubrication 6. lubrication 7. vehicles	1. treated 2. treated 3. treated 4. burned 5. landfill 6. reused 7. landfill
Mine Sasa	St. Rudarska No. 28, M. Kamenica	Metal industry	850.000t/y	1. 24.31 t/y 2. 0.18 t/y 3. 644252.4 t/y 4. 7.2 t/y	1. solid 2. solid 3. solid 4. solid	1. 15 01 10 2. 16 06 01 3. 01 04 07* 4. 16 07 08*	1. laboratory 2. vehicles 3. flotation 4. maintenance	1. storage 2. recycling 3. landfill 4. treatment
Zletovo Mine	St. Debarca, Skopje	Metal industry	/	1. 0.12 t/y 2. 0.084 t/y 3. 488148 t/y 4. 12.6 t/y 5. 2.4 t/y	1. solid 2. solid 3. sludge 4. solid 5. liquid	1. 15 01 10* 2. 16 06 01* 3. 01 04 07* 4. 15 01 10* 5. 16 07 08*	1. Plastic barrels from technical acids NH4OH; 2. Lead accumulators from cars and agregat 3. Flotation slag; 4. Glass packaging from concentrated acids NH4OH; 5. Waste from cleaning that contain oil	1. Storage 2. landfill 3. storage 4. storage 5. storage
Jugohrom – Silmak	1215 Jegunovce	Metal industry	FeSi: 68.000 t/y; Si-metal 4.000 t/y	2.86 t/y	liquid	13 03 10*	Waste motor oil	storage
				2.64 t/y	liquid	13 02 05*	Waste motor oil	storage
				6.48 t/y	liquid	13 01 05*	Waste oil	storage
				0.24 t/y	Solid &liquid	16 02 09*	condensed batteries containing PCB	Disposal
				0.3 t/y	Solid &liquid	16 06 01*	Waste car batteries	disposal
				20 t /y 1.8 t/y	solid	16 01 04* 16 07 08*	Old vehicles Empty drums	landfill recycling
Skopski Leguri	16 th Makedonska brigada No. 18, Skopje	Metal industry	270000 t/y	240 t/y	solid	16 11 01*	Refractory bricks	reuse
				3000 l/y	Liquid	13 02 05*	Waste motor oil	Reuse
Kiro dandaro – printing and service activities	Gradski zid bb, Bitola	Other/surface treatment	7000 t/y	0.025 t/y	liquid	08 03 14*	Sludge from solvents recycling	Municipal landfill
				0.025 t/y	liquid	08 03 16*	Sludge from waste eching solution	Municipal landfill

				0.020 t/y	solid	08 03 99*	Wiping clothes	Municipal landfill
Evropa 92 - printing and service activities	Stipski pat bb, 2300 Kocani	Other/surface treatment	90000 t/y	0.025 t/y	liquid	08 03 14*	Sludge from solvents recycling	Municipal landfill
				0.025 t/y	liquid	08 03 16*	Sludge from waste eching solution	Municipal landfill
				0.020 t/y	solid	08 03 99*	Wiping clothes	Municipal landfill
11 Oktomvri AD - printing and service activities	ul.Lado Lapeco br.100, Prilep	Other/surface treatment	2700 t/y	0.01 t/y	solid	08 03 99*	Wiping clothes	Municipal landfill
				2.5 t/y	liquid	09 01 02*	Water based offset plate developer solutions	?
Radomak – pesticide production	s.Rsanicino, opstina Petrovec, Skopje	Chemistry	800 l/h	0.1 t/y	liquid	07 04 01*	Wash solution	On-site disposal
				0.2 t/y	solid	15 01 10*	Waste packaging	On-site disposal
Galafarm	ul.Crvena armija br.10, Skopje	chemistry	1100000 pieces	1.1 t/y	solid	07 05 13*	Obsolete pharmaceuticals	Drisla landfill
Balkanfarm	ul.Belasica bb, Skopje	chemistry	14 t/y tilozin bb and 12 t/y Tilozin bb phosphate	0.2 t/y	liquid	07 07 04*	organic solvents, washing liquids and mother liquors	Treated and reused
Lek – Skopje	Pero Nakov bb,Skopje	chemistry	Production: 20000000 pills Packaging: 28000000 pills	2 t/y	liquid	07 05 13*	Obsolete pharmaceuticals	Drisla landfill
				0.1 t/y	solid	07 05 13*	Packing	Drisla landfill
				0.2 t/y	solid	07 05 13*	Air cleaning cloth	Drisla landfill
Replek farm	ul.Kozle br.188, Skopje	chemistry	Production: 20000000 pills Packaging: 28000000 pills	2 t/y	liquid	07 05 13*	Obsolete pharmaceuticals	Drisla landfill
				0.1 t/y	solid	07 05 13*	Packing	Drisla landfill
				0.2 t/y	solid	07 05 13*	Air cleaning cloth	Drisla landfill
Agrokuper – production of chemical products	ul.Momin potok bb, Skopje	chemistry	10000 t/y	0.4 t/y	solid	15 02 02*	Wiping clothes	Drisla landfill
B – IPPC installations								
RZ Institute welding	St. 16 th Makedonska brigade No. 18, Skopje	Mineral	3240-3480 t/y	30 l/y	Liquid	13 02 08*	Waste motor oil	Incineration
UKA Komerc	St. 1, village, Ljubin	Other/food processing	20 t/day	0.25 t/y	solid	15 01 10*	Waste packaging	Disposal

Rimes	St. Pero Nakov, Skopje	Other/food processing	30 t/day	0.5 t/y	solid	15 01 10*	Waste packaging	Disposal
MAKBET DOO	Novoselski pat, Skopje	Mineral industry	70 m ³ /h	0.17 t/y	Liquid	13 01 01*	Waste motor and hydraulic oil	Reuse
				0.05 t/y		16 01 07*	Waste oil filters	Disposal
Zito Luks	3 rd Makedonsko udarna Brigada No. 44, Skopje	Other/food processing	a) 80 t/y; b) 150 t/y	Quantities not defines	liquid	13 02 07*	Waste motor oil	Disposal
Graphic center DOEEL	St. Skupi, Skopje	Other / Surface treatment	65 t/y	5080 l/y		09 01 04*	Waste chemicals	Disposal
Greenhouse Trnka Bogdanci	Regional road Bogdanci - Gevgelija	Other/greenhouse	44 MW	<0.1 t/y	Liquid	13 01 10*	Non-chlorinated hydraulic oils	Reuse
				<0.05 t/y	Liquid	13 02 05*	Motor oil	Reuse
				<0.05 t/y	Liquid	13 01 01*	Hydraulic oil	Store
				<0.1 t/y	Solid	02 01 08*	Agrochemical waste	Recycling
Kiro Kucuk	Rastanski pat, Veles	Mineral industry	310 t/day	120000 l/y	liquid	13 02 06*	Waste oil	Storage
				0.2 t/y	solid	16 01 07*	Waste filters	Storage
				6 pcs/y *5 kg = 0.03 t/y	solid	16 06 01*	Waste Pb car batteries	storage
University clinic center	Bul. Vodnjanska No. 17, Skopje	Energy	24 MW	50 l/y	liquid	13 07 01*	Waste fuel	Reuse
VIVAKS	st.3 rd Makedonska brigade, Skopje	Other/food processing	66 t/day	Not reported				
MEGA	Village Trubarevo, Skopje	Other/food processing	50 t/day	Not reported				
Tri brakja	St. Goca Ivanova, Skopje	Mineral industry	10.000 m ³ /y	0.2 t/y	liquid	13 01 10*	Mineral non-chlorinated hydraulic waste	Disposal
District heating "11 Oktomvri"	St. Mihail Cakov, Skopje	Energy	28.21 MW	Not reported				
District heating	St. Mihail	Energy	44 MW	No data		13 02 05*	Waste oil	

“Skopje – North	Cakov, Skopje							
DG “Beton” AD -RE Betonka Skopje	Bul. Srbija, Skopje	Mineral industry	45.500 t/y (aggregate) 35.000 t/y (concrete)	600 pcs/y	solid	16 01 07*	Waste oil filters	Treatment
				1.2 t/y	liquid	13 02 05*	waste motor oil	Treatment
				0.72 t/y	liquid	13 01 05*	Waste hydraulic oil	Treatment
				0.45 t/y	liquid	16 01 14*	Waste antifreeze from vehicles	Treatment
Vardar Gradba	Village Trubarevo	Mineral industry	36.000 t/y (aggregate) 22.000 t/y (concrete)	80 pcs/y	solid	16 01 07*	Waste oil filters	Treatment
				30 t/y	Liquid	13 02 05*	waste motor oil	Treatment
				12.9 t/y	liquid	13 01 05*	Waste hydraulic oil	Treatment
				0.096 t/y	Liquid	16 01 13*	Waste brake fluids	treatment
				3.7 t/y	liquid	16 01 14*	Waste antifreeze from vehicles	Treatment
Concrete base ADG AB	Village Zlokukjani	Mineral industry	80 m ³ /h	500 l/y	Liquid	13 02 08*	Waste oil	treatment
Beton Berovic	Village Batinci	Mineral industry	40 m ³ /h (320 m ³ /day)	200 l/y	Liquid	13 02 08*	Waste oil	treatment
Beton Goiva	St. Prvomajska, Skopje	Mineral industry	25.000 m ³ /y	0.3 t/y	Liquid	13 01 10*	Waste non-chlorinated oil	Reuse
Omja – IGM Vratnica	Kacanicki pat, Skopje	Mineral industry	6 t/h	Not reported	liquid	13 02 07*	Waste oils	
Rade Koncar-repair of electrical products	Bul. 3 rd Makedonska brigade, Skopje	Waste	200 t/y	360 l/y	liquid	08 01 13*	Sludge from dying process	Treatment
				300 kg/y	liquid	19 08 13*	Sludge from WWTP	disposal
				360 l/y	liquid	19 08 10*	from WWTP	Disposal
				450 l/y	liquid	13 02 05*	Waste transformer oils	disposal
				Not determined	solid	15 01 10*	Absorbents contaminated with oil	disposal
Furna Dime	St. Bosna and Hercegovina , Skopje	Other/bakery	30 t/y	180 l/y	liquid	13 02 07*	Waste motor oils	Sold out
				5 pcs/y* 5 kg = 0.025 t/y	Solid	16 06 01*	Waste Pb batteries	Treatment
Fustelarco Borec – printing and service activities	Industrijska bb, 7000 Bitola	Other/surface treatment	3500 ? 10-150 kg/h	0.025 t/y	liquid	08 03 14*	Sludge from solvents recycling	Municipal landfill
				0.025 t/y	liquid	08 03 16*	Sludge from waste eching solution	Municipal landfill
				0.020 t/y	solid	08 03 99*	Wiping clothes	Municipal landfill
AD Bim	Zeleznicka br.164, Sv.Nikole	Other/surface treatment	9900000 m2 bitumenous paper 40724 t bitumenous	1 t/y	liquid	05 01 09*	Sludge from WWTP	
				1 t/y	liquid	06 01 02*	HCl solution	Stabilization pond

			products	1 t/y	liquid	06 02 04*	NaOH solution	Stabilization pond
Zeleznik	Zvan Sopotnica, D.Hisar	Metal processing	-steel casting -500 t/y -granulating - 10000 t/y	80 t/y	solid	10 09 09*	Steel casting	Municipal landfill
EMO Steel pillars DOOEL Kicevo	Industriska, Kicevo	Metal processing	2000 t/y	0.7 t/y	liquid	12 01 08*	Oil emulsions	Storage
				8 t/y	solid	11 01 09*	filter cake form hot-deep galvanizing	On-site disposal
				4 t/y	solid	11 05 03*	Zinc dust	Recycle
				50 t/y	liquid	11 01 05*	Pickling solution	Recycle
Metalec	ul Industriski del bb Bitola	Other/surface treatment	1000 t/y	3 t/y	liquid	11 01 09*	sludge from enameling plant	
Kuprum	Voin Draskoci 31	Metal processing	1800 t/y	40 t/y	solid	10 03 08*	Secondary smelting slag	Contract
M.V.M. Kompani	Skopje	Metal processing	3600 t/y	20 t/y	solid	15 01 10*	Plastic packaging from car batteries	Contract
				100 t/y	solid	16 06 06*	Pasting of grids	Contract
				1 t/y	liquid	10 04 01*	Sludge	Contract
				1 t/y	liquid	10 04 07*	Sludge from gas treatment	Contract
LEOV Company	St. Vasa Kosulceva Veles	Metal processing	-HDG still – 200 kg/h -enamelling-1500 kg/h -painting – 10 kg/h	0.5 t/y	solid	11 05 03*	Solid waste from gas treatment	Recycling
				5 t/y	liquid	11 01 09*	Sludge from WWTP	
				0.1 t/y		12 01 09*	waste coating powder	Municipal landfill
Leov - Proluks	St. Krusevsko dzade, Prilep	Metal processing	700 t/y	0.3 t/y	liquid	13 01 09*	Sludge from electroplating	Storage
Silteks-Sileks Kratovo	St. Goce Delcev, Kratovo	Metal processing	10 000 000 m zippers; 18 000 000 m ribbon; 12 000 000 m elastic ribbon	10 t/y	solid	14 01 09*	Zink slag	
				5 t/y	solid	15 01 09*	Impregnated textile and elastomer	
				5 t/y	liquid	16 01 09*	sludge from WWTP	
				5 t/y	Liquid	17 01 09*	Sludge	
Ezerka	St. 15 th Korpus No.21, Ohrid	Metal processing	500 t steel sheets 1000 t ceramics 50000 pcs lighting parts	0.1 t/y	Liquid	19 01 09*	Paints	
EMO metal manufacturing and surface coating	Debarski pat Struga	Metal processing	1200 t/y	2 t/y	liquid	11 01 09*	Sludge from zink galvanizing	recycling
				0.6 t/y	liquid	11 01 09*	sludge from silver galvanizing	recycling
				2 t/y	liquid	11 01 09*	sludge from nickel galvanizing	recycling

RUEN International Technologies	St. 29 Noemvri No. 32, Kocani	Metal processing	5000 t/y	3 t/y	Liquid	11 01 08*	Sludge from phosphoriation	Municipal landfill (100 kg stored on- site)`
				1 t/y	Liquid	11 01 09*	Sludge and filter cake	Municipal landfill (50 kg stored on- site)`
				5 t/y	Liquid	12 01 07*	Waste oils	
				3 t/y		12 03 01*	Sludge from neutralization of wash liquor from surface protection	Treatment
Otex	St. 7 th Noemvri No. 181, Ohrid	Other/dying	1500000 pieces confection; 300000 blanked; 1000000 m artifiical furs; 200t woolyarn	1 t/y	Liquid	12 01 07*	Mineral oil	contract
				1.5 t/y	solid	15 02 02*	Wiping clothes	Municipal landfill