



**ENVIRONMENT
AGENCY**

Variation Notice with introductory note

Pollution Prevention and Control (England & Wales) Regulations 2000

Avonmouth Licensed Treatment
Centre

Wessex Water Services Limited
Bristol Waste Water Treatment
Works
Kings Weston Lane
Avonmouth
Bristol
BS11 0YS

Variation Notice Number
FP3834XC

Permit number
PP3634MG

Avonmouth Licensed Treatment Centre Permit Number FP3834XC

Introductory note

This introductory note does not form a part of the permit

The following notice is issued under regulation 17 of The Pollution Prevention and Control (England and Wales) Regulations 2000 (S.I.2000 No. 1973 (as amended) (the Regulations) to vary the conditions of a permit issued under the Regulations to operate an installation. The notice comprises schedule A containing conditions to be deleted, schedule B conditions to be amended and schedule C conditions to be added.

This variation notice introduces the following changes to the current permit;

An increase to the annual tonnages for non hazardous waste from 173,372 tonnes per year to 290,000 tonnes per year;

An increase to the annual tonnages for hazardous waste from 10,271 tonnes per year to 15,000 tonnes per year;

An increase to the number of waste codes listed in schedule 3 of the permit and the condensing of the tables in Schedule 3 into a single, rationalised list of wastes for acceptance and treatment at the site.

The installation of one additional holding tank which can be built up to a capacity of 370m³.

Status Log of the permit		
Detail	Date	Response Date
Application PP3634MG	Duly made: 06/12/06	-
Additional information received	Requested 18/06/07	10/07/07
	Requested 09/08/07	03/09/07, 24/09/07
	Requested 11/09/07	13/09/07
	Requested 13/09/07	17/09/07
	Requested 25/09/07	27/09/07
Permit PP3634MG determined	30/10/07	-
Variation Application FP3734XC	Duly Made: 07/03/08	-
Additional information received	Requested 09/04/08	15/04/08
	Requested 10/04/08	15/04/08
	Requested 29/04/08	16/05/08
	Requested 19/05/08	20/05/08
	Requested 28/05/08	12/08/08
	Requested 18/07/08	12/08/08
Variation notice FP3734XC issued	21/10/08	-

Superseded or Partially Superseded Licences/Authorisations/Consents relating to this installation

Holder	Reference Number	Date of Issue	Fully or Partially Superseded
Wessex Water Service Limited	EAWML 27215	14/05/92	Fully superseded

End of Introductory Note.

Variation Notice

Pollution Prevention and Control
(England and Wales) Regulations 2000

Variation Notice

Permit number

PP3634MG

Variation number

FP3834XC

The Environment Agency (the Agency) in exercise of its powers under Regulation 17 of the Pollution Prevention and Control (England and Wales) Regulations 2000 (SI 2000 No 1973) hereby varies the permit held by you

Wessex Water Services Limited ("the operator"),

whose registered office is

Wessex Water Operations Centre

Claverton Down Road

Claverton Down

Bath

BA2 7WW

company registration number **2366648**

to operate an installation at

Avonmouth Licensed Treatment Centre

Bristol Waste Water Treatment Works

Kings Weston lane

Avonmouth

Bristol

B11 0YS

to the extent set out in schedules A to C of this variation notice.

The notice shall take effect from 22/10/08

Signed

Date

	22 nd October 2008
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Martin Jenkins

Authorised to sign on behalf of the Agency

SCHEDULE A – CONDITIONS TO BE DELETED

1. The following tables are deleted;
Tables S3.3 and S3.4 in Schedule 3.

SCHEDULE B – CONDITIONS TO BE AMENDED

2. The following conditions and tables are amended;

Condition 2.3.3. shall be amended to read

- 2.3.3 Waste shall only be accepted if:
- (a) it is of a type and quantity listed in schedule 3 table S3.2; and
 - (b) it conforms to the description in the documentation supplied by the producer and holder; and
 - (c) it is only processed in the activities specified in Table S1.1 of Schedule 1.

Table S1.1 in Schedule 1 shall be amended to read;

Table S1.1 Activities		
Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
Section 5.3 Part A(1)(a): The disposal of hazardous waste (other than by incineration or landfill) in a facility with a capacity of more than 10 tonnes per day.	D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, in the grit chamber, screens and grease separator.	From receipt of hazardous waste as specified in Schedule 3 table S3.2 prior to dispatch of waste for disposal or further treatment at adjacent Waste Water Treatment Works. Maximum throughput 15,000 tonnes per year for treatment.
	D15 Storage of hazardous waste in Holding Tanks 1, 2 & 3 pending disposal.	From receipt of waste prior to dispatch of waste for disposal or further treatment at adjacent Waste Water Treatment Works. Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non-hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non-hazardous waste. Maximum storage time of 7 days from date of receipt for any waste.

Table S1.1 Activities

Activity listed in Schedule 1 of the PPC Regulations	Description of specified activity and WFD Annex IIA and IIB operations	Limits of specified activity and waste types
Section 5.3 Part A(1)(c)(ii): the disposal of non-hazardous waste in a facility with a capacity of more than 50 tonnes per day by physico-chemical treatment.	D9 Physico-chemical treatment not specified elsewhere in this Annex which results in final compounds or mixtures which are discarded by means of any operations numbered D1 to D12, in the grit chamber, screens and grease separator.	From receipt of waste as specified in Schedule 3 table S3.2 prior to despatch of waste for disposal or for further treatment at adjacent Waste Water Treatment Works. Maximum throughput 290,000 tonnes per year for treatment.
	D15 Storage of non-hazardous waste in Holding Tanks 1, 2 & 3 pending disposal.	From receipt of waste as specified in Schedule 3 table S3.2 prior to despatch of waste for disposal or for further treatment at adjacent Waste Water Treatment Works. Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non-hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non-hazardous waste. Maximum storage time of 7 days from date of receipt for any waste.
Directly Associated Activity		
Non-hazardous solid waste storage.	Storage of non-hazardous waste (screenings and grit) resulting from the physico-chemical treatment process prior to disposal at landfill or composting.	To be stored in an appropriate container suitable for their purpose to prevent spillage and contamination.
	Storage of non-hazardous waste (grease) resulting from the physico-chemical treatment process prior to anaerobic digestion.	To be stored in an appropriate container suitable for their purpose to prevent spillage and contamination.

Table S1.2 in Schedule 1 shall be amended to read;

Table S1.2 Operating techniques		
Description	Parts	Date Received
Application	The response to section 2.1 and 2.2 in the Application, excluding: 2.1.1, 2.1.11, 2.1.21, 2.1.12 Tables 2.4.1 and 2.4.2 of IPPC Application Report V1 dated 2 October 2006	06/12/06
Response to request for further information dated 18/06/07	All, excluding Appendix B – Full Waste List including EWC codes	10/07/07
Response to request for further information dated 09/08/07	All, excluding “List of Wastes.doc” and “HT Wastes.xls” All - Revised drainage plan and revised site plan	03/09/07 24/09/07
Response to request for further information dated 11/09/07	All	13/09/07
Response to request for further information dated 13/09/07	All	17/09/07
Response to request for further information dated 25/09/07	All	27/09/07
PPC Permit Variation application dated 19/02/08	Response to section C2, C3 & C4 in the Application, excluding; All Hazardous wastes in Appendix C apart from 07 05 01, 07 07 01, 08 01 19, 13 05 03, 16 03 05 & 16 07 08. The following Non hazardous wastes in Appendix C: 15 02 03, 19 05 03 & 20 03 07.	27/02/08
Response to request for information dated 09/04/08	Response to question 3 only.	15/04/08
Response to request for information dated 29/04/08	All	16/05/08
Response to request for information dated 19/05/08	All	20/05/08
Response to request for information dated 28/05/08	All	12/08/08
Response to request for information dated 18/07/08	All	12/08/08

Table S3.2 in Schedule 3 shall be amended to read;

Table S3.2 Permitted waste types and quantities for storage in Holding Tanks; and treatment in the grit chamber, screens and grease separator.

Maximum Quantity	Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non hazardous waste.
Waste code	Description
01	Wastes Resulting from Exploration, Mining, Quarrying, and Physical Chemical Treatment of Minerals.
01 01 02	waste from non-mineral metalliferous excavation
01 04 11	Waste from potash & rock salt processing other than those mentioned in 01 04 07
01 04 13	Waste from stone cutting and sawing other than those mentioned in 01 04 07
01 05 04	Freshwater drilling muds and wastes
02	Wastes from Agriculture, Horticulture, Aquaculture, Forestry, Hunting and Fishing, Food Preparation and Processing.
02 01 01	sludges from washing and cleaning
02 01 02	animal-tissue waste
02 01 03	plant tissue waste
02 01 06	animal faeces, urine and manure (including spoiled straw), effluent, collected separately and treated off site
02 01 07	waste from forestry
02 01 09	agrochemical waste other than those mentioned in 02 01 08
02 02 01	sludges from washing & cleaning
02 02 02	animal-tissue waste
02 02 03	materials unsuitable for consumption or processing
02 02 04	sludges from on-site effluent treatment
02 03 01	sludges from washing, cleaning, peeling, centrifuging and separation
02 03 02	wastes from preserving agents
02 03 03	wastes from solvent extraction
02 03 04	materials unsuitable for consumption or processing
02 03 05	sludges from on-site effluent treatment
02 04 01	soil from cleaning & washing beet
02 04 02	off specification calcium carbonate
02 04 03	sludges from on-site effluent treatment
02 05 01	materials unsuitable for consumption or processing
02 05 02	sludges from on-site effluent treatment
02 06 01	materials unsuitable for consumption or processing
02 06 02	wastes from preserving agents
02 06 03	sludges from on-site effluent treatment
02 07 01	wastes from washing, cleaning and mechanical reduction of raw materials
02 07 02	wastes from spirits distillation
02 07 03	wastes from chemical treatment
02 07 04	materials unsuitable for consumption or processing
02 07 05	sludges from on-site effluent treatment
03	Wastes from Wood Processing and the Production of panels and Furniture, Pulp, Paper and Cardboard.
03 03 02	Green liquor sludge
03 03 05	De inking sludges from paper recycling
03 03 07	Mechanically separated rejects from pulping of waste paper & cardboard

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Maximum Quantity	Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non hazardous waste.
Waste code	Description
03 03 09	lime mud waste
03 03 10	Fibre rejects, fibre-, filler-. Filling & coating sludges from mechanical separation
03 03 11	sludges from on-site effluent treatment other than those mentioned in 03 03 10
04	Wastes from the Leather, Fur and Textile Industries.
04 01 01	fleshing & lime split waste
04 01 02	liming waste
04 01 04	tanning liquor containing chromium
04 01 05	tanning liquor free of chromium
04 01 07	sludges, in particular from on site effluent treatment free of chromium
04 01 09	waste from dressing & finishing
04 02 10	Organic matter from natural products (for example grease, wax)
04 02 17	dyestuffs and pigments other than those mentioned in 04 02 16*
04 02 20	sludges from on-site effluent treatment other than those mentioned in 04 02 19
04 02 21	wastes from unprocessed textile fibres
04 02 22	wastes from processed textile fibres
06	Wastes from Inorganic Chemical Processes
06 05 03	Waste containing sulphides other than those mentioned in 06 06 02
07	Wastes from Organic Chemical Processes
07 01 01*	aqueous washing liquids and mother liquors
07 01 12	sludges from on-site effluent treatment other than those mentioned in 07 01 11*
07 02 12	sludges from on-site effluent treatment other than those mentioned in 07 02 11
07 02 15	Waste from additives other than those mentioned in 07 02 14
07 03 12	sludges from on-site effluent treatment other than those mentioned in 07 03 11
07 04 12	sludges from on-site effluent treatment other than those mentioned in 07 04 11
07 05 01*	aqueous washing liquids & mother liquors
07 05 12	sludges from on-site effluent treatment other than those mentioned in 07 05 11*
07 06 12	sludges from on-site effluent treatment other than those mentioned in 07 06 11
07 07 01*	aqueous washing liquids and mother liquors
07 07 12	sludges from on-site effluent treatment other than those mentioned in 07 07 11
08	Wastes from Manufacture, Formulation, Supply and Use (MFSU) of Coatings (Paints, varnishes and Vitreous Enamels), Adhesives, Sealants and Printing Inks
08 01 12	waste paint or varnish other than those mentioned in 08 01 11*
08 01 14	sludges from paint or varnish other than those mentioned in 08 01 13
08 01 15*	aqueous sludges containing paint or varnish containing organic solvents or other dangerous substances
08 01 16	Aqueous sludges containing paint or varnish other than those mentioned in 08 01 15
08 01 18	Wastes from paint or varnish removal other than those mentioned in 08 01 17
08 01 19*	aqueous suspensions containing paint or varnish containing organic solvents or other dangerous substances
08 01 20	aqueous suspensions containing paint or varnish other than those mentioned in 08 01 19*
08 02 02	Aqueous sludges containing ceramic material
08 02 03	Aqueous suspensions containing ceramic material
08 03 07	aqueous sludge waste containing ink

Table S3.2 Permitted waste types and quantities for storage in Holding Tanks; and treatment in the grit chamber, screens and grease separator.

Maximum Quantity	Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non hazardous waste.
Waste code	Description
08 03 08	aqueous liquid waste containing ink
08 03 13	waste ink other than those mentioned in 08 03 12*
08 03 15	Ink sludges other than those mentioned in 08 03 14
08 04 10	waste adhesives and sealants other than those mentioned in 08 04 09*
08 04 12	Adhesive & sealant sludges other than those mentioned in 08 04 09
08 04 14	Aqueous sludges containing adhesives or sealants other than those mentioned in 08 04 15
08 04 16	aqueous liquid waste containing adhesives or sealants other than those mentioned in 08 04 15*
10	Wastes from Thermal Processes
10 01 21	sludges from on-site effluent treatment other than those mentioned in 10 01 20
10 01 23	aqueous sludges from boiler cleansing other than those mentioned in 10 01 22*
10 01 26	Waste from cooling water treatment
10 02 12	Wastes from cooling waste treatment other than those mentioned in 10 02 11
10 02 14	sludges & filter cakes from gas treatment other than those mentioned in 10 02 13
10 02 15	Other sludges & filter cakes
10 03 26	sludges & filter cakes from gas treatment other than those mentioned in 10 03 25
10 03 28	Wastes from cooling water treatment other than those mentioned in 10 03 27
10 04 10	Wastes from cooling water treatment other than those mentioned in 10 04 09
10 05 09	Wastes from cooling water treatment other than those mentioned in 10 05 08
10 06 10	Wastes from cooling water treatment other than those mentioned in 10 06 09
10 07 05	Sludges & filter cakes from gas treatment
10 07 08	wastes from cooling water treatment other than those mentioned in 10 07 07
10 08 07	sludges & filter cakes from flue gas treatment other than those mentioned in 10 08 17
10 08 20	wastes from cooling water treatment other than those mentioned in 10 08 19
10 11 14	glass-polishing and –grinding sludge other than those mentioned in 10 11 13*
10 12 05	sludges & filter cakes from gas treatment
10 12 08	waste ceramics, bricks, tiles and construction products (after thermal processing)
10 12 13	sludge from on site effluent
10 13 07	sludges & filter cakes from gas treatment
10 13 14	waste concrete & concrete sludge
11	Wastes from Chemical Surface Treatment and Coating of Metals and other Materials; Non-Ferrous Hydro-Metallurgy
11 01 14	degreasing wastes other than those mentioned in 11 01 13*
11 01 06*	acids not otherwise specified
12	Wastes from Shaping and Physical and Mechanical Surface Treatment of Metals and Plastics
12 01 09*	machining emulsions and solutions free of halogens
12 01 14*	machining sludges containing dangerous substances
12 01 15	machining sludges other than those mentioned in 12 01 14*
12 01 21	spent grinding bodies and grinding materials other than those mentioned in 12 01 20*
13	Oil Wastes and Wastes of Liquid Fuels (except edible oils, and those in chapters 05, 12 and 19)
13 05 01*	solids from grit chambers and oil/water separators

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Maximum Quantity	Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non hazardous waste.
Waste code	Description
13 05 03*	Interceptor sludges
13 05 06*	oil from oil/water separators
13 05 07*	oily water from oil/water separators
16	Wastes not otherwise specified in the list
16 01 15	antifreeze fluids other than those mentioned in 16 01 14*
16 03 04	inorganic wastes other than those mentioned in 16 03 03*
16 03 05*	organic wastes containing dangerous substances
16 03 06	organic wastes other than those mentioned in 16 03 05*
16 07 08*	waste containing oil
16 07 09*	waste containing other dangerous substances
16 10 01*	aqueous liquid wastes containing dangerous substances
16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01*
16 10 03*	aqueous concentrates containing dangerous substances
16 10 04	aqueous concentrates other than those mentioned in 16 10 03*
17	Construction and Demolition Wastes (including excavated soil from contaminated sites)
17 05 06	dredging spoil other than those mentioned in 17 05 05*
17 09 04	mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*
18	Wastes from Human and Animal Health Care and/or Related Research (except kitchen and restaurant wastes not arising from immediate health care)
18 01 04	wastes whose collection and disposal is not subject to special requirements in order to prevent infection(for example dressings, plaster casts, linen, disposable clothing, diapers) – to include only “dental casting waste water and inorganic solids <30%”
18 01 07	Chemicals other than those mentioned in 18 01 06
18 01 09	medicines other than those mentioned in 18 01 08*
18 02 03	Waste whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	Chemicals other than mentioned in 18 02 05
18 02 08	Medicines other than those mentioned in 18 02 07
18 02 03	Waste whose collection and disposal is not subject to special requirements in order to prevent infection
18 02 06	Chemicals other than mentioned in 18 02 05
18 02 08	Medicines other than those mentioned in 18 02 07
19	Wastes from Waste Management Facilities, Off-site Waste Water Treatment Plants and preparation of Water Intended for Human Consumption and Water for Industrial Use
19 02 03	Premixed wastes composed only of non-hazardous wastes
19 02 06	Sludges from physico/chemical treatment other than those mentioned in 19 02 06
19 05 01	Non-composted fraction of municipal & similar waste
19 05 02	Non composted fraction of animal and vegetable waste
19 06 03	Liquor from anaerobic treatment of municipal waste
19 06 04	Digestate from anaerobic treatment of municipal waste
19 06 05	Liquor from anaerobic treatment of animal & vegetable waste
19 06 06	Digestate from anaerobic treatment of animal & vegetable waste
19 07 02*	landfill leachate containing dangerous substances

Table S3.2 Permitted waste types and quantities for storage in Holding Tanks; and treatment in the grit chamber, screens and grease separator.

Maximum Quantity	Maximum storage capacity for holding tanks 1 & 2: 100m ³ for both hazardous and non hazardous waste. Maximum storage capacity for holding tank 3: 370m ³ for both hazardous and non hazardous waste.
Waste code	Description
19 07 03	Landfill leachate other than those mentioned in 19 07 02
19 08 01	Screenings
19 08 02	Waste and desanding
19 08 05	Sludges from treatment of urban waste water
19 08 08*	membrane system waste containing heavy metals
19 08 09	Grease & oil mixture from oil/water separation containing only edible oil & fats
19 08 12	Sludges from biological treatment of industrial waste water other than those mentioned in 19 08 11
19 08 14	Sludges from other treatment of industrial waste water other than those mentioned in 19 08 13
19 09 02	Sludges from water clarification
19 09 03	Sludges from decarbonisation
19 09 05	Saturated or spent ion exchange resins
19 09 06	Solutions & sludges from regeneration of ion exchangers
19 12 12	Other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11
19 13 06	Sludges from groundwater remediation other than those mentioned in 19 13 05
19 13 08	Aqueous liquid wastes and aqueous concentrates from groundwater remediation other than those mentioned in 19 13 07
20	Municipal Wastes (Household waste and similar commercial, industrial and institutional wastes) Including separately collected fractions
20 01 08	Biodegradable kitchen and canteen waste
20 01 25	Edible oil and fat
20 01 28	Paints, inks, adhesives & resins other than those mentioned in 20 01 27
20 01 30	Detergents other than those mentioned in 20 01 29
20 02 01	Biodegradable waste
20 02 03	Other non biodegradable waste
20 03 01	Mixed municipal waste
20 03 02	Waste from markets
20 03 03	Street cleaning residues
20 03 04	Septic tank sludge
20 03 06	Waste from sewer cleaning

Table S4.1 in Schedule 4 shall be amended to read;

Table S4.1 Point source emissions to air – emission limits and monitoring requirements

Emission point ref. & location	Parameter	Source	Limit (incl. unit)	Reference period	Monitoring frequency	Monitoring standard or method
Vents from Holding Tanks 1, 2 & 3.	No parameters set	Holding tanks 1, 2 & 3	No limit set	--	--	Permanent sampling access not required.

SCHEDULE C – CONDITIONS TO BE ADDED

3. No conditions or tables have been added.