

KELULUSAN CADANGAN PINDAAN/TAMBAHAN DOKUMEN (CPD)

Peneraju Proses: Pejabat Penasihat Undang-Undang

Mencadangkan Borang Permohonan Cadangan/Tambahan Dokumen (CPD) untuk mendapatkan kelulusan pada Mesyuarat Bulanan Pejabat Penasihat Undang-Undang Bil. 7/2014 pada 12 Disember 2014 dan tarikh kuatkuasa pada **23 Januari 2015**

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
EMS 1/2015	Pejabat Penasihat Undang-Undang	TIADA	<p><u>ENVIRONMENT QUALITY (CLEAN AIR) REGULATIONS 2014</u></p> <p><u>[P.U.(A) 151/2014]</u></p> <p><u>Obligation to comply</u> <u>Regulation 4</u> <u>(2) An owner of every existing premises, including that which is not subject to any condition on limit values for air pollutants whether on the licence issued or approval granted for the operation of the existing facility, shall, on or before the expiry of five years from the date on which these Regulations come into operation, take such measures as may be necessary to comply with the opacity and limit values as specified in regulations 12 and 13.</u></p> <p><u>(3) Notwithstanding subregulation (2), where there is a justified complaint or evidence of nuisance, and in the opinion of the Director General compliance with regulations 12 and 13 should be accelerated, the Director General may serve upon the owner or occupier of the existing premises a notice in writing requiring compliance within such shorter reasonable period as the Director General may direct.</u></p> <p><u>Obligation to notify</u> <u>Regulation 5</u> <u>(1) The University shall give prior written notification to the Director General to—</u></p>	T

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>(a) carry out any change in operation of the University's premises;</u></p> <p><u>(b) carry out any work on any premises that may result in a source of emission;</u></p> <p><u>(c) construct on any land, any building or premises designed or used for a purpose that may result in a new source of emission;</u></p> <p><u>(d) make, cause, or permit to be made any change of, to, or in any plant, machine, or equipment used or installed at the premises that causes a material change in the quantity or quality of emission from an existing source; or</u></p> <p><u>(e) carry out any changes or modifications to an existing air pollution control system.</u></p> <p><u>(2) The written notification shall be submitted to the Director General not less than thirty days before the commencement of such work in such form as determined by the Director General.</u></p> <p><u>Measures to reduce emission</u></p> <p><u>Regulation 6</u> <u>If the University is involved in any activity or industry listed in the First Schedule, the University shall incorporate measures to reduce the emission of air pollutants to the atmosphere in accordance with the Best Available Techniques Economically Achievable determined by the Director General.</u></p> <p><u>Air pollution control system</u></p> <p><u>Regulation 7</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>(1) The University shall be equipped with an air pollution control system in accordance with the specifications as determined by the Director General.</u></p> <p><u>(2) The University shall appoint a professional engineer to design and supervise the construction of the air pollution control system.</u></p> <p><u>(3) The University shall operate and maintain the air pollution control system in accordance with sound engineering practice and ensure that all components of the air pollution control system are in good working condition.</u></p> <p><u>(4) The operation of the air pollution control system shall be supervised by a competent person who shall be on duty at all times during the operation of the air pollution control system.</u></p> <p><u>(5) The University and the professional engineer shall submit a written declaration to the Director General, in such form as determined by the Director General, within thirty days after the commencement of operations at the University premises, certifying that the design and construction of the air pollution control system have complied with the specifications referred to in subregulation (1).</u></p> <p><u>(6) The University shall submit to the Director General as-built drawings that show the placement of any works or structures that form part of the air pollution control system within thirty days after the commencement of the operations at the University premises.</u></p> <p><u>Failure in operations of air pollution control system</u></p> <p><u>Regulation 8</u></p>	

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		Asal	Baharu	
			<p><u>The Director General shall be notified not later than one hour from the occurrence of a failure in the case of failure in the operations of the air pollution control system.</u></p> <p><u>Performance monitoring of air pollution control system</u></p> <p><u>Regulation 9</u> <u>The University shall—</u></p> <p><u>(a) equip the premises with relevant facilities, equipment or instruments to conduct performance monitoring of the air pollution control system; and</u></p> <p><u>(b) conduct performance monitoring of the components of the air pollution control system as determined by the Director General.</u></p> <p><u>Maintenance of records</u></p> <p><u>Regulation 10</u></p> <p><u>(1) The University shall maintain records of manufacturing processes, and of maintenance and performance monitoring of the air pollution control system as determined by the Director General.</u></p> <p><u>(2) The records shall be kept for at least three years and shall be made available for inspection by the Director General or any officer duly authorized in writing by him.</u></p> <p><u>Change in occupancy</u></p> <p><u>Regulation 11</u></p>	

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		Asal	Baharu	
			<p><u>Where the University becomes the occupier of any premises licensed under section 11 of the Act in succession to another person, then the conditions and restrictions of the licence shall be binding on the University from the change in occupancy notwithstanding that the University has not applied for a transfer of the licence or that its application for the transfer of the licence has not been determined.</u></p> <p><u>Opacity</u></p> <p><u>Regulation 12</u></p> <p><u>(1) The University shall not cause, allow or permit emissions which are—</u></p> <p><u>(a) darker than shade No. 1 on the Ringlemann Chart when observed or recorded with such instrument or device as the Director General may specify; or</u></p> <p><u>(b) greater than 20% opacity when measured with a transmissometer.</u></p> <p><u>(2) Subregulation (1) shall not apply—</u></p> <p><u>(a) where the emission is not darker than shade No. 2 on the Ringlemann Chart for an aggregate of less than five minutes in any period of one hour, provided that the total period of such emissions do not exceed an aggregate of fifteen minutes in any period of twenty four hours;</u></p>	

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		Asal	Baharu	
			<p><u>(b) in cases of start-up conditions where the emission is not darker than shade No. 2 on the Ringlemann Chart.</u></p> <p><u>(3) If the University emits 2.5 kilograms per hour of dust or more or has a potential to emit smoke darker than shade No. 2 on the Ringlemann Chart, it shall install and operate a transmissometer in accordance with the specifications as stipulated by the Director General.</u></p> <p><u>(4) The averaging time for opacity measurement using a transmissometer shall be one minute.</u></p> <p><u>(5) If the University is specified by the Director General for the purpose of paragraph (1)(b), it shall install and operate a transmissometer according to the specifications stipulated by the Director General.</u></p> <p><u>Limit values and technical standards</u></p> <p><u>Regulation 13</u></p> <p><u>(1) All activities and industries specified in the First Schedule shall comply with the limit values and technical standards as specified in the Second and Third Schedules, as the case may be.</u></p> <p><u>(2) Unless otherwise specified, the emission shall be calculated in terms of mass of pollutant per volume of the waste gases (expressed as mg/m³), assuming standard conditions for</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>temperature and pressure for dry gas (volume at 273 K, 101.3 kPa).</u></p> <p><u>(3) Notwithstanding subregulation (1), any fuel burning equipment that is rated to consume pulverized fuel or any solid fuel at 30 kilograms or more per hour or any liquid or gaseous matter at 15 kilograms or more per hour shall comply with the limit values and technical standards as specified in the Second Schedule.</u></p> <p><u>(4) For the purpose of this regulation, the threshold values listed in the Third Schedule are met when the total capacity of one or more facilities of a particular category of activity in the same premises exceeds the respective threshold values of that category.</u></p> <p><u>(5) The limit values and technical standards for emission of dioxin and furan is expressed as 2, 3, 7, 8 tetrachlorinated dibenzo-para-dioxin toxicity equivalent which is calculated by summing the concentration of each 2, 3, 7, 8 congener in the sample multiplied by the appropriate Toxicity Equivalency Factors (TEFs) as prescribed in the Fourth Schedule.</u></p> <p><u>Prohibition on emission dilution</u> <u>Regulation 14</u></p> <p><u>(1) The University shall not dilute, or cause or permit to be diluted, any emission at any time or point before it is emitted to the atmosphere.</u></p> <p><u>Hazardous substances</u> <u>Regulation 15</u></p> <p><u>(1) The University shall use the best practicable means to prevent the emission of hazardous substances and to render</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>harmless and inoffensive those substances necessarily discharged.</u></p> <p><u>(2) In the case of the use or handling or unintentional release of hazardous or toxic substances, the limit values and technical standards prescribed in the Fifth Schedule shall apply.</u></p> <p><u>Periodic monitoring</u></p> <p><u>Regulation 16</u></p> <p><u>(1) The University shall conduct periodic monitoring if required under the relevant Schedules.</u></p> <p><u>(2) Periodic monitoring shall be carried out once a year and shall be conducted by a competent person unless otherwise directed by the Director General.</u></p> <p><u>(3) The University shall ensure that the first monitoring for new facilities is carried out after three months, but no later than six months, from the commencement of operation of such premises.</u></p> <p><u>(4) The University shall submit a periodic monitoring report in accordance with the specifications as determined by the Director General and any samples shall be analyzed by an accredited laboratory.</u></p> <p><u>(5) The University shall keep any record of periodic monitoring under this regulation for at least three years and shall be made available for inspection by the Director General or any officer duly authorized in writing by him.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Continuous emission monitoring Regulation 17</u></p> <p><u>(1) In addition to periodic monitoring under regulation 16, the University shall carry out continuous emission monitoring as specified in the Second and Third Schedules.</u></p> <p><u>(2) For purposes of continuous emission monitoring, the measuring device shall comply with the specifications as determined by the Director General.</u></p> <p><u>(3) For continuous emission monitoring, the limit values are complied with if the evaluation of the results for the operating period within any one calendar year shows that no daily average exceeds the emission standard, and no half-hour average exceeds the emission standard more than two times.</u></p> <p><u>(4) The University shall make evaluations of the continuous emission monitoring in a calendar year, whereby for each calendar day, the daily mean value that relates to the daily operating time shall be derived from the half-hourly mean values.</u></p> <p><u>(5) The University shall submit to the Director General the results of evaluations within three months after the end of each calendar year, and such evaluation results are to be kept and maintained by the University for at least 3 years.</u></p> <p><u>(6) In the event where emission standards exceed the prescribed limit values, the University shall notify the Director</u></p>	

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		Asal	Baharu	
			<p><u>General within twenty-four hours from the discovery of the excess emission.</u></p> <p><u>(7) In the event a monitoring device fails to operate, the University shall notify the Director General not later than one hour from the occurrence of such failure.</u></p> <p><u>Emission declaration</u></p> <p><u>Regulation 18</u></p> <p><u>(1) If the university carry out any of the activities or industries specified in the First Schedule, the University shall for every calendar year submit to the Director General an emission declaration in such form as determined by the Director General.</u></p> <p><u>(2) The emission declaration shall be submitted as follows:</u></p> <p><u>(a) in the case of an existing premises, no later than eighteen months from the date on which these Regulations come into operation; and</u></p> <p><u>(b) in the case of a new premises, the first emission declaration shall be submitted twelve months after the date the facility commences its operations, but no later than eighteen months from such date.</u></p> <p><u>(3) In the event of a change in occupancy, the new owner or occupier shall submit an emission declaration for the next calendar year.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Accidental emission</u></p> <p><u>Regulation 21</u></p> <p><u>(1) The University shall inform the Director General of any occurrence of an accidental emission at the University premises immediately upon discovery of the accidental emission.</u></p> <p><u>(2) The University shall, to every reasonable extent, contain, cleanse or abate the accidental emission in the manner satisfactory to the Director General.</u></p> <p><u>Standard method of sampling and analysis of emissions</u></p> <p><u>Regulation 23</u></p> <p><u>The sampling and analysis of pollutants shall be carried out in accordance with the Malaysian Standards MS 1596 or MS 1723 or the Methods published by the United States Environmental Protection Agency or any other standards as determined by the Director General.</u></p> <p><u>Prohibition order</u></p> <p><u>Regulation 24</u></p> <p><u>(1) In the event of any, and where in the opinion of the Director General, the continued operation of any premises or process in question should not be permitted in order to safeguard public health, safety or welfare, the Director General may by notice in writing issue an order to the owner or occupier of a premises prohibiting the further operation of such premises or process absolutely or conditionally, or for such period as he may direct,</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>or until remedial requirements as directed by him have been complied with.</u></p> <p><u>(2) If the University receives the Director General’s prohibition order under subregulation (1) for any undesirable occurrence at its premises as specified in the Sixth Schedule, the University shall not operate such premises until the prohibition order is withdrawn.</u></p> <p><u>Licence required to contravene acceptable conditions for emitting emissions into</u></p> <p><u>Atmosphere</u></p> <p><u>Regulation 25</u></p> <p><u>(1) The University may apply for a licence under subsection 22(1) of the Act to contravene the acceptable conditions of emission of pollutants into the atmosphere specified under regulations 12 and 13.</u></p> <p><u>(2) An application for a licence under subregulation (1) shall be accompanied by—</u></p> <p style="padding-left: 40px;"><u>(a) a report on emission of pollutants characterization;</u> <u>and</u></p> <p style="padding-left: 40px;"><u>(b) the licence fee as specified in regulation 27.</u></p> <p><u>Fees</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 27</u></p> <p><u>(1) The fee to apply for a licence, including for renewal of a licence under regulation 25 is one thousand ringgit and shall not be refundable.</u></p> <p><u>(2) Payment of the fee shall be made by money order, postal order, bank draft or electronic payment to the Director General who shall issue a receipt upon payment.</u></p> <p><u>False or misleading information</u></p> <p><u>Regulation 28</u></p> <p><u>The University shall not provide any information under these Regulations which is known to be false or, in any material respect, misleading and shall be guilty of an offence and shall be liable to a fine not exceeding one hundred thousand ringgit or to imprisonment for a term not exceeding two years or to both.</u></p> <p><u>Penalty</u></p> <p><u>Regulation 29</u></p> <p><u>If the University contravenes or fails to comply with any provisions of these Regulations, the University shall be guilty of an offence and shall be liable to a fine not exceeding one hundred thousand ringgit or to imprisonment for a term not exceeding two years or to both.</u></p> <p><u>Revocation</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 30</u></p> <p><u>(1) The Environmental Quality (Clean Air) Regulations 1978 [P.U. (A) 280/1978] and the Environmental Quality (Dioxin and Furan) Regulations 2004 [P.U. (A) 104/2004] are revoked (hereinafter referred to as “the revoked Regulations”).</u></p> <p><u>(2) Any applications made under the revoked Regulations for a licence to contravene the acceptable conditions, including any renewal or transfer of such licence, and any applications made for written permission under the revoked Regulations which are pending immediately before the date of the coming into operation of these Regulations shall, after the date of the coming into operation of these Regulations, be dealt with under the revoked Regulations and for such purposes such applications shall be treated as if these Regulations had not been made.</u></p> <p><u>(3) All licences issued and written permissions granted under the revoked Regulations shall, after the date of the coming into operation of these Regulations, continue to remain in full force and effect until the licence expires, is amended, suspended or cancelled or the written permission expires or is revoked under the revoked Regulations and for such purpose such licences and written permissions shall be treated as if these Regulations had not been made.</u></p> <p><u>(4) The provisions of the revoked Regulations relating to the acceptable conditions for emission of air pollutants emitted into the atmosphere shall continue to apply for a period of five years after the date of coming into operation of these Regulations if on the date of the coming into operation of these Regulations—</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>(a) any work on any construction of any emission control system has not commenced within one year from the date of issuance of the written permission for its construction immediately before the date of the coming into operation of these Regulations;</u></p> <p><u>(b) any work on any construction of any emission control system has commenced but has not been completed immediately before the date of coming into operation of these Regulations; or</u></p> <p><u>(c) any work on any construction of any emission control system has been completed but has not begun operations before the date of the coming into operation of these Regulations.</u></p> <p><u>(5) Any proceeding, whether civil or criminal, commenced under the revoked Regulations and are pending on the date of the coming into operation of these Regulations shall, on the date of the coming into operation of these Regulations, be continued and concluded under the revoked Regulations and for such purposes it shall be treated as if these Regulations had not been made.</u></p> <p><u>FIRST SCHEDULE</u></p> <p><u>(Regulation 6 and 13)</u></p> <p><u>ACTIVITIES AND INDUSTRIES SUBJECT TO THE BEST AVAILABLE TECHNIQUES ECONOMICALLY ACHIEVABLE (BAT)</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>1. Fuel burning, including heat and power generation in boilers, combustion turbines or generator sets for combined heat and power production.</u> Fuel burning: Heat and power generation in: Boilers or gas turbines with a total capacity > 10 MWe; Generator sets for combined heat and power production with a total capacity ≥ 3 MWe.</p> <p><u>2. Production and processing of ferrous metals (iron and steel mills) in all sizes, including:</u></p> <p>(a) metal ore roasting or sintering facilities;</p> <p>(b) facilities for the production of pig iron or steel (primary or secondary fusion) including continuous casting; and</p> <p>(c) facilities for the processing of ferrous metals (hot rolling mills).</p> <p><u>3. Ferrous metal foundries with the capacity of ≥ 1 ton molten metal per day.</u></p> <p><u>4. Production and processing of non-ferrous metals with the capacity of ≥ 0.5 tons per day for lead or cadmium, or ≥ 2 tons per day for other metals.</u></p> <p><u>5. Oil and gas industries in all sizes, including refineries, natural gas processing and storage, storage and handling of petroleum products.</u></p> <p><u>6. Non-metallic (mineral) industry in cement production in all sizes, including:</u></p> <p>(a) manufacture of glass, including glass fibre with the capacity of ≥ 1 ton of</p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>product per day; and</u> <u>(b) manufacture of ceramic products by firing, in particular roofing tiles, ceramic glass, bricks, refractory bricks, tiles, stoneware or porcelain with the capacity of \geq 10 tons of product per day.</u></p> <p><u>7. All stationary asphalt mixing plants.</u></p> <p><u>8. Pulp and paper industry, including paper recycling in all sizes.</u></p> <p><u>9. Chemical and petrochemical industry in all sizes, including:</u></p> <p><u>(a) production of inorganic chemicals, including gases (ammonia, chlorine, hydrogen chloride, sulphur dioxide); acids (hydrofluoric acid, phosphoric acid, nitric acid, hydrochloric acid, sulphuric acid, oleum), bases, salts and fertilizers (NPK);</u></p> <p><u>(b) production of organic chemicals, including hydrocarbons, vinyl chloride monomer (VCM), oxygen-containing sulphurous, nitrogenous or phosphorous hydrocarbons, basic plastic material, synthetic rubber, dyes and surface-active agents and surfactants;</u></p> <p><u>(c) production of pharmaceutical products, plant health products and biocides; and</u> <u>(d) mixing and packaging of chemicals, pesticides, pharmaceutical products with the capacity of \geq 5 tons of product per day.</u></p> <p><u>10. Solvent use in industry:</u> Facilities for the surface treatment of substances, objects or products using organic solvents, in particular for dressing, printing, coating, degreasing, waterproofing, sizing, painting, cleaning or impregnating, fat extraction, with a solvent consumption capacity of more than 200 tonnes per year.</p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>11. Waste incinerators in all sizes.</u></p> <p><u>SECOND SCHEDULE</u></p> <p><u>(Regulation 13)</u></p> <p><u>Limit values and technical standards (general) are illustrated under Second Schedule.</u></p> <p><u>THIRD SCHEDULE</u></p> <p><u>(Regulation 13)</u></p> <p><u>Limit values and technical standards (By activity or industry) are illustrated under Third Schedule.</u></p> <p><u>FOURTH SCHEDULE</u></p> <p><u>Toxicity Equivalents Factor (TEFs) for Dioxin and Furan</u></p> <p><u>Chlorine Position Component Equivalents Factor</u></p> <p><u>DIOXIN</u></p> <p><u>(a) 2,3,7,8 Tetrachlorodibenzodioxin (TCDD) 1</u></p> <p><u>(b) 1,2,3,7,8 Pentachlorodibenzodioxin (PeCDD) 0.5</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>(c) 1,2,3,4,7,8 Hexachlorodibenzodioxin (HxCDD) 0.1</u></p> <p><u>(d) 1,2,3,7,8,9 Hexachlorodibenzodioxin (HxCDD) 0.1</u></p> <p><u>(e) 1,2,3,6,7,8 Hexachlorodibenzodioxin (HxCDD) 0.1</u></p> <p><u>(f) 1,2,3,4,6,7,8 Heptachlorodibenzodioxin (HpCDD) 0.01</u></p> <p><u>(g) 1,2,3,4,6,7,8,9 Octachlorodibenzodioxin (OCDD) 0.001</u></p> <p><u>FURAN</u></p> <p><u>(a) 2,3,7,8 Tetrachlorodibenzofuran (TCDF) 0.1</u></p> <p><u>(b) 2,3,4,7,8 Pentachlorodibenzofuran (PeCDF) 0.5</u></p> <p><u>(c) 1,2,3,7,8 Pentachlorodibenzofuran (PeCDF) 0.05</u></p> <p><u>(d) 1,2,3,4,7,8 Hexachlorodibenzofuran (HxCDF) 0.1</u></p> <p><u>(e) 1,2,3,7,8,9 Hexachlorodibenzofuran (HxCDF) 0.1</u></p> <p><u>(f) 1,2,3,6,7,8 Hexachlorodibenzofuran (HxCDF) 0.1</u></p> <p><u>(g) 2,3,4,6,7,8 Hexachlorodibenzofuran (HxCDF) 0.1</u></p> <p><u>(h) 1,2,3,4,6,7,8 Heptachlorodibenzofuran (HpCDF) 0.01</u></p> <p><u>(i) 1,2,3,4,7,8,9 Heptachlorodibenzofuran (HpCDF) 0.01</u></p> <p><u>(j) 1,2,3,4,6,7,8,9 Octachlorodibenzofuran (OCDF) 0.001</u></p> <p><u>FIFTH SCHEDULE</u></p> <p><u>(Regulation 15)</u></p> <p><u>Emission standards for hazardous substances</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>1. In the case of emissions originating from incineration or fuel burning the oxygen content in the emission shall not be less than 3%.</u></p> <p><u>2. Gaseous and volatile organic compounds shall be indicated as total organic carbon.</u></p> <p><u>3. The limit values shall be measured periodically.</u></p> <p><u>4. As to an occurrence of substances of one category belonging to different classes, the cumulation rule shall apply. The cumulation rule means that:</u></p> <p><u>(a) The total emission standards of class (2) may not be exceeded if substances of classes (1) and (2) occur simultaneously in waste gas.</u></p> <p><u>(b) The emission standards of class (3) may not be exceeded as a total if substances of classes (1) and (3), of classes (2) and (3) or of classes (1) to (3) occur simultaneously in waste gas.</u></p> <p><u>5. A list of the most relevant substances in each category are given in the List of Hazardous Substances document. The Director General may include other substances in each category listed in the List Of Hazardous Substances Under Regulation 15, Environmental Quality (Clean Air) Regulations 2013 document.</u></p> <p><u>6. In this Schedule, "Toxicity Equivalent" or "TEQ" means toxicity equivalents in comparison to 2, 3, 7, 8, tetrachlorinateddibenzo-para-dioxin which is also known as 2, 3, 7, 8 tetrachlorodibenzodioxin or 2, 3, 7, 8 TCDD.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Category (1) Extremely hazardous substances</u></p> <p><u>A substance is categorized as extremely hazardous on the basis of extreme toxicity, persistence and tendency towards accumulation. For extremely hazardous substances no limit mass flow or emissions standard applies but the requirement to minimize emissions applies instead. In general, for unintentional releases of Category (1) substances a limit value of 0.1 ng TEQ/m³ shall apply.</u></p> <p><u>Category (2) Carcinogenic substances</u></p> <p><u>For substances classified as hazardous the following limit value shall apply to the sum</u></p> <p><u>of all occurring carcinogenic substances in a gas flow:</u></p> <p><u>Class (1) In the case of an untreated mass flow of 0.5 grams/hour or more an emission standard of 0.10 mg/m³ applies.</u></p> <p><u>Class (2) In the case of an untreated mass flow of 5 grams/hour or more an emission standard of 1 mg/m³ applies.</u></p> <p><u>Class (3) In the case of an untreated mass flow of 25 grams/hour or more an emission standard of 5 mg/m³ applies.</u></p> <p><u>Category (3) Gaseous and volatile organic substances</u></p> <p><u>Class (1) In the case of an untreated mass flow of 0.10 kilograms/hour or more an emission standard of 20 mg/m³ applies.</u></p> <p><u>Class (2) In the case of an untreated mass flow of 2.0 kilograms/hour or more an emission standard of 100 mg/m³ applies.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Class (3) In the case of an untreated mass flow of 3.0 kilograms/hour or more an emission standard of 150 mg/m³ applies.</u></p> <p><u>If more than one emission standard applies to a group of substances, the lowest standard will be the norm for the sum of all substances in accordance with the cumulation rule.</u></p> <p><u>Fugitive NMVOC emissions shall be minimized by suitable control measures such as those mentioned in the Guidance Document on Fugitive Emission Control.</u></p> <p><u>Category (4) Gaseous and volatile inorganic substances</u></p> <p><u>(a) Volatile inorganic substances other than Oxides of Sulfur and Oxides of Nitrogen</u></p> <p><u>Class (1) In the case of an untreated mass flow of 10 grams/hour or more for each substance an emission standard of 1.0 mg/m³ applies.</u></p> <p><u>Class (2) In the case of an untreated mass flow of 50 grams/hour or more for each substance an emission standard of 5.0 mg/m³ applies.</u></p> <p><u>Class (3) In the case of an untreated mass flow of 300 grams/hour or more for each substance an emission standard of 30 mg/m³ applies.</u></p> <p><u>In the case of gaseous and volatile inorganic substances the cumulation rule shall not apply.</u></p> <p><u>(b) Oxides of Sulfur and Oxides of Nitrogen</u></p> <p><u>General limit values for oxides of sulphur (sum of SO₂ and SO₃ expressed as SO₂) and</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>oxides of nitrogen (sum of NO and NO2 expressed as NO2):</u></p> <p><u>In the case of an untreated mass flow of 5.0 kilograms/hour or more for each substance</u> <u>an emission standard of 400 mg/m³ shall apply if not stated otherwise in the Third Schedule.</u></p> <p><u>Category (5) Particulate inorganic substances</u></p> <p><u>Class (1) In the case of an untreated mass flow of 1.0 grams/hour or more an</u> <u>emission standard of 0.20 mg/m³ applies.</u></p> <p><u>Class (2) In the case of an untreated mass flow of 5.0 grams/hour or more an</u> <u>emission standard of 1.0 mg/m³ applies.</u></p> <p><u>Class (3) In the case of an untreated mass flow of 25 grams/hour or more an</u> <u>emission standard of 5.0 mg/m³ applies.</u></p> <p><u>If more than one emission standard applies to a group of substances, the lowest value</u> <u>will be the norm for the sum of all substances in accordance with the cumulation rule.</u> <u>Fugitive particulate emissions shall be minimized by suitable control measures as determined by the Director General.</u></p> <p><u>Category (6) Fibres</u></p> <p><u>Biopersistent ceramic fibres (for example, consisting of aluminium silicate, aluminium</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>oxide, silicon carbide, potassium titanate) in waste gases shall not exceed 1.5 x 10⁴ fibres/m³. Fibre here means a particle with a length in excess of 5 µm, a width of less than 3 µm and a length/width ratio of more than 3:1.</u></p> <p><u>SIXTH SCHEDULE</u></p> <p><u>(Regulation 24)</u></p> <p><u>List of undesirable occurrence</u></p> <p><u>1. Where there is justified complaint or evidence of nuisance, and non-installation of control equipment.</u></p> <p><u>2. Breakdown or non-operation of control equipment.</u></p> <p><u>3. Pollution cases that seriously threaten the environment or public health and safety which warrant immediate halt.</u></p> <p><u>4. Premises that experiences industrial disaster such as fire, explosion and the like which may pose serious risk to the environment or the public in the vicinity.</u></p> <p><u>5. Serious environmental pollution which gives rise to frequent complaints and upon investigation, the complaints are found to be justified and the premises are flouting the directives of the Director General.</u></p> <p><u>6. Premises which frequently commit similar offences despite having been subject to various legal actions by the Director General such as notices, directives, compounds or court actions.</u></p> <p><u>7. Pollution cases which cause serious negative impacts to life and there is evidence indicating that the premises do not make</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>sufficient effort to overcome the pollution problems.</u></p> <p><u>8. Serious environmental pollution with wide coverage in mass media and there is evidence indicating that the pollution occurred as a result of absence, non-operation or malfunctioning of the air pollution control system in the premises.</u></p>	
		TIADA	<p><u>NATURAL RESOURCES AND ENVIRONMENT ORDINANCE (CHAPTER 84) (LAW OF SARAWAK) 1958</u></p> <p><u>PART III</u></p> <p><u>Conservation and Improvement of Natural Resources and Protection of the Environment</u></p> <p><u>Section 10(2)</u></p> <p><u>The University shall comply with any of the order(s) for conservation of natural resources and protection of the environment made by the controller as provided under section 10 (2) such as the mode, manner and places for discharge of water, sewage and other effluence into any inland waters and the emission of smoke in the atmosphere.</u></p> <p><u>Section 10(3)</u></p> <p><u>If the University, without reasonable cause, fails, neglects or refuses to comply with or carry out any order under section 10(2) made by the Controller under subsection (1) shall be guilty of an offence: Penalty, in the case of a first offence, imprisonment for one year and a fine of ten thousand ringgit and, in the case of a second or subsequent offence, imprisonment for two years and a fine of twenty thousand ringgit. A court in addition to any penalty imposed shall also make an order requiring the University to comply with the order of the Controller within such times as the court may specify.</u></p>	T

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahhan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Section 10(4)</u> <u>Without prejudice to subsection (3), where an order made under subsection (1) is not complied with by the University subject thereto, the Board may direct in writing, an Environmental Authority, to execute, implement or carry out the requirements of such order or complete all works or acts stipulated therein, and to recover the costs thereby incurred from the person who fails, neglects or refuses to comply with the order.</u></p> <p><u>Section 10(5)</u> <u>If the University receives an advance or incentive to carry out an order made under subsection (1), and then fails, neglects or refuses to comply with the order, or where an Environmental Authority is directed to execute the works under subsection (4), such advance, incentive or the amount of costs and expenses incurred in carrying out and complete the requisite works, shall be a debt due by the University to the Government and until the costs and expenses thereof are fully discharged, interest shall be charged or levied thereon at the rate of ten per centum per annum.</u></p> <p><u>Section 11A(1)</u> <u>The University shall submit the report to the Board for any related activities mentioned under 11A(1)(a) to (j) on the impact of such activities on the natural resources and environment and any other particulars or information as may be required by the Board.</u></p> <p><u>Section 14(1)</u> <u>The University must aware that the Controller have the right to enter upon any land or premises of the University at all reasonable times with such men, animals, vehicles, appliances and instruments and to do all such acts thereon as are necessary for or incidental to the exercise of the aforesaid powers or the performance of the aforesaid duties.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Section 14(2)(b)</u> <u>The University shall entitle to the damages and compensation, which shall paid by the Government or the Environmental Authority if there is a damage incidental to or consequent on work done to carry out an order made under section 10. The compensation may, in default of agreement, be claimed and determined on the appropriate court.</u></p> <p><u>PART V1</u> <u>MISCELLANEOUS PROVISIONS</u></p> <p><u>Section 30(1)</u> <u>If the University carries out or causes or permits to be carried out open burning of refuse or other combustible materials on any land; or uses or causes or permits to be used, any land for the deposit of refuse, without written permission of the Controller, the University shall be guilty of an offence: Penalty, a fine of twenty thousand ringgit and imprisonment for three years.</u></p> <p><u>Section 30(2)</u> <u>If the University without the written permission of the Controller, cuts, destroys or burns vegetation in any area which is not Native Customary Land or Native Area Land, shall be guilty of an offence: Penalty, a fine of thirty thousand ringgit and imprisonment for three years.</u></p> <p><u>Section 30A</u> <u>If the University knowingly does any act or conducts any activity which pollutes or contaminates any inland waters; or submits a report pursuant to an order made under section 11A, containing facts, data or information which he knows or has reason to believe is false or calculated to deceive the Board, the University shall be guilty of an offence: Penalty, a fine of fifty thousand ringgit and imprisonment for five years."</u></p> <p><u>Section 30B(1)</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>The University shall not carrying out any activity or function that may cause pollute or cause or permit to be polluted any soil or surface of any land unless permitted by the Board,</u></p> <p>Section 30B(2) <u>The University shall be deemed to polute any soil or surface of any land if he commit any of the act provided under section 30B(2) (a)-(b).</u></p> <p>Section 30B(3) <u>If the University commit any of the act provided under section 30B(2)(a)-(b), the University is subjected to the punishment provided under section 30B(3).</u></p>	
		TIADA	<p><u>WATER ORDINANCE 1994 (The Water Supply Regulations 1995)</u></p> <p><u>Regulation 3(3)</u> <u>Compliance with Standard</u> <u>If the University fails to comply with any of the terms or conditions imposed by an authorized officer under this regulation shall be guilty of an offence: Penalty, a maximum fine of five thousand ringgit or imprisonment for up to two years or both as mentioned under regulation 157.</u></p> <p><u>Regulation 4</u> <u>Fittings to comply with Regulations</u> <u>The University shall not, for the purpose of conveying, delivering, receiving, or using water supplied by a water supply authority</u> <u>(a) use any water fitting which is of such a nature or is so arranged or connected as to cause or permit, or be likely to cause or permit waste, undue consumption, misuse, erroneous measurement or contamination of water in the pipes or supply</u></p>	T

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>systems, or reverberation or undue pressure fluctuations in pipes;</u> <u>(b) use any water fitting which is not in accordance with the requirements of these Regulations as may be applicable; or</u> <u>(c) arrange, connect, disconnect, alter or renew any water fitting in contravention against any of these Regulations.</u></p> <p><u>Regulation 5(2)</u> <u>Special provision relating to fittings in existence when Regulations commence</u> <u>If the University fails, after having been given one month's notice in writing by a water supply authority, to alter or renew any such fitting, an authorized officer may enter upon the premises whereon such fitting is situated and make such alteration thereto or to remove the same as may be necessary, and may recover the costs thereby incurred from the University.</u></p> <p><u>Regulation 7(1)</u> <u>Restrictions on use of pumps or other apparatus</u> <u>The University must obtain the written consent from the water supply authority for the instalation of pumps or other apparatus.</u></p> <p><u>Water treatment chemicals</u> <u>Regulation 8</u> <u>The University must ensure not to use the chemical other than approved by the State Water Authority for the treatment of water and the use of storage of such approved chemicals shall be in accordance to the methods, specifications and practice approved by the State Water Authority.</u></p> <p><u>Pipes approved by State Water Authority</u> <u>Regulation 11</u> <u>Every service pipe, distribution pipe or mains shall be of materials approved by, and comply with the specifications of the State Water Authority.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Test pressure of pipes</u> <u>Regulation 12</u> <u>Every service pipe or distributing pipe or mains shall be of sufficient strength to withstand a test pressure as specified in the relevant Approved Standard for the appropriate type and class of pipe.</u></p> <p><u>Joints of pipes</u> <u>Regulation 13</u> <u>The joints used for each pipe shall be of the type approved by the State Water Authority.</u></p> <p><u>Ductile iron, cast iron and grey iron pipes</u> <u>Regulation 14(1)</u> <u>Every service pipe or distributing pipe or water mains including spigot, socket, flanged or other fittings shall comply with the relevant Standards listed as Items 1, 2, 3, and 4 in the First Schedule.</u></p> <p><u>Regulation 14(2)</u> <u>Every pipe and pipe fittings shall be effectively protected against internal and external corrosion according to the requirement of the State Water Authority.</u></p> <p><u>Wrought iron and steel pipes</u> <u>Regulation 15(1)(a)</u> <u>Every service pipe or distributing pipe or mains of wrought iron or steel shall comply with the requirements of the Standard listed as Item 5 in the First Schedule for steel tubes and tubular and shall be not less than the dimensions specified for “heavy tube” in the Second Schedule.</u></p> <p><u>Regulation 15(1)(b)</u> <u>Every pipe shall be efficiently protected against external corrosion and, unless forming part of closed circuit from which</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>water is not drawn, against internal corrosion. Such protection shall comply with the requirements of the State Water Authority.</u></p> <p><u>Regulation 15(2)</u> <u>Every malleable cast iron fitting used in connection with any such pipe shall comply with the standard of malleable cast iron and cast copper alloy screwed pipe fittings for steam, air, water, gas and oil.</u></p> <p><u>Regulation 15(3)</u> <u>All pipe threads used in connection with such pipe or associated fittings shall comply with the standard of pipe threads for tubes and fittings where pressure-tight joints are made on the thread.</u></p> <p><u>Polyethylene pipes</u> <u>Regulation 16</u> <u>Every service pipe or distributing pipe or water mains of polyethylene (PE) material shall comply the standard Polyethylene (PE) pipes for water supply. PE pipes of nominal outer diameter of 32 millimetres or smaller shall be of minimum nominal pressure rating of 10 bars and pipes with nominal outer diameter above 32 millimetres shall be of minimum nominal pressure rating of 6 bars. All PE fittings for pipes up to 110 millimetres shall be of the single piece extrusion moulded type.</u></p> <p><u>Jointing of PE pipes</u> <u>Regulation 17</u> <u>Polyethylene pipes and fittings shall be jointed by electrofusion joints or butt fusion joints or compression joints. Pipes and fittings including stub ends for butt or electrofusion joints must be of compatible materials, suitable for jointing by fusion with each other.</u></p> <p><u>Sleeve for polyethylene pipe</u> <u>Regulation 18</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Polyethylene pipes crossing drains, streams, concrete apron, pavement or through, a wall must be placed inside a sleeve of welded seamless heavy steel tube, ductile iron pipe or mild steel pipe.</u></p> <p><u>Copper pipes</u> <u>Regulation 19(1)</u> <u>Every service pipe or distributing pipe of copper connected by means of screw joints shall comply with the Standard listed as Item 6 in the First Schedule and the thread of joints shall comply with the standard of threads for light gauge copper tubes and fittings.</u></p> <p><u>Regulation 19(2)</u> <u>Copper alloy pipe fittings and copper alloy three piece fittings or unions for use with copper pipes with screw thread shall comply with the standard of capillary and compression tube fittings of copper and copper alloy.</u></p> <p><u>Regulation 19(3)</u> <u>Cast copper alloy pipe fittings for copper pipes with screw thread shall comply with the Standard for malleable cast iron or cast copper alloy fittings as in standard of malleable cast iron and cast copper alloy screwed pipe fittings for steam, air, water, gas and oil.</u></p> <p><u>Copper pipes for capillary or compression fittings</u> <u>Regulation 20</u> <u>Every service pipe or distributing pipe of copper to be connected by means of capillary fittings or compression fittings or silver brazing or bronze or autogeneous brazing shall comply with the Standard listed as standard of copper tubes for water, gas and sanitation. For pipes laid underground, half hard straight or annealed copper tubes in coils suitable for underground application shall be used. For pipes not laid under the ground, half hard straight or hard drawn copper tubes shall</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>be used.</u></p> <p><u>Unplasticised polyvinyl chloride (uPVC) pipes</u> <u>Regulation 21(1)</u> <u>Every service pipe or distributing pipe of unplasticised polyvinyl chloride (uPVC) shall comply with Standard listed as Item 8 in the First Schedule. uPVC of 25 millimetres diameter or smaller shall be of minimum Class E and pipes above 25 millimetres diameter shall be of minimum Class D.</u></p> <p><u>Regulation 21(2)</u> <u>uPVC pipes and fittings are to be jointed by solvent cement or mechanical joints complying with the Standard of mechanical joints and fittings principally of unplasticised PVC.</u></p> <p><u>Sleeve for uPVC pipe</u> <u>Regulation 22</u> <u>uPVC pipes crossing drains, streams, concrete apron, pavement or through a wall must be placed inside a sleeve of welded seamless heavy steel tube, ductile iron pipe or mild steel pipe.</u></p> <p><u>Stainless steel pipes</u> <u>Regulation 23</u> <u>Every service pipe or distributing pipe of stainless steel shall comply with the Standard listed as seamless and welded austenitic stainless steel pipes and tubes for pressure purposes.</u></p> <p><u>Any other pipes materials</u> <u>Regulation 24</u> <u>Pipes of any material not specifically mentioned or provided for in these Regulations must be approved by the State Water Authority before it can be used as service pipe or distributing pipe. The pipe and system shall be able to withstand field test pressure of 18 bars or twice the working pressure, whichever is the greater. Such pipe shall not have any adverse effect on water quality and must have documents, proofs or certificates from recognised Institution to substantiate its suitability for</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>conveyance of potable water.</u></p> <p><u>Lead pipes not to be used</u> <u>Regulation 25</u> <u>No service pipe or distributing pipe or water main or pipe fittings shall be of lead or lead alloy.</u></p> <p><u>Types and classes of pipes approved</u> <u>Regulation 26</u> <u>The types and classes of pipes approved for use by the State Water Authority are shown below:-</u> <u>(a) Asbestos cement pipes; Class 20 and Class 25.</u> <u>(b) Ductile Iron Pipes: Class K9.</u> <u>(c) Polyethylene Pipe: PN6 and PN10. (High Density)</u> <u>(d) uPVC Pipes: Class 'D' for 32 mm diameter and above. Class 'E' for 25 mm diameter and below.</u> <u>(e) Welded and seamless steel pipes (screwed-type). All classes: Light, Medium, Heavy).</u> <u>(f) Welded and seamless carbon steel pipes for general pressure purpose.</u></p> <p><u>Water mains laying specification, approved by the water supply authority</u> <u>Regulation 27</u> <u>All pipes and water mains are to be installed and constructed by pipe fitters or mainslayers licensed by the State Water Authority and shall comply with all requirements and specifications approved by a water supply authority.</u></p> <p><u>Compliance with standards</u> <u>Regulation 28</u> <u>All designs and specifications, the type of fittings and the installation shall be in accordance with the requirements of a water supply authority. A water supply authority may require that relevant documents be submitted for approval prior to the commencement of any construction or installation works.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahkan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Support and alignment</u> <u>Regulation 29</u> <u>Every pipe shall be firmly supported in proper position and in correct alignment to prevent air locks, movement or reverberation in the pipe.</u></p> <p><u>Bends and curves in pipes</u> <u>Regulation 30</u> <u>No bend or curve in any pipe shall be made so as to materially diminish the waterway or alter the internal diameter of the pipe.</u></p> <p><u>Underground pipes, etc.</u> <u>Regulation 31</u> <u>Every pipe laid under the ground shall be reasonably protected from corrosion and risk of injury. Pipes that are not beneath a building, shall be laid with a minimum cover depth of 600 millimetres for pipes under roadway and pavement and 500 millimetres for all other pipes:</u> <u>Provided that this regulation shall not apply to any pipe which is used only for a temporary purpose.</u></p> <p><u>Protection of pipes generally</u> <u>Regulation 32(1)</u> <u>Every pipe laid or installed shall be of suitable corrosion-resistant material or effectively protected against corrosion or deterioration in the environment in which the pipe is laid or installed.</u></p> <p><u>Regulation 32(2)</u> <u>No pipe shall be so laid into or through any landfill, ash pit or manure pit, sewer, drain or cesspool, or any manhole connected therewith. Pipes shall not be laid through or allowed to remain in contact with any foul soil or any material of such a nature that is likely to cause undue deterioration of such pipe. Where the laying of any such pipe through foul soil or injurious material cannot be avoided, the pipe shall be effectively</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>protected from contact with such soil or material either by an external corrosion resisting sleeve or tape or by some other approved protection.</u></p> <p><u>Regulation 32(3)</u> <u>Every pipe that is in a position which renders it susceptible to damage shall be provided with proper and adequate protection.</u></p> <p><u>Protection of water fittings</u> <u>Regulation 33</u> <u>Every water fitting, other than a warning pipe or other overflow pipe, laid or fixed in such a position, whether inside or outside a premises, as to render it liable to damage or injury from any cause, shall be properly and adequately protected from such damage or injury:</u> <u>Provided that this regulation shall not apply to any pipe used only for a temporary purpose.</u></p> <p><u>Accessibility of water fittings</u> <u>Regulation 34</u> <u>Every water fitting within a building shall, so far as is reasonably practicable, be so placed as to be readily accessible for examination, repair or replacement:</u> <u>Provided that pipes may be runned in chases on the inner or upper surface of walls and floors and may be embedded therein in mortar and covered with plaster, tiling or other finishes but shall not be cast into concrete floors or walls as part of the floor or wall.</u></p> <p><u>Pipes not to convey water not supplied by the water supply authority</u> <u>Regulation 35</u> <u>No service pipe or distributing pipe used for the conveyance of water supplied by a water supply authority and no cistern used for the reception of such water shall be used, or so connected</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>that it can be used for the conveyance or reception of any water which is not supplied by that water supply authority or which though supplied by that water supply authority has, prior to its conveyance by such pipe or its reception by such cistern, been used for any purpose:</u> <u>Provided that where the water supplied from the water supply authority's mains to any cistern is discharged into the air not less than 150 millimetres above the top edge or top of overflow level of such cistern this regulation shall not apply to such cistern or to any distributing pipe leading therefrom.</u></p> <p><u>Connection to water-closet or urinal</u> <u>Regulation 36</u> <u>No pipe, other than a flushing pipe leading from a flushing apparatus, shall deliver water to the pan of any water-closet or to any urinal.</u></p> <p><u>Service pipe not to be connected to distributing pipe</u> <u>Regulation 37</u> <u>No service pipe shall be connected to a distributing pipe, or to a pump suction or delivery pipe.</u></p> <p><u>Standard of fittings</u> <u>Regulation 38</u> <u>All specials and fittings connected with any pipe shall be of Approved Standard and rated for and capable of withstanding the test pressure to which the pipe will be subjected.</u></p> <p><u>Pipework arrangement</u> <u>Regulation 39</u> <u>Sufficient long screws, unions or fittings of similar nature, shall be provided in all service and distributing pipes to allow for the replacing of faulty piping without excessive damage to pipeworks and premises.</u></p> <p><u>Submarine mains</u> <u>Regulation 40</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Submarine mains and pipelines shall be subjected to pressure and leakage tests prior to launching into the streams or rivers and all testing and launching procedures shall comply with the requirements specified by a water supply authority.</u></p> <p><u>Testing of watermains for acceptance</u> <u>Regulation 41</u> <u>Testing of completed watermains for purpose of acceptance by a water supply authority must be carried out in the presence of an authorised officer and the test will deem to have been passed, if it satisfies all the requirements specified by these Regulations.</u></p> <p><u>Stop tap</u> <u>Regulation 42</u> <u>Every service pipe shall be provided with a stop tap by a water supply authority. The stop tap shall be connected to the inlet side of the meter in a position to be fixed and determined by a water supply authority. If placed below ground or where the water supply authority deems necessary, that water supply authority may require the consumers to construct a covered box with suitable removal cover or other suitable chamber for the stop tap:</u> <u>Provided that a stop tap in private premises shall be placed as near as is reasonably practicable to the point from which the service pipe enters those premises and on the side of the meter near the main.</u></p> <p><u>Inside stop valves</u> <u>Regulation 43(1)</u> <u>In addition to any stop tap fitted by a water supply authority in pursuance of regulation 42, every service pipe supplying water to any premises, or to any part of a premise, the supply to which is separately chargeable, shall be fitted with a stop valve, and as near as practicable to the meter and on the consumer's side of the meter.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 43(2)</u> <u>Where a premise consists of two or more storeys then every service or distributing pipe supplying water to each storey of the premise shall be fitted with a stop valve inside and as near as practicable to the point of entry of where the service or distributing pipe enters each storey of the premise.</u></p> <p><u>Regulation 43(3)</u> <u>Where a building consist of flats, flatted factory units or other separately occupied units, then every service or distributing pipe supplying water to each flat, factory or unit shall be fitted with a stop valve as near as is reasonably practicable to the point where the service or distributing pipe enters each flat, factory or unit.</u></p> <p><u>Regulation 43(4)</u> <u>No stop valve fitted in accordance with this regulation shall be a plug cock or plug valve.</u></p> <p><u>Regulation 43(4)</u> <u>Every valve or tap shall comply with any of the Standards listed as Items 23, 24, 25 or 26 in the First Schedule.</u></p> <p><u>Stop valve on outlet pipe</u> <u>Regulation 44</u> <u>A stop valve shall be fitted on every outlet pipe other than a warning pipe, from a storage cistern and as near to the cistern as practicable.</u></p> <p><u>Draw-off taps</u> <u>Regulation 45(1)</u> <u>Every draw-off tap of either bib, pillar, globe, stop and ball types or parts of such taps shall be of the type approved by the State Water Authority.</u></p> <p><u>Regulation 45(2)</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Every draw-off tap of the normal screw-down pattern shall comply with the Standard listed as Item 24 in the First Schedule.</u></p> <p><u>Regulation 45(3)</u> <u>Every draw-off tap not of the normal screw-down pattern, must be capable of withstanding a hydrostatic test pressure of 20 bars and every valve, spindle, and other internal part and the body, shall be made of a corrosion-resistant material.</u></p> <p><u>Air valves installation</u> <u>Regulation 46</u> <u>Air valves shall be provided and installed according to the requirements of a water supply authority.</u></p> <p><u>Surface boxes</u> <u>Regulation 47</u> <u>Surface boxes for hydrants, sluice valves and air valves on road surfaces, concrete pavement and footpath shall be of the heavy duty class, complying with the Standard stipulated as Item 44 in the First Schedule.</u></p> <p><u>Joints for suspended pipes</u> <u>Regulation 48</u> <u>Where pipes have with unsupported section exceeding a single pipe length, the joints for the unsupported section, shall be of the flanged joint or welded joint or screwed joint.</u></p> <p><u>Ball valves</u> <u>Regulation 49(1)</u> <u>Every ball valve of piston or diaphragm type shall comply with the Standard listed as Item 26 in the First Schedule.</u></p> <p><u>Regulation 49(2)</u> <u>Every ball valve shall comply with the following requirements:</u> <u>(a) every ball tap or valve shall close against a working pressure of 14 bars, and while held mechanically in the closed position,</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>shall be capable of withstanding a pressure of 20 bars;</u> <u>(b) the valve shall be provided with a washer of good quality rubber or some other equally suitable material enclosed in an internally flanged cap screwed to the piston;</u> <u>(c) all parts of the valve shall be of a corrosion-resistant material; the lever shall be of material and dimensions of sufficient rigidity so that it will not bend under working conditions, and the float shall be of copper or suitable corrosion-resistant material;</u> <u>(d) copper float shall comply with the Standard listed as Item 28 in the First Schedule;</u> <u>(e) plastic float shall be used only for cold water systems and shall comply with Standard listed as Item 29 in the First Schedule.</u></p> <p><u>Ball valve installation</u> <u>Regulation 50</u> <u>Every ball valve fitted to a storage cistern or a flushing system shall be securely and rigidly fixed thereto above the water-line, and shall be supported independently of the inlet pipe (unless such inlet pipe is itself rigid and rigidly fixed to the cistern), in such a position that no part of the body of the tap or valve will be submerged when the cistern is charged to its overflowing level.</u></p> <p><u>Air hole in outlet chambers of ball valve</u> <u>Regulation 51</u> <u>Where a ball valve is provided with a pipe so arranged as to discharge water into a cistern below its overflowing level, an air hole shall be provided in the outlet chamber of the tap or valve above such level and of a size sufficient to prevent back siphonage of water through the valve.</u></p> <p><u>Positions of draw-off taps</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 52</u> <u>An authorized officer may direct that any tap or taps on any premises supplied with water from the mains shall be removed or placed in or shifted to such positions within the premises as will most effectively prevent waste and may refuse to supply or to continue to supply water to such premises until such directions are complied with.</u></p> <p><u>Draw-off taps on service pipes</u> <u>Regulation 53(1)</u> <u>An efficient draw-off tap or taps of a screw-down type shall be provided on the service pipe in every premises for drawing off water for drinking or cooking purposes.</u></p> <p><u>Regulation 53(2)</u> <u>A draw-off tap on service pipes shall be so fixed that their outlets are at least 35 millimetres above the top edge of any tub, jar or sink into which the water may discharge.</u></p> <p><u>Attachment to draw-off taps on service pipes</u> <u>Regulation 54</u> <u>No attachment or fitting except of a type approved by the water supply authority shall be fixed to the outlet of any tap on a service pipe to act as a means of silencing the discharge or preventing the splashing of water from the tap.</u></p> <p><u>Provision of storage cisterns</u> <u>Regulation 55</u> <u>Storage cisterns shall be provided according to these Regulations, when required by the water supply authority.</u></p> <p><u>Storage cistern</u> <u>Regulation 56</u> <u>Every storage cistern shall be watertight, of adequate strength,</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>properly and securely supported and shall be constructed of corrosion-resistant materials approved by the State Water Authority.</u></p> <p><u>Mild steel storage cistern</u> <u>Regulation 57</u> <u>Every storage cistern of galvanised mild steel and having a capacity not exceeding 4500 litres shall comply with the requirements for Grade A cisterns contained in the Standard listed as Item 30 in the First Schedule.</u></p> <p><u>Polyethelene or polypropylene storage cistern</u> <u>Regulation 58</u> <u>Every storage cistern of polyethylene or polypropylene shall comply with the Standard listed as Item 34 in the First Schedule.</u></p> <p><u>Positioning of storage cistern for domestic supply</u> <u>Regulation 59</u> <u>Every storage cistern shall comply with the following:</u> <u>(a) be located in a position such that the water therein will not be prone or susceptible to contamination;</u> <u>(b) easily accessible for the purpose of inspection, cleaning and maintenance of the interior and exterior;</u> <u>(c) provided with a vermin and insect proof but not air tight cover;</u> <u>(d) properly and securely supported.</u></p> <p><u>Ball valve and inlet to storage cistern</u> <u>Regulation 60(1)</u> <u>Every inlet to a storage cistern shall be fitted with a stop valve and a ball valve or some other approved device for controlling the inflow of water so designed to prevent overflow.</u></p> <p><u>Regulation 60(2)</u> <u>Every supply pipe whether fitted with ball valve or otherwise</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>shall be fitted such that the bottom of the inlet orifice shall be above the top of the overflow opening by a minimum of 50 millimetres or twice the diameter of the supply pipe, whichever is the greater.</u></p> <p><u>Regulation 60(3)</u> <u>Where a ball valve is fitted, the size of the orifice, size and shape of float and dimensions of the lever shall be such that when the float is immersed not exceeding half its volume, the ball valve shall be watertight against a hydrostatic pressure of 14 bars or twice the highest working pressure, whichever is the greater.</u></p> <p><u>Regulation 60(4)</u> <u>Every ball valve shall be securely and rigidly fixed to the cistern.</u></p> <p><u>Storage capacity requirement</u> <u>Regulation 61</u> <u>Every storage cistern required to be installed, shall have the following minimum capacities for each of the categories of premise stipulated below:</u> <u>Category of Buildings</u> <u>Minimum Storage Capacity Requirements (Litres)</u> <u>Residential houses, apartment, flat (per unit)</u> <u>700</u> <u>Rural houses, low cost houses (Approved) by Government) (per unit) 400</u> <u>Shophouse (per floor)</u> <u>400</u> <u>Hotels (per room)</u> <u>400</u> <u>Hostels and Boarding School (per resident)</u> <u>250</u> <u>Days Schools (per head per session) Others</u> <u>30</u> <u>Others</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>One day's estimated demand or volume to be determined by a water supply authority.</u></p> <p><u>Cold water storage cistern not exceeding 4500 litres Regulation 62 (a)</u> <u>Every cold water storage cistern of a capacity not exceeding 4500 litres shall be fitted with an overflow pipe which shall also function as a warning pipe and the overflow pipe shall discharge from a conspicuous position.</u></p> <p><u>Regulation 62(b)</u> <u>The internal diameter of the overflow pipe of every cold water storage cistern of a capacity not exceeding 4500 litres shall be not less than 1.5 times the internal diameter of the inlet pipe and in no case less than 20 millimetres.</u></p> <p><u>Regulation 62(c)</u> <u>The overflow level of every cold water storage cistern of a capacity not exceeding 4500 litres of the warning pipe shall be set</u> <u>(i) below the top edge of the cistern at a distance of not less than twice the diameter of the overflow pipe; and</u> <u>(ii) above the water-line at a distance of not less than 25 mm or not less than the internal diameter of the warning pipe, whichever is the greater; and</u></p> <p><u>Regulation 62(d)</u> <u>A scour pipe of every cold water storage cistern of a capacity not exceeding 4500 litres with a stop valve shall be provided to allow the complete draining of the cistern and the stop valve shall be located in a convenient position and the scour pipe shall discharge into an appropriate point.</u></p> <p><u>Cold water storage cistern of more than 4500 litres Regulation 63(a)</u> <u>Every cold water storage cistern of a capacity exceeding 4500</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>litres shall be fitted with an efficient overflow pipe, and if such overflow pipe is not a warning pipe, shall also be fitted with an efficient warning pipe or some other effective device so arranged as to indicate when the water in the cistern reaches the overflowing level;</u></p> <p><u>Regulation 63(b)</u> <u>Every cold water storage cistern of a capacity exceeding 4500 litres where the overflow pipe is also the warning pipe; the pipe shall comply with the requirements of paragraphs (b) and (c) of regulation 62.</u></p> <p><u>Regulation 63(c)</u> <u>Every cold water storage cistern of a capacity exceeding 4500 litres where both a warning pipe and an overflow pipe other than a warning pipe are fitted the internal diameter of the warning pipe shall be not less than 25 mm.</u></p> <p><u>Regulation 63(d)</u> <u>A scour pipe shall be fitted to the lowest point of the cistern. The stop valve of this scour pipe shall be located in a convenient position and the scour pipe shall discharge into a drain.</u></p> <p><u>Storage Cistern not to be sunk in ground</u> <u>Regulation 64 (a)</u> <u>No storage cistern shall be buried or sunk in the ground unless the cistern is constructed of corrosion-resistant material according to approved standards and specifications or designs approved by the State Water Authority;</u></p> <p><u>Regulation 64 (b)</u> <u>No storage cistern shall be buried or sunk in the ground unless the cistern is located in a position that is not susceptible to flooding;</u></p> <p><u>Regulation 64 (c)</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>No storage cistern shall be buried or sunk in the ground unless the top edge of the cistern be not less than 250 mm above general ground level in the area;</u></p> <p><u>Regulation 64 (d)</u> <u>No storage cistern shall be buried or sunk in the ground unless the cistern is fitted with an efficient warning or overflow pipe or an approved overflow pipe or an approved overflow warning device or mechanism;</u></p> <p><u>Regulation 64 (e)</u> <u>No storage cistern shall be buried or sunk in the ground unless the water from the water supply authority's mains is discharged into the cistern at a level not less than 150 mm above the invert of the overflow pipe; and</u></p> <p><u>Regulation 64 (f)</u> <u>No storage cistern shall be buried or sunk in the ground unless the cistern is not likely to result in waste, undue consumption, misuse or contamination of the water.</u></p> <p><u>Supply to hot water apparatus</u> <u>Regulation 65</u> <u>Any hot water supply apparatus, in or by which water supplied by a water supply authority is heated, shall be supplied either from a cold water storage cistern or from a service pipe. Where cold water is from a service pipe, the supply pipe shall be controlled by a stop tap and shall not be connected directly to the apparatus but shall discharge into the air not less than 25 millimetres above the overflow level of the apparatus;</u> <u>Provided that this regulation shall not apply in the case of:</u> <u>(a) a thermostatically controlled electric storage water heater of a capacity not exceeding 25 litres;</u> <u>(b) a gas geyser or multipoint heater of capacity not exceeding 50 litres, fitted with an efficient back siphonage prevention device and with the inlet valve automatically controlling water so that no leakage of gas or water can occur;</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>(c) an instantaneous heater.</u> <u>In every case, the apparatus is not subjected to a working pressure higher than that for which it is designed, is controlled by a stop valve inlet and every discharge point is in the open air above the overflowing level of any pool, lavatory, basin, sink, or other appliance.</u></p> <p><u>Hot water apparatus outlet connection</u> <u>Regulation 66</u> <u>No hot water supply apparatus connected to a service pipe shall have any connection on its outlet side with any water fittings containing water supplied other than through the hot water supply apparatus.</u></p> <p><u>Mixing valves</u> <u>Regulation 67 (a)</u> <u>Mixing valve, combination taps or other water fittings in which hot and cold water are mixed shall not be used unless both the hot water apparatus and the other source are supplied with water direct from a service pipe from the mains of a water supply authority;</u></p> <p><u>Regulation 67 (b)</u> <u>Mixing valve, combination taps or other water fittings in which hot and cold water are mixed shall not be used unless both the hot water apparatus and the other source are supplied with water from the mains of a water supply authority through a feed cistern.</u></p> <p><u>Level of outlets of feed cistern supplying cold water to hot water apparatus</u> <u>Regulation 68</u> <u>Where a feed cistern, in addition to supplying cold water to a hot water supply apparatus, is used as a storage cistern for any other purpose, any outlet for any such other purpose shall be at the same level as the outlet to the hot water apparatus.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Hot water pipe materials</u> <u>Regulation 69</u> <u>Every pipe used for conveying hot water shall be of galvanised steel, galvanised wrought iron, copper, stainless steel or other approved corrosion-resistant material.</u></p> <p><u>Maximum distance of taps from hot water apparatus</u> <u>Regulation 70</u> <u>No tap used for the purpose of drawing hot water shall be fixed at a greater distance, measured along the axis of the pipe by which the tap is supplied, from a hot water apparatus or hot water cistern, cylinder or tank, or from a flow and return system, than the distance appropriate to the largest nominal diameter of any part of such pipe as shown in the following:</u></p> <p><u><i>Largest Nominal Diameter</i></u> <u><i>Distance of Pipe</i></u> <u>Not exceeding 15 mm</u> <u>24 metres</u> <u>Exceeding 15 mm but not exceeding 25 mm</u> <u>18 metres</u> <u>Exceeding 25 mm</u> <u>12 metres</u></p> <p><u>Provided that in hospitals, hotels, factories or other similar premises and institutions, where the pipe by which the tap is supplied is effectively lagged against loss of heat to the satisfaction of a water supply authority, the water supply authority may approve the fixing of taps at distances in excess of the maximum stated in the above table.</u></p> <p><u>Hot water pressure vessels</u> <u>Regulation 71</u> <u>Every hot water pressure vessel or tank shall be constructed of stainless steel, copper or other materials approved by the State Water Authority and shall comply with the Standard listed as Item 33, 34, 39, 40 and 42 in the First Schedule.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Tap for drawing water from hot water storage cistern or pressure vessel</u> <u>Regulation 72</u> <u>No tap or other means of drawing water (other than a tap with a removable key for emptying the system for cleaning or repairs) shall be connected to any part of a hot water system in such a way that the level of the water in the cistern, vessel or tank can be lowered by more than one-fourth of its depth:</u> <u>Provided that:</u> <u>(a) in the case of a hot water system in which water is heated only by thermostatically controlled gas or electricity and the storage cistern, vessel or tank has a capacity of not less than 900 litres this regulation shall apply with the substitution of the fraction “three-fourths” for the fraction “one-fourth”;</u> <u>(b) in the case of a hot water system comprising more than one hot water pressure vessel at different levels this regulation shall apply only to the lowest pressure vessel; and</u> <u>(c) this regulation shall not apply in the case of an open vessel in which water is directly heated.</u></p> <p><u>Inlets and outlets of pools, etc.</u> <u>Regulation 73</u> <u>Every inlet to a pool, wash basin, sink, or similar fittings shall be distinct from and unconnected with any outlet and every outlet for emptying such pool, wash basin, sink or similar sanitary fittings shall be provided with well-fitting and easily accessible watertight plug or some other equally suitable device for closing the outlet.</u></p> <p><u>Location of point of discharge of water to pool, etc.</u> <u>Regulation 74</u> <u>The level of the point of discharge of the hot or cold water to a fixed pool, wash basin, sink or similar fittings shall be not less than 35 millimetres above the centre of the overflow, or if there be no overflow, of the top of the pool, basin or sink:</u> <u>Provided that this regulation shall not apply to any bidet, sitz-</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>pool, slop or sluicing sink or similar apparatus if every pipe conveying hot or cold water to such apparatus is connected to: (a) a storage cistern supplying water to such apparatus only; or (b) a flushing cistern.</u></p> <p><u>Flushing system for water closet, etc.</u> <u>Regulation 75</u> <u>Every water closet, urinal, bidet or similar sanitary fittings shall be provided with a flushing cistern or with some other equally efficient and suitable flushing apparatus.</u></p> <p><u>Single flush cleaning</u> <u>Regulation 76</u> <u>Every water-closet pan shall be so constructed as to be efficiently cleaned by a single flush and shall comply with the relevant Approved Standard.</u></p> <p><u>Flushing cistern to be fitted with ball valve or similar apparatus</u> <u>Regulation 77</u> <u>The inlet pipe of every flushing cistern, not being an automatic flushing cisterns, shall be fitted with a stop valve, and a ball valve or some other effective means of controlling the inflow of water so designed to prevent overflow.</u></p> <p><u>Design of flushing system</u> <u>Regulation 78</u> <u>Every flushing cistern serving a water closet shall be so designed and arranged that the volume of the flush or, in the case of an apparatus designed to give two flushes of different volumes, the volume of the larger flush (excluding the water entering the cistern during a flush) shall not exceed 14 litres and shall comply with the Standard listed as Item 43 in the First Schedule.</u></p> <p><u>Design of hand operated flushing system</u> <u>Regulation 79</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Every hand operated flushing cistern serving a urinal shall comply with the Approved Standards and shall be so designed as to give a flush of not more than 5.0 litres per stall or per 700 millimetres width of slab.</u></p> <p><u>Automatic flushing cistern</u> <u>Regulation 80</u> <u>Every flushing apparatus provided in connection with a urinal whether manual or automatic shall be of the type approved by the water supply authority.</u></p> <p><u>Flushing valves</u> <u>Regulation 81 (a)</u> <u>No flushing valves shall be installed or used in any installation unless the valves are supplied from a special feed cistern which supplies water to such valves only.</u></p> <p><u>Regulation 81(b)</u> <u>No flushing valves shall be installed or used in any installation unless the written approval of the water supply authority has been obtained who may grant approval subject to such conditions as he may think fit.</u></p> <p><u>Water-troughs</u> <u>Regulation 82</u> <u>Every pipe supplying water to a water-trough for animals shall be fitted with a ball valve or other approved means of controlling the inflow of water so designed to prevent overflow, fixed in a separate compartment and protected by a cover which can be locked securely.</u></p> <p><u>Disconnection of water fittings</u> <u>Regulation 83</u> <u>Where any water fitting is to be permanently disconnected so much of any pipe which supplies water to that fitting and any other pipe not required to supply water to any other fitting, shall also be disconnected.</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Meters to be fixed by the water supply authority</u> <u>Regulation 84 (1)</u> <u>Every meter and sub-meter shall be supplied on hire, fixed and maintained by a water supply authority and shall remain its property, but the consumer shall be solely responsible for the safe custody of the meter whilst it is fixed on the service pipe supplying his premises with water and shall take any action necessary for its protection.</u></p> <p><u>Regulation 84 (2)</u> <u>No consumer shall permit any meter to be removed from his supply pipe unless the person is properly authorized by the water supply authority to do so.</u></p> <p><u>Regulation 84(3)</u> <u>Where so directed by a water supply authority, the consumer shall provide, at his own expense, a covered meter box or chamber for the protection of any meter.</u></p> <p><u>Sitting of meters</u> <u>Regulation 85</u> <u>The sitting of the meter shall be decided upon by a water supply authority who shall be at liberty to fix the meter at any position. The water supply authority reserves the right to remove and relocate any meter.</u></p> <p><u>Meter bridge position</u> <u>Regulation 86</u> <u>Meter bridges shall be constructed in the manner approved and at a position determined by a water supply authority.</u></p> <p><u>Re-sitting of meters</u> <u>Regulation 87</u> <u>Where the reading of a meter or the changing of a meter is found to be difficult at its original position due to any subsequent actions or obstructions caused by the consumer, a</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>water supply authority may have the meter resited at the expense of the consumer.</u></p> <p><u>Sealing of meters</u> <u>Regulation 88</u> <u>A seal shall be fixed by an authorized officer to every water meter as soon as the meter is installed.</u></p> <p><u>Tampering, damage, destruction or loss of meters</u> <u>Regulation 89(1)</u> <u>When a meter has been lost, damaged or destroyed and a water supply authority is of the opinion that such loss, damage or destruction is not the result of fair wear and tear, but the result of the following events or circumstances:</u> <u>(a) a meter is opened up or interfered with whilst in the possession of a consumer;</u> <u>(b) a meter is so used that water may be wasted, misused or unduly consumed;</u> <u>(c) the seal of a meter is broken or any act is done tending to impair or falsify the registration of the meter; or</u> <u>(d) the meter is damaged otherwise than through fair wear and tear or in the course of removal,</u> <u>the amount certified by a water supply authority to be the full cost of repair or reinstatement shall be payable by the consumer on demand to the water supply authority.</u> <u>(2) The consumer shall pay to the water supply authority the full value of any damage or loss incurred as a result thereof in addition to any penalty to which he may be liable.</u></p> <p><u>Changing of meters</u> <u>Regulation 90</u> <u>A water supply authority may at its discretion change a meter at any time.</u></p> <p><u>Measurement by main-meter or sub-meter</u> <u>Regulation 91</u> <u>(1) Where main-meters and sub-meters are installed, the</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>amount of water consumed shall be measured by the main-meter and the University shall pay the water supply authority for the amount of water registered by the main-meter.</u></p> <p><u>(2) Where it is not possible, for whatever reason, to measure accurately the amount of water consumed from the readings shown in the main-meter, such measurement may be obtained by aggregating the readings shown in the sub-meters related to that main-meter.</u></p> <p><u>Testing of meters</u> <u>Regulation 92</u> <u>(1) The University who desires to ascertain or confirm the accuracy of the meter which measures his water supply may, upon payment of such deposits as may be required by a water supply authority, have his meter removed and tested and the consumer or any person appointed by him may witness the test.</u></p> <p><u>(2) A meter shall be deemed to register correctly when any inaccuracy or discrepancy between its reading and water actually supplied does not exceed three per cent.</u></p> <p><u>(3) The University shall be borne, in the event of the meter being found to register correctly the cost of removal, testing, and refixing and any incidental expenses. In the event of the meter being found to over-register or under-register the cost of testing will be borne by the water supply authority, and any deposit made under paragraph (1) shall be refunded.</u></p> <p><u>(4) The result of the test shall be binding on both parties.</u></p> <p><u>Basis of water charge in the event of failure of meter to register correctly</u> <u>Regulation 93</u> <u>The charge to be made to the University in respect of any period or part of a period during which, in the opinion of the</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>water supply authority, such failure has occurred or continued, shall be calculated when a water supply authority determines that a meter has, for any reasons, failed to register correctly the volume of water supplied to any premises:</u></p> <p><u>(a) on the basis of the average consumption for such or similar premises for the last three completed periods of billing during which in the opinion of the water supply authority, there was no incorrect registration; or</u></p> <p><u>(b) on the basis of an addition to or a subtraction from the amount chargeable for a particular period of billing corresponding to the percentage by which such meter was determined by the water supply authority to be registering too little or too much as the case may be; or</u></p> <p><u>(c) on the basis of the estimated consumption calculated from readings taken from a new meter installed at the premises; or</u></p> <p><u>(d) on the basis of such other equitable methods for the calculation of the estimated consumption as the water supply authority deems fit.</u></p> <p><u>Sub-meters</u> <u>Regulation 94</u></p> <p><u>(1) The University must ensure that Sub-meters shall not be installed except with the special written approval of the water supply authority which is the approval subject to such conditions as the water supply authority deems fit.</u></p> <p><u>(2) A water supply authority will not supply or install any private sub- meters and will not be responsible for the reading of such meters installed.</u></p> <p><u>(3) Where the supply to a building is sub-metered, the maintenance of the communication pipe by the water supply authority shall be up to the main-meter only.</u></p> <p><u>Metered water consumption</u> <u>Regulation 95</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Where University premises are supplied with metered water which is paid for by an owner or landlord which is the University, whether or not the payment being recovered by him, in whole or in part, from the occupier, then for so long as he remains the owner or landlord thereof the following conditions shall apply:</u></p> <p><u>(a) the University shall be deemed to be the consumer until such time as he has made arrangements satisfactory to a water supply authority for any occupier to become the consumer in his place; and</u></p> <p><u>(b) notwithstanding any notice which he may have given either to the water supply authority or to any such occupier, the owner or landlord shall still be liable for payment of any money due in respect of such consumption.</u></p> <p><u>Rates of water tariffs</u></p> <p><u>Regulation 96</u></p> <p><u>(1) The rates of water tariffs for different categories of consumers shall be as prescribed in the Fourth Schedule.</u></p> <p><u>(2) The amount of water charged to the consumer shall include water wasted or lost through leakage or otherwise.</u></p> <p><u>Installation of pumping system</u></p> <p><u>Regulation 97</u></p> <p><u>A water supply authority may require that a pumping system or pressure boosting system be installed for part of or the whole of a building complex or multi-storey premises of the University</u></p> <p><u>Maintenance by consumer</u></p> <p><u>Regulation 98</u></p> <p><u>The pumping system shall be installed and maintained by the University who signs the contract for the supply of water to University premises. The University shall engage a contractor or firm approved by a water supply authority to service the water supply system regularly.</u></p> <p><u>Pumping system</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 99</u> <u>Every pumping system of a Univerity's building complex or multi-storey premises which is supplied with water from a water supply authority shall comply with the following requirements:</u></p> <p><u>(a) it shall be constructed in accordance with a specification and design approved by the water supply authority (all specification and design shall be prepared and submitted for approval, prior to construction, by consultants registered with the State Water Authority for the type of work);</u> <u>(b) (i) it shall have a suction cistern or cisterns from which water shall be pumped by pumpsets and related control equipment to high level storage cistern or cisterns at the appropriate levels of the building (a duplicate set of pumpset or pumpsets shall be provided as standby to the operating pumpset or pumpsets);</u> <u>(ii) the pumpsets shall be designed for automatic operations based on water levels in the low level suction cisterns and high level storage cisterns;</u> <u>(c) the suction cistern or cisterns shall be of suitable capacity and installed at a suitable level to receive water from the public main (a water supply authority may at its discretion require the inflow into the suction cistern or cisterns to be regulated);</u> <u>(d) the total capacity of the roof storage and suction cisterns shall not be less than the one day's demand of the building or complex (any storage requirements for fire-fighting services shall be in accordance to the requirements of Jabatan Bomba);</u> <u>and</u> <u>(e) an approved active pressure pumping system may be installed in lieu of a pump and high level storage system with the approval of the water supply authority.</u></p> <p><u>Metering of supply</u> <u>Regulation 100</u> <u>The supply to all multi-storey premises and building complexes may be bulk-metered at the discretion of a water supply</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>authority. Water supplies to flats or dwelling units in multi-storey buildings may be individually metered but subject to approval from a water supply authority.</u></p> <p><u>Drinking water conveyed separately</u> <u>Regulation 101</u> <u>Water for drinking and cooking purposes shall be conveyed from separate roof storage cisterns by individual distribution pipes. A water supply authority may at its discretion allow other systems to be used.</u></p> <p><u>Installation of supply main, etc.</u> <u>Regulation 106</u> <u>The University must ensure that the developer shall bear the entire cost of the installation of the supply main to residential or development areas from the point of connection determined by a water supply authority, internal reticulation mains, booster pumping systems, reservoirs and other water supply related appurtenances in accordance with the requirements of a water supply authority</u></p> <p><u>Supply system to have approval of water supply authority</u> <u>Regulation 108</u> <u>(1) Where the water supply system of the residential or development areas in the University is not constructed by a water supply authority, the system shall be constructed to the specification and design approved by the water supply authority.</u></p> <p><u>(2) The design and supervision of the construction of the system shall be carried out by an engineering consultant registered with the State Water Authority for the type of works.</u></p> <p><u>Taking over of supply system</u> <u>Regulation 109</u> <u>The University must ensure upon completion, the supervising</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>consultant shall certify that the works have been completed in accordance with all requirements of a water supply authority. The developer shall then apply to the water supply authority to take over the completed water supply distribution system. Provided the water supply authority is satisfied that the system or installations have been completed in full compliance with all requirements of the Ordinance and these Regulations and that the system is performing to the satisfaction of the water supply authority and the necessary spares for the pumping and other equipment are supplied to the water supply authority, the water supply authority may take over part or all of the system or installations, without compensation for use as a public water supply system. Whereupon the system or installations including land on which the installations are built shall be vested in that water supply authority.</u></p> <p><u>Maintenance by developer before taking over</u> <u>Regulation 110</u> <u>Until the effective date of the taking over by a water supply authority, the University must ensure that the developer shall be responsible for operation and maintenance of the water supply system. The developer shall engage a contractor or firm approved by the water supply authority to service regularly and maintain the system to the satisfaction of the water supply authority.</u></p> <p><u>Pumping system</u> <u>Regulation 111</u> <u>Where a pumping system is required to supply a residential estate, regulation 99 shall apply: Provided that a water supply authority may at its discretion allow other pumping systems to be used.</u></p> <p><u>Standpipes</u> <u>Regulation 112</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>The University must ensure that every standpipe which is accessible to the public shall, unless exempted by a water supply authority in writing, be provided with a non-concussive and self-closing draw-off tap of the approved type. Water supplied through a standpipe shall be metered and payment for water so supplied shall be charged to such person or persons as may be determined by a water supply authority.</u></p> <p><u>Use of standpipes</u> <u>Regulation 113</u> <u>(1) The University must ensure no person use a public standpipe for washing animals and vehicles or for any trade purpose.</u> <u>(2) The University must ensure every person who draws water from a public standpipe shall thereafter completely close the tap after use.</u></p> <p><u>Attachment to standpipe</u> <u>Regulation 114</u> <u>The University must ensure no hose or any form of connections shall be attached to the tap of any standpipe.</u></p> <p><u>Tampering with standpipe</u> <u>Regulation 115</u> <u>The University must ensure no person shall tamper with, alter, damage or remove any fittings of any standpipe.</u></p> <p><u>Swimming pools</u> <u>Regulation 116</u> <u>Every swimming pool in the University exceeding 25 000 litres in size, which is supplied with water from the mains shall</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambah (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>comply with the following requirement:</u></p> <p><u>(a) it shall be constructed, in accordance with a specification and design approved by a water supply authority, (construction shall only commence after approval from a water supply authority);</u></p> <p><u>(b) the inlet pipe of every swimming pool shall discharge into a separate and distinct chamber from the pool so that the inlet shall discharge at least 250 millimetres above the water line of the chamber (the chamber shall be provided with a lockable cover); and</u></p> <p><u>(c) the control valve on the service pipe or distribution pipe which serves the pool shall also be in the inlet chamber and shall only be accessible for operation when the chamber is open.</u></p> <p><u>Operator's responsibility</u> <u>Regulation 117</u> <u>The University must ensure that the operator of every swimming pool, accessible to the public, shall ensure that the quality of the water of the swimming pool meets the requirements of the health authority at all times.</u></p> <p><u>Depletion of pool</u> <u>Regulation 118</u> <u>Should any pool become depleted by an amount exceeding 25 000 litres, due to the pool being cleansed or any other reasons, the University must ensure notice in writing shall be given to a water supply authority at least three days prior to the operator wishing to recharge the pool. It shall be at the discretion of the water supply authority to refuse consent for recharging of any swimming pool without assigning any reason.</u></p> <p><u>Avoidance of waste</u> <u>Regulation 119</u> <u>The University must ensure no swimming pool and its associated equipment and fittings shall be constructed and</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahkan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>installed or be in such a state as to cause waste or undue consumption of the water supplied from the mains.</u></p> <p><u>Separate metering</u> <u>Regulation 120</u></p> <p><u>The University must ensure that the supply to every swimming pool shall be separately metered and charged in accordance with the charges prescribed by a water supply authority.</u></p> <p><u>Fountains and ornamental pools</u> <u>Regulation 121</u></p> <p><u>Every fountain or ornamental pool exceeding 15 000 litres in capacity, which is supplied with water from the mains shall be constructed in accordance with a specification and design approved by a water supply authority.</u></p> <p><u>Separate metering</u> <u>Regulation 122</u></p> <p><u>A water supply authority may at its discretion require the fountain or ornamental pool to be separately metered and charged in accordance with the charges prescribed by a water supply authority.</u></p> <p><u>Licensing of pipe fitters</u> <u>Regulation 123</u></p> <p><u>(1) Pipe fitters must be a person holding a valid licence as a pipe fitter issued by the State Water Authority under this Part.</u></p> <p><u>Licensing of mainslayers</u> <u>Regulation 125</u></p> <p><u>(1) Mainslayers must be a person holding a valid licence as a mainslayers issued by the State Water Authority under this</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Part.</u></p> <p><u>Withholding and withdrawing supply</u> <u>Regulation 129</u> <u>A water supply authority may withhold or withdraw the supply of water through any mains, pipes or fittings or any other works laid, fitted or executed by any person not registered with the State Water Authority, as a licensed pipe fitter or mainslayer.</u></p> <p><u>Fees for inspection and testing of pipes</u> <u>Regulation 134</u> <u>The fees for the inspection and testing of service pipe or distributing pipe or mains or fittings are set out in the Fourth Schedule.</u></p> <p><u>Application for water supply</u> <u>Regulation 136</u> <u>1) (a) The University shall submit an application to the water supply authority concerned if the University desires water to be supplied to him or any premises, by a water supply authority.</u> <u>(b) Every application shall contain an undertaking by the University that it agrees to abide by the provisions of these Regulations for the supply of water to him or his premises.</u> <u>2) (a) The University shall produce a certified true copy of issued document of title for land on which the premises to be supplied is situated, or other document of proof of its ownership of premises.</u> <u>(b) If the University is occupying native customary rights land or land held without title, it shall produce a letter from a District Officer or a Superintendent of Lands and Surveys or any public officer authorized by either</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>of them, to prove his legitimate occupation of the land to which water is to be supplied.</u></p> <p><u>(3) Except with the approval of a water supply authority and subject to the terms of an agreement required under section 29(3)(a) of the Ordinance between a water supply authority and a consumer, no water shall be supplied other than through a meter.</u></p> <p><u>Regulation 137</u></p> <p><u>(1) Communication pipes shall be provided and laid by a water supply authority at the expense of the consumer.</u></p> <p><u>(2) Supply pipes and distributing pipes and all fittings required shall be laid and maintained by a licensed pipe fitter or, in special circumstances, by a water supply authority, at the expense of the consumer.</u></p> <p><u>Supply shall be by means of one communication pipe</u></p> <p><u>Regulation 138</u></p> <p><u>(1) Except with the written consent of a water supply authority, no dwelling house or other premises charged or chargeable separately with water rate shall be supplied with water by a water supply authority by means of more than one communication pipe connected to the mains of the water supply authority.</u></p> <p><u>(2) In this regulation “dwelling house” includes any part of a building which is occupied as a separate dwelling.</u></p> <p><u>Installation of communication pipe and meter</u></p> <p><u>Regulation 139</u></p> <p><u>(1) On completion of the laying of pipes and fittings for a new water system from the point where the communication pipe leaves the mains and after such pipe and fittings and the laying and installation thereof have been inspected, tested and approved by a water supply authority, the water supply</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>authority will at the expense of the consumer or intending consumer lay and install a communication pipe from the mains and fix a stop tap for the control of the supply of water.</u></p> <p><u>(2) After a water supply authority is satisfied that a consumer has satisfied all the requirements for supply stipulated in section 29 of the Ordinance, an authorized officer will install a meter and commence the supply to that consumer.</u></p> <p><u>Extension of supply to another premises</u> <u>Regulation 142</u> <u>Distributing pipe or service pipe shall not be extended so that water can be drawn therefrom to any other premises.</u></p> <p><u>Defective water fittings and private supply installation</u> <u>Regulation 143</u> <u>Where, in the opinion of a water supply authority, any fitting installed in connection with a private installation and maintainable at the University's expense, is so defective or obstructed as to cause or be likely to cause, waste, undue consumption, blockage or contamination of water supplied from the mains:</u></p> <p><u>(a) where such a fitting is a communication pipe or part thereof, an authorized officer may disconnect the supply without notice for the purpose of carrying out repairs, and charge the costs of such repairs to the University; or</u> <u>(b) where the fitting does not form part of a communication pipe, an authorized officer shall serve a written notice on the University, detailing the repairs required and specifying the period within which the repairs shall be carried out.</u></p> <p><u>Tapping equipment</u> <u>Regulation 144</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Tapping of water from any pipe shall be carried out by using the correct type of tapping equipment approved by the State Water Authority for the type of pipe and no other method of tapping of the pipe, other than by the proper use of the correct tapping machine, is allowed.</u></p> <p><u>Power to disconnect</u> <u>Regulation 145</u> <u>Should the University fail to comply with a notice served in accordance with regulation 143(b) above, a water supply authority may disconnect the supply and recover the cost of disconnection from the University.</u></p> <p><u>Reconnection of supply</u> <u>Regulation 146</u> <u>Where supply has been disconnected for non-payment of monies due to a water supply authority or in accordance with regulation 145 for non-compliance with a notice served, the supply may be re-connected upon payment of the monies due and upon compliance with all requirements of the water supply authority. A water supply authority shall not be liable for any losses or expenses arising from the disconnection carried out pursuant to regulation 145.</u></p> <p><u>Payment for connection by a new consumer</u> <u>Regulation 147</u> <u>The University entering into a new agreement for a supply of water to any premises shall pay the fee for such supply, irrespective of whether there is already an existing connection or otherwise.</u> <u>(2) On termination of a water supply agreement, the amount of the final water bill including all arrears up to the date of the disconnection of supply may be deducted from the University's deposit and the balance thereof, if any, shall be refunded to</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>him within 60 days from the date of termination of the agreement.</u></p> <p><u>Temporary supply for building or construction</u> <u>Regulation 149</u> <u>In the event of the University requiring supply of water for building or construction works, such supply may, at the discretion of a water supply authority, be provided but only for a period not exceeding six months or such other period as a water supply authority may permit, and shall be charged at the rates laid down by the water supply authority. This supply shall be disconnected on completion of the building or construction works or at the end of the period allowed by that water supply authority, whichever is the earlier.</u></p> <p><u>Water supply for temporary purpose</u> <u>Regulation 150</u> <u>(1) An applicant for water required for temporary purpose shall state the intended period (not exceeding six months) during which such supply is required and shall pay a deposit of an amount to be determined by a water supply authority, prior to the commencement of such temporary supply.</u></p> <p><u>(2) If the supply of water is required beyond the six months period, the University shall notify the water supply authority, and unless the water supply authority agrees to the extension of the period, the supply of water shall be terminated on the last date of the six months period.</u></p> <p><u>(3) At the end of the period for the temporary water supply, the deposit paid by the University under paragraph (1) of this regulation shall be refunded to him provided that there are no outstanding water charges owing by the University to a water supply authority.</u></p> <p><u>Use of hoses for building operations</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>Regulation 152</u></p> <p><u>The University shall not draw water from the mains by a hose unless such water shall have first passed through a storage cistern or feed cistern or an approved anti-back siphonage device. This regulation shall not apply if the water is drawn from a hydrant for fire fighting purposes.</u></p> <p><u>Application to abstract ground water, etc.</u></p> <p><u>Regulation 153</u></p> <p><u>An application for a licence:</u></p> <p><u>(a) to abstract ground water;</u></p> <p><u>(b) to abstract, draw or take raw water from any river, stream or water courses;</u></p> <p><u>(c) for the impounding of water in any river, stream or water courses,</u></p> <p><u>shall be made in a form prescribed by the State Water Authority and if the abstraction, drawing, taking or impounding of water is to take place within the area of supply of a water supply authority, the application should be submitted to the State Water Authority through that water supply authority.</u></p> <p><u>Licence to abstract ground water. Drilling works prohibited without licence</u></p> <p><u>Regulation 154</u></p> <p><u>(2) The University shall not undertake any works for the drilling or construction of any well, borehole or similar structure for abstraction of groundwater unless a licence has been issued pursuant to this regulation.</u></p> <p><u>Offences</u></p> <p><u>Regulation 157</u></p> <p><u>Failure of the University to comply with any of the provisions of these Regulations shall be guilty of an offence: Penalty, a maximum fine of five thousand ringgit or imprisonment for up</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>to two years or both.</u></p> <p><u>FIRST SCHEDULE</u> <u>APPROVED STANDARDS of Pipes, Fittings etc. are as listed in the First Schedule</u> <i>(Regulations 2, 14, 15, 16, 19, 20, 21, 23, 43(5), 45(2), 47, 49, 57, 58, 71, 78)</i> <u>THE STANDARDS OF PIPES, FITTINGS, ETC., REFER TO CURRENT STANDARDS ISSUED BY EITHER SIRIM OR IN THE ABSENCE OF SIRIM STANDARDS, THE RELEVANT STANDARDS ISSUED BY BRITISH STANDARDS INSTITUTION OR INTERNATIONAL ORGANISATION FOR STANDARDISATION (ISO)</u></p> <p><u>SECOND SCHEDULE</u> <u>APPROVED STANDARDS FOR THE TYPES AND CLASSES OF PIPES APPROVED FOR USE BY THE STATE WATER AUTHORITY are as listed in the Second Schedule.</u> <i>(Regulations 2, 11, 12,15, 26)</i></p> <p><u>THIRD SCHEDULE</u> <u>PIPE FITTER LICENCE</u> is as as in the prescribed Form A in the Third Schedule. <i>(Regulation 123(3))</i></p> <p><u>MAINS LAYER LICENCE</u> is as as in the prescribed Form B in the Third Schedule. <i>(Regulation 125(3))</i></p> <p><u>FOURTH SCHEDULE</u> <i>(Regulations 92, 96, 123(4), 125(4), 134, 156, 161(2))</i> <u>The prescribed fees are as listed in Fourth Schedule</u></p>	

No. CPD	Pemilik Proses	Pernyataan Pindaan/Baharu		Tambahan (T)/ Pemotongan (P)
		Asal	Baharu	
			<p><u>FIFTH SCHEDULE</u> <i>(Regulations 159(3))</i> <u>OFFER TO COMPOUND OFFENCE(S) and the receipt as in the prescribed Form No.1 and No.2 in the Fifth Schedule.</u></p>	