

ENVIRONMENTAL QUALITY (SEWAGE) REGULATIONS 2009

PU(A) 432/2009

10 December 2009

IN exercise of the powers conferred by sections 21, 24, 25 and 51 of the **Environmental Quality Act 1974**[*Act 127*], the Minister, after consultation with the Environmental Quality Council, makes the following regulations:

1. Citation

These regulations may be cited as the **Environmental Quality (Sewage) Regulations 2009**.

2. Interpretation

(1) In these Regulations:-

"**sludge**" means any deposit of particulate matter settled from a liquid, including deposit resulting from physical, chemical, biological or other treatment of sewage;

"**professional engineer**" has the same meaning assigned to it in the **Registration of Engineers Act 1967**[*Act 138*];

"**sewage**" means any liquid waste or wastewater discharge containing human, animal, domestic or putrescible matter in suspension or solution, and includes liquids containing chemicals in solution either in the raw, treated or partially treated form;

"**licence**" means a licence referred to in regulation 8 pursuant to subsection 25(1) of the Act;

"**parameter**" means any of the factors shown in the first column of the Second Schedule;

"**authorized officer**" means any officer appointed under section 3 of the Act or any other officer to whom the Director General has delegated his power under section 49 of the Act;

"**dilution**" means any process making sewage less concentrated by adding water or other liquids from external sources other than liquids or materials used for treating the sewage;

"**performance monitoring**" means the routine monitoring of certain characteristics to provide an indication that a treatment process is functional and capable of treating the sewage;

"**population equivalent**" means the equivalent in terms of a fixed population of a varying or transient population or other activity, for example industrial or commercial contributing to flow to the sewerage treatment system;

"sewage treatment system" means any facility designed and constructed for the purpose of reducing the potential of the sewage to cause pollution.

(2) Words and expressions which are not defined in these Regulations shall have the same meaning as assigned to them in the Act.

3. Application

These Regulations shall apply to any premises which discharge sewage onto or into any soil, or into any inland waters or Malaysian waters, other than any housing or commercial development or both having a population equivalent of less than one hundred and fifty.

4. Notification for new source of sewage discharge or release

(1) No person shall, without prior written notification to the Director General, discharge or release or permit the discharge or release of sewage onto or into any soil, or into any inland waters or Malaysian waters.

(2) The written notification to the Director General referred to in subregulation (1) shall be in the form as specified in the First Schedule.

5. Provision and proper operation of sewage treatment system

(1) An owner or occupier of any premises shall operate and maintain a sewage treatment system in accordance with sound engineering practice for the treatment of sewage and ensure that all components of the sewage treatment system are in good working condition.

(2) In this regulation, "sound engineering practice" means the manner by which sewage treatment system is operated where the operational characteristics are maintained within the normal range of values commonly used for the treatment of sewage.

6. Competent person

(1) The operation of a sewage treatment system shall be supervised by a competent person.

(2) A competent person shall be a person who has been certified by the Director General that he is duly qualified to supervise the operation of a sewage treatment system.

(3) An owner or occupier of any premises shall ensure that a competent person is on duty at any time the sewage treatment system is in operation.

7. Acceptable conditions of sewage discharge

(1) No person shall discharge sewage which contains substances in concentration greater than the limits of:-

(a) Standard A, as shown in paragraph (i) of the Second Schedule, for new sewage treatment systems discharging into any inland waters within the catchment areas as specified in the Third Schedule;

(b) Standard B, as shown in paragraph (i) of the Second Schedule, for new sewage treatment systems discharging into any other inland waters or Malaysian waters;

(c) Standard A, as shown in paragraph (ii) of the Second Schedule, for existing sewage treatment systems discharging into any inland waters within the catchment areas as specified in the Third Schedule;

(d) Standard B, as shown in paragraph (ii) of the Second Schedule, for existing sewage treatment systems discharging into any other inland waters or Malaysian waters;

(e) Standard A, as shown in paragraph (iii) of the Second Schedule, for existing sewage treatment systems discharging into any inland waters within the catchment areas as specified in the Third Schedule; or

(f) Standard B, as shown in paragraph (iii) of the Second Schedule, for existing sewage treatment systems discharging into any other inland waters or Malaysian waters.

(2) An owner or occupier of a premises shall submit a program to the Director General and implement such program to ensure that all existing sewage treatment systems, except the communal septic tanks and imhoff tanks:-

(a) which discharge sewage into any inland waters within the catchment areas as specified in the Third Schedule, comply with the Standard A as shown in paragraph (i) of the Second Schedule on or before 31 December 2016; and

(b) which discharge sewage into any other inland waters or Malaysian waters, comply with the Standard B as shown in paragraph (i) of the Second Schedule on or before 31 December 2019.

(3) In this regulation:-

(a) "new sewage treatment system" means a sewage treatment built after the date of the coming into operation of these Regulations; and

(b) "existing sewage treatment system" means a sewage treatment system approved between the period after January 1999, until immediately before the date of the coming into operation of these Regulations.

8. Licence to contravene acceptable conditions for sewage discharge

(1) An owner or occupier of premises may apply for a licence under subsection 25(1) of the Act to contravene the acceptable conditions of sewage discharge as specified in regulation 5.

(2) An application for a licence under subregulation (1) shall be made in accordance with the procedures as specified in the **Environmental Quality (Licensing) Regulations 1977[P.U. (A) 198/1977]** and shall be accompanied by:-

- (a) a report on sewage characterization study; and
- (b) a licence fee as specified in regulation 24.

9. Method of analysis and sampling of sewage

(1) An authorized officer may carry out an in-situ or ex-situ analysis of sewage using any instrument approved by the Director General.

(2) An analysis of sewage discharged or released onto or into any soil, or into any inland waters or Malaysian waters shall be carried out in accordance with any of the methods contained in the publications as specified in the Fourth Schedule.

(3) The analysis of sewage referred to in this regulation shall be based on grab samples.

(4) In this regulation:-

(a) "in-situ analysis" means the analysis conducted on a sewage sample that has not been removed from its location or conducted at the site where the sample was taken;

(b) "ex-situ analysis" means the analysis conducted on a sewage sample that has been removed from its location and conducted at the different site from the site where the sample was taken; and

(c) "grab sample" means a discrete individual sample taken within a period of time of less than 15 minutes.

10. Monitoring of sewage discharge

(1) An owner or occupier of a premises that discharges sewage onto or into any soil, or into any inland waters or Malaysian waters shall, at his own expense:-

(a) monitor the concentration of the parameters specified in the first column of the Second Schedule; and

(b) install flow-meters, sampling equipment and recording equipment.

(2) The owner or occupier of the premises shall maintain a record of sewage discharge monitoring data in the format as specified in the Second Schedule.

(3) The owner or occupier of the premises shall submit the first record of sewage discharge monitoring data to the Director General within thirty days after the date of the coming into

operation of these Regulations and the subsequent reports shall be submitted within thirty days after the end of the calendar month for the report of the previous month.

(4) The record of sewage discharge monitoring data shall also be made available for inspection by any authorized officer.

11. Point of discharge of sewage

(1) The point of discharge of sewage shall comply with the specifications as specified in the Sixth Schedule and shall be clearly indicated by the owner or occupier of a premises on the layout plans and engineering drawings certified by a professional engineer.

(2) An owner or occupier of the premises shall submit to the Director General the layout plans and engineering drawings referred to in subregulation (1) within thirty days prior to the commencement of the operations at the premises.

(3) Where an owner or occupier of the premises proposes to make any alteration or change to the location or position of the point of discharge or design of the outlet at the point of discharge of sewage, he or it shall notify the Director General within thirty days prior to the making of any alteration or change.

12. Prohibition against sewage discharge through by-pass

(1) No person shall discharge or cause or permit the discharge of sewage onto and into any soil, or into any inland waters or Malaysian waters through a by-pass.

(2) In this regulation, "by-pass" means any intentional diversion of sewage from any portion of a sewage treatment system.

13. Spill or accidental discharge of sewage

(1) In the event of the occurrence of any spill or accidental discharge of sewage from any premises, which either directly or indirectly gains or may gain access onto or into any soil, or into any inland waters or Malaysian waters, the owner or occupier of the premises shall immediately and not more than six hours from the time of the occurrence inform the Director General of the occurrence.

(2) An owner or occupier of the premises shall, to every reasonable extent, contain, cleanse or abate the spill or accidental discharge of sewage in a manner that satisfies the Director General.

(3) The Director General may in any particular case, if he considers it necessary to do so, specify the manner in which the spill or accidental discharge is to be contained, cleansed or abated and the owner or occupier of the premises shall comply with such specification.

(4) The Director General shall determine any damage caused by any spill or accidental discharge and may recover all costs and expenses from the owner or occupier of the premises.

(5) Where the Director General undertakes to cleanse or abate any spill or accidental discharge, he shall determine the full costs and expenses incurred and may recover such costs and expenses from the owner or occupier of the premises in accordance with the provisions of section 47 of the Act.

14. Prohibition against discharge of sludge into inland waters or Malaysian waters

No person shall discharge or cause or permit the discharge of any sludge that is generated from any sewage treatment system into any inland waters or Malaysian waters.

15. Restriction on the disposal of sludge onto land

No person shall discharge, or cause or permit the disposal of, sludge generated from any sewage treatment system onto or into any soil or surface of any land without the prior written permission of the Director General.

16. Application for disposal of sludge onto land

An application for a written permission of the Director General under regulation 17 shall be accompanied by the prescribed fee of five hundred ringgit.

17. Reporting changes in information furnished for purpose of application of licence

An applicant for a licence or for the renewal or transfer of such licence shall, within seven days of the occurrence of any material change in any information furnished in his application or furnished in writing pursuant to a request by the Director General under subsection 11(2) of the Act, give the Director General a report in writing of the change.

18. Display of licence

The holder of a licence shall display his licence, together with every document forming part of the licence, in conspicuous place in the principal building of his or its premises.

19. Continuance of existing conditions and restrictions in case of change in occupancy

Where a person becomes the occupier of a licensed premise in succession to another person who holds an unexpired licence in respect of such premises, then:-

(a) for a period of fourteen days after the change in occupancy; or

(b) where the new occupier applies within the period specified in paragraph (a) for the transfer of the licence to him, for the period from the change in occupancy until the final determination of his application, the conditions and restrictions of the licence shall be binding on the new occupier and shall be observed by him, notwithstanding that he is not yet the holder of the licence or that the licence may, during the period as specified in paragraph (a) or (b), as the case may be, have expired.

20. Maintenance of records

(1) An owner or occupier of a premises equipped with a sewage treatment system shall maintain records of the operation, maintenance and performance monitoring of the sewage treatment system.

(2) The records maintained under subregulation (1) shall be made available for inspection by any authorized officer.

21. Personnel training

(1) An owner or occupier of any premises equipped with a sewage treatment system:-

(a) shall ensure that his or its employees attend training on environmental requirements and on the best practices in the operation and maintenance of sewage treatment systems before they begin work;

(b) shall ensure that the training for his or its employees include retraining on updates for new, revised and existing requirements and procedures; and

(c) shall maintain records of training which shall include the training date, name and position of employee, training provider and a brief description of the training content.

(2) The record under paragraph (1)(c) shall be submitted to the Director General upon request and shall be made available for inspection by any authorized officer.

22. Provision for inspection

An owner or occupier of a premises who discharges sewage onto or into any soil, or into any inland waters or Malaysian waters shall, in connection with such discharge, install inspection chambers, flow-meters, sampling equipment, monitoring equipment, and measuring and recording equipment.

23. Owner or occupier to render assistance during inspection

An owner or occupier of any premises shall provide the Director General or any authorized officer every reasonable assistance and facility available at the premises, including labour, equipment, appliances and instruments that the Director General or authorized officer may require for the purpose of taking any action.

24. Fee for licence

(1) The fee for a licence, including the renewal and transfer of a licence, shall be five hundred ringgit and an additional sewage-related licence fee computed in accordance with the method as specified in the Seventh Schedule.

(2) The fee for a licence including the renewal and transfer of a licence of five hundred ringgit shall accompany the application and shall not be refundable.

(3) The sewage-related licence fee shall not become due until called for.

25. Waiver of fee

(1) If the Director General is satisfied that the research on sewage treatment or disposal that is being or is to be conducted on a licensed premises is likely to benefit the cause of environmental protection, he may, with the approval of the Minister, wholly, or partly, waive any sewage-related licence fee payable by virtue of regulation 24.

(2) In deciding the extent of the waiver, the Director General shall be guided by the consideration of the pollution loading of sewage being discharged or to be discharged.

26. Penalty

Any person who contravenes regulations 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 18, 19, 20, 21, 22 and 23 shall be guilty of an offence and shall be liable to a fine not exceeding one hundred thousand ringgit or to a term of imprisonment for a period not exceeding five years or to both and to a further fine not exceeding one thousand ringgit a day for every day that the offence is continued after the notice by the Director General requiring him to cease the act specified in the notice has been served upon him.

27. Revocation, transitional and savings provision

(1) The **Environmental Quality (Sewage and Industrial Effluents) Regulations 1979**[P.U. (A) 12/1979] is revoked (hereinafter referred to as "the revoked Regulations").

(2) Any application made under the revoked Regulations for a licence to contravene the acceptable conditions, renewal or transfer of the licence or written permission 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 it shall be treated as if these Regulations have not been made.

(3) All licences issued or written permission 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 canceled, or the written permission expires or is revoked under the revoked Regulations and for such purposes it shall be treated as if these Regulations have not been made.

(4) The provisions of the revoked Regulations relating to the acceptable conditions for sewage discharge shall continue to apply until twelve months after the date of the coming into operation of these Regulations where on the date of the coming into operation of these Regulations:-

(a) any work on any construction of any sewage treatment system has not commenced within twelve months from the date of the issuance of the written permission for its construction immediately before the date of the coming into operation of these Regulations;

(b) any work on any construction of any sewage treatment has commenced but has not been completed immediately before the date of the coming into operation of these Regulations; or

(c) any work on any construction of any sewage treatment system has been completed but has not begun its operation immediately before the date of the coming into operation of these Regulations.

(5) Where on the date of the coming into operation of these Regulations, any premises is discharging sewage into any inland waters which is not specified as a catchment area under the revoked Regulations immediately before the date of the coming into operation of these Regulations, the provisions of the revoked Regulations relating to acceptable conditions for sewage discharge shall continue to apply to such sewage discharge until twelve months after the date of the coming into operation of these Regulations.

(6) Notwithstanding anything contained in these Regulations, upon the date of the coming into operation of these Regulations, in relation to sewage discharge from any sewerage treatment system, other than communal septic tanks and imhoff tanks:-

(a) the provisions of the revoked Regulations relating to acceptable conditions of sewage discharge as specified in paragraphs (ii) and (iii) of the Second Schedule for Standard A shall apply until 31 December 2016; and

(b) the provisions of the revoked Regulations relating to acceptable conditions of sewage discharge as specified in paragraphs (ii) and (iv) of the Second Schedule for Standard B shall apply until 31 December 2019.

(7) 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 have not been made.

FIRST SCHEDULE

(Regulation 4)

NOTIFICATION FOR NEW SOURCES OF SEWAGE DISCHARGE OR RELEASE

SECTION I

IDENTIFICATION OF PREMISES

1. (i) Name and address of premises:.....

 Mailing address of premises (if different from above):.....

 Telephone number:..... Fax number:.....
 (ii) File reference number of Department of Environment (if applicable):

SECTION II

DESCRIPTION OF PREMISES

2(i)Description of premises/development project

. (Please tick in the relevant box below)

- | | | | |
|--------------------------------------|-------|---|-------|
| (aHousing/ Residential) | _____ | (b) Commercial | _____ |
| (cIndustrial Estate) | _____ | (d) Mixed (commercial plus residential) | _____ |
| (eMixed (industry plus) commercial) | _____ | (f) Mixed (industry plus residential) | _____ |
| (gHotel) | _____ | (h) Resort | _____ |
| (i)Others | _____ | | |

Please describe: _____

(ii)Size of premises/development project

) (Please describe the size of the premise/development project in terms of population equivalent and other descriptors such as number of units, number of rooms, land area, etc. wherever relevant)

Population equivalent: _____

Number of units: _____

Number of rooms: _____

Land area (acres): _____

Other information: _____

SECTION III

INFORMATION ON SEWAGE TREATMENT SYSTEM

3. (i) Type of treatment system
 (Please tick in the relevant box below)
- | | | | |
|---|-------|----------------------|-------|
| (a) Conventional Activated Sludge System | _____ | (b) Oxidation Ponds | _____ |
| (c) Extended Aeration Activated Sludge System | _____ | (d) Oxidation Ditch | _____ |
| (e) Rotating Biological Contactor | _____ | (f) Trickling Filter | _____ |
| (g) Sequencing Batch Reactor | _____ | | |
| (h) Others | _____ | | |
- Please describe: _____

SECTION IV

DISCHARGE INFORMATION

4. (i) Where is the treated sewage (ie, the final sewage) discharged into?
 (Please tick in the relevant box below)
- (a) Watercourse _____
 Name of watercourse: _____
- (b) Lake _____
 Name of lake: _____
- (c) Sea _____
 Name of sea: _____
- (d) Estuary _____
 Name of estuary: _____
- (e) Others _____
 Please describe: _____
- (ii) Location of discharge point
 Latitude: _____ Longitude: _____

SECTION V

DECLARATION

I, _____ hereby declare that all information given in this form is to the best of my knowledge and belief true and correct.

Signature of responsible person:

 Name: _____
 Designation: _____
 Date: _____
 (Affix official seal or stamp of company)

(e) Ammoniacal Nitrogen mg/L - - 100 100 80 80 70 70 60 60

Note:

1. Standard A is applicable to discharge into any inland waters within catchment areas listed in the Third Schedule, while Standard B is applicable to any other inland waters or Malaysian waters.

2. These standards are applicable to the sewerage treatment systems that may have been constructed prior to 1999 based upon approval given by other agency, other than the Department of Sewerage Services, Ministry of Housing and Local Government.

(iii) Existing sewage treatment system (approved after January 1999)

All sewerage treatment systems which were approved after the Guidelines for Developers: Sewerage Treatment Vol. IV, 2nd edition and were enforced by the Department of Sewerage Services, Ministry of Housing and Local Government, beginning January 1999 and up to the date of coming into operation of these Regulations.

| | Parameter | Unit | Standard | |
|-----|---------------------|-------------|-----------------|----------|
| | | | A | B |
| (a) | BOD at 20°C | mg/L | 20 | 50 |
| (b) | COD | mg/L | 120 | 200 |
| (c) | Suspended Solids | mg/L | 50 | 100 |
| (d) | Oil and Grease | mg/L | 20 | 20 |
| (e) | Ammoniacal Nitrogen | mg/L | 50 | 50 |

Note:

Standard A is applicable to discharge into any inland waters within catchment areas listed in the Third Schedule, while Standard B is applicable to any other inland waters or Malaysian waters.

THIRD SCHEDULE

(Regulation 7)

LIST OF CATCHMENT AREAS WHERE STANDARD A APPLIES

1. The catchment areas referred to in these Regulations shall be the areas upstream of surface or above subsurface water supply intakes, for the purpose of human consumption including drinking water.

2. For the purpose of these Regulations, the water supply intakes shall include the public water supply intakes specified below:

(1) The State of Johor

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|-----------------|-------------------------------|---------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| | 2° 39' 29" | Sg. Muar | Segamat |
| 102° 55' 37" | 2° 32' 57" | Sg. Segamat | Segamat |
| 102° 03' 10" | 2° 28' 02" | Sg. Jauseh | Segamat |
| 102° 03' 10" | 2° 28' 02" | Sg. Jauseh | Segamat |
| 102° 39' 57" | 2° 25' 29" | Sg. Jementah | Segamat |
| 102° 49' 55" | 2° 21' 01" | Sg. Muar | Muar |
| 102° 47' 11" | 2° 18' 11" | Sg. Muar | Muar |
| 102° 48' 40" | 2° 14' 59" | Sg. Muar | Muar |
| 102° 44' 58" | 2° 12' 04" | Sg. Muar | Muar |
| 102° 44' 03" | 2° 10' 49" | Sg. Muar | Muar |
| 102° 05' 03" | 1° 53' 09" | Sg. Sembrong/Sg. Bekok Transf | Batu Pahat |
| 103° 32' 24" | 2° 12' 03" | Sg. Kahang | Kluang |
| 103° 26' 55" | 2° 05' 27" | Sg. Kahang | Kluang |
| 103° 40' 14" | 2° 35' 15" | Labong Dam | Mersing |
| 103° 47' 31" | 2° 30' 22" | Conggok Dam | Mersing |
| 103° 39' 22" | 2° 23' 13" | Sg. Lenggor | Mersing |
| 103° 54' 07" | 2° 02' 11" | Sg. Sedili Besar | Mersing |
| 103° 51' 16" | 2° 16' 27" | Bekas Lombong | Mersing |
| 104° 02' 52" | 1° 53' 38" | Sg. Gembut | Kota Tinggi |
| 103° 49' 50" | 1° 49' 52" | Sg. Pelepah | Kota Tinggi |
| 103° 43' 19" | 1° 48' 01" | Sg. Linggiu | Kota Tinggi |
| 103° 40' 05" | 1° 48' 14" | Sg. Sayong | Kota Tinggi |
| 103° 40' 05" | 1° 48' 14" | Sg. Sayong | Kota Tinggi |
| 103° 35' 28" | 1° 51' 28" | Sg. Penggeli | Kota Tinggi |
| 104° 08' 08" | 1° 44' 39" | Sg. Sedili Kecil | Kota Tinggi |
| 104° 12' 13" | 1° 32' 30" | Lebam Dam | Kota Tinggi |
| 103° 46' 58" | 1° 44' 47" | Sg. Johor | Kota Tinggi |
| 103° 27' 09" | 1° 43' 12" | Sg. Pontian Besar | Johor Bahru |
| 103° 54' 43" | 1° 33' 22" | Layang Dam | Johor Bahru |
| 103° 50' 14" | 1° 44' 07" | Sg. Johor | Johor Bahru |
| 103° 21' 54" | 2° 03' 35" | Sg. Sembrong | Kluang |
| 103° 11' 01" | 1° 58' 23" | Sembrong Dam | Kluang |
| 103° 17' 47" | 1° 49' 33" | Sg. Benut | Kluang |
| 103° 03' 10" | 2° 00' 57" | Sg. Bekok Transf | Batu Pahat |
| 104° 03' 12" | 2° 00' 54" | Sg. Bekok Transf | Batu Pahat |
| 103° 05' 57" | 1° 52' 33" | Sg. Sembrong | Batu Pahat |
| 102° 44' 03" | 2° 10' 49" | Sg. Muar | Muar |
| 102° 44' 05" | 2° 10' 48" | Sg. Muar | Muar |
| 102° 44' 05" | 2° 10' 48" | Sg. Muar | Muar |
| 102° 34' 56" | 2° 19' 37" | Ledang Dam | Muar |
| 102° 50' 09" | 2° 31' 07" | Sg. Segamat | Segamat |
| 102° 50' 17" | 2° 31' 12" | Sg. Segamat | Segamat |
| 102° 49' 59" | 2° 30' 55" | Sg. Segamat | Segamat |
| 102° 03' 11" | 2° 28' 01" | Sg. Jauseh | Segamat |
| 103° 52' 24" | 1° 44' 42" | Sg. Johor | PUB Singapura |
| 103° 39' 40" | 1° 33' 30" | Sg. Skudai | PUB Singapura |
| 103° 34' 14" | 1° 32' 30" | Pulai Dam | PUB Singapura |
| 103° 44' 24" | 1° 33' 00" | Sg. Tebrau | PUB Singapura |

(2) The State of Pahang

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|------------|------------------------------|-------------------------------|
| (1) | (2) | (3) | |
| Longitude | Latitude | | |
| (East) | (North) | | |
| 102° 27' 00" | 3° 41' 00" | Sg. Pahang | Batu Sawar |
| 102° 37' 00" | 3° 26' 00" | Sg. Pahang | Bukit Kertau |
| 102° 36' 00" | 3° 30' 00" | Sg. Pahang | Chenor |
| 102° 39' 00" | 3° 44' 45" | Sg. Jempol | Ulu Jempol |
| 102° 40' 00" | 3° 41' 00" | Sg. Jempol | Jengka 3-7 |
| 102° 51' 00" | 3° 38' 00" | Sg. Liut | Kg. New Zealand |
| 102° 39' 00" | 3° 40' 00" | Sg. Jempol | Simpang Jengka |
| 102° 40' 00" | 3° 47' 00" | Sg. Jerik | Sg. Jerik Pump House |
| 102° 56' 00" | 3° 20' 00" | Sg. Mentiga | Cini |
| 192° 59' 00" | 2° 56' 00" | Sg. Keratung | Paluh Rumbek |
| 102° 32' 48" | 3° 07' 63" | Sg. Aur | Aur |
| 102° 51' 27" | 2° 50' 51" | Sg. Keratung | Keratung |
| 103° 23' 00" | 3° 30' 15" | Sg. Pahang | Kg. Mengkasar |
| 103° 10' 00" | 3° 33' 00" | Sg. Pahang | Lepar/Pulau Manis |
| 103° 26' 00" | 3° 08' 00" | Ground Water | Nenasi |
| 103° 23' 30" | 3° 30' 54" | Sg. Pahang | Peramu |
| 103° 19' 00" | 3° 35' 00" | Sg. Pahang | Sekor |
| 101° 53' 00" | 3° 41' 00" | Sg. Bilut | Bilut |
| 101° 45' 00" | 3° 44' 00" | Sg. Hijau | Bukit Fraser Pump House |
| 101° 49' 00" | 3° 56' 00" | Sg. Cheroh | Cheroh |
| 101° 58' 00" | 3° 55' 00" | Sg. Kelo | Dong |
| 101° 49' 00" | 4° 19' 00" | Sg. Jelai | Kuala Medang Pump House |
| 102° 01' 00" | 3° 42' 00" | Sg. Pertang | Lembah Klau |
| 101° 51' 30" | 3° 45' 24" | Sg. Bilut | Raub |
| 101° 59' 00" | 3° 44' 30" | Sg. Chalit | Sg. Chalit Pump House |
| 102° 00' 00" | 3° 46' 00" | Sg. Kelau | Sg. Klau |
| 101° 48' 30" | 3° 44' 00" | Sg. Teras | Teras |
| 101° 47' 45" | 4° 12' 30" | Sg. Koyan | Sg. Koyan Pump House |
| 103° 29' 36" | 3° 48' 24" | Ground Water | Rompin |
| 103° 26' 35" | 2° 37' 15" | Empangan Sg. Anak Endau | Loji Air Seladang |
| 102° 10' 30" | 3° 31' 00" | Sg. Semantan | Bukit Damar |
| 102° 18' 00" | 3° 18' 00" | Sg. Teriang | Bukit Mendi |
| 102° 30' 00" | 2° 18' 00" | Sg. Bera | Bera |
| 102° 33' 00" | 3° 24' 00" | Sg. Pahang | Charuk Puting |
| 102° 22' 00" | 2° 45' 00" | Sg. Kerau | Jenderak Utara |
| 102° 26' 00" | 2° 30' 00" | Sg. Pahang | Lubuk Kawah |
| 102° 23' 00" | 3° 31' 00" | Sg. Semantan | Mentakab |
| 101° 24' 30" | 3° 14' 30" | Sg. Teriang | Triang (Baru) |
| 101° 55' 00" | 3° 29' 00" | Sg. Benus | Bt. 4, Jln. KL/Bentong |
| 101° 53' 00" | 3° 20' 00" | Sg. Benus | Janda Baik |
| 102° 03' 00" | 3° 26' 00" | Sg. Temelong | Karak |
| 101° 53' 00" | 3° 41' 00" | Sg. Bilut | Lurah Bilut |
| 102° 07' 10" | 3° 15' 20" | Sg. Gapoi | Sg. Gapoi |
| 101° 54' 00" | 3° 39' 00" | Sg. Penjuring | Sg. Penjuring |
| 102° 00' 30" | 3° 33' 00" | Sg. Kelau | Sg. Sertik |
| 101° 23' 30" | 4° 31' 20" | Sg. Bertam | Brinchang |
| 101° 25' 00" | 4° 34' 00" | Sg. Perlong | Kuala Terla |
| 101° 21' 00" | 4° 27' 00" | Sg. Jasin | Lubok Tamang |
| 101° 24' 10" | 4° 24' 35" | Sg. Bertam | Takong Empangan Bertam Valley |
| 101° 23' 50" | 4° 26' 20" | Sg. Luchut | Takong Empangan Habu |
| 101° 24' 20" | 3° 34' 40" | Sg. Ikan | Takong Empangan Kg. Raja |
| 101° 21' 40" | 4° 24' 20" | Sg. Ringlet | Takong Empangan Ringlet |

| | | | |
|--------------|------------|---------------|--------------------------|
| 101° 25' 3" | 4° 30' 02" | Sg. Triangkap | Takong Empangan Tringkap |
| 102° 11' 00" | 4° 00' 00" | Sg. Cheka | Batu Balai |
| 102° 21' 42" | 3° 57' 30" | Sg. Pahang | Batu Embun |
| 102° 28' 00" | 3° 53' 00" | Sg. Tekam | Jengka 8-15 |
| 102° 19' 00" | 4° 03' 00" | Sg. Retang | Padang Piol |
| 102° 31' 48" | 3° 52' 00" | Sg. Tekam | Sg. Tekam |
| 102° 33' 42" | 3° 50' 00" | Sg. Tekam | Sg. Tekam Utara |
| 102° 16' 00" | 4° 05' 00" | Sg. Jelai | Mela |
| 102° 11' 00" | 4° 12' 00" | Sg. Jelai | Bt. 9 Halt |
| 101° 58' 00" | 4° 02' 00" | Sg. Lipis | Benta |
| 101° 59' 00" | 4° 14' 25" | Sg. Jelai | Bukit Betong |
| 102° 02' 10" | 4° 10' 20" | Sg. Lipis | Kuala Lipis |
| 102° 01' 00" | 4° 38' 00" | Sg. Merapoh | Merapoh Pump House |
| 102° 06' 00" | 4° 19' 00" | Sg. Temau | Sg. Temau Pump House |
| 103° 22' 00" | 3° 51' 00" | Sg. Jabor | Alor Batu Pump House |
| 103° 21' 00" | 4° 01' 00" | Sg. Ular | Baru Sg. Ular |
| 103° 12' 00" | 3° 53' 00" | Sg. Riau | Bukit Goh |
| 103° 15' 34" | 3° 49' 42" | Sg. Kuantan | Bukit Ubi/Kg. Kobat |
| 103° 15' 00" | 3° 15' 00" | Sg. Kuantan | Kg. Padang |
| 103° 6' 00" | 3° 33' 00" | Sg. Lepar | Lepar Hilir |
| 103° 12' 00" | 3° 53' 00" | Sg. Kuantan | Pasir Kemudi |
| 103° 13' 00" | 3° 53' 00" | Sg. Berkelah | Paya Bungor |
| 103° 21' 00" | 3° 50' 00" | Sg. Kuantan | Semambu |
| 103° 02' 00" | 3° 56' 00" | Sg. Kuantan | Sg. Lembing |

(3) The State of Kelantan

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|--------------|-------------------------------|---------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| 102° 14' 40" | 6° 06' 50" | Kg. Puteh Wellfield | Kampong Puteh |
| 102° 16' 40" | 6° 05' 20" | Kubang Kerian Wellfield | Kubang Kerian |
| 102° 17' 40" | 6° 09' 40" | Pengkalan Chepa Wellfield | Pengkalan Chepa |
| 102° 14' 15" | 6° 05' 50" | Pintu Geng Wellfield | Pintu Geng |
| 102° 16' 15" | 6° 08' 30" | Tg. Mas Wellfield | Tanjung Mas |
| 102° 16' 44" | 6° 05' 18" | Kubang Kerian Wellfield | Chicha |
| 102° 15' 57" | 6° 03' 53" | Kg. Seribong Wellfield | Chicha |
| 102° 15' 03" | 6° 04' 41" | Kg. Chicha Wellfield | Chicha |
| 102° 15' 38" | 6° 05' 12" | Kg. Pasir Hor Wellfield | Chicha |
| 102° 16' 48" | 6° 04' 01" | Kg. Pasir Tumbah Wellfield | Chicha |
| 102° 15' 44" | 6° 04' 29" | Kg. Padang Penyadat Wellfield | Chicha |
| 102° 17' 08" | 6° 05' 38" | Kg. Kenali Wellfield | Chicha |
| 102° 05' 20" | 6° 12' 30" | Wakaf Bharu Wellfield | Wakaf Bharu |
| 102° 10' 20" | 6° 10' 00" | Wakaf Bharu Wellfield | Wakaf Bharu |
| 102° 11' 50" | 6° 07' 00" | Kg. Sedar Wellfield | Kg. Sedar |
| 102° 09' 23" | 6° 02' 50" | Sg. Kelantan | Kelar |
| 101° 58' 00" | 6° 01' 10" | Rantau Panjang Wellfield | Rantau Panjang |
| 102° 08' 31" | 6° 02' 15" | Sg. Kelantan | Lemal |
| 102° 20' 40" | 6° 02' 30" | Kg. Chap Wellfield | Kg. Chap |
| 102° 23' 10" | 5° 00' 50" | Kg. Chap Wellfield | Kg. Chap |
| 102° 24' 00" | 6° 02' 50" | Jelawat Wellfield | Jelawat |
| 102° 24' 50" | 5° 49' 45" | Sg. Rasau | Wakaf Bunut |
| 102° 13' 08" | 5° 31' 17" | Sg. Kelantan | Tualang |
| 102° 13' 40" | 5° 28' 20" | Sg. Lebir | Pahi |
| 102° 12' 20" | 5° 29' 30" | Sg. Lebir | Manik Urai |
| 102° 08' 40" | 5° 41' 50" | Sg. Kelantan | Kg. Bandar Kemubu |
| 102° 05' 45" | 5° 55' 50" | Sg. Muring | Kemahang |
| 102° 09' 20" | 5° 47' 20" | Sg. Kelantan | Bukit Remah |

| | | | |
|--------------|------------|--------------|---------------|
| 102° 05' 45" | 5° 55' 50" | Sg. Jegor | Bendang Nyior |
| 101° 58' 30" | 5° 50' 00" | Sg. Jedok | Batu Gajah |
| 102° 05' 30" | 5° 41' 00" | Sg. Kerila | Kuala Tiga |
| 101° 53' 25" | 5° 46' 40" | Sg. Lanas | Air Lanas |
| 101° 50' 30" | 5° 42' 00" | Sg. Pergau | Jeli |
| 101° 50' 10" | 5° 29' 20" | Sg. Terang | Kuala Balah |
| 102° 00' 00" | 5° 18' 20" | Sg. Stong | Stong |
| 102° 04' 14" | 5° 04' 50" | Sg. Galas | Limau Kasturi |
| 102° 18' 29" | 4° 57' 40" | Sg. Lebir | Aring |
| 102° 02' 39" | 5° 08' 50" | Sg. Nenggiri | Bertam baru |
| 102° 10' 36" | 4° 53' 56" | Sg. Ciku | Ciku |
| 101° 59' 07" | 4° 50' 35" | Sg. Ketil | Sg. Ketil |
| 101° 47' 25" | 4° 54' 01" | Sg. Betis | Pangung Lalat |

(4) The State of Perlis

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|---------------------|------------------------------|---------------------|
| Longitude (East) | (1) | (2) | (3) |
| | Latitude (North) | | |
| 100° 09' 14" | 6° 20' 11" | Anak Sungai | Terusan Arau |
| 100° 16' 15" | 6° 25' 15" | Telaga Gerek/Mada Canal | Arau |
| 100° 19' 00" | 6° 31' 25" | Telaga Gerek | Felda Chuping |
| 100° 12' 00" | 6° 42' 30" | Sungai Rasa | Wang Kelian |
| 100° 12' 00" | 6° 34' 00" | Empangan Timah Tasoh | Timah Tasoh |
| 100° 14' 30" | 6° 33' 15" | Telaga Gerek | Semadong |

(5) The State of Kedah

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|---------------------|------------------------------|---------------------|
| Longitude (East) | (1) | (2) | (3) |
| | Latitude (North) | | |
| 100° 25' 48.3" | 6° 12' 20.5" | Ter. MADA Utara | Alor Star |
| 100° 27' 34.8" | 6° 13' 11.9" | Sg. Padang Terap | Jitra |
| 100° 36' 56.0" | 6° 14' 48.0" | Kuala Nerang | Kuala Nerang |
| 100° 41' 18.0" | 6° 20' 27.5" | Sg. Ahning | Padang Sanai |
| 100° 45' 10.5" | 6° 03' 16.3" | Sg. Muda | Nami |
| 100° 29' 2.47" | 5° 55' 29.1" | Ter. MADA Selatan | Bukit Jenun |
| 100° 43' 53.8" | 6° 00' 05.8" | Sg. Muda | Lubuk Merbau |
| 100° 26' 6.2" | 6° 23' 48.0" | Sg. Temin | Changloon |
| 100° 38' 43.4" | 5° 54' 26.2" | Sg. Muda | Jeneri |
| 100° 29' 47.3" | 5° 34' 13.8" | Sg. Muda | Pinang Tunggal |
| 100° 29' 59.6" | 5° 34' 13.8" | Sg. Muda | Pinang Tunggal |
| 100° 37' 13.8" | 5° 49' 26.8" | Sg. Muda | Jeniang |
| 100° 26' 28.3" | 5° 46' 04.7" | Gunung Jerai | Tupah |
| 100° 24' 54.1" | 5° 44' 36.6" | Gunung Jerai | Merbok |
| 100° 41' 37.8" | 5° 47' 40.0" | Sg. Chepir | Sik |
| 100° 30' 24.5" | 5° 34' 15.6" | Sg. Muda | Kulim Hi-Tech |
| 100° 30' 24.5" | 5° 34' 15.6" | Sg. Muda | Bukit Selambau |
| 100° 29' 47.3" | 5° 39' 39.7" | Sg. Ketil | Baling |
| 100° 29' 59.6" | 5° 40' 23.0" | Gunung Inas | Baling |
| 100° 37' 13.8" | 5° 40' 52.4" | Gunung Inas | Baling |
| 100° 26' 28.3" | 5° 36' 30.6" | Kuala Ketil | Kuala Ketil |
| 100° 24' 54.1" | 5° 43' 24.8" | Sg. Muda | Teloi Kanan |

| | | | |
|----------------|--------------|------------------|--------------|
| 100° 29' 47.3" | 5° 19' 40.7" | Sg. Kerian | Mahang |
| 100° 29' 59.6" | 5° 28' 57.0" | Sg. Sedim | Bikan |
| 100° 37' 13.8" | 5° 21' 50.5" | Sg. Kulim | Sg. Ular |
| 100° 26' 28.3" | 5° 08' 18.0" | Sg. Krian | Lubuk Buntar |
| 100° 29' 47.3" | 6° 22' 45.8" | Sg. Raga | Langkawi |
| 100° 29' 59.6" | 6° 22' 47.3" | Sg. Melaka | Langkawi |
| 100° 37' 13.8" | 6° 21' 09.4" | Empangan Malut | Langkawi |
| 100° 26' 28.3" | 6° 15' 16.5" | Sg. Teluk Bujur | Pulau Tuba |
| 100° 24' 54.1" | 6° 20' 24.3" | Ter. MADA, Arau | Langkawi |
| 100° 11' 10" | 6° 20' 26" | Mada Canal (Arau | Sg. Baru |

(6) The State of Perak

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|--------------|------------------------------|----------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| 100° 55' 15" | 4° 56' 25" | Sg. Biong | Sauk |
| 100° 57' 04" | 4° 48' 04" | Sg. Perak | Kota Lama Kiri |
| 100° 51' 33" | 4° 45' 04" | Sg. Kangsar | Pdg. Rengas |
| 100° 51' 23" | 4° 36' 17" | Sg. Guar | Manong |
| 101° 04' 33" | 4° 49' 21" | Sg. Kerbau | Sg. Siput |
| 101° 04' 10" | 4° 47' 42" | Sg. Bemban | Sg. Siput |
| 101° 04' 19" | 4° 59' 00" | Sg. Kucha | Felda Lasah |
| 101° 10' 45" | 4° 54' 40" | Sg. Kerbau | Perlop I |
| 101° 01' 09" | 5° 42' 36" | Sg. Kuak | Pengkalan Hul |
| 101° 00' 20" | 5° 45' 33" | Sg. Semangga | Pengkalan Hulu |
| 101° 04' 11" | 5° 42' 00" | Sg. Kuak | Lepang Nenering |
| 101° 01' 02" | 5° 38' 08" | Sg. Kajang | Klian Intan |
| 101° 08' 03" | 5° 31' 51" | Sg. Berok | Kg. Jong |
| 101° 21' 02" | 5° 33' 10" | Sg. Perak-Tasek Temenggor | Pulau Banding |
| 101° 12' 43" | 5° 25' 48" | Sg. Perak-Tasek Bersia | Grik V |
| 101° 09' 45" | 5° 21' 40" | Sg. Perak | Air Ganda |
| 101° 03' 11" | 5° 18' 55" | Sg. Pulau | Lawin Kinayat |
| 101° 00' 41" | 5° 11' 43" | Sg. Ibol | Sumpitan |
| 100° 57' 38" | 5° 06' 55" | Sg. Lenggong | Lenggong |
| 100° 28' 38" | 5° 03' 54" | Terusan Besar | Jalan Baru |
| 100° 39' 06" | 4° 57' 38" | Terusan Selinsing | Gunung Semanggol |
| 100° 46' 15" | 4° 52' 45" | Sg. Ranting | Taiping Headworks |
| 100° 46' 15" | 4° 52' 53" | Sg. Anak Ranting | Taiping Headworks |
| 100° 46' 29" | 4° 50' 39" | Sg. Batu Teguh | Taiping Headworks |
| 100° 46' 16" | 4° 50' 06" | Sg. Tupai | Taiping Headworks |
| 100° 45' 53" | 4° 52' 05" | Sg. Air Terjun | Taiping Headworks |
| 100° 49' 23" | 5° 14' 47" | Sg. Seputeh | Sungai Bayor |
| 100° 51' 25" | 5° 15' 40" | Sg. Selama | Selama |
| 100° 52' 30" | 5° 09' 10" | Sg. Klian Gunung | Kelian Gunung |
| 100° 50' 30" | 5° 00' 55" | Sg. Air Hitam | Jelai |
| 100° 49' 58" | 4° 54' 27" | Sg. Kurau | Batu Kurau |
| 100° 45' 25" | 4° 41' 27" | Sg. Terong | Terong |
| 100° 42' 56" | 4° 37' 48" | Sg. Wang | Air Terjun |
| 100° 46' 07" | 4° 37' 38" | Sg. Nyior | Air Terjun |
| 100° 46' 10" | 4° 36' 32" | Sg. Pulai | Air Terjun |
| 100° 46' 13" | 4° 48' 47" | Sg. Larut | Air Kuning |
| 100° 44' 45" | 4° 48' 41" | Sg. Buluh | Air Kuning |
| 101° 09' 41" | 4° 22' 02" | Sg. Kampar | Sg. Kampar |
| 101° 10' 38" | 4° 21' 24" | Sg. Palai | Sg. Palai |
| 101° 02' 42" | 4° 37' 45" | Sg. Tapah | Sg. Tapah |
| 100° 54' 57" | 4° 29' 17" | Sg. Perak | Sultan Idris Shah II |
| 101° 12' 03" | 4° 40' 07" | Sg. Kinta | Ulu Kinta |

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|--------------|------------|-----------------|-------------------------|
| 100° 53' 00" | 4° 19' 19" | Sg. Perak | Teluk Kepayang |
| 100° 53' 00" | 4° 24' 19" | Sg. Perak | Kg. Paloh |
| 100° 54' 12" | 4° 22' 40" | Sg. Perak | BB Seri Iskandar |
| 100° 47' 00" | 4° 31' 11" | Sg. Lichin | Beruas |
| 100° 47' 07" | 4° 32' 29" | Sg. Beruas | Beruas |
| 100° 56' 11" | 4° 11' 02" | Sg. Perak | Kampung Gajah |
| 101° 19' 40" | 4° 17' 25" | Sg. Btg. Padang | Bukit Temoh |
| 101° 21' 45" | 4° 13' 04" | Sg. Who | Bukit Temoh |
| 101° 31' 48" | 3° 47' 52" | Sg. Behrang | Sg. Dara |
| 101° 16' 27" | 3° 56' 38" | Sg. Sungkai | Felda Gunung Besout |
| 101° 25' 39" | 3° 57' 17" | Sg. Trolak | Trolak Selatan |
| 101° 25' 39" | 3° 57' 17" | Sg. Trolak | Trolak Timor |
| 101° 24' 41" | 4° 00' 54" | Sg. Tesong | Felda Sg. Klah |
| 101° 30' 28" | 3° 53' 30" | Sg. Gelinting | Tg. Malim (Proton City) |

(7) The State of Penang

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|-----------------|--------------------------------------|---|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| 100° 16' 10" | 5° 24' 00" | Sg. Air Hitam | Pulau Pinang |
| 100° 15' 56" | 5° 24' 13" | Sg. Air Itam (Sg. Tepi) | Pulau Pinang untuk Kolam Air, Air Itam |
| 100° 16' 58" | 5° 26' 25" | Sg. Air Terjun | Pulau Pinang |
| 100° 14' 41" | 5° 26' 53" | Sg. Batu Ferringhi | Pulau Pinang |
| 100° 14' 28" | 5° 26' 51" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 14' 20" | 5° 27' 17" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 14' 42" | 5° 26' 52" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 14' 45" | 5° 26' 55" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 14' 45" | 5° 27' 12" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 14' 45" | 5° 27' 27" | Sg. Batu Ferringhi | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 17' 32" | 5° 26' 04" | Highlands | Pulau Pinang |
| 100° 17' 28" | 5° 25' 02" | Highlands | Bekalan untuk Kolam Air, Air Terjun |
| 100° 16' 23" | 5° 27' 39" | Sg. Kecil | Pulau Pinang |
| 100° 16' 18" | 5° 27' 44" | Sg. Kecil | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 16' 37" | 5° 27' 23" | Sg. Klean | Pulau Pinang |
| 100° 15' 49" | 5° 26' 23" | Talian Kuasa Sg. Klean | Pulau Pinang untuk Kolam Air Guilemard dan Kolam Air Batu Ferringhi |
| 100° 13' 33" | 5° 24' 15" | Sg. Pinang Barat | Pulau Pinang |
| 100° 13' 40" | 5° 24' 16" | Sg. Pinang Barat | Bekalan untuk Kolam Air Balik Pulau |
| 100° 14' 17" | 5° 28' 15" | Anak Sg. Sebelah 3Vs | Pulau Pinang |
| 100° 16' 33" | 5° 27' 41" | Sg. Siru | Pulau Pinang |
| 100° 16' 45" | 5° 24' 55" | Anak Sg. Tats | Pulau Pinang |
| 100° 14' 55" | 5° 25' 09" | Kolam Air Tiger Hill | Pulau Pinang untuk Kawasan Bukit Bendera |
| 100° 15' 51" | 5° 23' 46" | Empangan Air Itam | Pulau Pinang untuk Kolam Air, Air Itam |
| 100° 30' 13" | 5° 26' 05" | Sg. Kulim | Seberang Perai Utara |
| 100° 29' 15" | 5° 33' 24" | Sg. Muda | Seberang Perai Utara |
| 100° 29' 52" | 5° 22' 33" | Kolam Air Bukit Berapit/Sg Mengkuang | Seberang Perai Tengah |
| 100° 30' 39" | 5° 21' 02" | Kolam Air Cherok Tok Kun | Seberang Perai Tengah |
| 100° 32' 11" | 5° 09' 35" | Kolam Air Bukit Panchor | Seberang Perai Selatan |
| 100° 17' 00" | 5° 25' 00" | Sg. Air Putih | Pulau Pinang Air Hitam |

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|--------------|------------|-----------------------|-----------------------------|
| 100° 14' 41" | 5° 26' 53" | Sg. Batu Ferringhi | Pulau Pinang |
| 100° 14' 35" | 5° 28' 00" | Sg. Batu Ferringhi | Pulau Pinang Batu Ferringhi |
| 100° 34' 00" | 5° 10' 00" | Sg. Kecil Hilir | Seberang Perai Selatan |
| 100° 32' 00" | 5° 09' 00" | Simpang Hantu | Seberang Perai Selatan |
| 100° 13' 00" | 5° 26' 30" | Empangan Teluk Bahang | Pulau Pinang |

(8) The State of Selangor

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|----------------|----------------------------------|---------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| 101° 04' 48" | 3° 43' 48" | Sg. Bernam | Sabak Bernam |
| 101° 40' 06" | 3° 27' 54" | Sg. Batang Kali | Hulu Selangor |
| 101° 23' 54" | 3° 40' 30" | Sg. Dusun | Hulu Selangor |
| 101° 26' 48" | 3° 44' 24" | Sg. Bernam | Hulu Selangor |
| 101° 25' 30" | 3° 37' 30" | Sg. Tinggi | Hulu Selangor |
| 101° 35' 42" | 3° 38' 54" | Sg. Inki | Hulu Selangor |
| 101° 41' 30" | 3° 36' 42" | Sg. Gerachi | Hulu Selangor |
| 101° 34' 00" | 3° 24' 30" | Sg. Darah | Hulu Selangor |
| 101° 26' 48" | 3° 24' 00" | Sg. Selangor/Sg. Tinggi | Kuala Selangor |
| 101° 25' 20" | 3° 23' 20" | Sg. Selangor/Empangan Sg. Tinggi | Kuala Selangor |
| 101° 25' 20" | 3° 23' 20" | Sg. Selangor/Empangan Sg. Tinggi | Kuala Selangor |
| 101° 25' 20" | 3° 23' 20" | Sg. Selangor/Empangan Sg. Tinggi | Kuala Selangor |
| 101° 10' 30" | 3° 32' 30" | Sg. Sireh | Kuala Selangor |
| 101° 41' 10" | 3° 16' 05" | Sg. Batu/Empangan Batu | Gombak |
| 101° 40' 00" | 3° 17' 00" | Sg. Kanching | Gombak |
| 101° 44' 00" | 3° 18' 30" | Sg. Gombak | Gombak |
| 101° 36' 50" | 3° 14' 15" | Sg. Buloh | Gombak |
| 101° 44' 18" | 3° 17' 54" | Sg. Rumpit | Gombak |
| 101° 37' 36" | 3° 14' 18" | Sg. Keroh | Gombak |
| 101° 33' 00" | 3° 01' 05" | Sg. Pusu | Gombak |
| 101° 48' 06" | 3° 09' 42" | Sg. Ampang | Gombak |
| 101° 29' 00" | 3° 10' 00" | Sg. Subang/Empangan Subang | Kelang |
| 101° 47' 18" | 3° 04' 42" | Sg. Langat/Empangan Langat | Hulu Langat |
| 101° 46' 36" | 3° 02' 36" | Sg. Langat/Empangan Langat | Hulu Langat |
| 101° 47' 12" | 3° 05' 48" | Sg. Serai | Hulu Langat |
| 101° 53' 25" | 3° 13' 15" | Sg. Lolo | Hulu Langat |
| 101° 53' 15" | 3° 12' 50" | Sg. Pangsoon | Hulu Langat |
| 101° 45' 36" | 3° 14' 16" | Sg. Klang/Empangan Klang Gates | Kuala Lumpur |
| 101° 40' 48" | 2° 50' 48" | Sg. Langat/Empangan Langat | Kuala Langat |
| 101° 43' 05" | 2° 46' 45" | Sg. Labu | Sepang |
| 101° 44' 20" | 2° 53' 20" | Sg. Semenyih/Empangan Semenyih | Sepang |
| 101° 25.2' 15.9" | 3° 23.2' 19.9" | Batang Berjantai/Sg. Selangor | Kuala Selangor |
| 101° 26' 20.5" | 3° 23' 10.2" | Batang Berjantai/Sg. Selangor | Kuala Selangor |
| 101° 38' 7.7" | 3° 30' 30.4" | Rasa/Sg. Selangor | Kuala Selangor |
| 101° 44' 10" | 2° 53' 30" | Sg. Semenyih | Sepang |
| 101° 42' 50" | 2° 53' 23" | Sg. Semenyih | Sepang |
| 101° 48' 10" | 3° 09' 15" | Sg. Ampang | Gombak |
| 101° 41' 56" | 3° 28' 45" | Sg. Batang Kali | Hulu Selangor |
| 101° 20' 05" | 3° 40' 50" | Sg. Bernam | Sabak Bernam |
| 101° 26' 48" | 3° 44' 30" | Sg. Bernam | Hulu Selangor |
| 101° 31' 42" | 3° 24' 24" | Sg. Darah | Hulu Selangor |
| 101° 23' 54" | 3° 40' 30" | Sg. Dusun | Hulu Selangor |
| 101° 41' 30" | 3° 36' 42" | Sg. Gerachi | Kuala Selangor |
| 101° 44' 00" | 3° 18' 30" | Sg. Gombak | Gombak |
| 102° 44' 00" | 3° 17' 06" | Sg. Gombak | Gombak |
| 101° 36' 10" | 3° 39' 05" | Sg. Inki | Hulu Selangor |
| 101° 40' 18" | 3° 16' 24" | Sg. Kepong | Gombak |

| | | | |
|--------------|------------|---|----------------|
| 101° 37' 36" | 3° 14' 18" | Sg. Keroh | Sg. Keroh |
| 101° 30' 48" | 3° 34' 05" | Sg. Kubu | Kuala Selangor |
| 101° 42' 05" | 2° 47' 05" | Sg. Labu | Sepang |
| 101° 40' 48" | 3° 50' 48" | Sg. Langat | Kuala Langat |
| 101° 46' 36" | 3° 02' 36" | Sg. Langat | Hulu Langat |
| 101° 50' 18" | 3° 44' 42" | Sg. Lolo | Hulu Langat |
| 101° 50' 24" | 3° 44' 36" | Sg. Pangsoon | Hulu Langat |
| 101° 43' 48" | 3° 17' 48" | Sg. Pusu | Gombak |
| 101° 40' 00" | 3° 17' 00" | Sg. Rangkap | Gombak |
| 101° 45' 05" | 3° 18' 00" | Sg. Rumpit | Gombak |
| 101° 26' 48" | 3° 24' 00" | Sg. Selangor | Kuala Selangor |
| 101° 26' 48" | 3° 22' 06" | Sg. Selangor | Kuala Selangor |
| 101° 47' 12" | 3° 05' 48" | Sg. Serai | Hulu Langat |
| 101° 25' 40" | 3° 38' 15" | Sg. Tengi | Hulu Selangor |
| 101° 45' 36" | 3° 14' 16" | Empangan Klang Gates | Kuala Lumpur |
| 102° 45' 36" | 4° 14' 16" | Empangan Klang Gates | Gombak |
| 101° 47' 30" | 3° 04' 42" | Empangan Sg. Langat (discharge into Sg. Langat) | Hulu Langat |
| 101° 41' 10" | 3° 17' 05" | Empangan Sg. Batu | Gombak |
| 101° 28' 48" | 3° 10' 00" | Empangan Tasik Subang | Kelang |

(9) The State of Sarawak

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|-----------------|------------------------------|----------------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |
| 111° 52' 47" | 1° 34' 52" | Sg. Batang Rajang | Sibu |
| 111° 52' 27" | 2° 15' 51" | Sg. Batang Rajang | Sibu |
| 110° 16' 42" | 1° 27' 20" | Sg. Sarawak Kiri | Batu Kitang, Kuching |
| 110° 16' 44" | 1° 27' 19" | Sg. Sarawak Kiri | Batu Kitang, Kuching |
| 110° 16' 33" | 1° 26' 58" | Sg. Sarawak Kiri | Batu Kitang, Kuching |
| 110° 16' 31" | 1° 26' 52" | Sg. Sarawak Kiri | Batu Kitang, Kuching |
| 110° 12' 30" | 1° 34' 52" | Empangan Matang | Matang, Kuching |
| 110° 11' 14" | 1° 36' 33" | Sg. Cina | Matang, Kuching |
| 110° 12' 53" | 1° 34' 56" | Sebubut Basin Intake | Matang, Kuching |
| 112° 02' 05" | 4° 18' 18" | Sg. Liku | Miri |
| 114° 02' 05" | 4° 18' 19" | Sg. Liku | Miri |
| 114° 06' 05" | 4° 18' 18" | Sg. Liku | Miri |
| 114° 01' 58" | 4° 18' 06" | Sg. Liku | Miri |
| 114° 07' 40" | 4° 11' 37" | Sg. Bakong | Buri |
| 114° 58' 10" | 4° 40' 01" | Sg. Berawan | Limbang |
| 115° 02' 27" | 4° 37' 07" | Sg. Pendaruan | Limbang |
| 112° 25' 45" | 2° 40' 30" | Sg. Krat | Bako |
| 110° 08' 47" | 1° 08' 47" | Sg. Sarawak Kanan | Kuching |
| 109° 51' 11" | 1° 40' 52" | Sg. Lundu | Kuching |
| 110° 28' 50" | 1° 38' 48" | Sg. Selabat | Kuching |
| 110° 24' 04" | 1° 17' 28" | Sg. Tapah | Siburan, Tapah and Beratok |
| 109° 47' 44" | 1° 47' 41" | Sg. Sebat Besar | Sematan |
| 110° 01' 56" | 1° 26' 52" | Sg. Siniawan | Kuching |
| 111° 31' 10" | 1° 08' 14" | Sg. Batang Undup | Sri Aman |
| 111° 25' 00" | 1° 06' 15" | Sg. Dor | Melugu |
| 111° 37' 10" | 1° 17' 08" | Sg. Dor | Skrang |
| 111° 49' 51" | 1° 00' 11" | Sg. Batang Ai | Lubuk Antu |
| 111° 38' 13" | 1° 07' 53" | Sg. Marup | Engkili |
| 111° 23' 05" | 1° 18' 22" | Sg. Seterap | Pantu |
| 111° 10' 16" | 1° 21' 05" | Sg. Stugok | Lingga |
| 112° 50' 05" | 1° 02' 26" | Sg. Lemanak | Lubuk Antu LDS |
| 111° 32' 16" | 1° 24' 31" | Sg. Stumbin | Stumbin/Bijat |
| 113° 06' 33" | 3° 12' 32" | Sg. Sibiu | Bintulu |

| | | | |
|--------------|------------|---------------------|-----------------|
| 113° 06' 32" | 3° 12' 27" | Sg. Sibiu | Bintulu |
| 111° 02' 09" | 1° 39' 38" | Sg. Meludam | Meludam |
| 111° 07' 00" | 1° 10' 00" | Sg. Batang Layar | Betong |
| 111° 23' 57" | 1° 39' 12" | Sg. Obar | Debak |
| 111° 12' 19" | 1° 38' 01" | Sg. Dumit | Beladin |
| 111° 17' 15" | 1° 38' 39" | Sg. Undai | Pusa |
| 111° 19' 34" | 1° 47' 15" | Sg. Sebelak | Betong |
| 111° 41' 11" | 2° 04' 54" | Sg. Bintangor | Bintangor |
| 111° 30' 05" | 2° 01' 35" | Sg. Bintangor | Sarikei |
| 111° 40' 45" | 1° 53' 35" | Sg. Julau | Pakan |
| 111° 54' 15" | 2° 01' 41" | Sg. Julau | Julau |
| 111° 15' 42" | 2° 00' 54" | Sg. Kerubong | Selalang |
| 115° 23' 11" | 4° 49' 34" | Sg. Gaya | Lawas |
| 114° 55' 48" | 4° 49' 34" | Sg. Menuang | Lubai Tengah |
| 115° 19' 17" | 4° 50' 32" | Sg. Batang Trusan | Trusan |
| 115° 16' 15" | 4° 47' 08" | Sg. Batang Trusan | Sundar |
| 110° 33' 45" | 1° 09' 45" | Sg. Sadong | Serian |
| 110° 37' 08" | 1° 08' 03" | Sg. Sinyaru | Triboh |
| 110° 47' 61" | 1° 22' 03" | Sg. Melanjok | Simunjan |
| 110° 30' 21" | 1° 05' 53" | Sg. Kayan | Terbakang |
| 110° 40' 00" | 1° 12' 23" | Sg. Batang Krang | Gedong |
| 110° 37' 01" | 1° 32' 31" | Sg. Nonok | Samarahan |
| 110° 56' 06" | 1° 31' 08" | Sg. Sebuyau | Sebuyau |
| 110° 21' 18" | 1° 01' 45" | Sg. Suhu | Tebedu |
| 110° 45' 58" | 1° 33' 36" | Sg. Sebangon | Sebangon |
| 110° 48' 26" | 1° 03' 04" | Sg. Krang | Balai Ringin |
| 113° 16' 08" | 3° 06' 43" | Sg. Sebangat | Sebauh |
| 112° 51' 32" | 2° 53' 13" | Sg. Sap Kiri | Tatau |
| 113° 29' 49" | 3° 15' 39" | Sg. Batang Kemena | Labang |
| 113° 42' 49" | 3° 09' 54" | Sg. Jelalang | Tubau |
| 112° 47' 05" | 3° 04' 08" | Ground Water | Bintulu |
| 112° 47' 15" | 3° 04' 08" | Sg. Anap | Bintulu |
| 113° 56' 42" | 3° 09' 52" | Sg. Koyan | Bakau |
| 114° 19' 06" | 4° 10' 40" | Sg. Batang Baram | Miri |
| 114° 24' 43" | 3° 45' 56" | Sg. Batang Baram | Long Lama |
| 113° 55' 44" | 4° 06' 26" | Sg. Kejapil | Bekenu |
| 114° 06' 15" | 3° 58' 02" | Sg. Bakong | Beluru |
| 113° 47' 02" | 3° 44' 00" | Sg. Niah | Niah, Subis |
| 112° 11' 26" | 2° 46' 08" | Sg. Kanowit | Kanowit |
| 112° 35' 09" | 3° 00' 47" | Sg. Mukah | Ulu Mukah |
| 112° 23' 28" | 2° 22' 28" | Sg. Ulu Mukah | Ng. Sekauu |
| 112° 04' 19" | 2° 52' 26" | Sg. Kanowit | Machan |
| 112° 04' 46" | 2° 17' 15" | Sg. Bawang Assan | Sibu |
| 111° 58' 30" | 2° 41' 15" | Sg. Ngemah | Ng. Jagau |
| 111° 18' 21" | 1° 53' 08" | Sg. Kabah | Ng. Tada |
| 112° 09' 08" | 2° 55' 18" | Sg. Ngemah | Ng. Ngungun |
| 112° 56' 15" | 2° 00' 51" | Sg. Batang Rejang | Kapit |
| 113° 46' 02" | 2° 42' 33" | Sg. Belaga | Belaga |
| 113° 40' 57" | 1° 49' 08" | Sg. Batang Baleh | Ng. Entawau |
| 112° 32' 24" | 2° 56' 17" | Sg. Suyung | Balingan |
| 112° 09' 05" | 2° 05' 57" | Sg. Batang Mukah | Mukah |
| 111° 43' 10" | 2° 50' 05" | Sg. Lasai Dagan | Igan |
| 111° 50' 28" | 2° 44' 11" | Sg. Nangar | Kut |
| 112° 21' 36" | 2° 05' 16" | Sg. Setuan Besar | Kuala Balingian |
| 111° 30' 42" | 2° 38' 14" | Sg. Mabun | Kg. Tian |
| 111° 23' 32" | 2° 2' 05" | Sg. Muara Serdang | Semup |
| 111° 15' 12" | 2° 24' 48" | Ground Water | Paloh |
| 111° 35' 08" | 2° 0' 49" | Sg. Batang Jemoreng | Matu |
| 111° 27' 54" | 2° 37' 57" | Sg. Daro | Daro |
| 111° 27' 50" | 2° 30' 00" | Ground Water | Saai |

(10) Federal Territory of Labuan

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|------------|-------------------------------|---------------------------|
| Longitude | (1) | (2) | (3) |
| (East) | Latitude | | |
| | (North) | | |
| 115° 11' 00" | 5° 21' 00" | Sg. Kina Benuwa | Empangan Air Bukit Kuda |
| 115° 10' 00" | 5° 19' 00" | Sg. Kina Benuwa | Empangan Air Sungai Pagar |
| 115° 13' 00" | 5° 19' 00" | Sg. Kina Benuwa | Empangan Air Kerupang |
| 115° 12' 59" | 5° 18' 13" | Sg. Kina Benuwa | |
| 115° 14' 59" | 5° 17' 36" | Telaga Tiub Borehole No. A19 | |
| 115° 15' 01" | 5° 17' 27" | Telaga Tiub Borehole No. M | |
| 115° 15' 02" | 5° 17' 19" | Telaga Tiub Borehole No. B | |
| 115° 15' 17" | 5° 17' 21" | Telaga Tiub Borehole No. A 21 | |
| 115° 15' 26" | 5° 17' 24" | Telaga Tiub Borehole No. M 11 | |
| 115° 15' 34" | 5° 17' 38" | Telaga Tiub Borehole No. B 23 | |
| 115° 15' 20" | 5° 17' 42" | Telaga Tiub Borehole No. A 12 | |
| 115° 15' 16" | 5° 10' 05" | Telaga Tiub Borehole No. W 5 | |
| 115° 15' 11" | 5° 17' 53" | Telaga Tiub Borehole No. A 20 | |
| 115° 15' 01" | 5° 10' 16" | Telaga Tiub Borehole No. B 24 | |
| 115° 15' 01" | 5° 10' 01" | Telaga Tiub Borehole No. 10 | |
| 115° 14' 59" | 5° 10' 30" | Telaga Tiub Borehole No. W 4 | |
| 115° 14' 48" | 5° 18' 45" | Telaga Tiub Borehole No. W 3 | |
| 115° 14' 26" | 5° 19' 51" | Telaga Tiub Borehole No. B 27 | |
| 115° 14' 26" | 5° 19' 52" | Telaga Tiub Borehole No. A 14 | |
| 115° 14' 13" | 5° 19' 36" | Telaga Tiub Borehole No. A 17 | |
| 115° 14' 29" | 5° 19' 18" | Telaga Tiub Borehole No. A 13 | |
| 115° 14' 38" | 5° 19' 28" | Telaga Tiub Borehole No. B 26 | |
| 115° 14' 33" | 5° 19' 05" | Telaga Tiub Borehole No. W 1 | |
| 115° 14' 39" | 5° 19' 12" | Telaga Tiub Borehole No. B 25 | |
| 115° 14' 40" | 5° 18' 56" | Telaga Tiub Borehole No. W 2 | |
| 115° 14' 44" | 5° 18' 28" | Telaga Tiub Borehole No. A 8 | |
| 115° 14' 28" | 5° 18' 28" | Telaga Tiub Borehole No. A 15 | |
| 115° 15' 09" | 5° 17' 32" | Telaga Tiub Borehole No. B 22 | |
| 115° 14' 46" | 5° 18' 00" | Telaga Tiub Borehole No. A 18 | |

(11) The State of Sabah

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|--------------|------------------------------|---------------------|
| Longitude | (1) | (2) | (3) |
| (East) | Latitude | | |
| | (North) | | |
| 116° 09' 24.2" | 5° 55' 21.4" | Sg. Moyog | Penampang |
| 116° 11' 16.2" | 5° 54' 47.6" | Empangan Babagon | Penampang |
| 116° 06' 33.6" | 5° 54' 52.4" | Sg. Moyog | Penampang |
| 116° 00' 00.1" | 5° 41' 06.6" | Sg. Papar | Papar |
| 115° 56' 51.9" | 5° 42' 52.9" | Sg. Papar | Papar |
| 115° 56' 52.2" | 5° 42' 50.2" | Sg. Papar | Papar |
| 116° 02' 12.5" | 5° 42' 31.4" | Sg. Papar | Papar |
| 116° 14' 34.3" | 6° 08' 49.9" | Sg. Tuaran | Tamparuli |
| 116° 16' 09.9" | 6° 07' 54.9" | Sg. Tuaran | Tamparuli |
| 116° 14' 14.3" | 6° 09' 12.2" | Sg. Tuaran | Tamparuli |
| 116° 13' 56.6" | 6° 08' 24.9" | Sg. Tuaran | Tamparuli |
| 116° 17' 55.7" | 6° 11' 20.4" | Sg. Damit | Tuaran |
| 116° 13' 43.2" | 6° 10' 26.1" | Sg. Tuaran | Tuaran |
| 118° 06' 49.7" | 5° 51' 14.2" | Boreholes | Sandakan |
| 118° 06' 47.9" | 5° 51' 22.0" | Boreholes | Sandakan |
| 118° 06' 29.0" | 5° 51' 21.4" | Boreholes | Sandakan |

| | | | |
|----------------|--------------|--------------------|--------------|
| 118° 06' 12.9" | 5° 51' 27.6" | Boreholes | Sandakan |
| 118° 05' 51.5" | 5° 51' 21.6" | Boreholes | Sandakan |
| 118° 04' 41.3" | 5° 51' 17.0" | Boreholes | Sandakan |
| 118° 03' 45.1" | 5° 49' 58.8" | Boreholes | Sandakan |
| 118° 03' 49.1" | 5° 50' 04.1" | Boreholes | Sandakan |
| 118° 04' 07.6" | 5° 50' 36.7" | Boreholes | Sandakan |
| 118° 04' 14.1" | 5° 50' 45.5" | Pond | Sandakan |
| 118° 04' 19.8" | 5° 50' 57.5" | Boreholes | Sandakan |
| 118° 04' 31.8" | 5° 51' 14.1" | Boreholes | Sandakan |
| 118° 03' 03.6" | 5° 50' 36.5" | Boreholes | Sandakan |
| 118° 03' 01.2" | 5° 50' 24.9" | Pond | Sandakan |
| 118° 02' 41.5" | 5° 50' 13.6" | Boreholes | Sandakan |
| 118° 02' 46.4" | 5° 50' 00.0" | Boreholes | Sandakan |
| 118° 02' 50.8" | 5° 49' 57.9" | Pond | Sandakan |
| 118° 02' 26.5" | 5° 49' 34.2" | Boreholes | Sandakan |
| 118° 02' 24.3" | 5° 49' 20.8" | Boreholes | Sandakan |
| 118° 02' 11.6" | 5° 49' 59.1" | Boreholes | Sandakan |
| 118° 01' 44.8" | 5° 50' 18.7" | Boreholes | Sandakan |
| 118° 01' 56.1" | 5° 49' 39.3" | Boreholes | Sandakan |
| 118° 01' 35.2" | 5° 49' 30.1" | Boreholes | Sandakan |
| 118° 01' 22.4" | 5° 49' 25.5" | Boreholes | Sandakan |
| 118° 01' 19.2" | 5° 48' 53.9" | Boreholes | Sandakan |
| 118° 04' 42.1" | 5° 51' 16.0" | Boreholes | Sandakan |
| 117° 50' 11.3" | 5° 29' 07.2" | Sg. Kinabatangan | Kinabatangan |
| 117° 32' 00" | 5° 53' 00" | Sg. Muanad | Beluran |
| 117° 52' 48.3" | 4° 16' 47.0" | Sg. Tawau | Tawau |
| 117° 53' 52.2" | 4° 21' 00.4" | Sg. Tawau | Tawau |
| 117° 46' 31.7" | 4° 27' 10.0" | Sg. Merotai | Tawau |
| 118° 10' 09.6" | 5° 00' 11.4" | Empangan Sepagaya | Lahad Datu |
| 118° 13' 28.0" | 5° 06' 01.2" | Sg. Segama | Lahad Datu |
| 118° 49' 50.8" | 5° 04' 24.5" | Sg. Tungku | Lahad Datu |
| 118° 14' 34.7" | 4° 28' 52.3" | Sg. Kalumpang | Semporna |
| 118° 11' 04.4" | 4° 35' 10.9" | Sg. Kalumpang | Kunak |
| 116° 08' 48.8" | 5° 22' 39.9" | Sg. Liawan | Keningau |
| 116° 10' 01.6" | 5° 26' 18.0" | Sg. Bayayo | Keningau |
| 116° 20' 04.4" | 5° 41' 49.6" | Sg. Tondulu | Tambunan |
| 115° 56' 06.0" | 5° 06' 58.7" | Sg. Padas | Tenom |
| 115° 55' 01.8" | 4° 53' 38.8" | Sg. Padas | Tenom |
| 116° 25' 59.4" | 5° 02' 01.5" | Sg. Panawan | Pensiangan |
| 116° 18' 12.6" | 5° 08' 38.2" | Sg. Sook | Sook |
| 115° 46' 10.9" | 5° 20' 36.2" | Sg. Padas | Beaufort |
| 115° 34' 37.5" | 5° 06' 31.0" | Sg. Lukutan | Sipitang |
| 115° 48' 04.0" | 5° 28' 19.7" | Sg. Membakut | Membakut |
| 116° 48' 04.4" | 6° 56' 20.5" | Empangan Pinangsoo | Kudat |
| 116° 44' 56.6" | 6° 28' 01.1" | Sg. Bandau | Kota Marudu |
| 116° 44' 54.1" | 6° 27' 57.1" | Sg. Pengapunya | Kota Marudu |
| 117° 01' 50.1" | 6° 40' 45.1" | Sg. Bengkoka | Pitas |
| 116° 26' 05.4" | 6° 21' 31.8" | Sg. Tempasuk | Kota Belud |
| 116° 37' 43.4" | 5° 57' 16.1" | Sg. Liwagu | Ranau |
| 117° 06' 00" | 5° 37' 00" | Sg. Maliau | Telupid |
| 116° 59' 00" | 5° 16' 00" | Sg. Milian | Tongod |
| 116° 50' 00" | 5° 12' 00" | Sg. Melikop | Tongod |

(12) The State of Terengganu

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|--------------|------------------------------|---------------------|
| Longitude | (1) Latitude | (2) | (3) |
| (East) | (North) | | |

| | | | |
|--------------|------------|------------------------------------|------------------|
| 103° 21' 20" | 4° 40' 40" | Loji Air Bukit Bauk | Dungun |
| 103° 20' 18" | 4° 47' 40" | Loji Air Serdang | Dungun |
| 103° 10' 20" | 4° 49' 10" | Loji Air Tepus | Dungun |
| 103° 19' 10" | 4° 13' 00" | Loji Air Bukit Sah | Kemaman |
| 103° 11' 50" | 4° 06' 35" | Loji Air Cherul | Kemaman |
| 103° 03' 50" | 5° 15' 55" | Loji Air Kepong | Kuala Terengganu |
| 103° 05' 40" | 5° 17' 37" | Loji Air Bukit Losong | Kuala Terengganu |
| 103° 00' 35" | 5° 04' 30" | Loji Air Kuala Berang | Hulu Terengganu |
| 103° 02' 45" | 4° 55' 45" | Loji Air Gunung | Hulu Terengganu |
| 102° 58' 05" | 5° 09' 10" | Loji Air Telemong | Hulu Terengganu |
| 103° 12' 15" | 4° 50' 38" | Loji Air Jerangau | Hulu Terengganu |
| 102° 30' 00" | 5° 38' 05" | Loji Air Bukit Bunga (Old and New) | Besut |
| 102° 45' 00" | 5° 05' 00" | Loji Air Pulau Perhentian | Besut |
| 102° 45' 00" | 5° 31' 50" | Sg. Setiu | Setiu |
| 102° 49' 42" | 5° 26' 18" | Sg. Chalok | Setiu |
| 102° 51' 42" | 5° 20' 12" | Sg. Nerus | Setiu |

(13) The State of Negeri Sembilan

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|---------------|------------------------------|----------------------------|
| (1) | (2) | (3) | (3) |
| Longitude | Latitude | | |
| (East) | (North) | | |
| 102° 20' 32" | 2° 34' 06" | Empangan Gemencheh | Gemencheh |
| 102° 34' 18" | 2° 38' 35" | Sg. Muar | Gemas Baru |
| 102° 32' 21" | 2° 38' 23" | Sg. Muar | Pasir Besar |
| 102° 21' 10" | 2° 40' 14" | Sg. Dangi | Dangi Baru |
| 102° 23' 49" | 2° 36' 16" | Telaga Tiub Bukit Rokan | Bukit Rokan |
| 102° 03' 17" | 2° 39' 40" | Sg. Beringin | Pedas Baru |
| 102° 34' 18" | 2° 38' 59" | Empangan Batu Hampar | Pedas Lama |
| 102° 22' 01" | 2° 43' 00" | Sg. Jelai | Felda Kepis |
| 102° 14' 79" | 2° 44' 02" | Sg. Muar | Bukit Pilah |
| 102° 14' 22" | 2° 44' 25" | Sg. Muar | Kuala Pilah |
| 102° 04' 3" | 2° 42' 44" | Sg. Batang Terachi | Ulu Bendul |
| 102° 08' 51.7" | 2° 47' 10" | Empangan Talang/Sg. Muar | Air Talang |
| 102° 24.090' | 2° 44' 24" | Sg. Muar | Kuala Jelai |
| 102° 22' 0.05" | 2° 48' 59" | Sg. Muar | Bahau Baru |
| 102° 22' 24.8" | 2° 47' 59" | Sg. Muar | Jempol |
| 102° 0.1' 26.4" | 2° 48' 14" | Hutan Simpan Berembun | Pantai |
| 101° 55' 04.5" | 2° 56' 06" | Sg. Broga | Broga |
| 101° 59' 43.4" | 2° 45' 31" | Sg. Batang Benar | Terip |
| 101° 00' 14.3" | 2° 45' 33" | Empangan Sg. Terip | Loji Rawatan Air Sg. Terip |
| 102° 14.784' | 2° 44' 25" | Sg. Mahang | Mahang |
| 101° 50.000' | 2° 48' 14" | Sg. Ngoi-Ngoi | Ngoi-Ngoi |
| 102° 56.927 | 2° 36' 12" | Sg. Linggi | Linggi |
| 102° 03' 59" | 02° 56' 13.1" | Sg. Kemin | Kuala Klawang |
| 102° 13' 04.7" | 3° 04' 31" | Sg. Triang | Lakai |
| 102° 06' 40.0" | 3° 04' 02" | Sg. Kenaboi | Felda Titi |
| 102° 13' 36" | 02° 57' 54" | Sg. Pertang | Durian Tawar |

(14) The State of Melaka

| Location of Water Intake | | Name of River/Reservoir/Well | Water Supply Scheme |
|--------------------------|----------|------------------------------|---------------------|
| (1) | (2) | (3) | (3) |
| Longitude | Latitude | | |

| (East) | (North) | | |
|--------------|------------|-------------------------|--|
| 102° 15' 50" | 2° 17' 55" | Sg. Melaka | Jasin, Melaka Tengah and Alor Gajah |
| 102° 18' 40" | 2° 20' 00" | Empangan Durian Tunggal | Melaka Tengah, Alor Gajah and Jasin |
| 102° 15' 50" | 2° 17' 55" | Sg. Melaka | Melaka Tengah, Alor Gajah and Jasin |
| 102° 15' 25" | 2° 24' 35" | Sg. Batang Melaka | Alor Gajah, Masjid Tanah and Lubuk Cina |
| 102° 29' 12" | 2° 16' 00" | Sg. Kesang | Jasin |
| 102° 28' 15" | 2° 11' 50" | Sg. Kesang | Jasin and Merlimau |
| 102° 22' 15" | 2° 26' 35" | Empangan Jus | Alor Gajah, Masjid Tanah and Lubuk Cina |
| 102° 35' 16" | 2° 24' 23" | Empangan Asahan | Asahan, Simpang. Bekoh, Nyalas and Bukit Senggeh |
| 102° 45' 02" | 2° 12' 10" | Sg. Muar | Melaka Tengah, Alor Gajah and Jasin |

FOURTH SCHEDULE

(Regulation 9)

METHODS OF ANALYSIS OF SEWAGE

1. The 21st edition of "Standard Methods for the Examination of Water and Wastewater" published jointly by the American Public Health Association, the American Water Works Association and the Water Environment Federation of the United States of America; or
2. "Code of Federal Regulations, Chapter 40, Subchapter D, part 136" published by the Office of the Federal Register, National Archives and Records Administration, United States of America.

FIFTH SCHEDULE

(Regulation 10)

MONTHLY SEWAGE DISCHARGE MONITORING REPORT

SECTION I

IDENTIFICATION

1. (i) Name and address of premises:

.....

Telephone number: Fax number:

(ii) File reference number of Department of Environment (if applicable):

.....

2. (i) Name and address of accredited analytical laboratory:

.....
 Telephone number: Fax number:

(ii) Name of analyst:

3. (i) Reporting year :

(ii) Reporting month:

SECTION II

SEWAGE INFORMATION*

4. (i) Flowrate

Maximum:..... m3/d, Minimum: m3/d

(ii) Population equivalent (P.E.):

(iii) Quality of sewage discharged

Quality of sewage discharged (unit in mg/L) for new sewage treatment systems

| Parameter | First Week | Second Week | Third Week | Fourth Week |
|---|------------|-------------|------------|-------------|
| | Date:..... | Date:..... | Date:..... | Date:..... |
| BOD at 20°C | | | | |
| COD | | | | |
| Suspended Solids | | | | |
| Oil and Grease | | | | |
| Ammoniacal Nitrogen (enclosed water body) | | | | |
| Ammoniacal Nitrogen (river) | | | | |
| Nitrate - Nitrogen (river) | | | | |
| Nitrate - Nitrogen (enclosed water body) | | | | |
| Phosphorous (enclosed water body) | | | | |

Quality of sewage discharged (unit in mg/L) for existing sewage treatment systems

| Parameter | First Week | Second Week | Third Week | Fourth Week |
|-----------|------------|-------------|------------|-------------|
|-----------|------------|-------------|------------|-------------|

| | Date:..... | Date:..... | Date:..... | Date:..... |
|------------------|------------|------------|------------|------------|
| BOD at 20°C | | | | |
| COD | | | | |
| Suspended Solids | | | | |
| Oil and Grease | | | | |

NOTE:*

(a) The flowrate and concentration of sewage at the point of discharge as determined in accordance with the sampling procedure and method of analysis as specified in regulation 9.

(b) Sewage treatment systems with less than 5000 population equivalent (P.E.) shall conduct sampling once a month only.

SECTION III

DECLARATION

I,hereby declare that all information given in this form is to the best of my knowledge and belief true and correct.

Signature of responsible person:

.....

Name:

Designation:

Date:

(Affix official seal or stamp of company)

SIXTH SCHEDULE

(Regulation 11)

SPECIFICATIONS OF POINT OF DISCHARGE OF SEWAGE

1. The discharge point is located within the boundary of the sewage treatment system, immediately after its the final unit operation or unit process.
2. The location of the discharge point is easily accessible and does not pose any safety hazards to personnel performing site inspection or sewage sampling.

3. The leachate is discharged through a pipe, conduit or channel to facilitate sewage sampling.
4. The discharge point is physically identified by installing a metal identification sign which reads "Final Discharge Point".
5. The discharge point and its surrounding is properly maintained to be free from any obstruction that may pose difficulty or hazards during site inspection or sewage sampling.

SEVENTH SCHEDULE

(Regulation 24)

METHOD OF COMPUTING SEWAGE-RELATED LICENCE FEE

1. For existing sewage treatment systems, the sewage-related licence fee is computed as follows:

| Parameter | Fee per kg of contaminant discharged into inland waters as specified in subparagraphs 5(1)(a), (c) or (e) | Fee per kg of contaminant discharged onto any soil or into other inland waters |
|---------------------|---|--|
| (i) at BOD 20°C | RM0.50 | RM0.05 |
| (ii) Oil and Grease | RM2500.00 | RM250.00 |

2. For new sewage treatment system, the sewage-related licence fee is computed as follows:

| Parameter | Fee per kg of contaminant discharged into inland waters specified in subparagraphs 5(1)(a), (c) or (e) | Fee per kg of contaminant discharged onto any soil or into other inland waters |
|---------------------------|--|--|
| (i) at BOD 20°C | RM0.50 | RM0.05 |
| (ii) Oil and Grease | RM2500.00 | RM250.00 |
| (iii) Ammoniacal Nitrogen | RM500.00 | RM50.00 |