

**SENARAI SEMAK KEBENARAN MERANCANG  
AGENCI PERAKUAN PEMBENTUNGAN (IWK)**

| <b>BIL</b> | <b>PERKARA-PERKARA YANG DISEMAK SELARAS<br/>KEPERLUAN JABATAN/ AGENSI</b>  | <b>ADA/ TIADA</b> | <b>CATATAN</b>                     |
|------------|--|-------------------|------------------------------------|
| 1.         | Borang WSIA/PDC/1 dan senarai semak PDC1a yang dilengkapkan. – 3 salinan   |                   | IWK – 1 salinan<br>MPL – 2 salinan |
| 2.         | Pelan susunatur pembentungan (bersaiz A1) yang mengandungi pelan kunci dan pelan lokasi. – 4 salinan   |                   | IWK – 2 salinan<br>MPL – 2 salinan |
| 3.         | Pengiraan PE untuk keseluruhan pembangunan <150 PE. – 3 salinan  |                   | IWK – 1 salinan<br>MPL – 2 salinan |
| 4.         | Laporan Kejuruteraan Pembentungan untuk pembangunan ≥ 150 PE. – 4 salinan  |                   | IWK – 2 salinan<br>MPL – 2 salinan |
| 5.         | Laporan Strategi Kawasan Tadahan Pembentungan bagi skim pembangunan atau loji berpusat kekal. – 4 salinan                                    |                   | IWK – 2 salinan<br>MPL – 2 salinan |
| 6.         | Tandatangan pemilik pada setiap pelan cadangan dan tandatangan pihak Perunding/ Arkitek/ Perancang Bertauliah pada setiap dokumen dan pelan. |                   |                                    |

**SEWERAGE SERVICES ACT 1993  
SEWERAGE SYSTEMS AND SEPTIC TANKS**

**APPLICATION FOR SEWERAGE PLANNING APPROVAL**

Date :

To : The Director General of Sewerage Services

I/We (the undersigned) \_\_\_\_\_

hereby apply for Sewerage Planning Approval to undertake the following sewerage works:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

and submit the following particulars (see reverse of form):

**Details of Land**

Address of site or premises:

\_\_\_\_\_

\_\_\_\_\_

Lot No. of land occupied by sewerage works : \_\_\_\_\_

Area of land occupied by sewerage works:

a) Sewage Treatment Plant \_\_\_\_\_ hectares

b) Network Pumping Station \_\_\_\_\_ hectares

**Details of Population Equivalent (PE)**

| TYPE                 | TOTAL PE | REMARKS |
|----------------------|----------|---------|
| RESIDENTIAL          |          |         |
| COMMERCIAL           |          |         |
| INSTITUTIONAL        |          |         |
| INDUSTRIAL           |          |         |
| OTHERS               |          |         |
| TOTAL DEVELOPMENT PE |          |         |

Address and Lot Nos of any other land affected by the sewerage works:

---

---

---

\_\_\_\_\_  
Signature of Owner

Name of Owner (in block letters) :  
I.C. No. :  
Address :

Telephone No. :  
Fax No. :

**Declaration by Qualified Person**

I hereby certify that the details in the plans and engineering report are in accordance to the 'Guidelines for Developers', the MS1228 'Code of Practice for Design and Installation of Sewerage Systems', and other regulatory agencies requirements.

\_\_\_\_\_  
Signature of Qualified Person

Name of Qualified Person (in block letters) :  
I.C. No. :  
Address :

Telephone No. :  
Fax No. :  
Qualification and Registration particulars:

\_\_\_\_\_  
**FOR OFFICIAL USE ONLY**

Date received : \_\_\_\_\_ Checked By : \_\_\_\_\_

Date replied : \_\_\_\_\_ Ref No. : \_\_\_\_\_

**DECLARATION FOR SEWERAGE WORKS PLANNING APPROVAL**

SSD Regional Office: Alor Setar

Date:

File No. :

Project Title :

License Land Surveyor :

Address :

Telephone/ Fax :

Lot No/ PT :

Mukim/ Village/ Town :

District :

State :

Land Title No :

Area of STPs/ NPS :

Land Status Of STP :

Developer :

Consultant :

Proposed Treatment System :

Development Type :

Population Equivalent (PE) :

Catchment :

**Declaration by Qualified Person**

I hereby certify that the details in the plans and engineering report are in accordance to the 'Guidelines for Developers', the MS1228 'Code of Practice for Design and Installation of Sewerage Systems', and other regulatory agencies requirements.

Date:

\_\_\_\_\_  
Signature of Qualified Person

Name :

\_\_\_\_\_  
Signature of Owner

Name of Owner (in block letters) :  
I.C. No. :  
Address :

Telephone No. :  
Fax No. :

**Declaration by Qualified Person**

I hereby certify that the details in the plans and engineering report are in accordance to the 'Guidelines for Developers', the MS1228 'Code of Practice for Design and Installation of Sewerage Systems', and other regulatory agencies requirements.

\_\_\_\_\_  
Signature of Qualified Person

Name of Qualified Person (in block letters) :  
I.C. No. :  
Address :

Telephone No. :  
Fax No. :  
Qualification and Registration particulars:

\_\_\_\_\_  
**FOR OFFICIAL USE ONLY**

Date received : \_\_\_\_\_ Checked By : \_\_\_\_\_

Date replied : \_\_\_\_\_ Ref No. : \_\_\_\_\_

## Form PDC 1a

## Checklist for Sewerage Works Planning Approval

| File No: |  | Sewerage Works:          |                          | Submitted Proposal | Date:<br>Reviewer's Comments |
|----------|--|--------------------------|--------------------------|--------------------|------------------------------|
|          |  | OK                       | NC                       |                    |                              |
| 1.0      | Submission documents   |                          |                          |                    |                              |
| 1.1      | Form SSA/PDC/1 for planning application  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 1.2      | Catchment strategy report<br><i>(for permanent STP/schemed development)</i>  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 1.3      | Engineering report<br><i>(for development &gt; 150 PE)</i>   | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 1.4      | Land details<br><i>Land title (type), lot no. district/mukim,<br/>Land area of project (under Form PDC/1)</i>  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 2.0      | Submission plans   |                          |                          |                    |                              |
| 2.1      | Layout plan of whole development<br><i>For development &lt; 150 PE:</i>  |                          |                          |                    |                              |
| 2.1.1    | <i>A plan showing how each house is to be connected with any existing or proposed sewer.</i>   | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 2.1.2    | <i>The position and course of all surface water channels or drains.</i>  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 2.1.3    | <i>The names of streets adjoining the premises and the scale of the plan.</i>  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 2.2      | Key Plan and Location plan<br><i>Location plan shall be clear, showing identifiable adjacent areas, main roads and other landmarks. Project area to be colored in red.</i> | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 2.3      | Effluent discharge point<br><i>Location of the effluent receiving stream.</i>  | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |
| 3.0      | Special submission requirements  |                          |                          |                    |                              |
| 3.1      | Development > 50 hectares<br><i>A Development Environmental Impact Assessment (EIA) has to be approved by DOE.</i>   | <input type="checkbox"/> | <input type="checkbox"/> |                    |                              |

| File No: | Sewerage Works:   |    | Submitted Proposal       | Date:<br>Reviewer's Comments |
|----------|---|----|--------------------------|------------------------------|
|          | OK  | NC |                          |                              |
| 4.0      | <b>Plans Format</b>   |    |                          |                              |
| 4.1      | <b>Paper size</b><br><i>All plans to be submitted to the DGSS should be prepared on normal sizes of paper A1 or A2, and should have a title block approved by the approving authority. All plans shall be folded to A4 size. All documents to be in A4.</i> |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 4.2      | <b>Format details</b><br><i>Format details shall include the following:</i>   |    |                          |                              |
| 4.2.1    | <i>Plans shall show the north point, date and bear the signature of the Developer/Owner, and Consulting Engineer/Architect/Planner</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 4.2.2    | <i>Notes &amp; abbreviations used shall be shown in footnotes.</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 4.2.3    | <i>The title block shall be positioned at the bottom right-hand corner bearing the title of the development, drawing title, name and address of the Developer/Owner and the Qualified Person.</i>   |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 4.2.4    | <i>A space shall be reserved in the top right hand corner for SSD approval chop.</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 5.0      | <b>Layout plan</b>  |    |                          |                              |
| 5.1      | <b>Lot boundary and numbers</b><br><i>The boundary shall be demarcated on the drawing.</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 5.2      | <b>Ground levels of housing lots &amp; roads</b><br><i>All data specified shall be according to the Survey Ordinance</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 5.3      | <b>Reticulation &amp; utilities details</b><br><i>Details shall include the following:</i>  |    |                          |                              |
| 5.3.1    | <i>Drainage systems, water supply lines, streets or other structures and as far as can be established.</i>  |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 5.3.2    | <i>The location &amp; depth of utilities that will affect or be affected by the proposed sewerage systems. Also their invert levels and sizes must be stated.</i>   |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 5.3.3    | <i>The sewer reticulation must also be shown on the same plan to show sewer locations relative to these structures.</i>   |    | <input type="checkbox"/> | <input type="checkbox"/>     |
| 6.0      | <b>Engineering report</b>   |    |                          |                              |
| 6.1      | <b>Land information</b><br><i>Information shall include the following:</i>  |    |                          |                              |
| 6.1.1    | <i>Land lot number &amp; site location.</i>   |    | <input type="checkbox"/> | <input type="checkbox"/>     |

| File No: | Sewerage Works:  | Submitted Proposal       |                          | Date: | Reviewer's Comments |
|----------|--|--------------------------|--------------------------|-------|---------------------|
|          |  | OK                       | NC                       |       |                     |
| 6.1.2    | Land area (hectare) & topography of project area   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.1.3    | Topography of surrounding neighbouring lots. Specify any existing STPs or network. Include details of all sewerage systems in use or proposed in the adjacent areas  | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.1.4    | Water bodies (drains/rivers) that pass through project area, including the name and class of the receiving water   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.1.5    | Existing land use of project and adjacent areas, description of future land use of adjacent area, if such information is available   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.1.6    | Information on ground water levels and use of ground water adjacent to project area.   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.2      | <b>Project description</b><br>A description of the project proposal shall include:   |                          |                          |       |                     |
| 6.2.1    | Type of development, various types of houses/buildings and their numbers.  | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.2.2    | An outline on the derivation of the wastewater generation from the proposed project based on criteria in MS1228 and Guidelines for Developers Vol. 3 & 4   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3      | <b>Sewerage proposal</b><br>The sewerage proposal shall include  |                          |                          |       |                     |
| 6.3.1    | A brief description of the proposal. For permanent STPs, identify and evaluate all sewerage options, including NPV and non-cost factors and provide a brief description of the preferred or selected option. | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.2    | An outline description of the proposed sewerage network. Show PE breakdown and calculation.  | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.3    | An outline of the reasons for the selection of the proposed sites for construction of any pumping stations.  | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.4    | The proposal for connection to the public sewer shall include a study on the capacity of the existing sewer and the STP.   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.5    | The report must bear the signature of the Engineer preparing the design as well as the report.   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.6    | The report must bear a suitable title, date, names of owner & consultants and have a proper cover & binding.   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |
| 6.3.7    | The siting criteria, land area & buffer zone requirement for the proposed STP shall be based on per Guidelines for Developers Vol. IV.   | <input type="checkbox"/> | <input type="checkbox"/> |       |                     |