



Sar Alam Indah Sdn. Bhd

Wastewater Management Solutions Specialist



Who we are

Wastewater management solutions specialist for the operation & maintenance of Matang Septic Sludge Treatment Plant.

Working closely with DBKU, MBKS, MPP and MP Kota Samarahan to safely treat and dispose of septic sludge for Kuching, Padawan and Kota Samarahan.



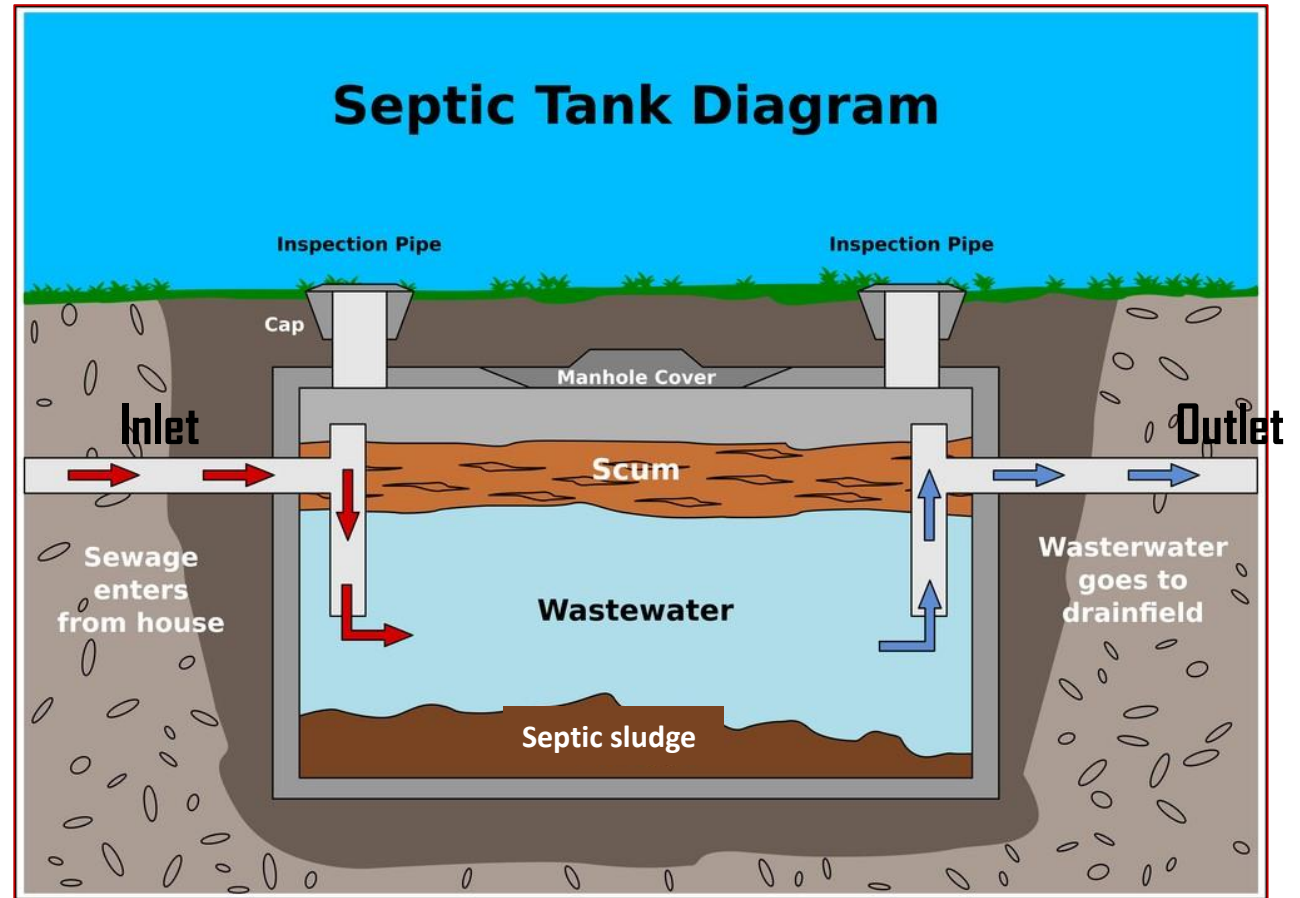
What is Septic Sludge?

Waste from
the Toilet

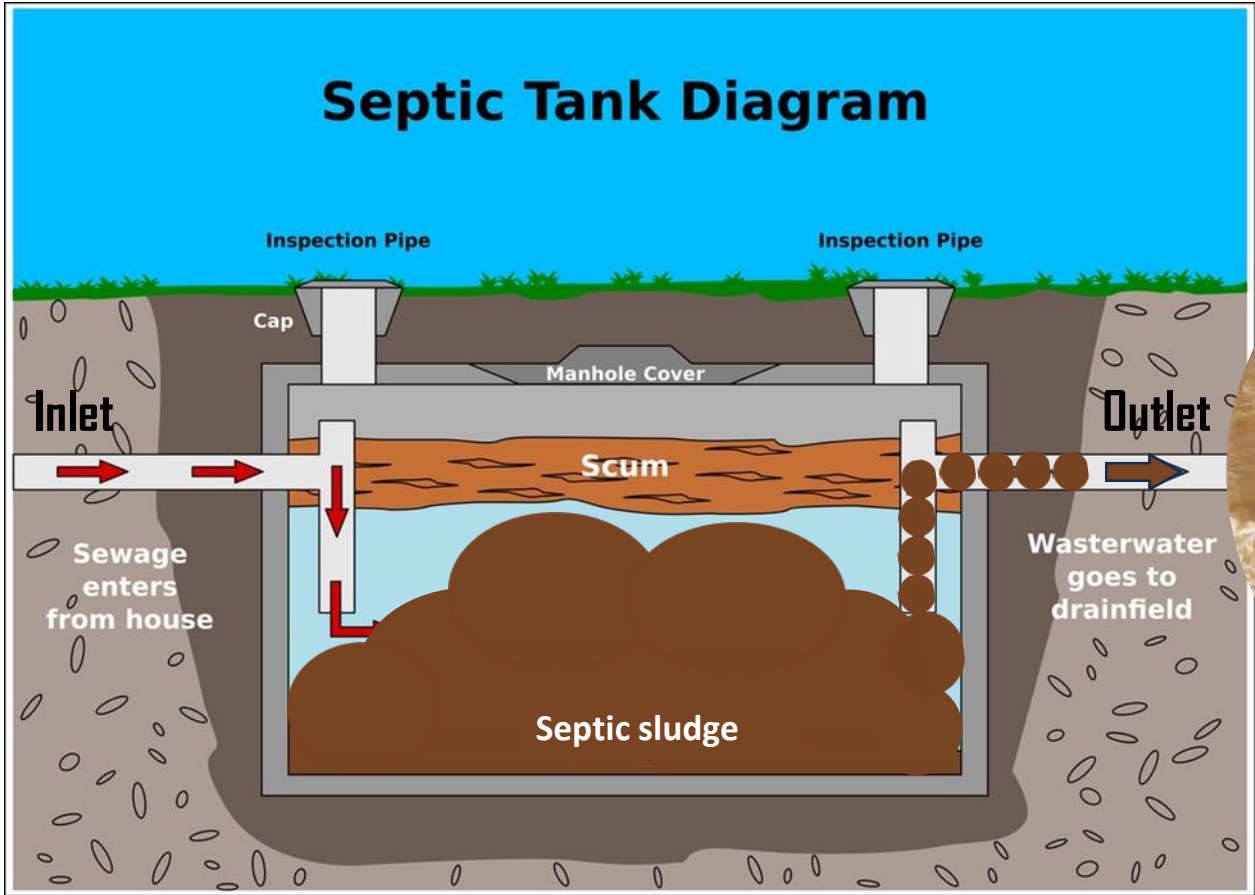


Septic Tank

Outlet



Importance of Desludging



Water pollution



Swk. L.G. 52

**THE LOCAL AUTHORITIES (COMPULSORY DESLUDGING
OF SEPTIC TANKS) BY-LAWS, 1998**

DATE OF COMMENCEMENT

In exercise of the powers conferred by by-law 1(2) of the Local Authorities (Compulsory Desludging of Septic Tanks) By-laws, 1998 [Swk. L.G. 35/98], the Yang di-Pertua Negeri has appointed the 1st day of April, 2002, as the date on which those By-laws shall come into force in the areas under the jurisdiction of the Commission of the City of Kuching North, the Council of the City of Kuching South and the Padawan Municipal Council.

Dated this 13th day of November, 2002.

By Command,

DATUK PATINGGI TAN SRI (DR) HAJI ABDUL TAIB MAHMUD,
Chief Minister

Swk. L.G. 53

THE LOCAL AUTHORITIES ORDINANCE, 1996

**THE LOCAL AUTHORITIES (COMPULSORY DESLUDGING OF SEPTIC TANKS)
(AMENDMENT) BY-LAWS, 2002**

(Made under sections 93 and 105(a)(i))

Pursuant to section 105(a)(i) of the Local Authorities Ordinance, 1996 [Cap. 20], and in exercise of the powers conferred upon the Yang di-Pertua Negeri by section 93 of that Ordinance, the following By-laws have been made:

Citation and commencement

1. These By-laws may be cited as the **Local Authorities (Compulsory Desludging of Septic Tanks) (Amendment) By-laws, 2002**, and shall be deemed to have come into force on the 1st day of September, 2002.

Amendment of by-law 2

2. By-law 2 of the Local Authorities (Compulsory Desludging of Septic Tanks) By-laws, 1998 (in these By-laws referred to as the "Principal By-laws") is amended by adding at the end of the definition of "septic tank" the words "and includes any mechanised plant or other similar plant for the treatment of sewage".

Amendment of by-law 3

3. By-law 3 of the Principal By-laws is amended by substituting paragraph (1) with the following new paragraph:

"3.—(1) (a) A local authority shall cause septic tanks in rateable holdings within its area of jurisdiction to be properly cleared, cleansed and emptied at the frequencies stated hereunder:

| <i>Category of rateable holding</i> | <i>Frequency</i> |
|--|------------------|
| (a) Residential, including government staff quarters | Once in 4 years |
| (b) Commercial, including commercial complexes | Once in 2 years |
| (c) Government buildings, schools and premises used for religious purposes | Once a year |
| (d) Hotels, hostels, lodging houses and industrial properties | Once in 6 months |

(b) The period stipulated above shall be reckoned from the date of the issue of occupation permit by the local authority for the rateable holding or from the date of the last desludging, whichever is the later."

Amendment of by-law 5

4. By-law 5 of the Principal By-laws is amended by adding immediately after the word "shall" in line two of paragraph (1) the words "maintain the septic tank in good working order at all times".

Made this 13th day of November, 2002,

By Command,

DATUK PATINGGI TAN SRI (DR) HAJI ABDUL TAIB MAHMUD,
Chief Minister

Swk. L.G. 54

THE ROAD TRANSPORT ACT 1987

**THE ROAD TRANSPORT (SPEED LIMIT)
(MIRI MUNICIPAL COUNCIL) (AMENDMENT OF SCHEDULE) ORDER, 2002**

(Made under section 69(2))

In exercise of the powers conferred by section 69(2) of the Road Transport Act 1987 [Act 333], the Miri Municipal Council, being declared an appropriate

The Local Authorities (Compulsory Desludging of Septic Tanks) (Amendment) By-Laws, 2002



**The Local
Authorities
(Compulsory
Desludging of Septic
Tanks) (Amendment)
By-Laws, 2002**



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(b) The period stipulated above shall be reckoned from the date of the issue of occupation permit by the local authority for the rateable holding or from the date of the last desludging, whichever is the later.”



Desludging Hotline

Dewan Bandaraya Kuching Utara (DBKU)

082-512 200



Majlis Perbandaran Padawan (MPP)

082-615 566 extension 138



Majlis Bandaraya Kuching Selatan (MBKS)

- **082-354 200 extension 6235**
- **i-People Apps**
- **Talikhidmat**



Majlis Perbandaran Kota Samarahan (MPKS)

- **013-856 1116 (SMS)**
- **082-669 000**



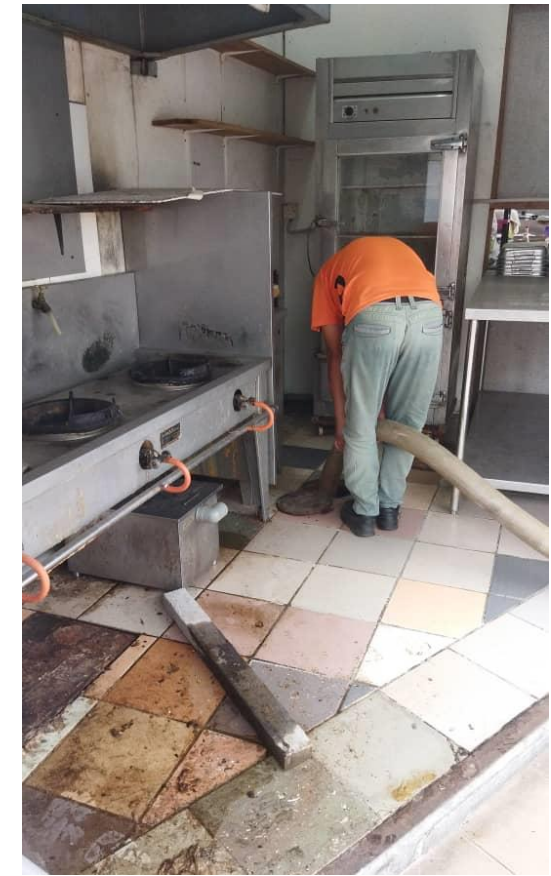
Desludging in Progress

Septic tanks are usually located right at the lavatories or within the premise.



Desludging in Progress

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Importance of Desludging

- Septic tanks are an **effective on-site treatment facility for households**.
- Septic tanks must be desludged on a regular basis to function properly.
- This is stipulated in the Local Authorities (Compulsory Desludging of Septic Tanks) By-Laws, 1998.
- Undesludged septic tanks will increase the risks of our water resources being polluted by untreated septic sludge.



Importance of Desludging

Inadequate desludging of septic tanks results in:

Overflowing septic tanks



Pest



Importance of Desludging

Inadequate desludging of septic tanks results in:

Blockage by foreign material



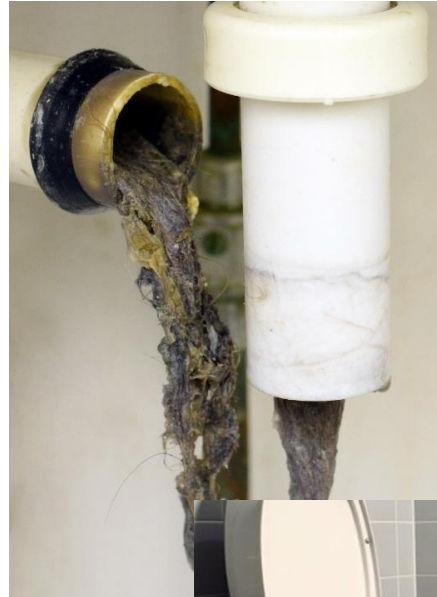
Polluted Waterways



Importance of Desludging

If desludging is not carried out regularly, then these are the effects to the premise.

- Clogging
- Backflow
- Unpleasant smell
- Water and soil pollution
- Disease outbreak



Things That Will Affect The Performance Of The Septic Tank

DO NOT FLUSH THESE DOWN YOUR TOILET!!



Medicine



Wet Tissue Towels



Kitchen Towels



Used Cooking Oil & Grease



Diapers (Baby & Adult)



Sanitary Napkins



Facial Cotton



Condoms

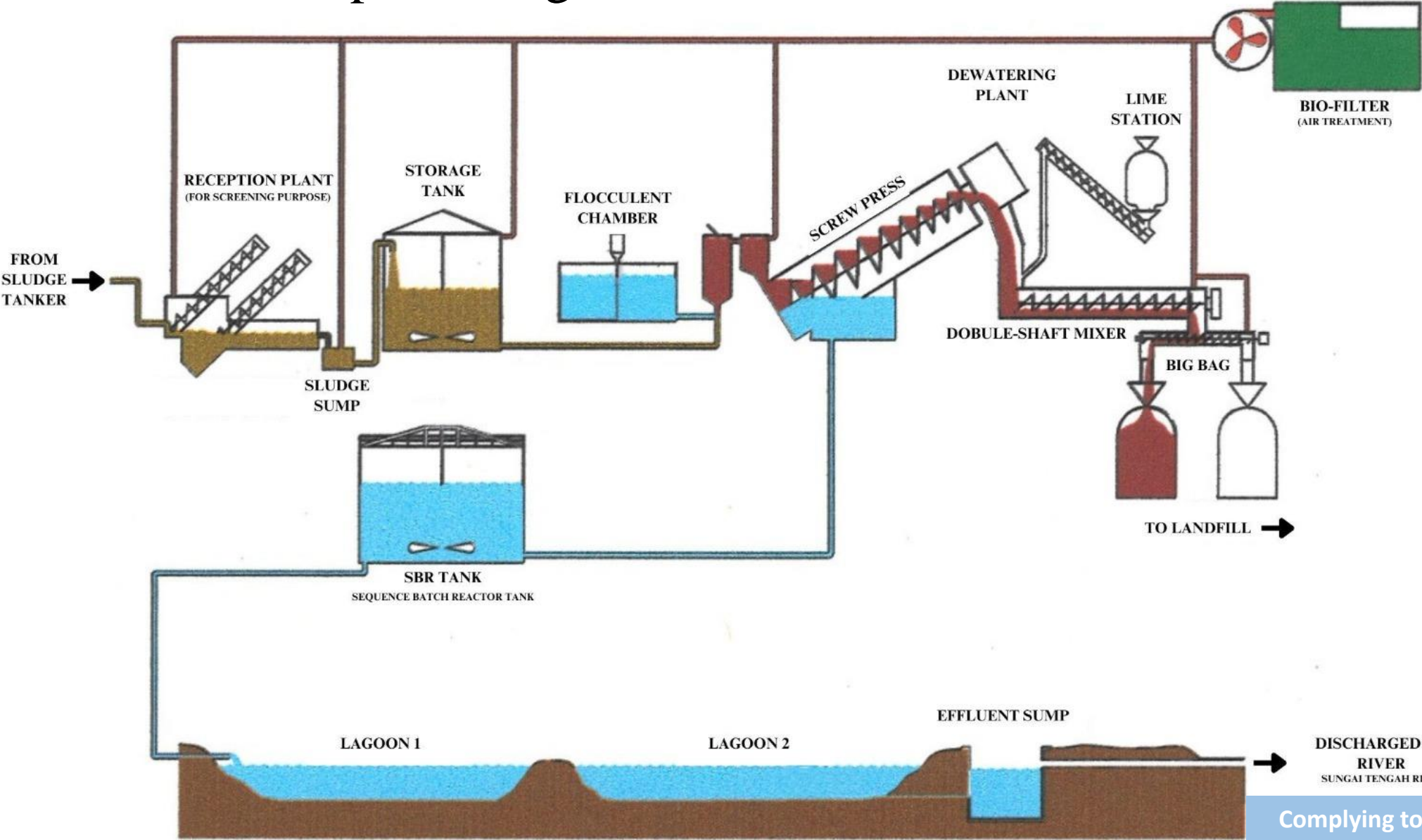


Cigarette Butts



Paint

Septic Sludge Treatment Plant Flow Chart



Complying to Standard B of Environmental Quality (Sewage) Regulations 2009

Untreated Septic Sludge vs Treated Water



Untreated septic sludge



Treated Water complying to **Standard B** of Environmental Quality (Sewage) Regulations 2009

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**THANK
YOU**

**THE
EARTH
IS WHAT WE ALL
HAVE IN COMMON**

WENDELL BERRY

The environment and the economy are really both two sides of the same coin. If we cannot sustain the environment, we cannot sustain ourselves.
- Wangari Maathai

If environmental protection efforts continue to lag behind economic growth, pollution will become even more rampant.
Zhou Shengxian

We learned that economic growth and environmental protection can and should go hand in hand.
Christopher Dodd