

## Chemical researchers need the urban population to separate their wastewater to simplify further processing and investigation.

### P.O.V STATEMENT

#### STAKEHOLDER

Urban Citizens  
Sewage Plants  
Chemical Engineers  
and Researchers

#### INDUSTRY SECTOR

Wastewater  
Chemical Industry



<https://pixabay.com/de/der-test-beh%C3%A4lter-urin-urin-1006795/>

#### SIGNIFICANCE OF ISSUE

Resources are becoming scarce. Therefore, reuse of resources is becoming more and more attractive. Wastewater can be used as a resource, since it contains many resources like organic matter, phosphorus, nitrogen, heavy metals, thermal energy, etc.

A lot of chemicals included in wastewater could be used for further processing but The merging of wastewater from all sources to one single stream makes it hard to separate the substances.

Urine for example is a rich source of nitrogen, phosphorus and potassium which are substances with good fertilizing properties.

#### SOURCES

<https://www.sciencedirect.com/science/article/pii/S0921344916301227>

<https://www.welt.de/wissenschaft/article4526088/Tomaten-duengt-man-am-besten-mit-Urin.html>

[http://www.who.int/water\\_sanitation\\_health/resourcesquality/wpcchap4.pdf](http://www.who.int/water_sanitation_health/resourcesquality/wpcchap4.pdf)