

# Chromium Pollution in the Ganges River

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## Problem



The tanning industry generates a large amount of carcinogenic chromium (VI) waste that is not properly treated.

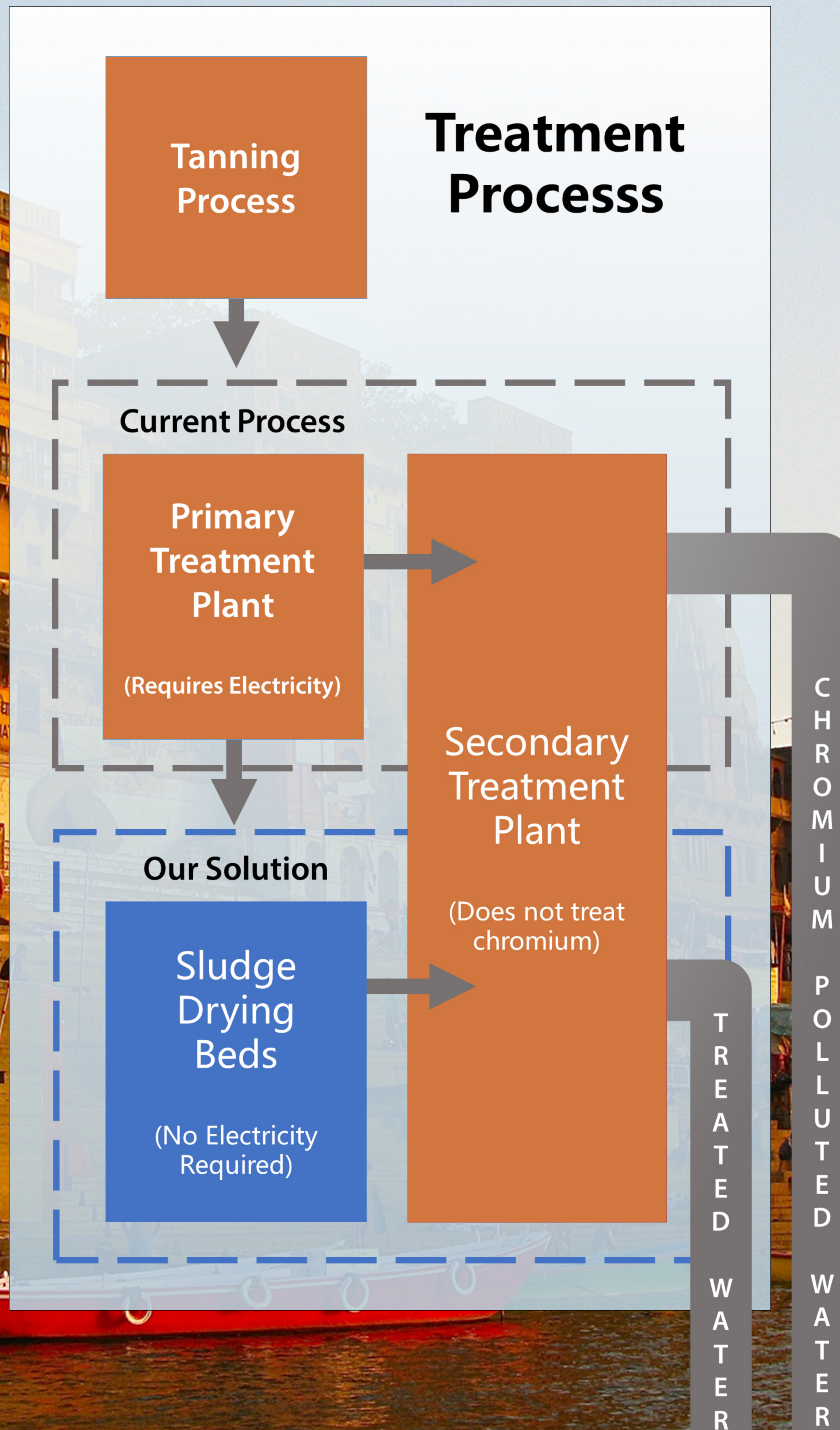


A tanner living with skin problems due to the harmful effects of chromium.

Image Sources & References

<http://pulitzercenter.org/sites/pulitzercenter.org/files/01-19-14/kanpur-leather-pollution02.jpg>  
[https://commons.wikimedia.org/wiki/File:Ahilya\\_Ghat\\_by\\_the\\_Ganges,\\_Varanasi.jpg](https://commons.wikimedia.org/wiki/File:Ahilya_Ghat_by_the_Ganges,_Varanasi.jpg)  
<http://pulitzercenter.org/sites/pulitzercenter.org/files/01-20-14/kanpur-leather-pollution24.jpg>  
[https://leatherpanel.org/sites/default/files/publications-attachments/introduction\\_to\\_treatment\\_of\\_tannery\\_effluents.pdf](https://leatherpanel.org/sites/default/files/publications-attachments/introduction_to_treatment_of_tannery_effluents.pdf)

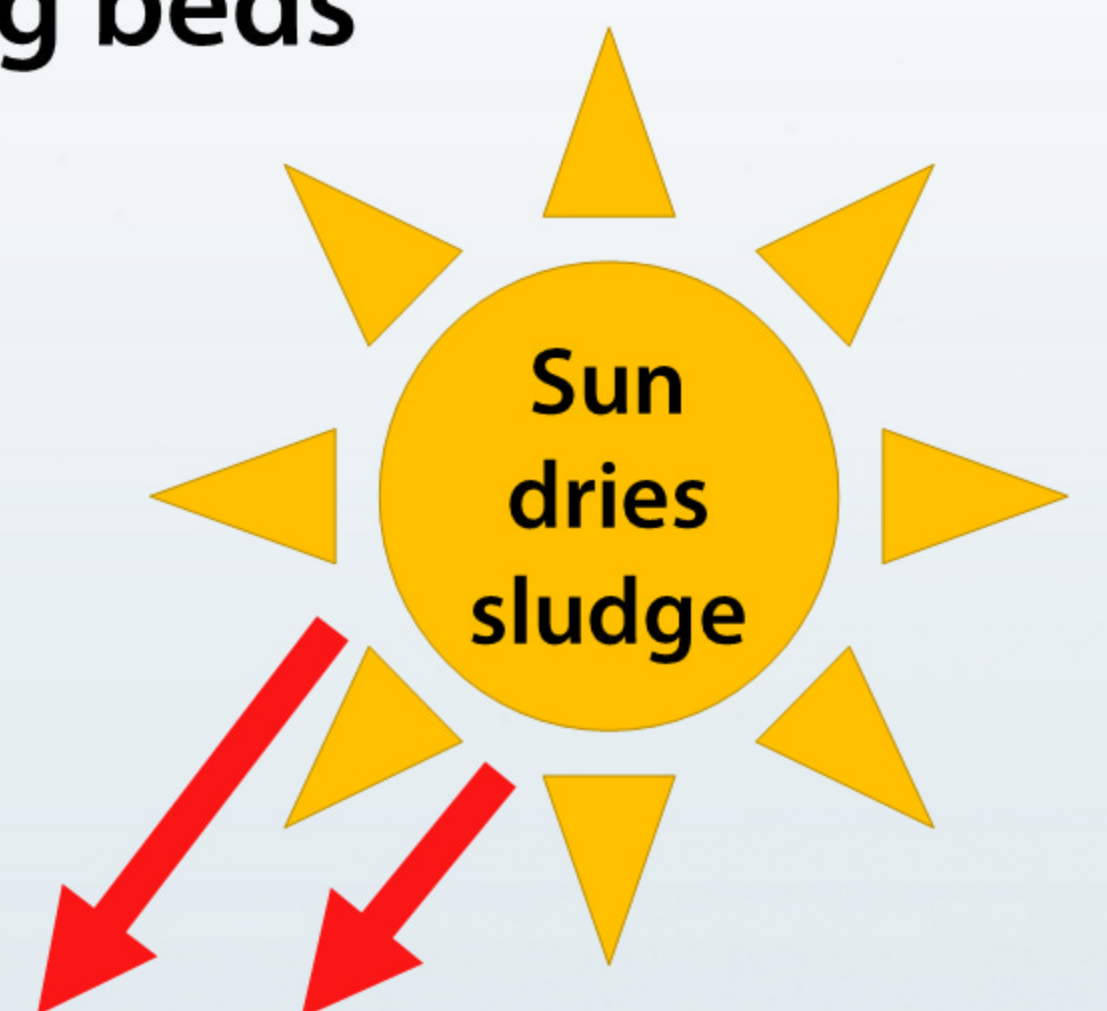
## Treatment Process



## Our Solution

Sludge drying beds

Water in from tanning process



Water out to secondary treatment plant

- Layers of material filter the chromium and other toxins from the water

## Implementation

Share our findings with the UN to facilitate the implementation of our solution.

- Clean water
- Health Improvements
- Increased revenue

- Skin Disease
- Cancer
- Environmental Damage