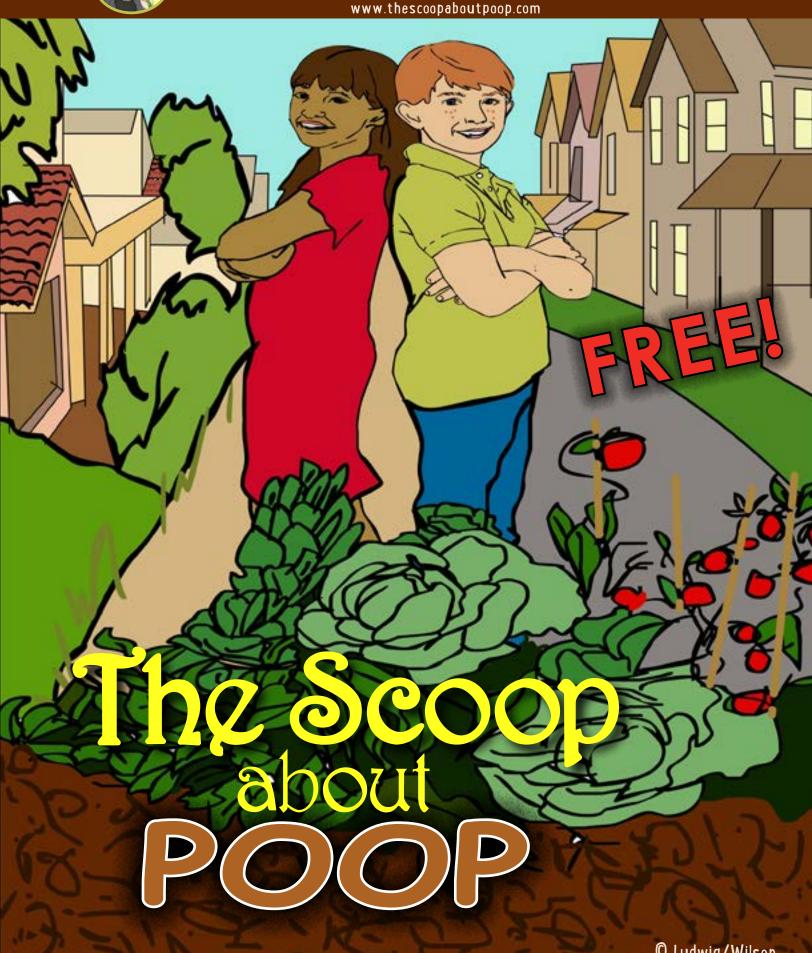


An Uncle Sandy Publication www.thescoopaboutpoop.com



© Ludwig/Wilson

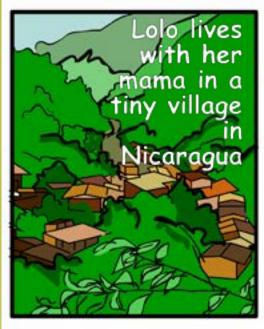
This is Lolo and she is holding in her hands a simple solution to one of the world's biggest problems. She and Andy, miles apart, are both about to discover...

The Scoop about POOP



Written by Meredith Ludwig. Illustrated by Denali Wilson. Sandy's portrait and composting toilet photo by Al Levenson. Layout by Dan Feather. Composting toilet plans by James Bailey. Spanish translation by Mayra Valtierrez. Many thanks to Christine Eber, Leith Patton, and Joseph Jenkins.

Contact us: info@thescoopaboutpoop.com













































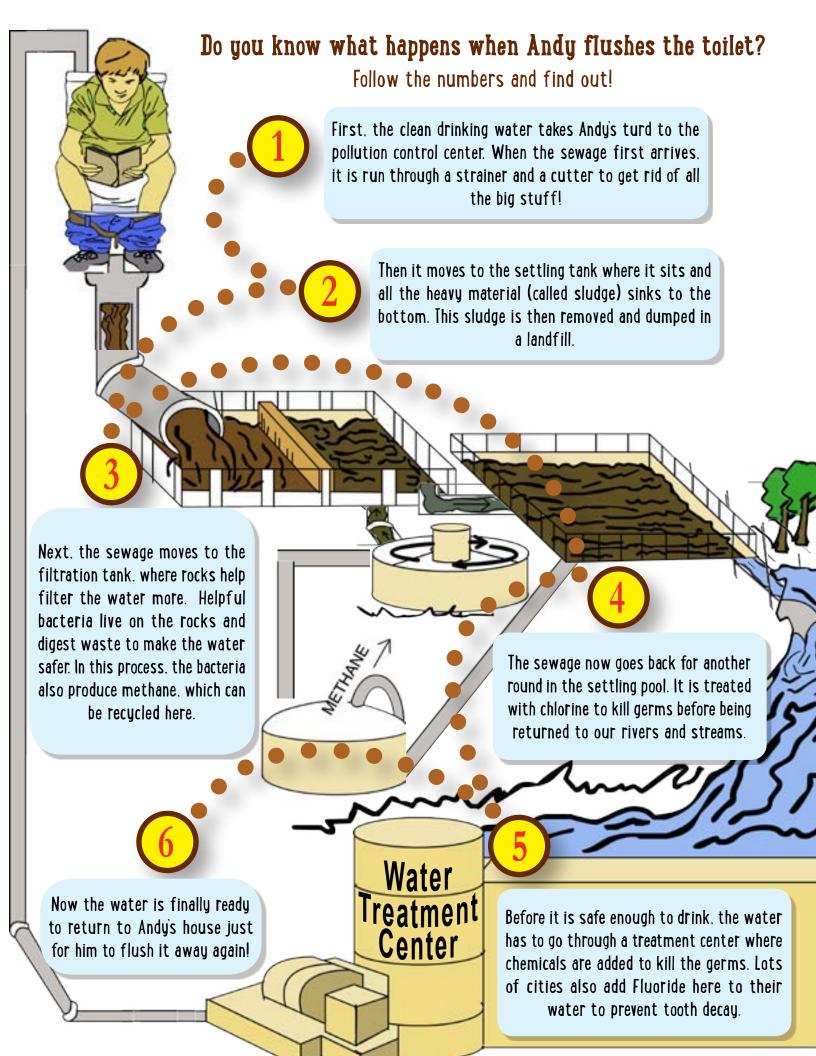


































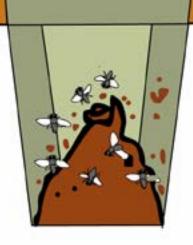


Six out of ten people in the world do not poop in their water, but they still poop somewhere!

How many flies can you find in this picture?



Did you know pee is almost sterile? You can mix one part pee and ten parts water to make an excellent fertilizer, but most of us humans just piss it away!













In their teacher's backyard, the students broke up the ground and laid a thick bed of leaves and weeds on top of the ground in preparation for the composting experiment.





















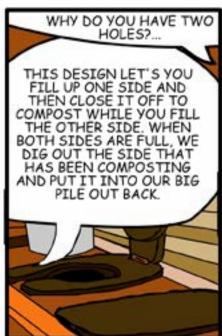




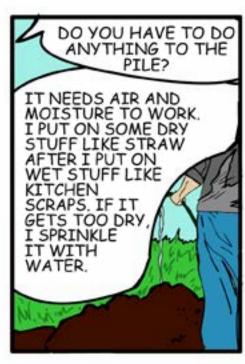


















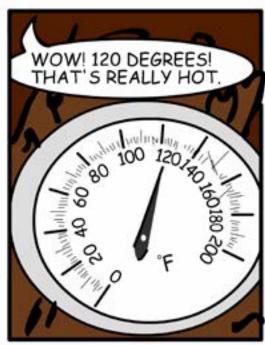










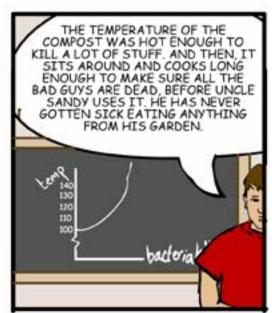




















On the next page you'll find the design I used for building the composting toilet at my house. There are many designs to chose from, some as simple as the toilet that Lolo's class used. What follows is a list of books, videos, and websites, so you can learn the many ways people are safely creating great compost from their daily deposits.



Uncle Sandys Composting Outhouse

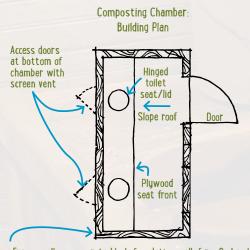


The beauty—and simplicity of the two-chamber outhouse design is the use of time: two separated concrete or stone boxes below the outhouse. Once the first chamber is full, which takes about a year, users start filling the 2nd chamber, which fills up over the next year. At this point we dig out the now 2-year-old compost from chamber #1, and begin again. Microbial action has digested this two-year-old compost to the point where it no longer has any trace of poop left; it is all dark rich soil. I know from having dug out my own two-chamber composter—at my home—several times.

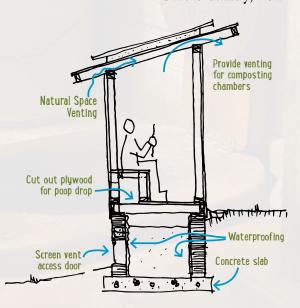
This can be done (see drawings) in a way that is good enough to maintain an attractive composting toilet. Of course there are issues: mainly matters of location, maintenance, and legality. Remember that every toilet needs some maintenance. All toilet spaces need to be clean. The difference is that the two-chamber system takes a dry flush, and a digout once a year.

You can get more information in some of the "Resources" provided here. I wish you all the best as you learn how to make the most of your poop.

— Uncle Sandy, 2012



- · Frame walls on concrete block foundation wall; form 2 chambers
- · Set on poured concrete slab
- · Waterproof interior walls of chamber



Composting Chamber: Building Section

Want to learn more?

Visit this book's website at: www.tbescoopaboutpoop.com

Books

The Humanure Handbook: a Guide to Composting Human Manure, by Joseph Jenkins In its 3rd printing, this award-winning, self-published, comprehensive book answers all your doubts, fears, and how-to questions. The book is available at the website www.humanurehandbook.com (free download available).

Read the Humanure Handbook free online: bumanurebandbook.com/contents.btml

The Big Necessity: The Unmentionable World of Human Waste and Why it Matters, by Rose George, Metropolitan Books, 2008

Comprehensive overview of global sanitation and the lack of it.

Organizations

www.peepoople.com Creators and distributors of a one-use sanitizing biodegradable toilet bag.www.sostenica.org Building sustainable housing with dual-chamber composting toilets in Nicaragua.

Articles

Black Gold, by Rachel Lindsay - Includes images of composting toilets in Nicaragua including one that is generating methane and fueling a stovetop. www.SustainableNicaFarming.wordpress/2012/11

Humanure Sanitation Paper:

bumanurehandbook.com/downloads/bumanure_sanitation_paper.pdf

Public Sanitation Using Hot Composting:

bumanurehandbook.com/downloads/Cornell_Humanure_10_2013.pdf

 ${\it Make your own humanure toilet: } {\it humanure handbook.com/bumanure_toilet.html}$

The International Compost Sanitation Forum and Message Board

Home Page: www.jenkinspublishing.com/messages/

Build a serious compost bin system: bumanurehandbook.com/bacienda.html

Videos, Etc.

National Geographic's short film on composting toilets in an urban business setting. www.youtube.com/watch?v=wNMs9oiPuvo

Compost Sanitation, Presentation by Joseph Jenkins at the Dry Toilet Conference, Finland 2012

Humanure Handbook Videos: humanurehandbook.com/videos.html

 $Photos\ of\ humanure\ toilets: \textit{humanurehandbook.com/album_toilets/album_toilets.html}$

The Scoop about Poop

Introduction and Dedication

UMANS AND ANIMALS make a lot of poop and pee all over the world. If not handled with care, it can cause pollution, disease, and death. When it is properly composted, the pollution can be controlled, harmful bacteria destroyed, and lives saved. The end result is our gift to the earth.

THIS COMIC BOOK was created with childlike curiosity in the hope that it will help put aside our disdain and disgust as we confront the act we all do, and pay the least attention to.

ANDY HEPLER AND I were going to write this comic book together, as we both appreciate compost of all kinds. But his time for leaving came just as we were getting started. Before his death he made sure his friends knew that he wanted to have the ultimate compost experience. He had us bury him in his beloved orchard where he could feed his trees, unencumbered by coffins or vaults. Through the years he was a tireless champion for the betterment of health and nutrition in places where the need was great. This comic book would not have happened without his friendship, encouragement, and funding.

