THE

HUMANURE HANDBOOK

FOURTH EDITION

SHIT IN A NUTSHELL by Joseph C. Jenkins

ISBN-13: 978-0-9644258-8-0 Library of Congress Control Number: 2019901069

Copyright 2019 by Joseph C. Jenkins Fourth Printing November 2022

All Rights Reserved. Printed in the USA.

Also by Joseph C. Jenkins:

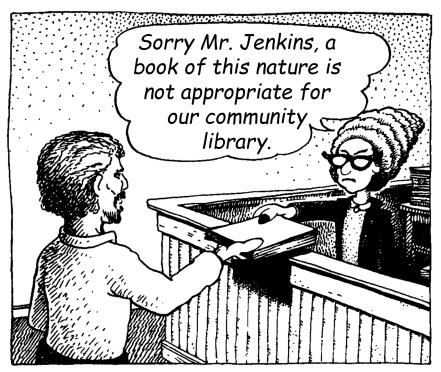
The Compost Toilet Handbook (2021)
The Slate Roof Bible (2016)
The Balance Point (2018)
Self Publishing Top Ten Tips (2022)

Portions of this book may be copied and distributed without permission if (a) the information is not changed, (b) the publishing source is credited and (c) the distribution is not for profit. If you are using a compost toilet and are having a problem with any authority, we will donate, free of charge, a copy of *The Humanure Handbook*, fourth edition, to any legitimate government authority, no questions asked — just send us your request.

Published by Joseph Jenkins, Inc. 143 Forest Lane, Grove City, PA 16127 USA Phone: 814-786-9085 • Web site at josephjenkins.com

Please address all retail and wholesale book orders to our distributor:

Chelsea Green Publishing, PO Box 428, White River Junction, VT 05001 Toll free: 800-639-4099 or 802-295-6300



Actual quote from a city librarian in Arizona.

HumanureHandbook.com

Special thanks to the composters of the world, especially to those who are working worldwide to help people without toilets learn how to make compost. I'm grateful to Samuel (Autran Dourado) Souza and Alisa Puga Keesey for having the fortitude, courage, and strength to establish humanure compost projects on several continents that I was able to review, document, and participate in. Thanks also to Patricia Arquette for having the wisdom to create a foundation (GiveLove.org) that helps people to learn about composting as a sanitation alternative.

Cover design by Kelsey Brown and Elena Reznikova, DTPerfect.com.

Proofreading: Eileen M. Clawson

Printed in the USA on 100% postconsumer FSC certified recycled paper. Most of the cartoon artwork is by Tom Griffin, Mercer, Pennsylvania. Photos are by the author unless otherwise indicated.

All reasonable precautions have been taken by the author, Joseph C. Jenkins, and by Joseph Jenkins Inc. to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall Joseph C. Jenkins or Joseph Jenkins Inc. be liable for damages arising from its use.

The Humanure Handbook - Fourth Edition

TABLE OF CONTENTS

Introduction	
1 — Close Encounters of the Turd Kind 5	
2 — The Invisible Beings9	
3 — Microbes – Friend or Foe?	
4 — The War on Microbes	
5 — Thermophiles	
6 — Deep Shit	
7 — A Day in the Life of a Turd	
8 — Compost	
9 — Compost Nuts and Bolts	
10 — Compost Miracles	3
11 — Compost Myths)
12 — Compost Toilets and Dry Toilets)
13 — Worms and Disease)
14 — The Tao of Compost	,
15 — Bum Rap)
Temperature Conversions	3
Glossary	4
References	7
Index	5