

For more information:
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visit Zender project website:
<http://zendergroup.org/cedp.html>



Akiachak Native Community



Project: Sewage Haul Tank Service
Grant Award: \$23,080.00



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Project Objective:

To purchase of an enclosed vacuum sewage tank that will replace the current "bucket waste drop-in" hopper transport carts that spill human waste on to the road in the village, which is also used regularly as walkways for community members and play area for the children.

Results:

- Purchase of "spill proof" sewage transport tank from a local Alaskan Company. (**Increase community infrastructure capacity**)
- No human waste spillage on roadways during transport from "honeybucket hoppers" to sewage lagoon. (**Improved Public Health**)
- Two Sewage Operators trained on new equipment. (**Workforce capacity development**)
- Public outreach to properly dispose of household human waste into hopper. (**Community education and outreach**)

Benefits:

Many communities are trying to find solutions to transport and disposal challenges of honeybuckets. Water and sewer project will not eliminate 100% of the honeybuckets in even in any officially "served" community. With a vacuum tank, the wastes are confined, and don't leak or spill onto the ground in transport. Discarding the waste is done by hose, versus tipping a full 100 gal hopper into the lagoon, which results in substantial waste spillage and splashing. Methods that will reduce health risks due to the exposure of human waste need to be explored; a small but significant reduction can result if this project is successful.

Lessons Learned:

- Important to buy equipment from vendors who will train operators.
- Need to educate households what they can and cannot put in honey bucket hoppers, so vacuum system doesn't get clogged and break down.
- Still need to find ways to continue operations during winter.

Akiachak Sewage Tank Project



Tank delivered and stored in Akiachak



Tim of Co-water, Inc. arrives to train operators.



Classroom Time!



Hands-on instruction.



Practice with "grey" water.



Using new tank, for safer transport of human waste.