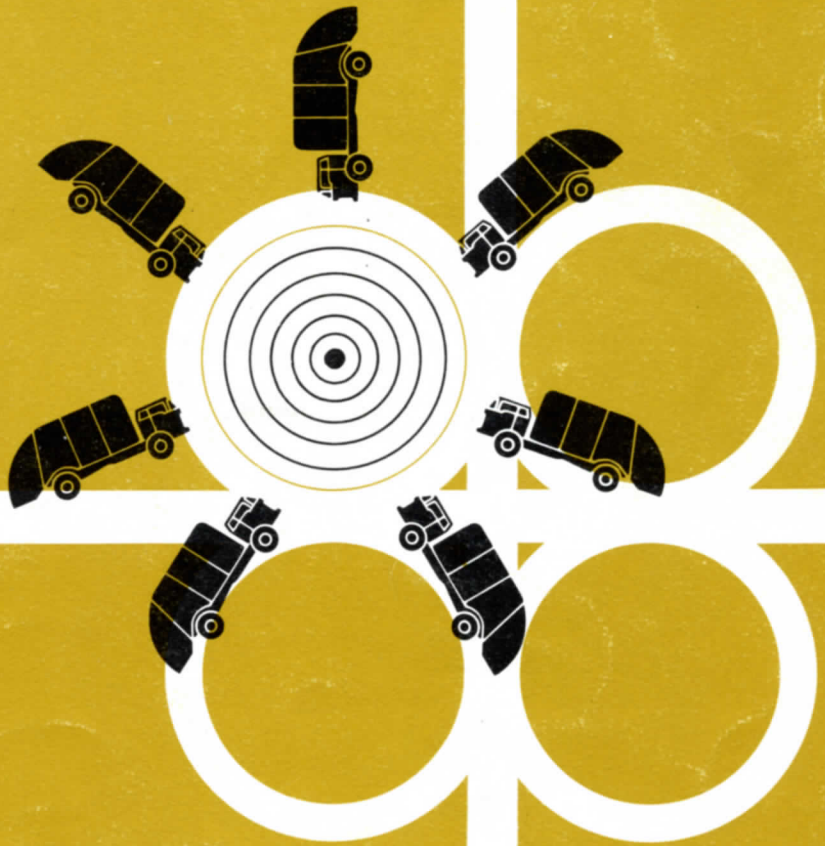


THE LEACH **CENTRALIZED** **COLLECTION & DISPOSAL SYSTEM**



ANOTHER

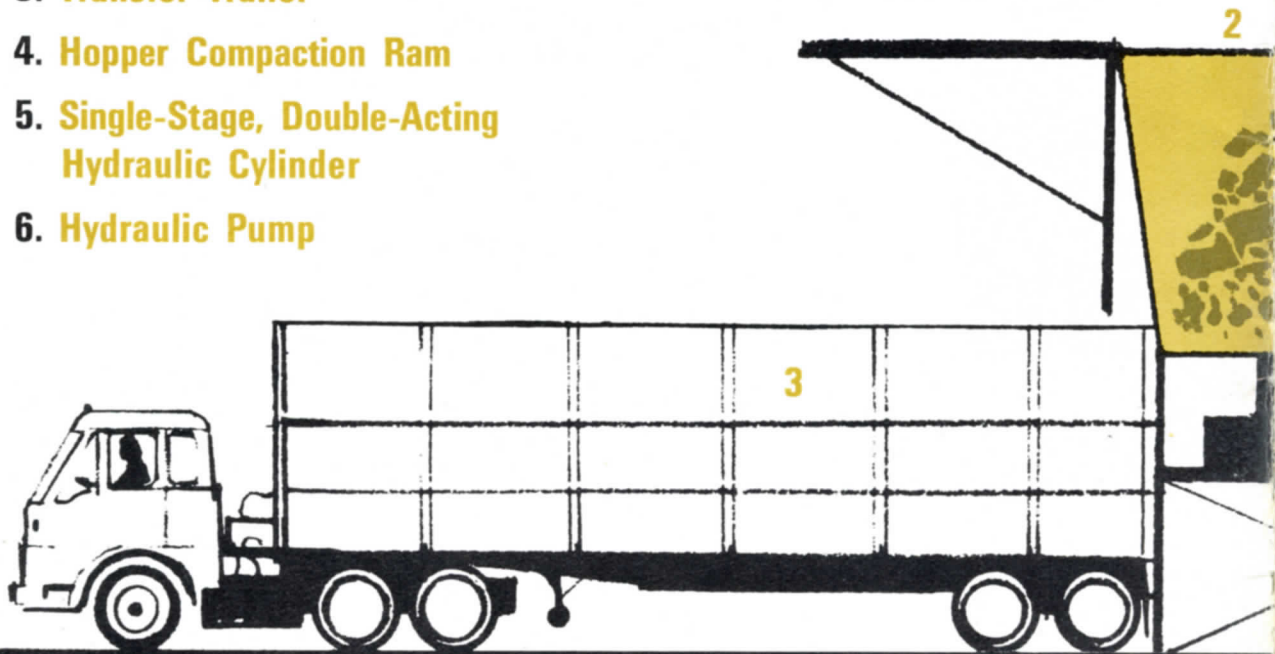
SYSTEM IN SANITATION

FROM



THE LEACH **CENTRALIZED** **COLLECTION SYSTEM**

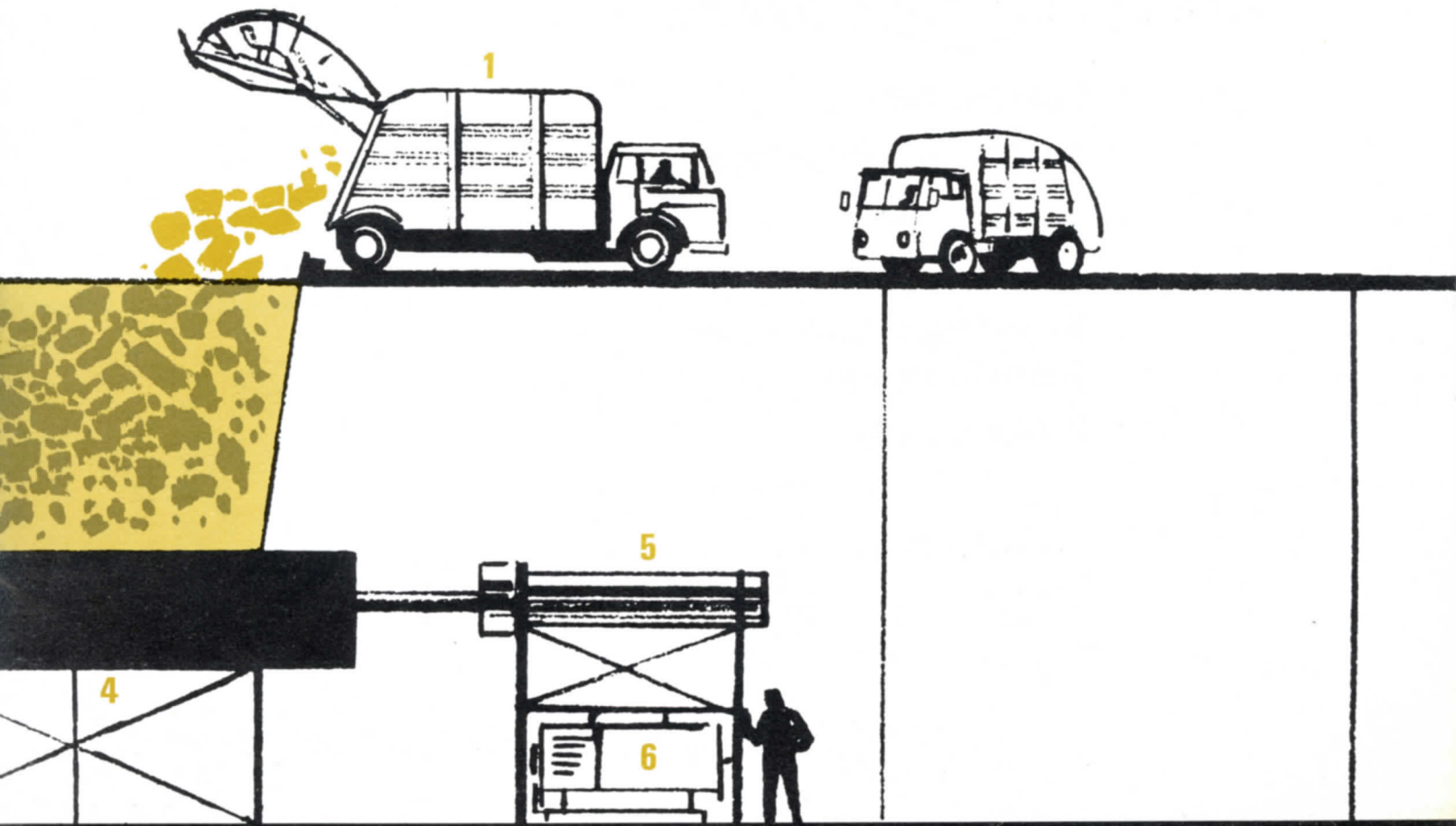
1. **Collection Unit**
2. **Transfer Compaction Hopper**
3. **Transfer Trailer**
4. **Hopper Compaction Ram**
5. **Single-Stage, Double-Acting Hydraulic Cylinder**
6. **Hydraulic Pump**



COLLECTION UNITS VS TRANSFER TRAILER UNIT, THIS IS THE PROBLEM...

In refuse collection and disposal practices, "Travel-Time" is wasted time. As cities become larger, refuse disposal areas move farther and farther away. Collection units, if they travel more than a certain distance, reach a point of diminishing returns.** Beyond this distance, it is more economical to employ the larger Transfer Trailer unit, thus reducing travel time to and from disposal site to a minimum. Diagram on right clearly illustrates this concept.

** Under actual conditions, in a metropolitan area, it was accurately determined that when a Collection unit traveled more than 5 to 8 miles to a disposal site, it was more economical to establish a Transfer Station. In other words, in heavily populated areas, the most economical method of refuse disposal is to install centralized Collection Stations so that Collection vehicles stay within a 5-mile radius.



A
 6 ROUND TRIPS
 180 MILES
 2 HOURS PER ROUND TRIP
 12 HOURS



B
 1 ROUND TRIP
 30 MILES
 2 HOURS PER ROUND TRIP
 2 HOURS

THE 5 BASIC COMPONENTS OF

THE LEACH CENTRALIZED COLLECTION SYSTEM

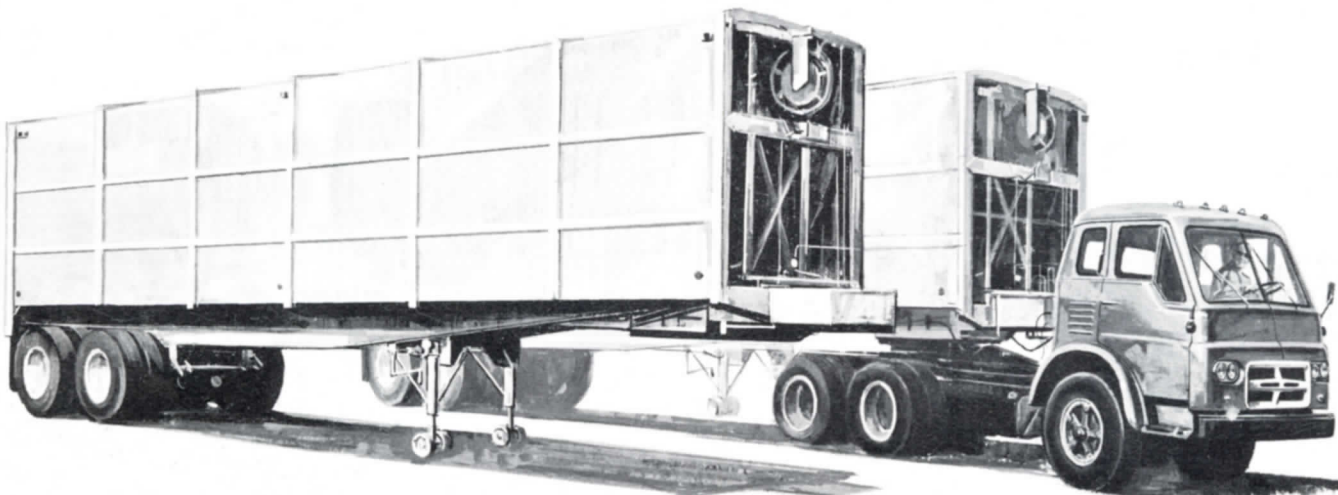
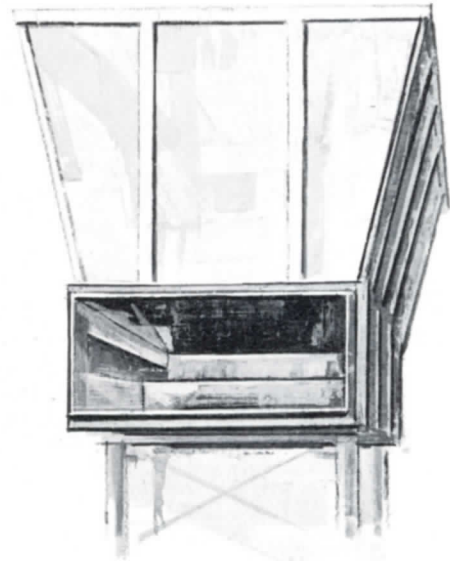
1 30-YARD HOPPER . . . or "dual-hopper" system . . . to meet your particular needs.

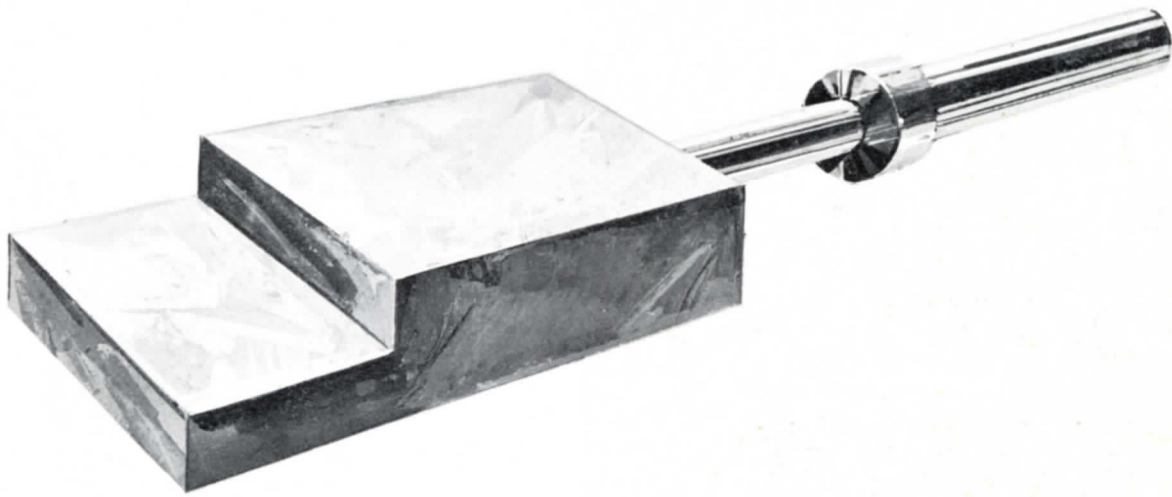
2 POWER COMPACTION UNIT. Rugged, powerful . . . consists of single-stage, double-acting hydraulic cylinder and Compaction-Ram which pushes load from hopper into trailer. Includes pumps, motors, and control valves.

3 COMPACTION TRAILER. Built to conform to your particular local conditions and allowable gross vehicle weights. Trailer is multiple-axle, heavily reinforced all-steel construction.

4 TRACTOR UNIT. Any Standard Tractor available from manufacturer of your choice. Size dependent upon customer's specific requirements.

5 COLLECTION UNIT — LEACH PACKMASTER®.
Note: System, of course, will work with any type of Collection Unit: enclosed body, open body, or any type of trash truck. However, for greatest efficiency and lowest cost, the LEACH PACKMASTER is recommended as the Collection Unit best suited for this system.





2



4

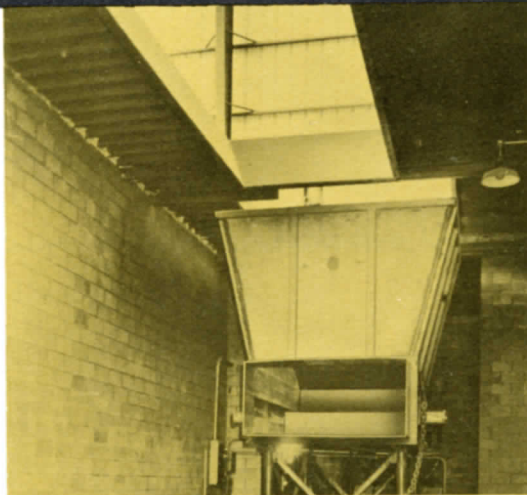


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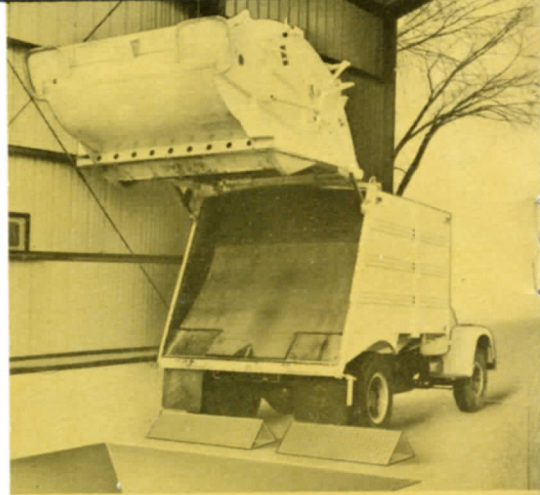
THE LEACH SYSTEM OF CENTRALIZED



Compaction Trailer in position to receive refuse from above level. Note: In this particular installation, low cost, bi-level steel-and-concrete block structure, approximately 40' x 60', has been installed for all-weather use of system.



Front view of Hopper and Power Compaction unit.



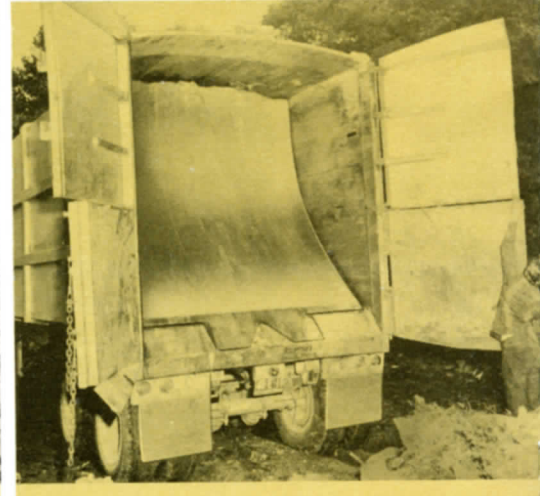
Top-side view of LEACH PACKMASTER collection unit dumping into Hopper on lower level.



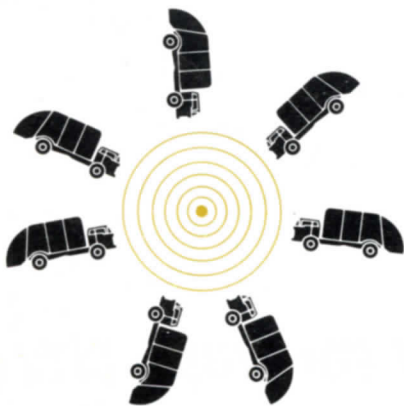
Rear view of Trailer showing it nearly loaded. Very important . . . loads from Hopper are built up in circular motion along inside top of trailer . . . to front . . . then around to rear, thus filling all voids.



Push-out of load from trailer at disposal site is done quickly and efficiently in minutes.



Trailer Push-Out Plate in fully extended position.



WHY A CENTRALIZED SYSTEM OF REFUSE COLLECTION? There are several reasons . . . as cities grow, the solid waste disposal problem grows with them and at an ever increasing rate. To get rid of collected refuse, you either bury it, or burn it. In the case of burning (incineration), you still must bury the unburnables and other residue.

Also, another part of the problem, disposal sites are being pushed farther and farther into outlying areas . . . the cost to run Collection units to them becomes almost prohibitive.

The answer: Provide a system which combines Collection units with large Transfer Trailer units. Next, organize the Collection Plan, so that Collection units work to and from a Central Point . . . or Transfer Station.

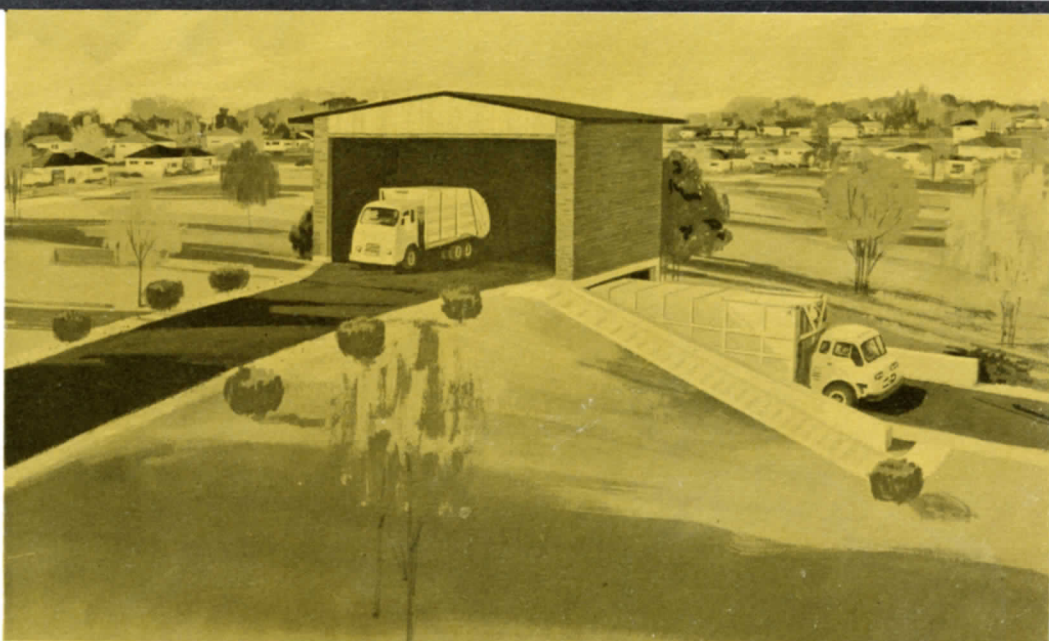
COLLECTION AND DISPOSAL...*IN ACTION*

WILMETTE, ILLINOIS

Typical of a LEACH CENTRALIZED STATION is this up-to-the-minute installation at Wilmette, Illinois, one of the nation's most progressive suburban communities.

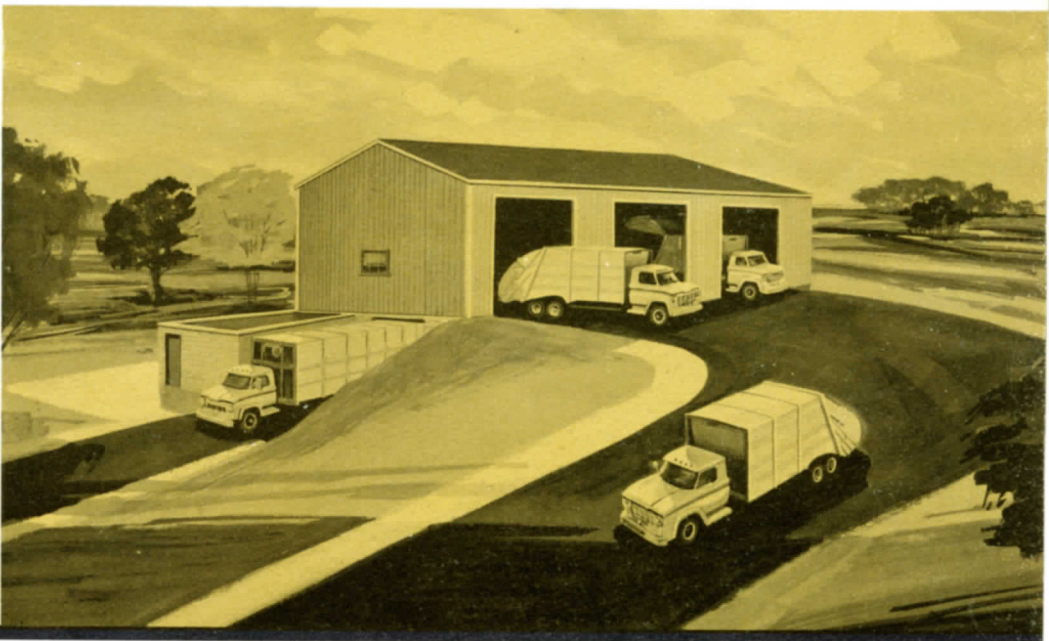
A particular highlight of this station is its attractive colonial red brick building designed to coordinate with Wilmette's other municipal buildings.

Such considerations have enabled Wilmette to erect its station just adjacent to residential and recreational areas.



LINCOLN PARK, MICHIGAN

Another LEACH station recently completed is this one in Lincoln Park, Michigan. This station, too, is an attractively built structure located adjacent to the city's municipal garage facilities. Lincoln Park, like many other fine cities, selected the LEACH system to reduce the mounting trend in refuse collection and disposal costs.



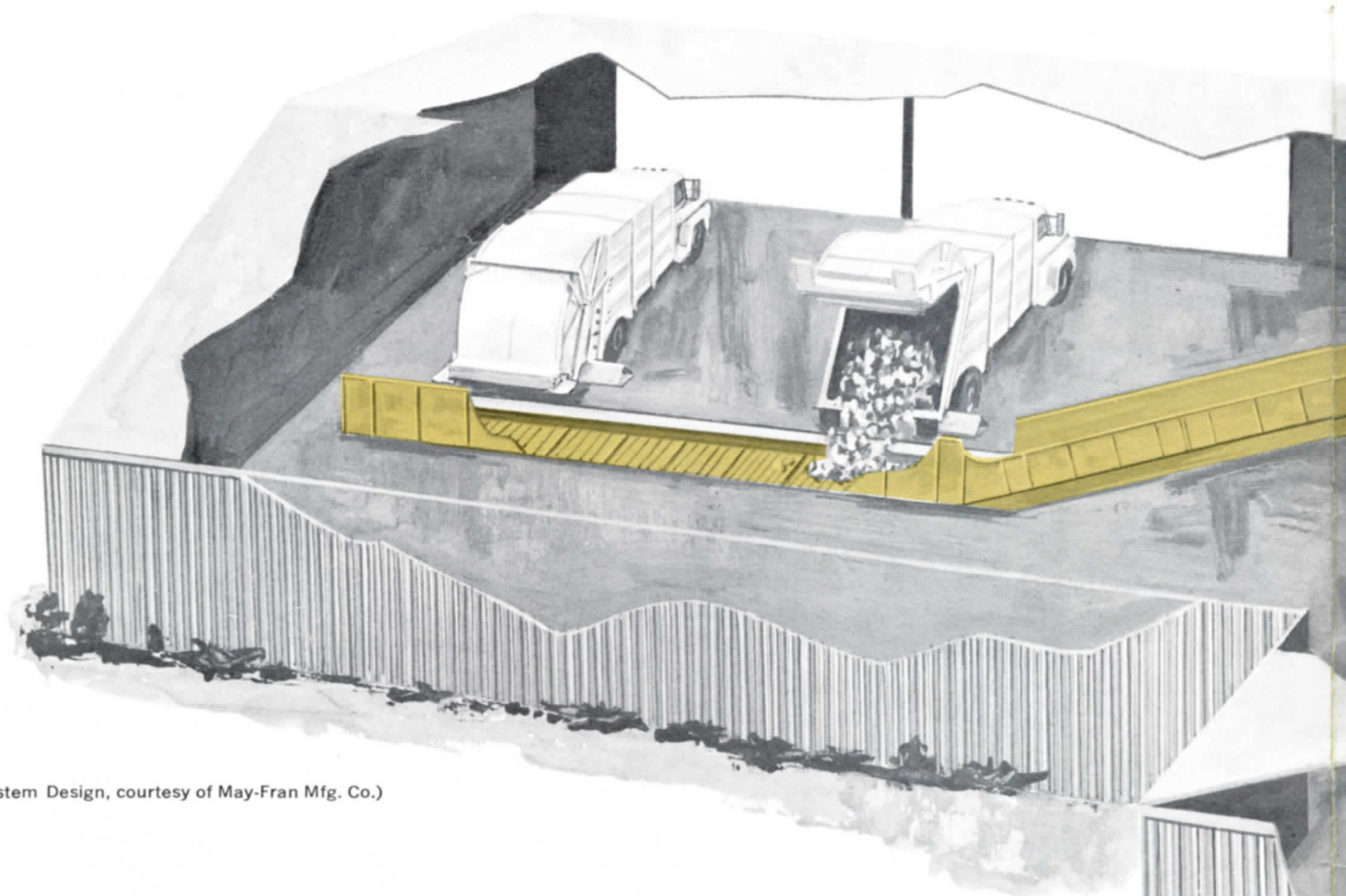
Here, refuse from several collection units is transferred to the Trailer, first going through a Compacting Hopper (see diagram) pages 2-3.

Leach Company, manufacturers of the **most accepted** collection units in the industry . . . the famous LEACH PACKMASTER . . . has designed a remarkably efficient system of refuse transfer . . . THE LEACH CENTRALIZED COLLECTION & DISPOSAL SYSTEM. Outstanding characteristics of LCC&DS include an ability to handle all types of household and commercial solid wastes . . . its adaptability to many sized municipal and industrial applications . . . and the **lowest cost per ton mile** factor of any Transfer System.

A "RIGHT-SIZE" SYSTEM FOR YOUR CITY!

ADAPTABILITY & VERSATILITY OF

THE LEACH CENTRALIZED COLLECTION SYSTEM



(Conveyor System Design, courtesy of May-Fran Mfg. Co.)

One of the latest refinements to LCC&DS is this unusually efficient conveyor-to-hopper innovation. This highly adaptable system greatly simplifies the erection of the LEACH Transfer Station and can be housed in standard, modular steel buildings. The conveyor permits loads to be dumped and transported to the hopper without delay in minutes.

ADVANTAGES TO CONVEYOR SYSTEM ADAPTATION:

- Lower construction costs—no two-level site required.
- Less time required to start operation.
- Less space required.
- Highly adaptable to both Municipal and Industrial use.
- Can be relocated to another site at low cost.

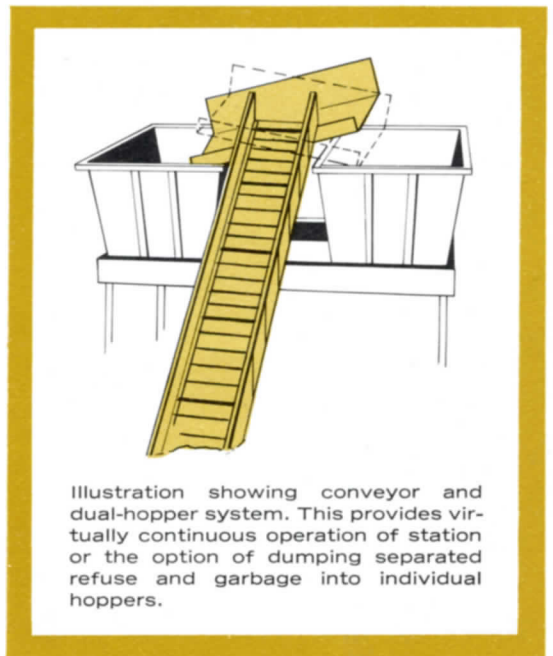
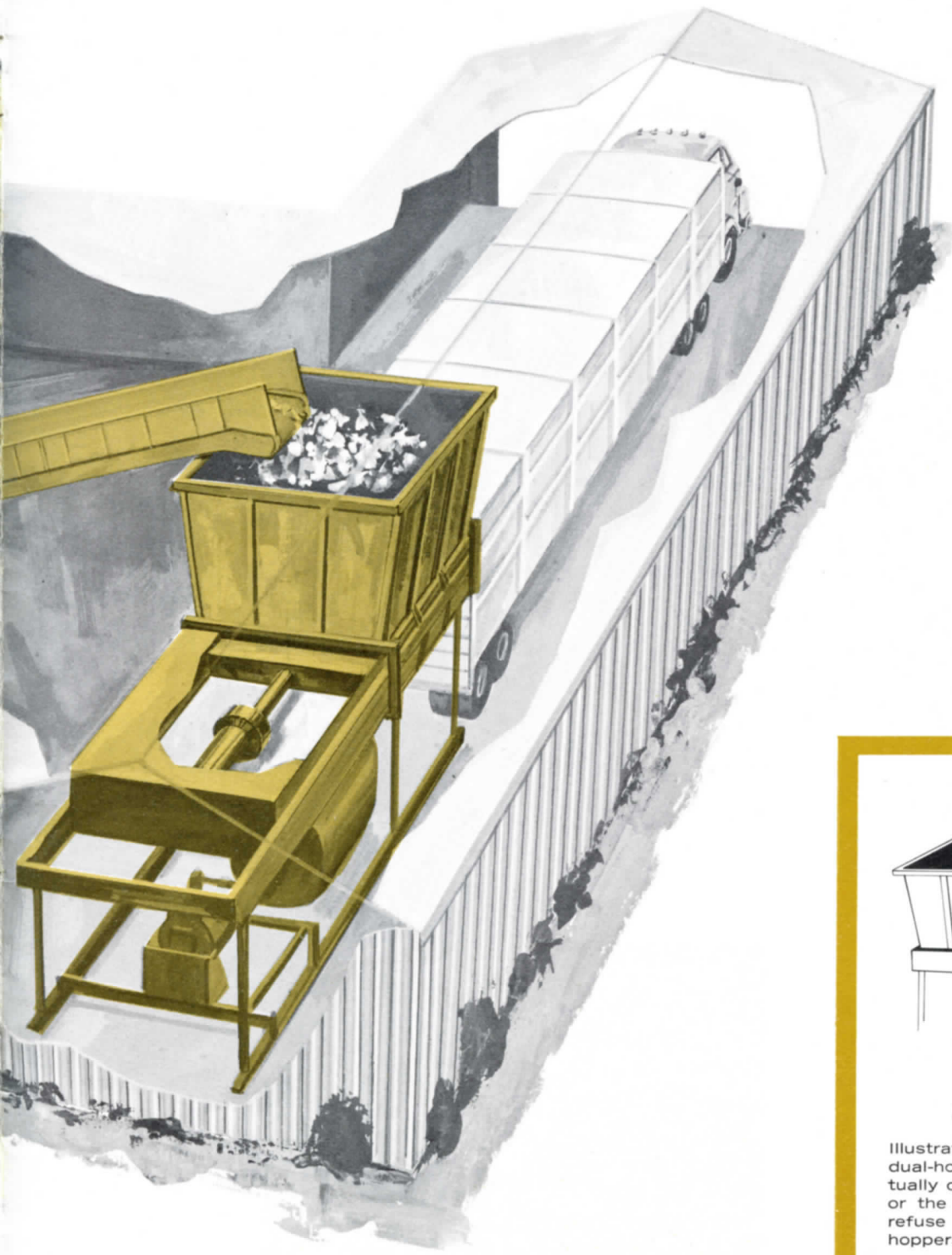
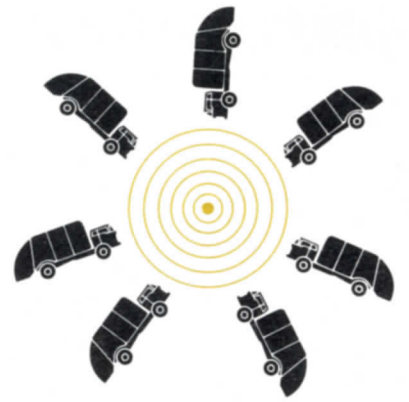


Illustration showing conveyor and dual-hopper system. This provides virtually continuous operation of station or the option of dumping separated refuse and garbage into individual hoppers.

SPECIAL BENEFITS OF

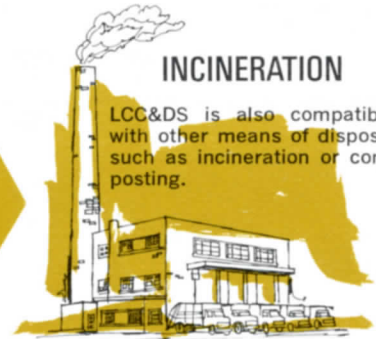
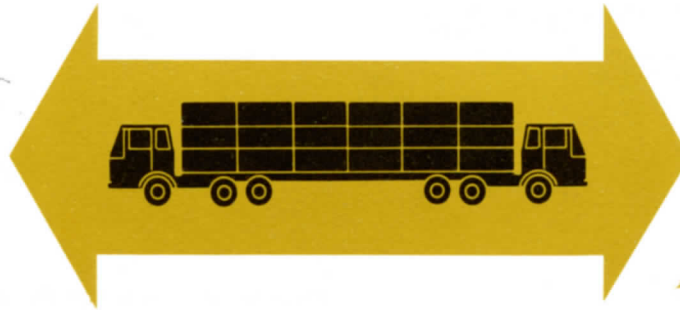
THE LEACH CENTRALIZED COLLECTION SYSTEM

COMPATIBLE WITH LANDFILL / INCINERATION



LANDFILL

LCC&DS ideally complements the landfill method of disposal . . . reduces to a minimum the long-bulk haul, so costly with smaller volume collection vehicles.



INCINERATION

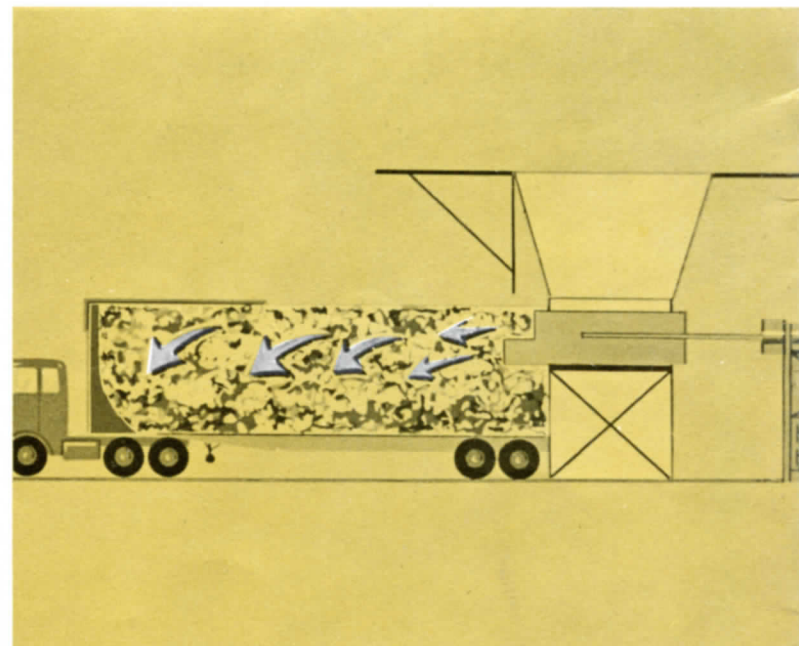
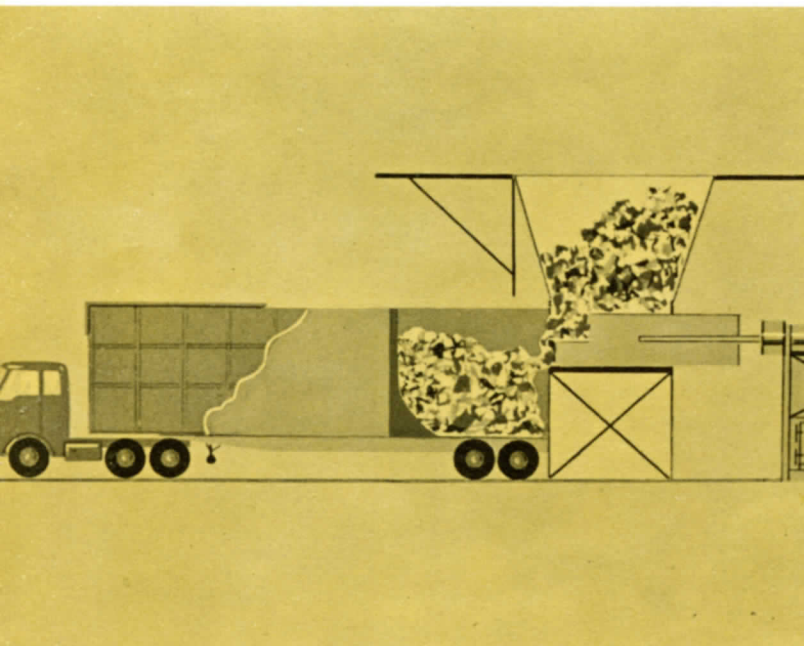
LCC&DS is also compatible with other means of disposal such as incineration or composting.

MAXIMUM COMPACTIBILITY...

LEACH DESIGNED AND ENGINEERED

No other compaction-type refuse unit has equaled the reputation achieved by Leach Company with its industry-leading LEACH PACK-MASTERS. Using this engineering know-how in designing the components of LCC&DS, Leach has provided a Transfer Trailer with Maximum Compactibility. Illustration below shows the LEACH hopper "top-loading" refuse into a LEACH trailer. Load is compacted along the top side of the trailer, then down and toward the rear into a densely concentrated mass.

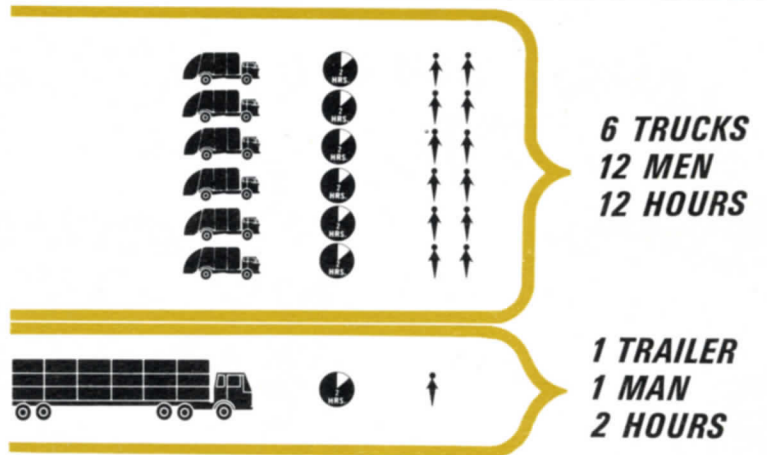
Another instance of how LCC&DS obtains the maximum efficiency of the bulk-long-haul.





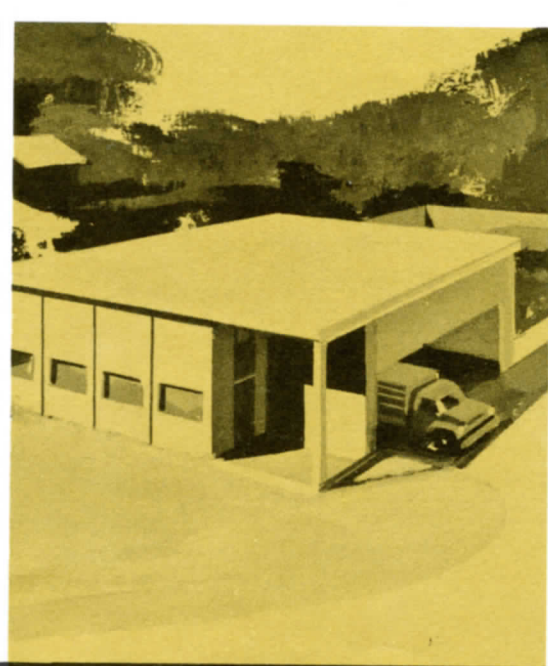
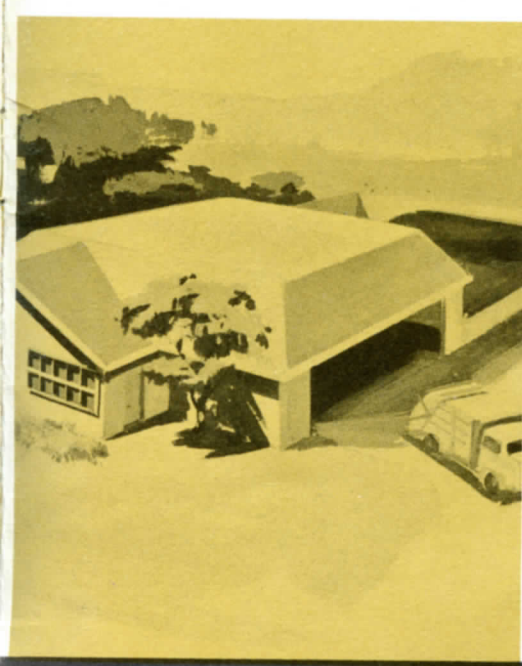
SIMPLIFIES THE "LOGISTIC" PROBLEMS IN REFUSE MATERIAL HANDLING...TO REDUCE THE COST-PER-TON-MILE TO ITS BAREST MINIMUM.

Which is more logical . . . to use 6 trucks, 12 men, 12 hours—or, 1 Trailer, 1 man, 2 hours? When the situation requires refuse transfer, these are the factors which can drastically reduce the per-ton-mile hauling costs in refuse disposal.



ADAPTABLE TO ALL ARCHITECTURAL STYLES

Since the Refuse Transfer Station is becoming more and more a part of the American Scene, it must conform to the existing architecture and landscaping. This is possible with LCC&DS as it is adaptable to any architectural styling, from the simplest of structures to the more elaborate contemporary or traditional stylings. In all cases, LCC&DS is designed to transfer and dispose refuse in the most practical and economical way. That it may blend into the existing environment as well, is just another one of its many benefits.



QUESTIONS & ANSWERS

Q. Again, what is the main purpose of the LEACH Centralized Collection System?

A. To reduce the growing cost in refuse disposal resulting from the fewer and fewer disposal sites available.

Q. What are the basic advantages to the LEACH system?

A. It is an extremely efficient and **complete** system. (1) Collection vehicles are used only for the Collection function. (2) Next, the refuse of several Collection units is compacted through a Hopper into a large Trailer designed specifically to fill the Transport function. (3) The Transport unit then carries the refuse to the disposal area in quantities up to the maximum load limits. (4) One manufacturer, Leach Company, Oshkosh, Wisconsin builds all three components: Collection unit, Hopper and Trailer unit. All are designed to function as a unified System.

Q. Why are Collection vehicles considered too expensive for the transport function?

A. There are too many "waste factors" involved. (1) An extra man for loading is required with each Collection unit. His time can be better utilized than riding to and from disposal areas. (2) Extra gas, oil, and tire wear are expended by Collection units going to and from disposal areas with **less than maximum loads**. (3) Control of drivers' and helpers' time is more difficult to supervise when Collection units travel long distances to and from disposal areas.

Q. Is LCC&DS adaptable to industrial usage as well as municipal applications?

A. Indeed it is. Anywhere that refuse waste is accumulated to a point where Collection units assume the role of transport vehicles, it is most wise to consider the LCC&DS concept. With today's growing waste accumulations . . . in all areas, Municipal, Industrial and Institutional . . . it is a necessity to

dispose of these accumulations at the lowest possible cost-per-ton mile. LCC&DS is, without question, the lowest cost method of waste material disposal now available.

Q. Is LCC&DS confined to a "one-hopper" system, or may it be expanded?

A. LCC&DS is virtually "unlimited" in its adaptability feature. For larger waste disposal problems, often **two** hoppers are placed side-by-side which, in turn, can service three, four or five Leach Transport Trailers.

Many methods of moving wastes from collection trucks to the hoppers are also available. An important advantage to LCC&DS is its unusual versatility and adaptability to reduce waste material-handling costs.

Q. What about structures to house the LCC&DS . . . is this limited in any way?

A. No, it certainly isn't. LCC&DS installations today are housed in every type of building from a bare "four-walls-and-a-ceiling" prefab all the way up to a fully-landscaped, Early American, Colonial red brick structure (to match the color scheme of the rest of the city's buildings).

Here again LCC&DS was designed to meet all of today's demands for a complete waste material system.

In Industrial applications, the system is equally versatile in its ability to be housed compatibly to its surroundings.

Q. How can I find out if a LEACH Centralized System is practical for my particular application?

A. Ask us to Survey it. A complete cost analysis will be made of all facets of your collection and disposal problems. Write either Distributor, whose name is imprinted below, or Elgin Leach Corporation, 222 West Adams Street, Chicago, Illinois, 60606.



ELGIN LEACH CORPORATION



SANITATION HEADQUARTERS
222 WEST ADAMS STREET · CHICAGO, ILLINOIS 60606

Sanitation is our only business

ELGIN LEACH INTERNATIONAL, INC.
222 W. Adams Street
Chicago, Illinois 60606

C. N. WOOD CO., INC.
570 ARSENAL STREET
WATERTOWN, MASS. 02172
923-0200 — 923-0201