

Securities and Exchange Commission
Washington, D. C. 20549

Schedule 13G
Under the Securities Exchange Act of 1934
(Amendment No. 1)

Waste Management, Inc.
Common Stock
CUSIP Number 94106L109

Date of Event Which Requires Filing of this Statement: December 31, 2001

CUSIP No. 94106L109

- 1) Name of reporting person:
Legg Mason, Inc.
Tax Identification No.:
52-1200960
- 2) Check the appropriate box if a member of a group:
a) n/a
b) n/a
- 3) SEC use only
- 4) Place of organization:
Maryland

Number of shares beneficially owned by each reporting person with:

- 5) Sole voting power: - 0 -
- 6) Shared voting power: 40,513,106
- 7) Sole dispositive power: - 0 -
- 8) Shared dispositive power: 40,513,106
- 9) Aggregate amount beneficially owned by each reporting person:
40,513,106
- 10) Check if the aggregate amount in row (9) excludes certain shares:
n/a
- 11) Percent of class represented by amount in row (9):
6.45%
- 12) Type of reporting person:
HC, CO

Item 1a) Name of issuer:
Waste Management, Inc.

Item 1b) Address of issuer's principal executive offices:
1001 Fannin, Suite 4000
Houston, TX 77002

Item 2a) Name of person filing:
Legg Mason, Inc.

Item 2b) Address of principal business office:
100 Light Street
Baltimore, MD 21202

Item 2c) Citizenship:
Maryland Corporation

Item 2d) Title of class of securities:
Common Stock

Item 2e) CUSIP number: 94106L109

- Item 3) If this statement is filed pursuant to Rule 13d-1(b),
or 13d-2(b), check whether the person filing is a :
- (a) [] Broker or dealer under Section 15 of the Act.
 - (b) [] Bank as defined in Section 3(a) (6) of the Act.
 - (c) [] Insurance Company as defined in Section 3(a) (6) of
the Act.
 - (d) [] Investment Company registered under Section 8 of the
Investment Company Act.
 - (e) [] Investment Adviser registered under Section 203 of the
Investment Advisers Act of 1940.
 - (f) [] Employee Benefit Plan, Pension Fund which is subject

- (g) [X] Parent holding company, in accordance with 240.13d-1(b)(ii)(F).
- (h) [] Group, in accordance with 240.13d-1(b)(1)(ii)(H).

Item 4) Ownership:

- (a) Amount beneficially owned: 40,513,106
- (b) Percent of Class: 6.45%
- (c) Number of shares as to which such person has:
 - (i) sole power to vote or to direct the vote:
 - 0 -
 - (ii) shared power to vote or to direct the vote:
 - 40,513,106
 - (iii) sole power to dispose or to direct the disposition of:
 - 0 -
 - (iv) shared power to dispose or to direct the disposition of:
 - 40,513,106

Item 5) Ownership of Five Percent or less of a class:
n/a

Item 6) Ownership of more than Five Percent on behalf of another person:

Various accounts managed by the investment advisory subsidiaries described in Item 7 have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of shares of Waste Management, Inc. No such account owns more than 5% of the shares outstanding.

Item 7) Identification and classification of the subsidiary which acquired the security being reported on by the parent holding company:

Berkshire Asset Management, Inc., investment adviser
 Legg Mason Funds Management, Inc., investment adviser
 Bartlett & Co., investment adviser
 Legg Mason Capital Management, Inc., investment adviser
 Legg Mason Wood Walker, Inc., investment adviser and broker/dealer with discretion
 Perigee Investment Counsel, Inc., investment adviser

Item 8) Identification and classification of members of the group:
n/a

Item 9) Notice of dissolution of group:
n/a

Item 10) Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

Signature

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date - February 8, 2002

Legg Mason, Inc.

By _____
Timothy C. Scheve, Sr. Ex. Vice President

