REPUBLIC SERVICES INC

Form 4

September 18, 2008

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB Number:

3235-0287

0.5

of

(Instr. 4)

Check this box if no longer

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

January 31, Expires: 2005

OMB APPROVAL

subject to Section 16. Form 4 or

SECURITIES

Estimated average burden hours per response...

Form 5 obligations may continue.

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

See Instruction

1(b).

Common

Stock

09/16/2008

(Print or Type Responses)

1. Name and CASCAD	- 2. 1554	er Name an	d Ticker or Trading	5. Relationship of Reporting Person(s) to Issuer			
		REPU	BLIC SE	RVICES INC [RSG]	(Check	all applicable)
(Last)	(First) (Middle) 3. Date of	of Earliest 7	Transaction			
		(Month/	Day/Year)		Director	_X_ 10%	Owner
2365 CAR	ILLON POINT	09/16/2	2008		Officer (give t below)	itle Othe below)	r (specify
	(Street)	4. If Am	endment, D	Date Original	6. Individual or Joi	nt/Group Filin	g(Check
		Filed(Mo	onth/Day/Yea	ar)	Applicable Line) Form filed by Or		
KIRKLAN	ND, WA 98033				_X_ Form filed by M Person	ore than One Re	porting
(City)	(State)	(Zip) Tak	ole I - Non-	Derivative Securities Acqu	uired, Disposed of,	or Beneficial	y Owned
1.Title of	2. Transaction Date	2A. Deemed	3.	4. Securities Acquired (A)	5. Amount of	6.	7. Nature o
Security	(Month/Day/Year)	Execution Date, if	Transactio	omr Disposed of (D)	Securities	Ownership	Indirect
(Instr. 3)		any	Code	(Instr. 3, 4 and 5)	Beneficially	Form:	Beneficial
		(Month/Day/Year)	(Instr. 8)		Owned	Direct (D)	Ownership

(A)

(D)

Α

Price

31.9012

\$

(1)

Amount

65,304

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

P

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Following

Reported

Transaction(s) (Instr. 3 and 4)

33,195,240

or Indirect

(Instr. 4)

D

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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	2.	3. Transaction Date		4.	5.	6. Date Exerc		7. Titl		8. Price of	9. Nu
Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	(Month/Day/Year)	Execution Date, if any (Month/Day/Year)	Transact Code (Instr. 8)	orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	:		Amou Under Securi (Instr.	lying	Derivative Security (Instr. 5)	Deriv Secur Bene Own Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

Reporting Owners

Reporting Owner Name / Address	Relationships				
Troporting of their remarks	Director	10% Owner	Officer	Other	
CASCADE INVESTMENT LLC 2365 CARILLON POINT KIRKLAND, WA 98033		X			
GATES WILLIAM H III ONE MICROSOFT WAY REDMOND, WA 98052		X			

Signatures

Cascade Investment, L.L.C. By: /s/ Michael Larson, Business Manager	09/18/2008
**Signature of Reporting Person	Date
William H. Gates III By: /s/ Michael Larson*, Attorney-In-Fact	09/18/2008
**Signature of Reporting Person	Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

This transaction was executed in multiple trades at prices ranging from \$31.39 to \$32.33. The price reported above reflects the weighted average purchase price. The reporting persons hereby undertake to provide upon request to the SEC staff, the issuer or a security holder of the issuer full information regarding the number of shares and prices at which the transactions were effected.

Remarks:

* Duly authorized under Special Power of Attorney appointing Michael Larson attorney-in-fact, dated February 3, 2006, by ar Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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