

WEST BASIN MUNICIPAL WATER DISTRICT

AUGUST 7, 2002 – Water Resources
 McDonald, Little

AUGUST 26, 2002 – Board Meeting

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Approved by: Darryl G. Miller

ACTION CALENDAR

SLUDGE HAULING AND BENEFICIAL REUSE

SUMMARY:

West Basin generates 40 to 60 tons per day of dewatered sludge at the water recycling plant. The major component of the sludge is lime from the lime clarifier pre-treatment process on Barrier reverse osmosis Train Nos. 1 and 2. West Basin contracts with Fleet Transportation Services (FTS) to haul the dewatered sludge off-site for beneficial reuse. FTS has made arrangements with TPS Inc. in Adelanto to reuse the dewatered sludge beneficially. The dewatered sludge is blended with thermally treated bio-solids and used as a cap material for landfills. The current two-year agreement expires in September.

Staff issued a "Request for Proposals" for sludge hauling and beneficial reuse services on July 2, 2002. Two proposals were received on July 29, 2002. The first proposal was submitted by Fleet Transportation Services (FTS), our current sludge hauler. FTS is proposing to use the same firm, TPS Technologies, Inc. to reuse the sludge. TPS Technologies, located in Adelanto, has been receiving the sludge from the District for the last three years. The plant processes non-hazardous soils throughout California and utilizes the treated soils as backfill and landfill cover. West Basin's sludge will be blended into soil that has been thermally treated to provide moisture and cohesiveness. TPS is also operating a composting facility in Adelanto that may utilize the lime as an amendment in its composting operations. If for some unforeseen reason, TPS Technologies is unable to accept the sludge for a period of time, FTS is proposing to use Waste Management's Nu-way landfill in Irwindale and the Azusa Land Reclamation Facility in Azusa. The sludge will be blended with soils, asphalt, concrete, and other similar inert wastes to reclaim old mine pits. This land reclamation will return the old mine pits to its original grade for future use. FTS is proposing to use Chavez Trucking to haul the sludge. Chavez Trucking is a certified Minority/Disadvantaged Business Enterprise. FTS is proposing to charge \$26.50 per ton to haul the sludge to these sites, the current price is \$25.22 per ton.

The second proposal was submitted by GF Industries in Brea. GF Industries is proposing to use Hondo Chemical in Bakersfield to reuse the sludge. Hondo Chemical is a major supplier of mined and recycled gypsum in the Kern County area. The sludge would be mixed with acidic materials to form synthetic gypsum which is then used as a soil amendment. GF Industries is proposing to use Lutrel Trucking and Environmental Services, Inc. to haul the sludge to Bakersfield. GF Industries is proposing to charge \$35.00 per ton to haul the sludge.

The following table summarizes the two proposals.

Respondent	Per Ton Fee	Hauling Company
Fleet Transportation Services	<ul style="list-style-type: none"> • \$26.50 per ton • \$14.00 per ton hauling to Puente Hills Landfill 	Chavez Trucking (M/DBE)
GF Industries	<ul style="list-style-type: none"> • \$35.00 per ton 	Lutrel Trucking and

	• \$16.50 per ton to Puente Hills Landfill	Environmental Services
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FISCAL IMPACTS:

Funds are available in the Operations and Maintenance Budget for next fiscal year.

ENVIRONMENTAL COMPLIANCE:

Not applicable.

COMMITTEE STATUS:

This item was reviewed by the Water Resources Committee on August 7, 2002 and was recommended for approval at the August 26, 2002 Board meeting.

RECOMMENDED MOTION:

Authorize the General Manager to enter into an agreement with Fleet Transportation Services to:

1. Haul the water recycling plant sludge to the reuse sites described above for \$26.50 per ton; and
2. If those sites are unable to process the sludge, to haul the sludge to Puente Hills Landfill for \$14.00 per ton.

The agreement will be for two years with an adjustment allowed after one year to account for changes in the Consumer Price Index, the cost of fuel, or disposal fees. Because fees were based on 20-ton loads, loads less than 17 tons will be charged the 20-ton minimum. The estimated maximum value of the agreement is \$460,000 per year.

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