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Clear Streams Initiative: Report on Investigation/ Enforcement Phase



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

AS-196 (September 2004)

Clear Streams Initiative: Report on Investigation/ Enforcement Phase

Prepared by
Field Operations

AS-196
September 2004



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Overall Assessment

This report summarizes a focused review of mining activities that may have the potential to impact surface water quality. The Texas Commission on Environmental Quality (TCEQ) conducted the relatively short review as an assessment of prevailing conditions and impacts of mining facilities that are required under state and federal law to obtain storm water permits. The particular type of storm water permit required for mining operations is the Multi-Sector Industrial Permit (MSGP), which became a regulatory requirement in 2001. This universe of permits is a portion of a much larger federal National Pollution Discharge Elimination System (NPDES), which was delegated to Texas in 1998.

Prior to delegating the NPDES program to Texas, the U.S. Environmental Protection Agency (EPA) was responsible for the program, and between 1984 and 2000 conducted relatively few on-site inspections. The TCEQ began in 1999 to conduct field inspections on facilities covered under the NPDES program consistent with available resources. Since 2001 when the MSGP was first required for mining facilities, the TCEQ has averaged about 1,000 site inspections per year.

The overall findings of this review are that the waterways in the State of Texas are not significantly impacted by mining activities. While there are a few egregious violators, the vast majority of operators inspected, permitted or not, had little or no enduring impact on our waterways. Those mining operators which have not followed regulatory requirements are being appropriately addressed through the enforcement process. The Texas Legislature has provided the TCEQ with the ability to deal with these noncompliant facilities, and existing federal and state statutory authority enables the agency to assure compliance with the existing regulations and develop additional requirements if appropriate.

Establishment of The Clear Streams Initiative

Objective: To identify actual and measurable risk of adverse impacts to water quality from rock mining (by industry sector and location) and the level of compliance with existing regulatory requirements; and to assess whether existing regulatory requirements for rock mining are adequate to prevent unauthorized discharges to water bodies and to abate storm water runoff.

Action Item 1: Enforcement Initiative

Time frame: April, 2004

Duration: 6 months

- Identification of unauthorized sites
- Request Attorney General involvement for injunctive relief to immediately cease operations at unauthorized sites

- Investigation of high-risk authorized sites and expedited enforcement for noncompliance with focus on immediate corrective action
- Prioritize and accelerate any existing or new enforcement action at noncompliant sites
- Status reports at 1 month and 3 month intervals; final report in 6 months
- This report was completed within the six month time frame

Action Item 2: Comprehensive Assessment on Major Rivers

Time frame: April, 2004

Duration: 3 months

- Organized joint effort by TCEQ Regional Offices, Texas Parks and Wildlife Department (TPWD) and River Authorities to survey from both air, water and ground for specific identification of facilities that pose potential environmental risks to navigable waterways
- Finalize a report detailing the number and extent of sites with a risk of impacting navigable waterways

Action Item 3: Develop Protocols for On-going Enforcement

Time frame: 6 months

Duration: On-going

- Enter into understanding with TCEQ, TPWD, and River Authorities to notify the appropriate agency and respond immediately to potential runoff problems
- Prioritize public complaints regarding observed or potential discharges

Action Item 4: Review and Update TCEQ Regulatory Requirements

Time frame: 6 months

Duration: 6 months

- Consider promulgation of a new General Permit specific to rock and sand and gravel mining operations in close proximity to a navigable waterway
- Contemplate development of siting restrictions where a General Permit would not be available as a means of authorization
- Review Best Management Practices (BMPs) to determine their adequacy
- Explore specific reporting requirements

- Retain the flexibility to require Individual Permits on a case-by-case basis to address specific controls that may be necessary at a site with particular characteristics

Action Item 5: Legislative Initiative

- To be developed by the Commission as appropriate.

Regulatory Background

Sediment-laden storm water runoff can contribute to the impairment of many U.S. water bodies. Currently there are no such impairments in Texas. Temporary elevated sediment loading is typically associated with storm events when runoff carries eroded soil to waterways. By overland sheet flow or through storm sewer systems, sediment-laden storm water runoff is discharged, often untreated, directly into state water bodies. This runoff can result in impact to:

- fish, wildlife, and aquatic life habitats;
- loss in aesthetic value; and
- threats to public health relating to drinking water supplies and recreational waterways.

The National Pollutant Discharge Elimination System (NPDES) Storm Water program is a comprehensive two-phased national program for addressing the non-agricultural sources of storm water discharges which adversely affect the quality of our nation's waters. This program was mandated by Congress under the Clean Water Act §402(p), and was delegated by the EPA to the TCEQ as part of the NPDES program. Federal storm water rules for §402(p) are in 40 Code of Federal Regulations (CFR) §§122.26, 122.30-37 and are adopted by reference in 30 Texas Administrative Code (TAC) §281.25. Also, the state statutory authorization for issuing the MSGP for industrial storm water discharges is found in Texas Water Code (TWC) §26.040 - General Permits, §26.027 - Commission May Issue Permits, and §26.121 - Unauthorized Discharges Prohibited.

EPA was responsible for the storm water program beginning in 1984 for industrial discharges, and permitting requirements for construction discharges were added in 1990. The majority of EPA's investigation resources were focused on the construction general permit rather than the MSGP. Consequently, when TCEQ issued the MSGP on August 20, 2001, there were many sites that were unaware they needed a permit. The TCEQ issued the Storm Water Construction General Permit (CGP) on March 5, 2003 and it is anticipated that the Phase II Municipal Separate Storm Sewer System (MS4) permit will be issued in fiscal year 2005. Additionally, Phase I MS4 individual permits will be issued in the near future.

In fiscal years 2002 -2004 (to date), the agency conducted over 3,000 storm water investigations, not including complaints. With 19 dedicated storm water field staff investigators, TCEQ has committed to conduct about 1,000 investigations per year at industrial facilities and construction sites, not including complaints. As of August 2004, TCEQ has issued 7,525 Multi-Sector Industrial permits, 3,258 MSGP No Exposure Certifications, and 20,846 Construction General Permits for a combined universe of 31,629. The number of permitted rock mining facilities (with the MSGP) is approximately 375 and there are about 173 unpermitted facilities (based on comparison of TCEQ's database with the Comptroller's database for same SIC codes).

Prior to issuing the general permit in fiscal year 2001, TCEQ conducted approximately 525 reconnaissance investigations to educate the regulated community about the terms and conditions of the general permit and about storm water program requirements. The TCEQ also conducted 12 outreach seminars on the MSGP in 2001, and 8 MSGP seminars again in 2004. On a daily basis, TCEQ investigators continue to make presentations to educate entities on the general permit and storm water program requirements.

Discussion

The Clear Streams Initiative was in response to numerous inquiries and requests for investigations at rock mining facilities located close to surface water, stemming from significant noncompliance at a large site on the Brazos River. The plan included a concentrated effort by a team of dedicated field investigators conducting investigations over a four week period at 316 facilities in 62 counties.

The selection of facilities for the investigation included those with current TCEQ permits as well as approximately 100 sites operating without authorization. The 100 sites were identified through a review of Standard Industrial Classification (SIC) codes contained in the Comptroller of Public Accounts database. This review was designed to identify the extent of noncompliance, identify necessary corrective actions, apply appropriate deterrent penalties and join the efforts of other state agencies to ensure Texas' natural resources are protected.

The review began in late April 2004 with staff directed to develop an initiative for a focused review of rock mining facilities to determine the level of compliance with the Multi-Sector General Permit's (MSGP's) requirements for storm water control. Rock mining operations fall under Sector J of the MSGP. These facilities have to meet extensive permit requirements for sampling, inspections, implementation, and maintenance of "Best Management Practices" (BMP) including structural controls and operational practices such as good housekeeping, etc. and they must also meet effluent limits for total suspended solids (TSS) and potens hydrogen (pH). Below are some examples of BMPs a facility might use:

- Limit disturbance of areas until absolutely necessary.
- Preserve existing vegetation/trees wherever possible.
- Provide temporary stabilization in areas that are inactive for an extend period of time (silt fences, straw bales, rock dams, temporary vegetation, mulching, etc.).
- Provide retention ponds for runoff from disturbed areas.
- Provide detention/sediment ponds, designed to hold the volume of water from the watershed for the period of time necessary to allow settling of solids, based on rainfall data and soil types.
- Treat water in detention ponds with a flocculant, prior to discharge, wherever necessary.
- Provide final stabilization to disturbed areas as soon as possible following cessation of industrial activities in those areas.

- Provide sufficient setback between areas of industrial activities and watercourses so that structural controls can be incorporated to control storm water runoff prior to discharge.
- Provide sufficient setback between areas of industrial activities and watercourses so that a natural buffer provides erosion control prior to discharge.
- Utilize levees or berms along perimeters of the site to contain and direct storm water to more centralized areas where runoff can be managed prior to discharge.
- Utilize parallel terraces on steep slopes to slow runoff velocity and minimize erosion.
- Retain overburden, stabilize, and use this soil when establishing final stabilization.
- Construct roadways in a manner that limits or prevents traffic from crossing drainageways. Utilize temporary bridges and culverts in these areas.
- Utilize rock lined discharge routes.
- Slow the discharge velocity prior to the receiving water (through BMPs) such that discharges do not cause erosion of the receiving waters (stream banks and channels).
- Capture runoff in a pond and utilize for dust suppression and for irrigating vegetated areas.
- Develop a facility inspection schedule for BMPs that is based on the frequency of rainfall events and the observed need to ensure that BMPs are adequate and continue to perform as planned.
- Upgrade, substitute, or continue to implement BMPs based on the results of inspections.
- Maintain structural controls as necessary to ensure they are adequate and continue to perform as planned based on the results of inspections and observations.

Total Suspended Solids

Total Suspended Solids (TSS) are a concern with rock mining facilities. The MSGP has effluent limits of 45 mg/l TSS for mine de-watering operations to minimize any impact on receiving waters. Excessive sedimentation can destroy aquatic habitat and high volumes of runoff can cause stream bank erosion. In Texas, there have never been any water bodies listed as impaired

due to excessive loadings of TSS. If there were, TCEQ would apply the same approach as for other listed parameters in the list of impaired water segments, commonly referred to as the 303(d) list.

The listing would be placed in one of the three applicable subcategories of the impaired list and be scheduled for either: (1) a Total Maximum Daily Load (TMDL), (2) an evaluation of applicable standards, or (3) additional monitoring to confirm extent of the impairment.

Until a TMDL is completed, no permits would be issued in the impacted segment that would increase the sediment load, if that increase in load would cause or contribute further to the impairment in water quality.

In some instances, an impairment may be placed into Category 4b, which is defined as, "other pollution control requirements are reasonably expected to result in the attainment of the water quality standard in the near future." For example, if the impairment can clearly be attributed to a single point source discharge, the problem can be more efficiently addressed through permitting or enforcement, rather than through what may be a lengthy, complex, and expensive TMDL.

Currently, there are no numeric water quality standards for determining problems with TSS. The applicable narrative general criteria in the water quality standards states:

"Surface water shall be essentially free of floating debris and suspended solids that are conducive to producing adverse responses in aquatic organisms or putrescible sludge deposits or sediment layers which adversely affect benthic biota or any lawful uses."

"Surface waters shall be essentially free of settleable solids conducive to changes in flow characteristics of stream channels or the untimely filling of surface water in the state."

"Waste discharges shall not cause substantial and persistent changes from ambient conditions of turbidity or color."

At this time, there is no established assessment methodology for assessing a violation of the narrative criteria for TSS.

TSS levels are typically highest immediately after a storm event until the sediment settles out when stream flow decreases. Land use plays a big part in sediment loading—for example, undeveloped land will have less TSS-laden runoff than a construction or industrial site where soil has been disturbed.

Because there are no water quality standards for solids, when TCEQ authorizes discharges of storm water from industrial activities and construction activities that have the potential to be a significant contributor of solids, those permits contain requirements to eliminate or effectively minimize erosion and the offsite discharge of solids. Because there is not a water quality standard, and no permitted concentration of solids, it is

important that TCEQ investigators determine that pollution prevention measures are implemented and adequate at permitted sites.

Investigation Plan

Staff developed a plan to conduct 316 investigations between May 17, 2004 and June 17, 2004. Of these 316 investigations, 163 occurred at permitted sites and 103 occurred at selected un-permitted sites. In addition, 50 other sites were inspected where the agency determined that no MSGP, commonly referred to as the industrial storm water permit, was required. These investigations were conducted in the following six regions: Abilene, Dallas/Fort Worth, Waco, Austin, Houston, and San Antonio. These regions were selected because of the high density of facilities located on or adjacent to surface water bodies, which indicates the highest potential for significant harm to water quality.

Investigators were directed to determine:

- If the sites had BMPs in place such as erosion and sedimentation controls, which would adequately prevent pollution from entering water bodies;
- If sampling for TSS and pH was being conducted;
- If annual evaluations were being conducted;
- If the storm water pollution prevention plan was developed and implemented; and
- If records were being kept, and if so, did they meet the requirements in the permit.

The following were the most common facility types and the corresponding SIC codes targeted for investigations during Clear Streams Initiative:

- **Dimension Stone (1411):** Facilities primarily engaged in mining or quarrying dimension stone such as limestone, marble, and slate. Also included are facilities engaged in producing rough blocks and slabs.
- **Crushed and Broken Stone- including 'Riprap' (1422-1429):** Facilities primarily engaged in mining or quarrying crushed and broken limestone, including related rocks, such as dolomite, cement rock, marl, travertine, and calcareous tufa. Also included are facilities primarily engaged in the grinding or pulverizing of limestone. (Riprap is generally defined as dense, rough, angular rocks of various sizes arranged to prevent erosion of channel banks and bottom.)
- **Sand and Gravel Mining (1442):** Facilities primarily engaged in operating sand and gravel pits and dredges, and in

washing, screening, or otherwise preparing sand and gravel for construction uses.

- **Sand and Gravel Mining (1446):** Facilities primarily engaged in operating sand and gravel pits and dredges, and in washing, screening, or otherwise preparing sand and gravel for industrial uses.

The Clear Streams initiative also found a small number (seven) of additional facilities that received investigations based on perceived or potential water quality concerns that did not fall into the four general facility types listed above. These facilities fall into six additional facility types with corresponding SIC codes below. Each of the seven facilities were documented to have violations. Five of these facilities were sent Notice of Violation (NOV) letters and two were forwarded for appropriate enforcement action.

- **Clay, Ceramic, and Refractory Minerals, Not Elsewhere Classified (1459):** Facilities primarily engaged in mining, milling, or otherwise preparing clay, ceramic, or refractory minerals, not elsewhere classified. Facilities producing clay in conjunction with the manufacture of refractory or structural clay and pottery products are classified in Manufacturing, Major Group 32.
- **Miscellaneous Nonmetallic Minerals, Except Fuels (1499):** Facilities primarily engaged in mining, quarrying, milling, or otherwise preparing nonmetallic minerals, except fuels. This industry includes the shaping of natural abrasive stones at the quarry. Facilities primarily engaged in the production of blast, grinding, or polishing sand are classified in Industry 1446, and those calcining gypsum are classified in Manufacturing, Industry 3275.
- **Highway and Street Construction, Except Elevated Highways (1611):** General and special trade contractors primarily engaged in the construction of roads, streets, alleys, public sidewalks, guardrails, parkways, and airports. Special trade contractors primarily engaged in the construction of private driveways and sidewalks are classified in Industry 1771.
- **Fertilizers, Mixing Only (2875):** Facilities primarily engaged in mixing fertilizers from purchased fertilizer materials.
- **Ready-Mixed Concrete (3273):** Facilities primarily engaged in manufacturing portland cement concrete manufactured and

delivered to a purchaser in a plastic and unhardened state. This industry includes production and sale of central-mixed concrete, shrink-mixed concrete, and truck-mixed concrete.

- **Minerals and Earths, Ground or Otherwise Treated (3295):** Facilities operating without a mine or quarry and primarily engaged in crushing, grinding, pulverizing, or otherwise preparing clay, ceramic, and refractory minerals; barite; and miscellaneous nonmetallic minerals, except fuels. These minerals are the crude products mined by facilities of Industry Groups 145 and 149, and by those of Industry 1479 mining barite. Also included are facilities primarily crushing slag and preparing roofing granules. The beneficiation of preparation of other minerals and metallic ores, and the cleaning and grading of coal, are classified in Division B, Mining, whether or not the operation is associated with a mine.

Investigation Results

The Clear Streams Initiative resulted in the following general findings:

- A total of 316 sites were investigated;
- 72 operational violations were documented (potential or actual environmental impact);
- 138 administrative violations were documented (general paperwork);
- Un-permitted sites were generally referred for appropriate enforcement action; and
- Common violations were inadequate BMPs, unauthorized discharges, and failure to monitor as required by permit.

Following are a series of tables providing the results of the Storm Water initiative in a variety of formats. Following each table is a brief description of the information contained in the table. Also, in some cases this information is condensed from a larger Appendix table. If so, that is noted and identified.

Table 1. Authorization Status

Facility Type	Number of Investigations	% of Investigations
Permitted	163	52%
Un-permitted	103 ¹	33%
No Permit Required	50	15%
Total	316	100%

During the initiative investigators visited a total of 316 facilities. Approximately one third of these facilities did not have a permit². Refer to Appendix A for specific facility information.

Table 2. Number of Investigations by Region

Region	Number of Investigations			Investigations
	Permitted	Un-permitted	No Permit Required	Number and (%)
Abilene	13	9	2	24 (08%)
Dallas/Ft. Worth	38	27	8	73 (23%)
Waco	40	22	8	70 (22%)
Austin	22	10	16	48 (15%)
Houston	19	25	8	52 (17%)
San Antonio	31	10	8	49 (15%)
Total	163	103	50	316 (100%)

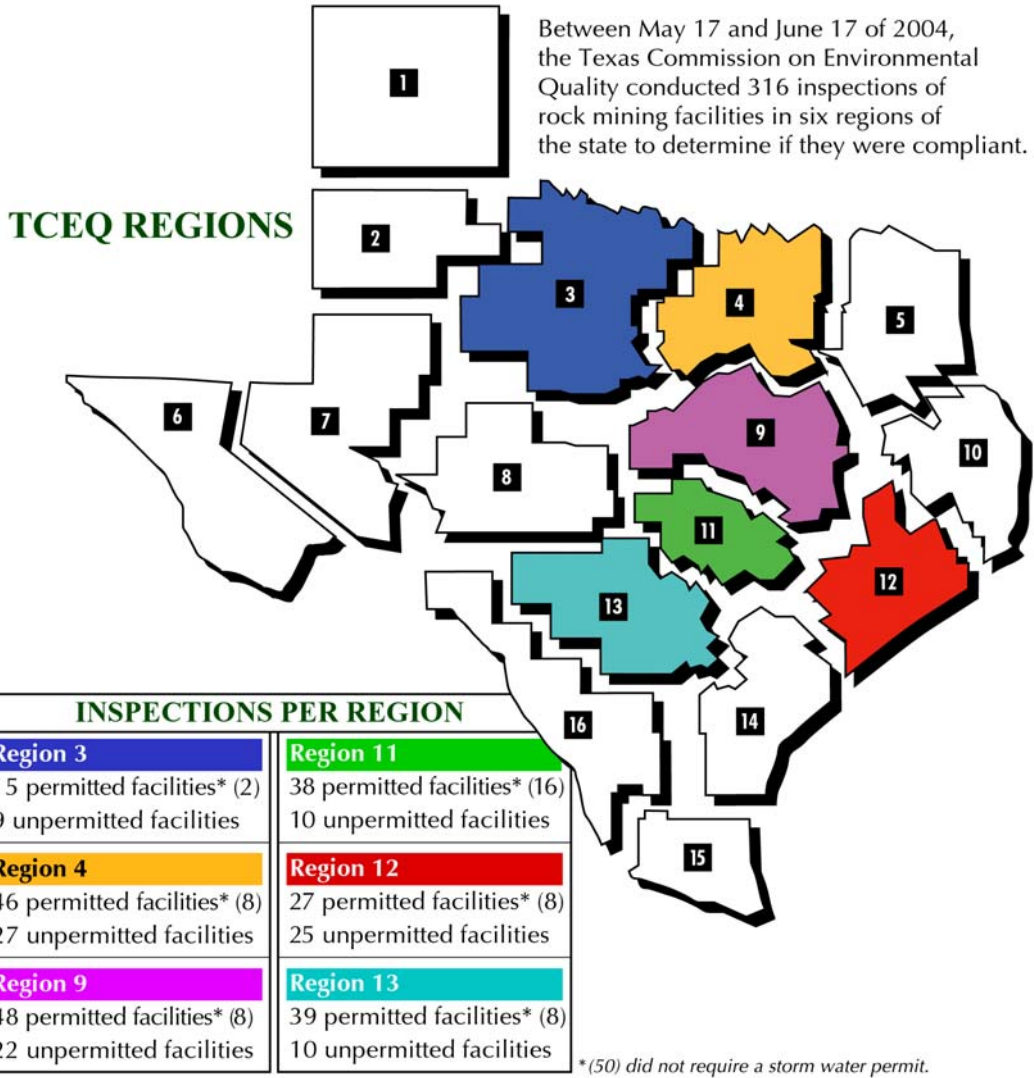
Table 2 illustrates how many investigations were conducted in each region.

¹ At the time of the interim report (July 2004), it was initially thought that 132 sites were un-permitted. The interim report was a snapshot of what the investigator saw that day at the site. Some of these sites were inaccessible the first time the investigator visited, either due to the fact the site had shut down, rainfall precluded accessibility, the site was un-manned and/or there was no one available to let the investigator on-site. As compliance documentation was received to resolve violations, it became evident that some of the sites did have permits, while others were no discharge sites or were designated with the wrong SIC code, thus no permit coverage was necessary.

² Caution should be used to identify trends; facilities were chosen based on risk and potential harm to navigable and recreational use of waterways, and thus trends can not be extrapolated to the entire industry.

Figure 1. The Number of Investigations by Region

Clear Streams Initiative



Region 3 - Abilene 325/698-9674	
Archer	Kent
Baylor	Knox
Brown	Mitchell
Callahan	Montague
Clay	Nolan
Coleman	Runnels
Comanche	Scurry
Cottle	Shackelford
Eastland	Stephens
Fisher	Stonewall
Foard	Taylor
Hardeman	Throckmorton
Haskell	Wichita
Jack	Wilbarger
Jones	Young

Region 4 - DFW 817/588-5800	
Collin	Johnson
Cooke	Kaufman
Dallas	Navarro
Denton	Palo Pinto
Ellis	Parker
Erath	Rockwall
Fannin	Somervell
Grayson	Tarrant
Hood	Wise
Hunt	

Region 9 - Waco 254/751-0335	
Bell	Limestone
Bosque	Lampasas
Brazos	Leon
Burleson	Madison
Coryell	McLennan
Falls	Milam
Freestone	Mills
Grimes	Robertson
Hamilton	San Saba
Hill	Washington

Region 11 - Austin 512/339-2929	
Bastrop	Hays
Blanco	Lee
Burnet	Llano
Caldwell	Travis
Fayette	Williamson

Region 12 - Houston 713/767-3500	
Austin	Harris
Brazoria	Liberty
Chambers	Matagorda
Colorado	Montgomery
Fort Bend	Walker
Galveston	Waller
	Wharton

Region 13 - San Antonio 210/490-3096	
Atascosa	Karnes
Bandera	Kendall
Bexar	Kerr
Comal	Medina
Edwards	Real
Frio	Uvalde
Gillespie	Wilson
Guadalupe	

Table 3. Number of Permitted and Un-permitted Facilities by Quarry Type

Quarry Type	Number Permitted and (%)	Number Un-permitted and (%)
Dimension Stone	12 (55%)	10 (45%)
Crushed and Broken Stone	98 (86%)	16 (14%)
Sand and Gravel Mining (Construction)	83 (53%)	73 (47%)
Sand and Gravel Mining (Industrial)	3 (75%)	1 (25%)
Non-Rock Mining Facility	17 (85%)	3 (15%)
Total	213	103

During the initiative, the Construction Sand and Gravel Mining operations had the highest number and percentage of facilities without a permit. Facilities that did not require a permit are counted as part of the number permitted indicated for each quarry type.

Table 4. Notices of Violation by Region/SIC Code

Region	1411	1422 - 1429	1442	1446	1459	1499	1611	3273	3295
Abilene	3	8	1	0	0	0	0	0	0
Dallas/Ft. Worth	4	5	19	2	0	0	0	0	1
Waco	0	12	11	0	1	0	0	0	0
Austin	8	5	1	0	0	0	0	0	0
Houston	0	0	32	0	0	0	1	0	0
San Antonio	1	2	9	0	0	1	0	1	0
Total	16	32	73	2	1	1	1	1	1

TCEQ investigators issued Notices of Violation to 128 facilities. By far, the most NOVs (74) were issued to facilities with the SIC code 1442 (Construction Sand and Gravel). Many sand and gravel operations are located near water bodies which brings with it the necessity for control of sediment deposits. Houston and Dallas had the majority of these NOVs. A number of NOVs were also issued to facilities with SIC code 1422 (Crushed and Broken Limestone) and SIC code 1411 (Dimension Stone). Further breakdown of facilities by county that received NOVs are in Appendix C.

Table 5. NOVs, NOEs, and AG Referrals

Region	# Sites Investigated	# NOVs	#NOEs	# AG Referrals
Abilene	24	12	8	0
D/FW	73	31	9	6
Waco	70	24	13	0
Austin	48	14	2	0
Houston	52	33	0	0
San Antonio	49	14	6	0
Total	316	128	38	6

The Clear Streams Initiative resulted in 128 Notices of Violation (NOVs), 38 Notices of Enforcement (NOEs), and 6 referrals to the Office of the Attorney General. A NOV is defined as a written notification of violation to a regulated entity. A NOE is defined as a written notification for a regulated entity that a formal enforcement action has been initiated. Both notifications outline the violations identified as a result of the investigation. See Appendices C, D, and E for a complete discussion of the NOV, NOE, and AG referral information.

Table 6. Notices of Enforcement by Region/SIC Code

Region	1411	1422	1429	1442	2875	3273
Abilene	1	2	0	4	0	1
D/FW	2	2	0	5	0	0
Waco	2	1	1	9	0	0
Austin	0	0	0	2	0	0
Houston	0	0	0	0	0	0
San Antonio	0	0	0	5	1	0
Total by SIC	5	5	1	25	1	1
Grand Total	38					

Investigators issued a total of 38 NOEs with pending orders. Violations ranged from unauthorized discharges to no or inadequate BMPs as well as no or inadequate maintenance of BMPs. Again, as in the NOV table, facilities with SIC code 1442 (Sand and Gravel Mining) had the most number of NOEs (25). See Appendix D for details of the cases.

Most Common Operational Violation Was Lack of or No Best Management Practices (BMPs)

The results of the initiative revealed that the most common violation documented during the initiative was inadequate or no BMPs. These violations constituted 36% of all documented non-compliances at all facilities investigated during the initiative. The MSGP provides flexibility allowing facilities to choose BMPs that will be most effective for their site-specific conditions. BMPs can include structural controls such as:

- erosion controls (such as vegetative stabilization which prevent scour and keep soil from becoming mobile);
- sediment controls (such as silt fences intercept water flows and allow sediment to settle out),
- runoff controls,
- schedules of activities,
- prohibitions of practices,
- maintenance procedures; and
- other practices to prevent/reduce pollution of water bodies.

Investigators review a facility's storm water pollution prevention plan and all associated BMPs to ascertain completeness of the site plan. They usually inspect the BMPs on site during a field visit to confirm that the controls are properly installed. However, often the investigator has to wait until sufficient rains occur to have the opportunity to evaluate the effectiveness of the BMPs in preventing sediment from being discharged off-site.

Some of the BMP problems documented in the field during the initiative included:

- incorrect installation of controls
- improper design of controls (which failed to take into account site topography, gradient, proximity to water bodies, and historical rainfalls);
- failure to modify controls when facility expansion of operations occurred;
- Twelve violations were for no BMPs which resulted in sediment, aggregate, waste concrete, diesel, and stockpiled chat migrating off-site during storm events;
- Eight violations were for BMPs (specifically, rock berms) that were not installed properly or had improperly sized rock, thus sediment was bypassing these BMPs rendering them ineffective; and
- Other BMP violations included poorly maintained silt fences; soil erosion measures that were not in place on the banks of

a creek resulting in elevated TSS levels to the waterway; and berm failure resulting in sediment discharge.

Other Common Operational Violations

While the lack of adequate BMPs or no BMPs was by far the most common violation documented during the Clear Streams initiative and accounted for 35% of all violations, two other general operational violations were commonly documented. They were: (1) unauthorized discharges, which accounted for 22% of the violations and (2) failure to perform required monitoring as directed by the permit which accounted for 26% of the violations. These types of violations from mining facilities have the potential to cause significant impacts to receiving waters such as elevated levels of sediment and silt (TSS). See Appendix B for details.

Actions Taken to Resolve Issues of Non-Compliance

The TCEQ has a variety of tools available to address documented non-compliances identified during and following the Clear Streams Initiative. The following were employed:

- NOE letter and formal enforcement action if there was evidence of off-site unauthorized discharges to adjacent water bodies at any sites, permitted or un-permitted;
- NOE letter and formal enforcement action if the same or similar violations have been noted at the site in previous investigations;
- NOV letter at permitted sites where there was no evidence of an off-site unauthorized discharge;
- NOV letter and/or NOE letter and formal enforcement action at un-permitted sites where there was no evidence of an off-site discharge;
- OAG referral if multiple serious violations that clearly impacted receiving waters were documented at a site during the Clear Streams Initiative investigations.

To date, the TCEQ has issued:

- 128 Notices of Violation;
- 38 Notices of Formal Enforcement with pending orders;
- 3 temporary restraining orders in collaboration with the OAG;
- 2 temporary injunctions are being developed in collaboration with the OAG; and
- 1 case is being pursued for injunctive relief attorney's fees and penalties in collaboration with the OAG.

On-Going Activities to Evaluate Impacts to the Brazos River

A TCEQ inter-disciplinary team has been formed to evaluate the effects of mining and quarry operations on the Brazos River. The team consists of staff from the following areas: Field Operations Division - Dallas/Ft. Worth Regional Office; Water Quality Division - Water Quality Standards Team; Water Quality Division - Storm Water & Pretreatment Team; Environmental Planning and Implementation Division - TMDL Section; Monitoring Operations Division - Surface Water Quality Monitoring Team; and Waste Permits Division. Organization of such a diverse team has allowed the agency to take advantage of staff from various disciplines with a variety of knowledge and expertise to work together to reach an understanding of the complex processes and factors impacting the dynamics of the Brazos River.

On July 27 and 28, 2004, the team visited with the Brazos River Conservation Coalition (BRCC) and area residents along the Brazos River, in Palo Pinto County. The purpose of the trip was two-fold: (1) to introduce the team to the environmental concerns of area residents and (2) to view first hand the general conditions of the Brazos River in the Palo Pinto County area. The team sought input and participated in discussions with area residents and the BRCC on the water quality of the Brazos River, discharges from area mining and quarrying operations, and other wastewater discharges to the river. The team then boarded two airboats and toured the Brazos River from the Soda Springs area to approximately a mile upstream of the State Highway 281 bridge crossing, and traveled some distance up Palo Pinto Creek from the confluence with the Brazos River. The team noted the general character of water quality, sand/gravel bars, riparian habitat, substrates, and other features during this visit.

In future months this team will be utilized to develop, and review and comment on proposed regulatory controls for mining and quarrying operations in the state.

Findings

The concentrated investigation initiative on mining and quarry facilities in Texas resulted in identification of various degrees of water body impacts from mining activities. The review was conducted in the areas of the state where the predominance of quarry activities are taking place. Of the approximate 400 authorized quarry facilities statewide, the TCEQ inspected a little over half and approximately 100 unauthorized sites. The agency demonstrated its ability to narrowly define the criteria for investigation and identify facilities that, based on potential concern or actual documentation, needed to be included in the initiative. The initiative focused on compliance determination of the facilities identified with follow through that included appropriate enforcement action (including penalties and corrective action) to send a message in a rapid and efficient manner to facilities that were

polluting the state of Texas and hold them accountable. The TCEQ marshaled the efforts of 24 dedicated investigators over a four week period of intensive investigation which covered 62 counties in 6 TCEQ Regional Offices.

The initiative resulted in a total of 316 investigations performed which in turn resulted in 128 Notices of Violation, 38 Notices of Enforcement, and 6 referrals to the OAG. The total penalties assessed were \$1,017,080 with \$152,970 deferred and \$864,110 payable (Refer to Table D7 found in Appendix D for details). The deferral is an incentive for respondents to settle the case in an expeditious manner. If the respondents do not take advantage of this offer and do not settle within the time frame specified in their draft order, then the entire assessed penalty amount will be due. The actions currently underway will ensure that noncompliant mining facilities are brought back into compliance in a timely manner. As noted in the beginning of this report, the overall findings are that the waterways in the State of Texas are not significantly impacted by these activities. Inspectors noted and followed up a number of quarry activities that were directed discharging sediment into adjacent waterways, though this number was not significant and the problems noted were not rampant. TCEQ is fully capable of identifying the violators of the stormwater permit provisions, executing corrective and deterrent action, and taking such steps as are necessary to prevent further waterway erosion.

The results of this initiative serve to identify the limited extent of the quarry operation impact on the state's waterways and further serve to galvanize the industry, surrounding neighbors, and the agency staff to ensure appropriate controls and management practices are employed and information regarding these activities are shared by all.

Next Steps

The TCEQ has several projects underway at this time that will continue well into fiscal year 2005 and beyond. They include:

- Conducting follow-up investigations at all sites that were issued NOVs to ensure all violations are resolved by December 31, 2004.
- Conducting follow-up investigations at all sites with NOEs once the Commission Orders are issued to ensure all violations are resolved.
- Continuing an evaluation of the impacts to the Brazos River (discussed above) with a multi-disciplinary team.
- Performing a comprehensive assessment of facilities that pose an environmental risk on major rivers in the state.
- Continuing to meet with TPWD and the River Authorities across the state to encourage partnering to identify and address potential and actual causes of pollution to the rivers in Texas.
- Completing and reviewing protocols and processes for River Authorities to refer matters to the TCEQ.
- Developing a new Sand and Gravel general permit which will also include rock mining operations. Anticipated completion date is in early fiscal year 2005. A draft of this general permit is currently under review.
- Receiving notice of pending sand and gravel permits from from TPWD to allow TCEQ staff the opportunity to review and provide comments prior to permit issuance.
- Continuing the Clear Streams Initiative into fiscal year 2005 to inspect additional facilities not targeted and investigated during the 2004 phase of the initiative.

Appendix A

TABLE A1. CLEAR STREAMS ENFORCEMENT INITIATIVE VIOLATIONS SUMMARY

Operational Violations								Administrative Violations				
Region	Sites With Permits	No Permit	Un-authorized Discharge	No SWP3	In-adequate/ No BMP	No required Monitoring	TSS/pH Exceed-ance	Failure to do Annual Inspection	Failure to sample for metals	In-complete Records	No Inspection/ Maintenance of Controls	Facility Maintena nce
Abilene	15	9	4	0	11	3	0	8	3	7	5	4
DFW	46	27	5	2	5	3	0	6	11	10	6	0
Waco	48	22	0	3	1	1	0	9	3	4	9	0
Austin	38	10	4	0	2	0	0	6	3	9	2	0
Houston	27	25	3	1	2	9	3	2	3	15	5	0
San Antonio	39	10	0	2	4	3	0	2	1	5	0	0
Total	213*	103	16	8	25	19	3	33	24	50	27	4

* 50 of these sites did not require TCEQ authorization
163 were properly permitted

Appendix B

Clear Streams Investigations Detail Summary

ABILENE REGION

County **BROWN**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280133 TCEQ Action: NOE			
ROCK CRUSHER	1422	Crushed and Broken Limestone	No permit
Inv# 280650 TCEQ Action: NOV			
BROWNWOOD PLANT	1422	Crushed and Broken Limestone	No/inadequate description of activities that could contribute pollutants
BROWNWOOD PLANT	1422	Crushed and Broken Limestone	No annual inspection conducted
BROWNWOOD PLANT	1442	Crushed and Broken Limestone	Failure to prevent discharge of waste
BROWNWOOD PLANT	1442	Crushed and Broken Limestone	Poor housekeeping

County **CALLAHAN**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278082 TCEQ Action: NOV			
VULCAN CONSTRUCTION MATERIALS HIGGINS OPERATION	1422	Crushed and Broken Limestone	No/inadequate description of activities that could contribute pollutants
VULCAN CONSTRUCTION MATERIALS HIGGINS OPERATION	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
VULCAN CONSTRUCTION MATERIALS HIGGINS OPERATION	1422	Crushed and Broken Limestone	No/inadequate soil erosion measures
VULCAN CONSTRUCTION MATERIALS HIGGINS OPERATION	1422	Crushed and Broken Stone	No annual inspection conducted
VULCAN CONSTRUCTION MATERIALS HIGGINS OPERATION	1422	Crushed and Broken Stone	Poor housekeeping

Clear Streams Investigations Detail Summary

ABILENE REGION

County **CALLAHAN**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278702 TCEQ Action: NOV			
VULCAN CONSTRUCTION MATERIALS YATES OPERATION	1422	Crushed and Broken Limestone	No/inadequate description of activities that could contribute pollutants
VULCAN CONSTRUCTION MATERIALS YATES OPERATION	1422	Crushed and Broken Limestone	No/inadequate BMPs
VULCAN CONSTRUCTION MATERIALS YATES OPERATION	1422	Crushed and Broken Limestone	Poor housekeeping
VULCAN CONSTRUCTION MATERIALS YATES OPERATION	1422	Crushed and Broken Limestone	Failure to prevent discharge of waste
VULCAN CONSTRUCTION MATERIALS YATES OPERATION	1422	Crushed and Broken Limestone	Operating rock washing facility with inadequate retention control structures
Inv# 280829 TCEQ Action: NOV			
ABILENE BLACK LEASE OPERATION	1422	Crushed and Broken Limestone	No/inadequate description of activities that could contribute pollutants
ABILENE BLACK LEASE OPERATION	1422	Crushed and Broken Limestone	No/inadequate BMPs
ABILENE BLACK LEASE OPERATION	1422	Crushed and Broken Limestone	Failure to prevent discharge of waste
ABILENE BLACK LEASE OPERATION	1422	Crushed and Broken Limestone	Poor housekeeping
ABILENE BLACK LEASE OPERATION	1422	Crushed and Broken Limestone	Operating rock washing facility with inadequate retention control structures

Clear Streams Investigations Detail Summary

ABILENE REGION

County COLEMAN

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 278838 TCEQ Action: **NOV**

CSA MATERIALS ROCK CRUSHER EAGLE NO 2	1422	Crushed and Broken Limestone	No permit
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County COMANCHE

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 276545 TCEQ Action: **NOV**

PEC MATERIALS COMANCHE PIT	1442	Construction Sand and Gravel	No/inadequate listing of materials exposed to storm water pollutants
PEC MATERIALS COMANCHE PIT	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants
PEC MATERIALS COMANCHE PIT	1442	Construction Sand and Gravel	No annual inspection conducted
PEC MATERIALS COMANCHE PIT	1442	Construction Sand and Gravel	No hazardous metals sampling
PEC MATERIALS COMANCHE PIT	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted

County EASTLAND

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 276179 TCEQ Action: **General Compliance Letter**

H-R CRUSHER	1429	Crushed and Broken Stone	No Violation
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Clear Streams Investigations Detail Summary

ABILENE REGION

County EASTLAND

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277051 TCEQ Action: NOV			
VULCAN CONSTRUCTION MATERIALS LP EASTLAND QUARRY	1442	Construction Sand and Gravel	No/inadequate BMPs
VULCAN CONSTRUCTION MATERIALS LP EASTLAND QUARRY	1442	Construction Sand and Gravel	No hazardous metals sampling
VULCAN CONSTRUCTION MATERIALS LP EASTLAND QUARRY	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
Inv# 277378 TCEQ Action: NOE			
TRI-CITIES READY-MIX	3273	Ready-Mixed Concrete	Unauthorized discharge-industrial waste
TRI-CITIES READY-MIX	3273	Ready-Mixed Concrete	No/inadequate structural control maintenance records
TRI-CITIES READY-MIX	3273	Ready-Mixed Concrete	No/inadequate BMPs
TRI-CITIES READY-MIX	3273	Ready-Mixed Concrete	No annual inspection conducted

County HASKELL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277948 TCEQ Action: NOE			
PENDERGRAFT STONE	1442	Construction Sand and Gravel	No permit
Inv# 278134 TCEQ Action: NOE			
JH STRAIN & SONS BEAN PIT	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

ABILENE REGION

County JACK

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 276701 TCEQ Action: NOV			
P & S STONE SPRINGFIELD QUARRY	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
P & S STONE SPRINGFIELD QUARRY	1442	Construction Sand and Gravel	No/inadequate BMPs
P & S STONE SPRINGFIELD QUARRY	1442	Construction Sand and Gravel	No annual inspection conducted
P & S STONE SPRINGFIELD QUARRY	1442	Construction Sand and Gravel	No hazardous metals sampling
P & S STONE SPRINGFIELD QUARRY	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
Inv# 276854 TCEQ Action: NOE			
P & S STONE TD WILLIAMS	1422	Crushed and Broken Limestone	No permit

County JONES

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280688 TCEQ Action: NOV			
RE JANES GRAVEL PLANT NO 4	1422	Crushed and Broken Limestone	No permit

County MITCHELL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279899 TCEQ Action: NOE			
ROCK CRUSHER 1-LORAINÉ	1422	Crushed and Broken Limestone	No permit

Clear Streams Investigations Detail Summary

ABILENE REGION

County MITCHELL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280869 TCEQ Action: General Compliance Letter			
JONES BORS DIRT & PAVING NARRELL LORAIN PIT	1442	Construction Sand and Gravel	No/inadequate BMPs

County SHACKELFORD

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275229 TCEQ Action: NOV			
FEATHERLITE BUILDING PRODUCTS SWENSON 3	1411	Dimension Stone	No/inadequate structural control inspections/maintenance
FEATHERLITE BUILDING PRODUCTS SWENSON 3	1411	Dimension Stone	No annual inspection conducted
Inv# 275451 TCEQ Action: NOV			
FEATHERLITE BUILDING PRODUCTS WEBB LEASE	1411	Dimension Stone	No/inadequate structural control inspections/maintenance
FEATHERLITE BUILDING PRODUCTS WEBB LEASE	1411	Dimension Stone	No annual inspection conducted
Inv# 275516 TCEQ Action: NOE			
FEATHERLITE BUILDING PRODUCTS SWENSON HOGGY LEASE	1411	Dimension Stone	No permit

Clear Streams Investigations Detail Summary

ABILENE REGION

County SHACKELFORD

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275892 TCEQ Action: NOV			
FEATHERLITE BUILDING PRODUCTS MILL	1411	Dimension Stone	No/inadequate structural control inspections/maintenance
FEATHERLITE BUILDING PRODUCTS MILL	1411	Dimension Stone	No/inadequate BMPs
FEATHERLITE BUILDING PRODUCTS MILL	1411	Dimension Stone	No annual inspection conducted

County STEPHENS

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 276003 TCEQ Action: NOE			
PEC MATERIALS REID PIT	1442	Construction Sand and Gravel	No permit

County TAYLOR

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278759 TCEQ Action: General Compliance Letter			
EAGLE NO 1 CRUSHER	1422	Crushed and Broken Limestone	No Violation
Inv# 280702 TCEQ Action: General Compliance Letter			
VIEW PLANT	1442	Construction Sand and Gravel	No/inadequate BMPs

Clear Streams Investigations Detail Summary

AUSTIN REGION

County **BURNET**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 273033 TCEQ Action: General Compliance Letter			
J M HUBER-MARBLE FALLS MINE	1442	Construction Sand and Gravel	No Violation
Inv# 273037 TCEQ Action: General Compliance Letter			
J M HUBER CORPORATION	1422	Crushed and Broken Limestone	No Violation
Inv# 273038 TCEQ Action: General Compliance Letter			
HANSON AGGREGATES CENTRAL BURNET	1422	Crushed and Broken Limestone	No Violation
Inv# 273039 TCEQ Action: NOV			
CACTUS CANYON QUARRIES	1429	Crushed and Broken Stone	No permit
Inv# 273041 TCEQ Action: General Compliance Letter			
BURNET COUNTY QUARRY	1442	Construction Sand and Gravel	No annual inspection conducted
Inv# 275579 TCEQ Action: NOV			
COLD SPRING GRANITE SUNSET BEIGE QUARRY	1411	Dimension Stone	No/inadequate listing of materials exposed to storm water pollutants
COLD SPRING GRANITE SUNSET BEIGE QUARRY	1411	Dimension Stone	No/inadequate structural control maintenance records
COLD SPRING GRANITE SUNSET BEIGE QUARRY	1411	Dimension Stone	No annual inspection conducted
COLD SPRING GRANITE SUNSET BEIGE QUARRY	1411	Dimension Stone	No hazardous metals sampling

Clear Streams Investigations Detail Summary

AUSTIN REGION

County **BURNET**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275744 TCEQ Action: NOV			
TEXAS GRANITE	1429	Crushed and Broken Stone	No/inadequate listing of materials exposed to storm water pollutants
TEXAS GRANITE	1429	Crushed and Broken Stone	No annual inspection conducted
TEXAS GRANITE	1429	Crushed and Broken Stone	No hazardous metals sampling
TEXAS GRANITE	1429	Crushed and Broken Stone	No/inadequate structural control maintenance records
Inv# 275749 TCEQ Action: NOV			
TEXAS PINK QUARRY	1411	Dimension Stone	No/inadequate listing of materials exposed to storm water pollutants
TEXAS PINK QUARRY	1411	Dimension Stone	No/inadequate structural control maintenance records
TEXAS PINK QUARRY	1411	Dimension Stone	No annual inspection conducted
TEXAS PINK QUARRY	1411	Dimension Stone	No hazardous metals sampling
Inv# 276623 TCEQ Action: NOE			
COLLIER MATERIALS	1442	Construction Sand and Gravel	Unauthorized discharge of sediment
Inv# 276754 TCEQ Action: General Compliance Letter			
CAPITOL AGGREGATES DELTA MATERIALS	1429	Crushed and Broken Stone	No Violation
Inv# 281804 TCEQ Action: NOV			
BURNET QUARRY	1422	Crushed and Broken Limestone	No/inadequate BMPs

Clear Streams Investigations Detail Summary

AUSTIN REGION

County **FAYETTE**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 274791	TCEQ Action: General Compliance Letter		
MULLINS PRAIRIE PLANT	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
MULLINS PRAIRIE PLANT	1442	Construction Sand and Gravel	No annual inspection conducted
Inv# 276620	TCEQ Action: General Compliance Letter		
KERR MATERIALS	1442	Construction Sand and Gravel	No Violation
Inv# 276748	TCEQ Action: General Compliance Letter		
STEMCO	1442	Construction Sand and Gravel	No Violation
Inv# 277516	TCEQ Action: General Compliance Letter		
STEMCO MINE	1442	Construction Sand and Gravel	No Violation
Inv# 279928	TCEQ Action: General Compliance Letter		
ELLINGER ROCK CRUSHING PLANT	1442	Construction Sand and Gravel	No Violation

County **HAYS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 272954	TCEQ Action: General Compliance Letter		
POOL GRAVEL WORKS	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

AUSTIN REGION

County HAYS

Regulated Entity **SIC Code** **SIC Description** **Violation Description**

Inv# 273690 **TCEQ Action:** General Compliance Letter

LOWDEN CONSTRUCTION SAND GRAVEL 1442 Construction Sand and Gravel No Violation

Inv# 273770 **TCEQ Action:** General Compliance Letter

YARRINGTON ROAD MATERIALS LP 1442 Construction Sand and Gravel No Violation

County TRAVIS

Regulated Entity **SIC Code** **SIC Description** **Violation Description**

Inv# 272944 **TCEQ Action:** General Compliance Letter

SHUMAKER ENTERPRISES 1442 Construction Sand and Gravel No Violation

Inv# 272971 **TCEQ Action:** General Compliance Letter

GRAVEL PIT AT FM 973 & FM 969 AUSTIN 1442 Construction Sand and Gravel No Violation

Inv# 272982 **TCEQ Action:** General Compliance Letter

CAPITOL AGGREGATES LTD-CONCRETE BATCH PLANT 1442 Construction Sand and Gravel No Violation

Inv# 272986 **TCEQ Action:** General Compliance Letter

TXI OPERATIONS LP 1442 Construction Sand and Gravel No Violation

Inv# 273371 **TCEQ Action:** General Compliance Letter

M E RUBY 1422 Crushed and Broken Limestone No Violation

Clear Streams Investigations Detail Summary

AUSTIN REGION

County	TRAVIS		
<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 273694	TCEQ Action: General Compliance Letter		
OWEN SAND & GRAVEL	1422	Crushed and Broken Limestone	No Violation
Inv# 273772	TCEQ Action: General Compliance Letter		
AUSTIN RECLAIMED MATERIALS ROCK CRUSHER 1	1442	Construction Sand and Gravel	No Violation
Inv# 273791	TCEQ Action: General Compliance Letter		
TRAVIS AGGREGATES	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records
Inv# 273893	TCEQ Action: NOV		
DW702-ONION CREEK	1442	Construction Sand and Gravel	No permit
Inv# 274072	TCEQ Action: General Compliance Letter		
NAUMANN	1499	Miscellaneous Nonmetallic Minerals	No Violation
Inv# 275700	TCEQ Action: General Compliance Letter		
SHUMAKER ENTERPRISES DALTON LANE	1442	Construction Sand and Gravel	No Violation
Inv# 275701	TCEQ Action: General Compliance Letter		
MARCELOS SAND AND LOAM	1442	Construction Sand and Gravel	No Violation
Inv# 277871	TCEQ Action: General Compliance Letter		
CEMEX CONSTRUCTION MATERIALS LP	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

AUSTIN REGION

County **WILLIAMSON**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 274780 TCEQ Action: NOV ESPINOZA STONE PIT 1	1411	Dimension Stone	No permit
Inv# 274785 TCEQ Action: NOV ESPINOZA STONE PIT 2	1411	Dimension Stone	No permit
Inv# 274788 TCEQ Action: General Compliance Letter TEXAS CRUSHED STONE QUARRY GEORGETOWN PL	1422	Crushed and Broken Limestone	No/inadequate BMPs
TEXAS CRUSHED STONE QUARRY GEORGETOWN PL	1422	Crushed and Broken Limestone	No annual inspection conducted
TEXAS CRUSHED STONE QUARRY GEORGETOWN PL	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
Inv# 275559 TCEQ Action: General Compliance Letter VIKING CONSTRUCTION 102 SCREENING PLANT	1429	Crushed and Broken Stone	No Violation
Inv# 275567 TCEQ Action: NOV RTI HOT MIX NORTH ASPHALT PLANT	1422	Crushed and Broken Limestone	No permit
Inv# 275601 TCEQ Action: General Compliance Letter SOUTH TEXAS AGGREGATES ROCK CRUSHER 1	1422	Crushed and Broken Limestone	No Violation

Clear Streams Investigations Detail Summary

AUSTIN REGION

County **WILLIAMSON**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275676 TCEQ Action: General Compliance Letter			
GEORGETOWN QUARRY	1422	Crushed and Broken Limestone	No/inadequate structural control maintenance records
Inv# 276708 TCEQ Action: NOE			
ALAMO CONCRETE PRODUCTS	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records
ALAMO CONCRETE PRODUCTS	1442	Construction Sand and Gravel	Unauthorized discharge of sediment
Inv# 277622 TCEQ Action: NOV			
SIMPSONS SONS STONE QUARRY	1411	Dimension Stone	No permit
SIMPSONS SONS STONE QUARRY	1411	Dimension Stone	Unauthorized discharge of sediment
Inv# 277670 TCEQ Action: NOV			
J C EVANS PLANT 1	1422	Crushed and Broken Limestone	No permit
Inv# 277677 TCEQ Action: NOV			
J C EVANS PLANT 2	1422	Crushed and Broken Limestone	No permit
Inv# 277779 TCEQ Action: General Compliance Letter			
JESUS ESPINOZA	1411	Dimension Stone	No Violation
Inv# 277876 TCEQ Action: General Compliance Letter			
SHORT STONE	1422	Crushed and Broken Limestone	No Violation

Clear Streams Investigations Detail Summary

AUSTIN REGION

County WILLIAMSON

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278693	TCEQ Action: NOV		
RIVER STONE	1411	Dimension Stone	No permit
RIVER STONE	1411	Dimension Stone	Unauthorized discharge of sediment
Inv# 281665	TCEQ Action: NOV		
TEJAS QUALITY STONE CO	1411	Dimension Stone	No permit
Inv# 282553	TCEQ Action: General Compliance Letter		
WEIR RANCH QUARRY	1422	Crushed and Broken Limestone	No Violation

DFW REGION

County COLLIN

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279987	TCEQ Action: General Compliance Letter		
METRO STONE CO	1422	Crushed and Broken Limestone	No hazardous metals sampling
METRO STONE CO	1422	Crushed and Broken Limestone	Numeric effluent monitoring not conducted
Inv# 279988	TCEQ Action: General Compliance Letter		
METRO STONE 2	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

DFW REGION

County DALLAS

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 278679 TCEQ Action: NOV

GO CRETE 1442 Construction Sand and Gravel No permit

County DENTON

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 279014 TCEQ Action: General Compliance Letter

WEIR BROTHERS 1442 Construction Sand and Gravel No permit

County ELLIS

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 278818 TCEQ Action: NOV

HANSON AGGREGATES WEST 1442 Construction Sand and Gravel No hazardous metals sampling

Inv# 278824 TCEQ Action: NOV

MILL CREEK SAND PIT 1442 Construction Sand and Gravel No permit

Inv# 282276 TCEQ Action: General Compliance Letter

GILLESPIE SAND & GRAVEL 1442 Construction Sand and Gravel No Violation

Clear Streams Investigations Detail Summary

DFW REGION

County **FANNIN**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275914 TCEQ Action: General Compliance Letter			
MCCRAW MATERIALS	3273	Ready-Mixed Concrete	No Violation
Inv# 279387 TCEQ Action: General Compliance Letter			
TXI BELLS SVOY AGGREGATES OPERATION	1442	Construction Sand and Gravel	No annual inspection conducted
Inv# 279390 TCEQ Action: General Compliance Letter			
BOB MEALS SAND & GRAVEL INC	1442	Construction Sand and Gravel	No Violation

County **GRAYSON**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279384 TCEQ Action: NOV			
CIACCIO SAND PIT	1442	Construction Sand and Gravel	No permit
Inv# 279392 TCEQ Action: General Compliance Letter			
STRINGFELLOW	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

DFW REGION

County	HOOD			
<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>	
Inv# 278466	TCEQ Action: Office of the Attorney General Referral			
TEX SAND SILICA LTD	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants	
TEX SAND SILICA LTD	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance	
TEX SAND SILICA LTD	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records	
TEX SAND SILICA LTD	1442	Construction Sand and Gravel	Unauthorized discharge-process water	
Inv# 278659	TCEQ Action: NOV			
MCCRAW MATERIALS	1446	Industrial Sand	No permit	
Inv# 278747	TCEQ Action: NOV			
CLEBURNE SAND & GRAVEL PLANT	1442	Construction Sand and Gravel	No hazardous metals sampling	
Inv# 279381	TCEQ Action: NOE			
A & A STONE COMPANY	1422	Crushed and Broken Limestone	No permit	
Inv# 279382	TCEQ Action: NOV			
SQUAW CREEK QUARRY	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance	
SQUAW CREEK QUARRY	1422	Crushed and Broken Limestone	No/inadequate structural control maintenance records	
SQUAW CREEK QUARRY	1422	Crushed and Broken Limestone	No/inadequate BMPs	
SQUAW CREEK QUARRY	1422	Crushed and Broken Limestone	No annual inspection conducted	

Clear Streams Investigations Detail Summary

DFW REGION

County HOOD

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279542 TCEQ Action: NOV			
GRANBURY STONE	1411	Dimension Stone	No permit
Inv# 279555 TCEQ Action: NOV			
FORT WORTH CRUSHED STONE HOOD CO	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
FORT WORTH CRUSHED STONE HOOD CO	1422	Crushed and Broken Limestone	No hazardous metals sampling

County HUNT

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281895 TCEQ Action: NOV			
TRINITY MATERIALS INC PLANT 205	1442	Construction Sand and Gravel	No permit

County JOHNSON

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278610 TCEQ Action: NOE			
GOODSPEED SAND COMPANY	1442	Construction Sand and Gravel	No permit
Inv# 278955 TCEQ Action: NOV			
TRINITY MATERIALS PLANT 282	1422	Crushed and Broken Limestone	No permit

Clear Streams Investigations Detail Summary

DFW REGION

County **JOHNSON**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **281113** TCEQ Action: **General Compliance Letter**

TRINITY MATERIALS INC CLEBURNE 299	1429	Crushed and Broken Stone	No Violation
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County **KAUFMAN**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **279389** TCEQ Action: **General Compliance Letter**

PAPPYS SAND AND GRAVEL INC	1442	Construction Sand and Gravel	No Violation
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Inv# **280891** TCEQ Action: **General Compliance Letter**

MARTIN MARIETTA MATERIALS WILLIS POINT QUARRY	1422	Crushed and Broken Stone	No Violation
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Inv# **280930** TCEQ Action: **General Compliance Letter**

MARTIN MARIETTA MATERIALS TERRELL QUARRY	1422	Crushed and Broken	No Violation
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Inv# **281108** TCEQ Action: **General Compliance Letter**

ROCK SOLID CRUSHED STONE INC	1429	Crushed and Broken Stone	No Violation
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Inv# **281109** TCEQ Action: **General Compliance Letter**

ARMOR MATERIALS NO 1	1422	Crushed and Broken Limestone	No Violation
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Clear Streams Investigations Detail Summary

DFW REGION

County KAUFMAN

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281111 TCEQ Action: NOV			
QUALITY SAND	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
QUALITY SAND	1442	Construction Sand and Gravel	No hazardous metals sampling

County NAVARRO

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 282089 TCEQ Action: General Compliance Letter			
TRINITY MATERIALS VALLEY FARMS	1442	Construction Sand and Gravel	No Violation
Inv# 282126 TCEQ Action: General Compliance Letter			
PROPERTY OF JERRY STARK	1442	Construction Sand and Gravel	No Violation
Inv# 282248 TCEQ Action: General Compliance Letter			
SEVEN POINTS SAND & GRAVEL	1442	Construction Sand and Gravel	No Violation
Inv# 282423 TCEQ Action: NOV			
LONE STAR AGGREGATES LTD	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

DFW REGION

County PALO PINTO

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275908 TCEQ Action: Office of the Attorney General Referral			
METROPLEX QUARRY INC	1411	Dimension Stone	No/inadequate listing of materials exposed to storm water pollutants
METROPLEX QUARRY INC	1411	Dimension Stone	No/inadequate description of activities that could contribute pollutants
METROPLEX QUARRY INC	1411	Dimension Stone	No/inadequate BMPs
METROPLEX QUARRY INC	1411	Dimension Stone	Unauthorized discharge of sediment
Inv# 275918 TCEQ Action: NOV			
M&T NATURAL STONE	1411	Dimension Stone	No SWP3
M&T NATURAL STONE	1411	Dimension Stone	No/inadequate BMPs
Inv# 277964 TCEQ Action: NOE			
ASTELLO STONE	1411	Dimension Stone	No permit
Inv# 282251 TCEQ Action: General Compliance Letter			
MINERAL WELLS SAND AND GRAVEL	1429	Crushed and Broken Stone	No Violation

County PARKER

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277982 TCEQ Action: Office of the Attorney General Referral			
ALLIED STONE PRODUCTS	1429	Crushed and Broken Stone	Unauthorized discharge of process water
ALLIED STONE PRODUCTS	1429	Crushed and Broken Stone	No/inadequate BMPs

Clear Streams Investigations Detail Summary

DFW REGION

County **PARKER**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279302 TCEQ Action: NOE			
METRO BRICK AND STONE	1422	Crushed and Broken Limestone	No permit
Inv# 281117 TCEQ Action: NOV			
FORT WORTH CRUSHED STONE WEATHERFORD PLANT	1422	Crushed and Broken Limestone	No/inadequate structural control maintenance records
FORT WORTH CRUSHED STONE WEATHERFORD PLANT	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
Inv# 282537 TCEQ Action: General Compliance Letter			
ASSOCIATED CRUSHED STONE	1442	Construction Sand and Gravel	No Violation

County **SOMERVELL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278796 TCEQ Action: NOE			
LATTIMORE MATERIALS CO PLANT 42	1442	Construction Sand and Gravel	No permit
Inv# 280139 TCEQ Action: NOV			
LS RANCHES INC	1411	Dimension Stone	No permit
Inv# 280245 TCEQ Action: NOV			
PARKER RANCHES	1411	Dimension Stone	No permit

Clear Streams Investigations Detail Summary

DFW REGION

County **SOMERVELL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281114 TCEQ Action: NOV			
UNIMIN TEXAS COMPANY LP	1446	Industrial Sand	No/inadequate structural control inspections/maintenance
UNIMIN TEXAS COMPANY LP	1446	Industrial Sand	No annual inspection conducted
UNIMIN TEXAS COMPANY LP	1446	Industrial Sand	No hazardous metals sampling

County **TARRANT**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 275906 TCEQ Action: NOV			
DIRT TECH	1442	Construction Sand and Gravel	No hazardous metals sampling
DIRT TECH	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
Inv# 278180 TCEQ Action: General Compliance Letter			
SILVER CREEK MATERIALS RECOVERY FACILITY	1422	Crushed and Broken Limestone	No/inadequate description of activities that could contribute pollutants
SILVER CREEK MATERIALS RECOVERY FACILITY	1422	Crushed and Broken Limestone	No/inadequate BMPs
SILVER CREEK MATERIALS RECOVERY FACILITY	1422	Crushed and Broken Limestone	No/inadequate structural control maintenance records
SILVER CREEK MATERIALS RECOVERY FACILITY	1422	Crushed and Broken Limestone	No hazardous metals sampling

Clear Streams Investigations Detail Summary

DFW REGION

County **TARRANT**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278216 TCEQ Action: Office of the Attorney General Referral			
MCCAULEY DIRT INC	1442	Construction Sand and Gravel	Unauthorized discharge-mine dewatering
MCCAULEY DIRT INC	1442	Construction Sand and Gravel	No permit
Inv# 278612 TCEQ Action: NOE			
MANSFIELD SAND & SELECT	1442	Construction Sand and Gravel	No permit
Inv# 278773 TCEQ Action: General Compliance Letter			
DICKIE CARR SAND & GRAVEL INC	1442	Construction Sand and Gravel	No Violation
Inv# 278797 TCEQ Action: NOV			
COWTOWN EXCAVATING CO	1442	Construction Sand and Gravel	No annual inspection conducted
COWTOWN EXCAVATING CO	1442	Construction Sand and Gravel	No hazardous metals sampling
Inv# 278823 TCEQ Action: NOV			
BIG CITY CRUSHED CONCRETE	3295	Minerals & Earth, Ground & Treated	No permit
Inv# 278827 TCEQ Action: NOV			
METROPLEX SAND & GRAVEL LTD	1442	Construction Sand and Gravel	No permit
Inv# 278830 TCEQ Action: NOV			
HJG TRUCKING CO	1442	Construction Sand and Gravel	No permit

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DFW REGION

County **TARRANT**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279383 TCEQ Action: General Compliance Letter			
FINCHER BROTHERS SAND PIT	1442	Construction Sand and Gravel	No permit
Inv# 279385 TCEQ Action: NOV			
JOES SAND PIT - DICK PRICE RD SITE	1442	Construction Sand and Gravel	No SWP3
Inv# 279386 TCEQ Action: NOV			
CROUCH SAND AND GRAVEL	1442	Construction Sand and Gravel	No/inadequate listing of materials exposed to storm water pollutants
CROUCH SAND AND GRAVEL	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants
CROUCH SAND AND GRAVEL	1442	Construction Sand and Gravel	No annual inspection conducted
Inv# 279388 TCEQ Action: General Compliance Letter			
RECYCLED AGGREGATES	3295	Minerals & Earth, Ground & Treated	No Violation
Inv# 279391 TCEQ Action: General Compliance Letter			
MATBON SAND PLANT	1442	Construction Sand and Gravel	No Violation
Inv# 279393 TCEQ Action: General Compliance Letter			
JERECO MATERIALS	3295	Minerals & Earth, Ground & Treated	No Violation

Clear Streams Investigations Detail Summary

DFW REGION

County	WISE			
Regulated Entity	SIC Code	SIC Description	Violation Description	
Inv# 277976	TCEQ Action: Office of the Attorney General Referral			
AURORA MATERIALS LTD	1442	Construction Sand and Gravel	No permit	
AURORA MATERIALS LTD	1442	Construction Sand and Gravel	Unauthorized discharge-mine dewatering	
Inv# 278582	TCEQ Action: NOV			
TOPWAY PROPERTIES	1442	Construction Sand and Gravel	No permit	
Inv# 278764	TCEQ Action: General Compliance Letter			
ACME BRICK BRIDGEPORT PLANT	3251	Brick and Structural Clay Tile	No Violation	
Inv# 278778	TCEQ Action: General Compliance Letter			
PARADISE PLANT	1442	Construction Sand and Gravel	No Violation	
Inv# 278784	TCEQ Action: NOV			
TJL BOYD	1442	Construction Sand and Gravel	No annual inspection conducted	
TJL BOYD	1442	Construction Sand and Gravel	No hazardous metals sampling	
TJL BOYD	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted	
Inv# 278791	TCEQ Action: General Compliance Letter			
TXI-BRIDGEPORT CRUSHED STONE PLANT	1422	Crushed and Broken Limestone	No Violation	

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DFW REGION

County WISE

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278795 TCEQ Action: General Compliance Letter MARTIN MARIETTA MATERIALS CHICO BASE STONE PLANT	1422	Crushed and Broken Limestone	No Violation
Inv# 278798 TCEQ Action: General Compliance Letter LATTIMORE BRIDGEPORT LIMESTONE QUARRY	1442	Construction Sand and Gravel	No hazardous metals sampling
Inv# 278800 TCEQ Action: NOV CHICO LIMESTONE INC	1422	Crushed and Broken Limestone	No permit
Inv# 278816 TCEQ Action: General Compliance Letter TRINITY MATERIALS INC	1442	Construction Sand and Gravel	No Violation
Inv# 279665 TCEQ Action: NOE D & M EXCAVATING INC	1442	Construction Sand and Gravel	No permit
Inv# 282360 TCEQ Action: General Compliance Letter0 TRINITY STONE LP	1442	Construction Sand and Gravel	No Violation
Inv# 282494 TCEQ Action: NOV MATBON INC	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

HOUSTON REGION

County BRAZORIA

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 273938	TCEQ Action: NOV		
J B SERVICES CONSTRUCTION INC	1442	Construction Sand and Gravel	No permit
Inv# 277579	TCEQ Action: General Compliance Letter		
FRESNO SAND PIT	1442	Construction Sand and Gravel	No Violation
Inv# 278685	TCEQ Action: NOV		
BLACKWELL FILL AND SAND INC	1442	Construction Sand and Gravel	No permit
Inv# 278998	TCEQ Action: NOV		
JUSTICE SAND COMPANY	1442	Construction Sand and Gravel	No permit
Inv# 280150	TCEQ Action: NOV		
BLUE TOP SAND & FILL	1442	Construction Sand and Gravel	No permit
Inv# 280166	TCEQ Action: NOV		
FLORA SAND & FILL	1442	Construction Sand and Gravel	No permit
Inv# 280563	TCEQ Action: NOV		
ORCHARD SAND PIT	1442	Construction Sand and Gravel	No permit
Inv# 280579	TCEQ Action: NOV		
JEFFERS ROAD SAND PIT NO 4	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

HOUSTON REGION

County BRAZORIA

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281715 TCEQ Action: General Compliance Letter			
VERNOR MATERIAL PIT 2	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
VERNOR MATERIAL PIT 2	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records
Inv# 281953 TCEQ Action: General Compliance Letter			
VERNOR MATERIAL AND EQUIPMENT COMPANY-NORTH DIXIE DRIVE	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
VERNOR MATERIAL AND EQUIPMENT COMPANY-NORTH DIXIE DRIVE	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records
Inv# 282014 TCEQ Action: General Compliance Letter			
VERNOR MATERIAL & EQUIP CO INC	4212	Local Trucking Without Storage	No/inadequate structural control maintenance records
VERNOR MATERIAL & EQUIP CO INC	4212	Local Trucking Without Storage	No/inadequate structural control inspections/maintenance

County COLORADO

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280505 TCEQ Action: General Compliance Letter			
MULTISOURCES COLUMBUS PLANT	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

HOUSTON REGION

County FORT BEND

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 276142 TCEQ Action: **NOV**

INNER CITY SAND	1442	Construction Sand and Gravel	No permit
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Inv# 281392 TCEQ Action: **General Compliance Letter**

MADDEN SAND PIT	1442	Construction Sand and Gravel	No Violation
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Inv# 281717 TCEQ Action: **NOV**

JEFFERSON GROUP - FIRETHORN SUBDIVISION	1442	Construction Sand and Gravel	No permit
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County GALVESTON

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 274418 TCEQ Action: **NOV**

T BAR H TRUCKING AND TRACTOR SERVICES	1442	Construction Sand and Gravel	No permit
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Inv# 274491 TCEQ Action: **NOV**

RILEYS DIRT WORKS	1442	Construction Sand and Gravel	No permit
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Inv# 278143 TCEQ Action: **NOV**

BAULCH SAND PIT	1442	Construction Sand and Gravel	No permit
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Inv# 280148 TCEQ Action: **NOV**

DE LEON SAND & GRAVEL INC	1442	Construction Sand and Gravel	No permit
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HOUSTON REGION

County GALVESTON

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 280151 TCEQ Action: **NOV**

MORSE LAND DEVELOPMENT	1442	Construction Sand and Gravel	No permit
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Inv# 280184 TCEQ Action: **NOV**

CLEAR LAKE SAND	1442	Construction Sand and Gravel	No permit
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Inv# 282216 TCEQ Action: **NOV**

KELLY BRADLEY INC	1442	Construction Sand and Gravel	No permit
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Inv# 282379 TCEQ Action: **NOV**

FM 3005 @ 12 MILE ROAD	1442	Construction Sand and Gravel	No permit
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County HARRIS

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 273655 TCEQ Action: **General Compliance Letter**

GULF COAST LIMESTONE	5032	Brick, Stone and Related Construction Materials	No Violation
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Inv# 273728 TCEQ Action: **General Compliance Letter**

SOUTHERN CRUSHED CONCRETE	5093	Scrap and Waste Materials	No Violation
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Clear Streams Investigations Detail Summary

HOUSTON REGION

County **HARRIS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 274402 TCEQ Action: NOV			
BARKER CYPRESS SAND PIT	1442	Construction Sand and Gravel	Pollution Prevention Team
BARKER CYPRESS SAND PIT	1442	Construction Sand and Gravel	Non-Storm Water Discharges
BARKER CYPRESS SAND PIT	1442	Construction Sand and Gravel	Benchmark Monitoring Requirements
BARKER CYPRESS SAND PIT	1442	Construction Sand and Gravel	Pollution Prevention Measures and Controls
Inv# 275035 TCEQ Action: NOV			
FAIRBANKS SAND PIT	1442	Construction Sand and Gravel	Exceedence of TSS and/or pH effluent limits
FAIRBANKS SAND PIT	1442	Construction Sand and Gravel	Failure to document employee training
FAIRBANKS SAND PIT	1442	Construction Sand and Gravel	Incomplete benchmark monitoring
Inv# 275722 TCEQ Action: NOV			
WALKER SAND INC	1442	Construction Sand and Gravel	No permit
Inv# 276116 TCEQ Action: NOV			
MEGASAND PUGMILL HIGHLANDS CROSBY	1442	Construction Sand and Gravel	No permit
Inv# 276258 TCEQ Action: General Compliance Letter			
HIGHLANDS STABILIZE INC	9999	Nonclassifiable Establishments	No Violation
Inv# 276883 TCEQ Action: NOV			
ALMEDA SCHOOL RD SAND PIT	1442	Construction Sand and Gravel	No permit

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HOUSTON REGION

County **HARRIS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277322 TCEQ Action: NOV DALLAS ENTERPRISES INC	1442	Construction Sand and Gravel	No permit
Inv# 277733 TCEQ Action: NOV HOUSTON SAND PIT	1442	Construction Sand and Gravel	No/inadequate structural control maintenance records
HOUSTON SAND PIT	1442	Construction Sand and Gravel	No hazardous metals sampling
HOUSTON SAND PIT	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
Inv# 277925 TCEQ Action: NOV BLUEBONNET PIT	1442	Construction Sand and Gravel	Exceedence of TSS and/or pH effluent limits
Inv# 278384 TCEQ Action: General Compliance Letter RICHARDS TRUCKING COMPANY	1442	Construction Sand and Gravel	No Violation
Inv# 278477 TCEQ Action: General Compliance Letter SAVELL CONTRACTORS INC	9999	Nonclassifiable Establishments	No Violation
Inv# 280284 TCEQ Action: NOV KATY SAND PIT	1442	Construction Sand and Gravel	Exceedence of TSS and/or pH effluent limits

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HOUSTON REGION

County **HARRIS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280635 TCEQ Action: NOV			
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	No/inadequate listing of materials exposed to storm water pollutants
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	No annual inspection conducted
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	No hazardous metals sampling
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	Incomplete quarterly visual monitoring
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	Incomplete benchmark monitoring
WEATHERFORD DIRT - ROTHWOOD	1442	Construction Sand and Gravel	Failure to conduct employee training

Clear Streams Investigations Detail Summary

HOUSTON REGION

County **HARRIS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280648 TCEQ Action: NOV			
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	No/inadequate listing of materials exposed to storm water pollutants
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	No annual inspection conducted
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	No hazardous metals sampling
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	Incomplete quarterly visual monitoring
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	Incomplete benchmark monitoring
WEATHERFORD DIRT-KLUGE	1442	Construction Sand and Gravel	Failure to conduct employee training

Clear Streams Investigations Detail Summary

HOUSTON REGION

County **HARRIS**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **281403** **TCEQ Action: NOV**

RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	No SWP3
RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	No/inadequate listing of materials exposed to storm water pollutants
RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	No/inadequate description of activities that could contribute pollutants
RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	No/inadequate structural control inspections/maintenance
RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	No/inadequate BMPs
RECYCLED CONCRETE & ASPHALT	1611	Highway and Street Construction	Unauthorized discharge of used oil

Inv# **281911** **TCEQ Action: General Compliance Letter**

WEATHERFORD DIRT-HUFFMEISTER	1442	Construction Sand and Gravel	No Violation
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Inv# **281957** **TCEQ Action: General Compliance Letter**

SOUTHERN CRUSHED CONCRETE	1442	Construction Sand and Gravel	No/inadequate BMPs
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County **LIBERTY**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **275682** **TCEQ Action: NOV**

TXI SAND & GRAVEL	1442	Construction Sand and Gravel	No permit
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Clear Streams Investigations Detail Summary

HOUSTON REGION

County LIBERTY

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 276491 TCEQ Action: General Compliance Letter			
LATTIMORE MATERIALS DOLEN PLANT	1442	Construction Sand and Gravel	No Violation
Inv# 280598 TCEQ Action: General Compliance Letter			
HWY 59 AT EAST FORK OF SAN JACINTO RIVER	1442	Construction Sand and Gravel	No Violation
Inv# 281400 TCEQ Action: General Compliance Letter			
TXI	1611	Highway and Street Construction	No Violation
Inv# 281457 TCEQ Action: NOV			
TEXAS STERLING CONSTRUCTION LP	1442	Construction Sand and Gravel	No permit
TEXAS STERLING CONSTRUCTION LP	1442	Construction Sand and Gravel	Unauthorized discharge of diesel

County MONTGOMERY

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 273949 TCEQ Action: NOV			
QUALITY MATERIALS	1442	Construction Sand and Gravel	No permit
Inv# 278480 TCEQ Action: General Compliance Letter			
GILBERTO Q SOLIS	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

HOUSTON REGION

County **MONTGOMERY**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **280074** TCEQ Action: **General Compliance Letter**

K J PLUNKETT	1442	Construction Sand and Gravel	No Violation
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Inv# **280312** TCEQ Action: **General Compliance Letter**

WOODLANDS SAND AND GRAVEL	1442	Construction Sand and Gravel	No Violation
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Inv# **281489** TCEQ Action: **NOV**

LIBERTY MATERIALS	1442	Construction Sand and Gravel	No permit
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SAN ANTONIO REGION

County **ATASCOSA**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# **280263** TCEQ Action: **General Compliance Letter**

PALO ALTO SILICA SAND CO	1442	Construction Sand and Gravel	No Violation
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Inv# **280695** TCEQ Action: **General Compliance Letter**

POTEET SAND PLANT	1442	Construction Sand and Gravel	No Violation
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Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County **BEXAR**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 272631 TCEQ Action: General Compliance Letter HELOTES MATERIALS SITE	1422	Crushed and Broken Limestone	No Violation
Inv# 277220 TCEQ Action: General Compliance Letter QUARRY MATERIALS CORPORATION	1422	Crushed and Broken Limestone	No Violation
Inv# 277495 TCEQ Action: General Compliance Letter MARTIN MARIETTA MATERIALS SAN PEDRO PLANT	1422	Crushed and Broken Limestone	No Violation
Inv# 277904 TCEQ Action: General Compliance Letter BEDROCK QUARRY	1442	Construction Sand and Gravel	No Violation
Inv# 277936 TCEQ Action: General Compliance Letter ALAMO CONCRETE PRODUCTS	1422	Crushed and Broken Limestone	No Violation
Inv# 278197 TCEQ Action: General Compliance Letter CUSTOM EARTH PRODUCTS INC	1442	Construction Sand and Gravel	No Violation
Inv# 278363 TCEQ Action: General Compliance Letter ARROW MATERIALS	1422	Crushed and Broken Limestone	No Violation
Inv# 279182 TCEQ Action: NOV VULCAN HELOTES QUARRY	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted

Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County **BEXAR**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279801 TCEQ Action: NOV			
VULCAN MATERIALS CO	1442	Construction Sand and Gravel	No/inadequate soil erosion measures
VULCAN MATERIALS CO	1442	Construction Sand and Gravel	No annual inspection conducted
VULCAN MATERIALS CO	1442	Construction Sand and Gravel	No/inadequate BMPs
Inv# 280199 TCEQ Action: General Compliance Letter			
HELOTES MATERIALS	1442	Construction Sand and Gravel	No Violation
Inv# 281306 TCEQ Action: General Compliance Letter			
IH 10 BUILDING MATERIALS WHITWORTH QUARRY	1422	Crushed and Broken Limestone	No Violation
Inv# 282120 TCEQ Action: NOE			
PAVELKA JOHN	2875	Fertilizers	No permit
Inv# 282334 TCEQ Action: NOE			
OSBURN SAND CO	1442	Construction Sand and Gravel	No permit

County **COMAL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277356 TCEQ Action: General Compliance Letter			
MARTIN MARIETTA NEW BRAUNFELS QUARRY	1422	Crushed and Broken Limestone	No Violation

Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County **COMAL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277997 TCEQ Action: General Compliance Letter CIBOLO CREEK PIT	1429	Crushed and Broken Stone	No Violation
Inv# 278089 TCEQ Action: CIBOLO MATERIALS GRAVEL QUARRY	1422	Crushed and Broken Limestone	No Violation
Inv# 278150 TCEQ Action: General Compliance Letter HUNTER CEMENT PLANT	3241	Cement	No Violation
Inv# 278368 TCEQ Action: General Compliance Letter BRAUNTEX MATERIALS	2951	Asphalt Paving Mixtures and Blocks	No Violation
Inv# 281730 TCEQ Action: NOV COLORADO MATERIALS HUNTER PLANT 2	1422	Crushed and Broken Limestone	Incomplete site map
Inv# 281857 TCEQ Action: General Compliance Letter HANSON AGGREGATES WEST	2951	Asphalt Paving Mixtures and Blocks	No Violation
Inv# 282101 TCEQ Action: NOV LONE STAR RANCH	3273	Ready-Mixed Concrete	No storm water construction permit
Inv# 282436 TCEQ Action: NOE KC MATERIALS	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County **COMAL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 282626 TCEQ Action: NOV			
NACHODOCHES PIT	1442	Construction Sand and Gravel	No permit

County **GILLESPIE**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278032 TCEQ Action: NOV			
WEIRICH BROTHERS HWY 16	1442	Construction Sand and Gravel	No SWP3 onsite and/or available
Inv# 278034 TCEQ Action: NOV			
WEIRICH BROS BOERNER PIT	1442	Construction Sand and Gravel	No SWP3 onsite and/or available
Inv# 279886 TCEQ Action: NOE			
PENICK QUARRY	1442	Construction Sand and Gravel	No permit
Inv# 280265 TCEQ Action: NOV			
COLD SPRING GRANITE RADIANT RED QUARRY	1411	Dimension Stone	No/inadequate listing of materials exposed to storm water pollutants
COLD SPRING GRANITE RADIANT RED QUARRY	1411	Dimension Stone	Incomplete benchmark monitoring
COLD SPRING GRANITE RADIANT RED QUARRY	1411	Dimension Stone	No annual inspection conducted
COLD SPRING GRANITE RADIANT RED QUARRY	1411	Dimension Stone	No hazardous metals sampling

Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County GILLESPIE

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281336 TCEQ Action: NOV			
STANDARD GYPSUM CORPORATION	1499	Miscellaneous Nonmetallic Minerals	No/inadequate listing of materials exposed to storm water pollutants
STANDARD GYPSUM CORPORATION	1499	Miscellaneous Nonmetallic Minerals	Incomplete benchmark monitoring
STANDARD GYPSUM CORPORATION	1499	Miscellaneous Nonmetallic Minerals	Incomplete site map

County GUADALUPE

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 278452 TCEQ Action: General Compliance Letter			
COLORADO MATERIALS	1442	Construction Sand and Gravel	No Violation
Inv# 278573 TCEQ Action: General Compliance Letter			
ACME BRICK HIGHSMITH PIT	1459	Clay	No Violation
Inv# 278675 TCEQ Action: General Compliance Letter			
SANDLIN SHARON K	1422	Crushed and Broken Limestone	No Violation
Inv# 282247 TCEQ Action: NOE			
MESUJO SOUTH	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County KENDALL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 281401 TCEQ Action: **General Compliance Letter**

KNEUPPER RANCH	1442	Construction Sand and Gravel	No Violation
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Inv# 281629 TCEQ Action: **General Compliance Letter**

QUARRY FM 1376 N OF SISTERDALE	1422	Crushed and Broken Limestone	No Violation
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Inv# 281807 TCEQ Action: **NOV**

SCHEELE BROTHERS RANCH QUARRY	1442	Construction Sand and Gravel	No permit
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Inv# 282430 TCEQ Action: **NOE**

KELLY PIT QUARRY	1442	Construction Sand and Gravel	No permit
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County KERR

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 278732 TCEQ Action: **General Compliance Letter**

SOUTH TEXAS AGGREGATES AULD PLANT	1442	Construction Sand and Gravel	No Violation
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Inv# 278792 TCEQ Action: **General Compliance Letter**

GOSS PIT	1442	Construction Sand and Gravel	No Violation
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Inv# 281931 TCEQ Action: **NOV**

DRYMALA SAND AND GRAVEL	1442	Construction Sand and Gravel	No permit
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Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County MEDINA

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 272632 TCEQ Action: **NOV**

NICKLES QUARRY	1442	Construction Sand and Gravel	No permit
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Inv# 272634 TCEQ Action: **General Compliance Letter**

VULCAN CONSTRUCTION GERONIMO OPERATION	1422	Crushed and Broken Limestone	No Violation
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Inv# 277376 TCEQ Action: **NOV**

ALAMO RESERVE QUARRY	1422	Crushed and Broken Limestone	No/inadequate BMPs
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Inv# 277901 TCEQ Action: **General Compliance Letter**

INGRAM READY MIX PLANT 5 HONDO	3273	Ready-Mixed Concrete	No Violation
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Inv# 278736 TCEQ Action: **General Compliance Letter**

SOUTH TEXAS AGGREGATES RIO MEDINA PLANT	1442	Construction Sand and Gravel	No Violation
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Inv# 281140 TCEQ Action: **General Compliance Letter**

C&K MATERIALS	1442	Construction Sand and Gravel	No Violation
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County UVALDE

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 277197 TCEQ Action: **General Compliance Letter**

LEONA ROCK QUARRY	1429	Crushed and Broken Stone	No Violation
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Clear Streams Investigations Detail Summary

SAN ANTONIO REGION

County UVALDE

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 281698 TCEQ Action: **NOV**

CHAPMAN PLANT 1442 Construction Sand and Gravel No/inadequate BMPs

WACO REGION

County BELL

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 277239 TCEQ Action: **NOV**

MILLER PIT 1422 Crushed and Broken Limestone No/inadequate structural control inspections/maintenance

MILLER PIT 1422 Crushed and Broken Limestone No annual inspection conducted

Inv# 278349 TCEQ Action: **NOV**

FRANKLIN INDUSTRIAL MINERALS-
NOLANVILLE MINE 1422 Crushed and Broken Limestone No/inadequate structural control maintenance records

FRANKLIN INDUSTRIAL MINERALS-
NOLANVILLE MINE 1422 Crushed and Broken Limestone No hazardous metals sampling

Inv# 278549 TCEQ Action: **General Compliance Letter**

TRINITY MATERIALS PLANT 154 1442 Construction Sand and Gravel No Violation

Clear Streams Investigations Detail Summary

WACO REGION

County **BELL**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280692 TCEQ Action: NOV			
KILLEEN CRUSHED STONE	1429	Crushed and Broken Stone	No/inadequate structural control maintenance records
KILLEEN CRUSHED STONE	1429	Crushed and Broken Stone	No annual inspection conducted
Inv# 281123 TCEQ Action: General Compliance Letter			
YOUNGSPORT WASHER FAC	1422	Crushed and Broken Limestone	No Violation
Inv# 281124 TCEQ Action: NOE			
SALADO QUARRY	1411	Dimension Stone	No permit
Inv# 281131 TCEQ Action: General Compliance Letter			
SUNSHINE SAND & GRAVEL	1442	Construction Sand and Gravel	No Violation
Inv# 281133 TCEQ Action: General Compliance Letter			
CALLAHAN SULLIVAN ROAD PIT	1442	Construction Sand and Gravel	No Violation
Inv# 281136 TCEQ Action: NOE			
APACHE STONE	1411	Dimension Stone	No permit

Clear Streams Investigations Detail Summary

WACO REGION

County **BOSQUE**

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281104 TCEQ Action: NOV			
WHITNEY PLANT	1442	Construction Sand and Gravel	No annual inspection conducted
WHITNEY PLANT	1442	Construction Sand and Gravel	No hazardous metals sampling
WHITNEY PLANT	1442	Construction Sand and Gravel	Numeric effluent monitoring not conducted
Inv# 281995 TCEQ Action: General Compliance Letter			
KOPPERL PLANT NO 2034	1442	Construction Sand and Gravel	No Violation
Inv# 282150 TCEQ Action: General Compliance Letter			
UNION HILL SAND AND GRAVEL	1442	Construction Sand and Gravel	No Violation
Inv# 282214 TCEQ Action: General Compliance Letter			
RAYMOND CREEK SAND AND GRAVEL	1442	Construction Sand and Gravel	No Violation
Inv# 282409 TCEQ Action: General Compliance Letter			
CLIFTON LIME PLANT	3274	Lime	No Violation
Inv# 282420 TCEQ Action: General Compliance Letter			
BOSQUE PLANT NO 298	1442	Construction Sand and Gravel	No Violation

Clear Streams Investigations Detail Summary

WACO REGION

County BRAZOS

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279246 TCEQ Action: NOV			
HANSON AGGREGATES BART RD BRYAN	1442	Construction Sand and Gravel	No/inadequate BMPs
HANSON AGGREGATES BART RD BRYAN	1442	Construction Sand and Gravel	Failure to declare inactive status
Inv# 279879 TCEQ Action: NOV			
LACY WELLS SAND & GRAVEL PIT	1442	Construction Sand and Gravel	No permit
Inv# 280200 TCEQ Action: General Compliance Letter			
COLORADO MATERIALS	5032	Brick, Stone and Related Construction Materials	No Violation
Inv# 281134 TCEQ Action: NOV			
HANSON AGGREGATES WEST	1442	Construction Sand and Gravel	Failure to declare inactive status
Inv# 281471 TCEQ Action: General Compliance Letter			
BATCH PLANT NUMBER 4	3273	Ready-Mixed Concrete	No Violation
Inv# 282061 TCEQ Action: General Compliance Letter			
YOUNG BROTHERS BRYAN PLANT	2951	Asphalt Paving Mixtures and Blocks	No Violation
Inv# 282122 TCEQ Action: General Compliance Letter			
YOUNG BROTHERS	2951	Asphalt Paving Mixtures and Blocks	No Violation

Clear Streams Investigations Detail Summary

WACO REGION

County BURLESON

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277392 TCEQ Action: General Compliance Letter JIMMIE HAHN READY MIX	1442	Construction Sand and Gravel	No SWP3 onsite and/or available
Inv# 281137 TCEQ Action: General Compliance Letter MINING HARD ROCK	1429	Crushed and Broken Stone	No Violation
Inv# 282568 TCEQ Action: NOE ORLANDOS SAND AND FILL DIRT	1442	Construction Sand and Gravel	No permit

County CORYELL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280545 TCEQ Action: General Compliance Letter CLAYTON AGGREGATE	1422	Crushed and Broken Limestone	No Violation

County FALLS

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279042 TCEQ Action: NOE YOUNG CONTRACTORS MITCHELL PIT	1442	Construction Sand and Gravel	No permit
Inv# 281906 TCEQ Action: NOE FROST CRUSHED STONE KOENIG PIT	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

WACO REGION

County FALLS

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 282625 TCEQ Action: **NOV**

FROST CRUSHED STONE STEELE PIT	1422	Crushed and Broken Limestone	No permit
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County GRIMES

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 281628 TCEQ Action: **General Compliance Letter**

BEST MATERIALS	3273	Ready-Mixed Concrete	No Violation
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County HILL

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
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Inv# 282237 TCEQ Action: **NOV**

ARNOLD CRUSHED STONE	1422	Crushed and Broken Limestone	No permit
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Inv# 282250 TCEQ Action: **NOV**

MAVERICK MATERIALS LLC	1442	Construction Sand and Gravel	No permit
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Inv# 282370 TCEQ Action: **General Compliance Letter**

RATTLER ROCK INC	1611	Highway and Street Construction	No Violation
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Clear Streams Investigations Detail Summary

WACO REGION

County	LIMESTONE		
Regulated Entity	SIC Code	SIC Description	Violation Description
Inv# 275959 TCEQ Action: NOV			
VULCAN CONSTRUCTION MATERIALS GROESBECK OPERATION	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
Inv# 276782 TCEQ Action: NOV			
HONEST RIDGE PLANT	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
HONEST RIDGE PLANT	1422	Crushed and Broken Limestone	No annual inspection conducted
Inv# 276934 TCEQ Action: NOV			
HANSON AGGREGATES MEXIA PIT	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
HANSON AGGREGATES MEXIA PIT	1422	Crushed and Broken Limestone	No annual inspection conducted
Inv# 277397 TCEQ Action: NOV			
DOUGLAS L BARR DBA TEXAS ROCK	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
DOUGLAS L BARR DBA TEXAS ROCK	1422	Crushed and Broken Limestone	No annual inspection conducted
Inv# 277646 TCEQ Action: NOE			
REDLAND PIT AND ROCK CRUSHING PLANT	1422	Crushed and Broken Limestone	No permit
Inv# 280398 TCEQ Action: General Compliance Letter			
HANSON AGGREGATES WEST INC CONNORS PLT	1422	Crushed and Broken Limestone	No Violation

Clear Streams Investigations Detail Summary

WACO REGION

County Limestone

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 281141 TCEQ Action: NOV TEXAS SPORTS SANDS	1442	Construction Sand and Gravel	No permit
Inv# 281230 TCEQ Action: General Compliance Letter VULCAN MATERIALS KOSSE PIT	1422	Crushed and Broken Limestone	No Violation
Inv# 281521 TCEQ Action: NOV VULCAN CONSTRUCTION MATERIALS TEHUACANA	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
Inv# 281693 TCEQ Action: NOV YOUNG MATERIALS MADDOX PIT	1422	Crushed and Broken Limestone	No SWP3 onsite and/or available
Inv# 282253 TCEQ Action: NOV LEHIGH CEMENT KOSSE CLAY PIT	1459	Clay	No/inadequate structural control inspections/maintenance
LEHIGH CEMENT KOSSE CLAY PIT	1459	Clay	No annual inspection conducted

County McLennan

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 277046 TCEQ Action: NOV DELMAR MATERIALS	1422	Crushed and Broken Limestone	No/inadequate structural control inspections/maintenance
DELMAR MATERIALS	1422	Crushed and Broken Limestone	No annual inspection conducted

Clear Streams Investigations Detail Summary

WACO REGION

County	MCLENNAN			
Regulated Entity	SIC Code	SIC Description	Violation Description	
Inv# 277977	TCEQ Action: NOE			
MONCUS PIT 2	1442	Construction Sand and Gravel	No permit	
Inv# 278102	TCEQ Action: NOV			
MINE SERVICE BADGER RANCH	1442	Construction Sand and Gravel	No/inadequate listing of materials exposed to storm water pollutants	
MINE SERVICE BADGER RANCH	1442	Construction Sand and Gravel	No/inadequate description of activities that could contribute pollutants	
MINE SERVICE BADGER RANCH	1442	Construction Sand and Gravel	No/inadequate structural control inspections/maintenance	
MINE SERVICE BADGER RANCH	1442	Construction Sand and Gravel	No annual inspection conducted	
MINE SERVICE BADGER RANCH	1442	Construction Sand and Gravel	No hazardous metals sampling	
Inv# 278799	TCEQ Action: General Compliance Letter			
HANSON AGGREGATES WEST WACO PLANT	1422	Crushed and Broken Limestone	No Violation	
Inv# 279091	TCEQ Action: General Compliance Letter			
FM 1860 SITE	3531	Construction Machinery and Equipment	No Violation	
Inv# 279139	TCEQ Action: General Compliance Letter			
HIRSCH PIT	1442	Construction Sand and Gravel	No Violation	
Inv# 279140	TCEQ Action: General Compliance Letter			
701 SOUTH LOOP 340	2951	Asphalt Paving Mixtures and Blocks	No Violation	

Clear Streams Investigations Detail Summary

WACO REGION

County MCLENNAN

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 279141 TCEQ Action: General Compliance Letter WACO PIT 174	1442	Construction Sand and Gravel	No Violation
Inv# 280912 TCEQ Action: NOV JACKSON PIT 102	1442	Construction Sand and Gravel	No permit
Inv# 281000 TCEQ Action: General Compliance Letter ASA PIT	1442	Construction Sand and Gravel	No SWP3 onsite and/or available
Inv# 281925 TCEQ Action: General Compliance Letter PIT FM 3400	1442	Construction Sand and Gravel	No Violation
Inv# 282474 TCEQ Action: General Compliance Letter DARNELL & DEBAULT PIT	9999	Nonclassifiable Establishments	No Violation
Inv# 282502 TCEQ Action: General Compliance Letter DONALDSON SAND GRAVEL	1422	Crushed and Broken Limestone	No Violation

County MILAM

<i>Regulated Entity</i>	<i>SIC Code</i>	<i>SIC Description</i>	<i>Violation Description</i>
Inv# 280080 TCEQ Action: NOE TEXCON MATERIALS PETTIBONE PLANT	1442	Construction Sand and Gravel	No permit

Clear Streams Investigations Detail Summary

WACO REGION

County MILAM

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# 280374	TCEQ Action: NOE			
KENNETH WILLY SAND & GRAVEL PIT	1442	Construction Sand and Gravel	No permit	
Inv# 280994	TCEQ Action: NOE			
MINERVA PIT	1442	Construction Sand and Gravel	No permit	
Inv# 281132	TCEQ Action: General Compliance Letter			
MAYSFIELD CREEK PIT MSGP	1442	Construction Sand and Gravel	No Violation	
Inv# 281166	TCEQ Action: General Compliance Letter			
2R SAND & GRAVEL PITS	1442	Construction Sand and Gravel	No Violation	
Inv# 281520	TCEQ Action: NOV			
TIMBERLAND RESOURCES	1442	Construction Sand and Gravel	No permit	
Inv# 281898	TCEQ Action: NOV			
BOYD SAND & GRAVEL	1442	Construction Sand and Gravel	No permit	
Inv# 282310	TCEQ Action: General Compliance Letter			
WAMPUM GRAVEL	1442	Construction Sand and Gravel	No Violation	

Clear Streams Investigations Detail Summary

WACO REGION

County ROBERTSON

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# **278942** TCEQ Action: **NOV**

HEARNE PLANT FM 50 1442 Construction Sand and Gravel No permit

Inv# **282303** TCEQ Action: **NOE**

BEST MATERIALS 1442 Construction Sand and Gravel No permit

Inv# **282621** TCEQ Action: **NOE**

S & S SAND PIT 1442 Construction Sand and Gravel No permit

County WASHINGTON

Regulated Entity *SIC Code* *SIC Description* *Violation Description*

Inv# **281138** TCEQ Action: **General Compliance Letter**

SUPERIOR MATERIALS 9999 Unclassifiable No Violation

Inv# **281302** TCEQ Action: **NOE**

ROCK CRUSHER 1 1429 Crushed and Broken Limestone No permit

Appendix C

Table C1. Notices of Violation (NOV) - Summary

Region - Abilene

Region Total: 12

<i><u>Investigation date</u></i>	<i><u>NOV Date</u></i>	<i><u>SIC/Description</u></i>	<i><u>County</u></i>	<i><u>Regulated Entity</u></i>
6/2/04	07/15/2004	1422/Crushed and Broken Limestone	Brown	Brownwood Plant
5/27/04	06/30/2004	1422/Crushed and Broken Limestone	Callahan	Vulcan Construction Materials Higgins
5/27/04	07/15/2004	1422/Crushed and Broken Limestone	Callahan	Vulcan Construction Materials Yates
6/3/04	07/16/2004	1422/Crushed and Broken Limestone	Callahan	Abilene Black Lease Operation
5/26/04	07/07/2004	1422/Crushed and Broken Limestone	Coleman	CSA Materials Rock Crusher Eagle No. 2
5/20/04	06/21/2004	1442/Construction Sand and Gravel	Comanche	PEC Materials Comanche Pit
5/25/04	06/23/2004	1422/Crushed and Broken Limestone	Eastland	Vulcan Construction Materials LP Eastland Quarry
5/24/04	06/22/2004	1422/Crushed and Broken Limestone	Jack	P & S Stone Springfield Quarry
6/3/04	07/15/2004	1422/Crushed and Broken Limestone	Jones	RE Janes Gravel Plant No 4
5/17/04	06/14/2004	1411/Dimension Stone	Shackelford	Featherlite Building Products Webb Lease
5/17/04	06/16/2004	1411/Dimension Stone	Shackelford	Featherlite Building Products Mill
5/17/04	06/14/2004	1411/Dimension Stone	Shackelford	Featherlite Building Products Swenson 3

Table C2. Notices of Violation (NOV) - Summary

Region - Waco
Region Total: 24

<u>Investigation Date</u>	<u>NOV Date</u>	<u>SIC/Description</u>	<u>County</u>	<u>Regulated Entity</u>
6/1/04	07/07/2004	1422/Crushed and Broken Limestone	Bell	Franklin Industrial Minerals-Nolanville Mine
5/18/04	06/30/2004	1422/Crushed and Broken Limestone	Bell	Miller Pit
6/2/04	07/16/2004	1429/Crushed and Broken Stone	Bell	Killeen Crushed Stone
6/1/04	07/12/2004	1442/Construction Sand and Gravel	Bosque	Whitney Plant
6/2/04	07/14/2004	1442/Construction Sand and Gravel	Brazos	Hanson Aggregates West
6/3/04	07/16/2004	1442/Construction Sand and Gravel	Brazos	Lacy Wells Sand & Gravel Pit
6/2/04	07/16/2004	1442/Construction Sand and Gravel	Brazos	Hanson Aggregates Bart Rd Bryan
6/3/04	07/16/2004	1422/Crushed and Broken Limestone	Falls	Frost Crushed Stone Steele Pit
6/2/04	07/16/2004	1422/Crushed and Broken Limestone	Hill	Arnold Crushed Stone
6/1/04	07/16/2004	1442/Construction Sand and Gravel	Hill	Maverick Materials LLC
5/17/04	06/28/2004	1422/Crushed and Broken Limestone	Limestone	Honest Ridge Plant
5/17/04	06/23/2004	1422/Crushed and Broken Limestone	Limestone	Vulcan Construction Materials Groesbeck
5/17/04	06/29/2004	1422/Crushed and Broken Limestone	Limestone	Hanson Aggregates Mexia Pit
5/18/04	06/29/2004	1422/Crushed and Broken Limestone	McLennan	Delmar Materials
6/9/04	07/16/2004	1422/Crushed and Broken Limestone	Limestone	Vulcan Construction Materials Tehuacana
5/25/04	07/01/2004	1422/Crushed and Broken Limestone	Limestone	Douglas L Barr DbA Texas Rock
6/8/04	7/16/04	1459/Clay	Limestone	Lehigh Cement Co. Kosse Pit
6/9/04	07/16/2004	1422/Crushed and Broken Limestone	Limestone	Young Materials Maddox Pit
6/8/04	07/16/2004	1442/Construction Sand and Gravel	Limestone	Texas Sports Sands
5/26/04	07/07/2004	1442/Construction Sand and Gravel	McLennan	Mine Service Badger Ranch
5/27/04	07/12/2004	1442/Construction Sand and Gravel	McLennan	Jackson Pit 102
6/3/04	07/14/2004	1442/Construction Sand and Gravel	Milam	Boyd Sand & Gravel
6/4/04	07/14/2004	1442/Construction Sand and Gravel	Milam	Timberland Resources
6/3/04	07/16/2004	1442/Construction Sand and Gravel	Robertson	Hearne Plant Fm 50

Table C3. Notices of Violation (NOV) - Summary

Region - Dallas/Fort Worth

Region Total: 31

<i>Investigation Date</i>	<i>NOV Date</i>	<i>SIC/Description</i>	<i>County</i>	<i>Regulated Entity</i>
6/2/04	07/06/2004	1442/Construction Sand and Gravel	Dallas	Go Crete
6/2/04	07/06/2004	1442/Construction Sand and Gravel	Ellis	Mill Creek Sand Pit
6/9/04	07/16/2004	1442/Construction Sand and Gravel	Ellis	Hanson Aggregates West
5/19/04	07/15/2004	1442/Construction Sand and Gravel	Fannin	TXI Bells Savoy Aggregates Operation
6/8/04	07/08/2004	1442/Construction Sand and Gravel	Grayson	Ciaccio Sand Pit
5/20/04	06/30/2004	1442/Construction Sand and Gravel	Hood	Cleburne Sand & Gravel Plant
5/27/04	07/06/2004	1422/Crushed and Broken Limestone	Hood	Fort Worth Crushed Stone Hood Co
5/25/04	07/06/2004	1411/Dimension Stone	Hood	Granbury Stone
5/19/04	06/30/2004	1446/Industrial Sand	Hood	McCraw Materials
5/25/04	07/06/2004	1422/Crushed and Broken Limestone	Hood	Squaw Creek Quarry
5/21/04	07/14/2004	1442/Construction Sand and Gravel	Hunt	Trinity Materials Inc Plant 205
5/20/04	07/06/2004	1422/Crushed and Broken Limestone	Johnson	Trinity Materials Plant 282
6/4/04	07/12/2004	1442/Construction Sand and Gravel	Kaufman	Quality Sand
6/3/04	07/16/2004	1442/Construction Sand and Gravel	Navarro	Lone Star Aggregates Ltd
6/4/04	07/15/2004	1411/Dimension Stone	Palo Pinto	M&T Natural Stone
6/17/04	07/12/2004	1422/Crushed and Broken Limestone	Parker	Fort Worth Crushed Stone Weatherford Plant
6/1/04	07/07/2004	1411/Dimension Stone	Somervell	Ls Ranches Inc
6/2/04	07/07/2004	1411/Dimension Stone	Somervell	Parker Ranches
6/7/04	07/12/2004	1446/Industrial Sand	Somervell	Unimin Texas Company LP
5/26/04	07/08/2004	1442/Construction Sand and Gravel	Tarrant	Fincher Brothers Sand Pit
5/17/04	06/29/2004	1442/Construction Sand and Gravel	Tarrant	Dirt Tech

Table C4. Notices of Violation (NOV) - Summary

Region - Dallas/Fort Worth

Region Total: 31

<i>Investigation Date</i>	<i>NOV Date</i>	<i>SIC/Description</i>	<i>County</i>	<i>Regulated Entity</i>
6/7/04	07/06/2004	1442/Construction Sand and Gravel	Tarrant	HJG Trucking Co
5/28/04	07/06/2004	3295/Waste Concrete Crushing	Tarrant	Big City Crushed Concrete
5/27/04	07/08/2004	1442/Construction Sand and Gravel	Tarrant	Joe's Sand Pit - Dick Price Rd Site
5/27/04	07/08/2004	1442/Construction Sand and Gravel	Tarrant	Crouch Sand And Gravel
5/20/04	07/16/2004	1442/Construction Sand and Gravel	Tarrant	Cowtown Excavating Co
6/4/04	07/16/2004	1442/Construction Sand and Gravel	Tarrant	Metroplex Sand & Gravel Ltd
6/1/04	07/06/2004	1442/Construction Sand and Gravel	Wise	Topway Properties
5/25/04	07/16/2004	1442/Construction Sand and Gravel	Wise	Matbon Inc
5/20/04	07/12/2004	1422/Crushed and Broken Limestone	Wise	Chico Limestone Inc
6/4/04	07/16/2004	1442/Construction Sand and Gravel	Wise	TJL Boyd

Table C5. Notices of Violation (NOV) - Summary

Region - Austin
Region Total: 14

<u>Investigation Date</u>	<u>NOV Date</u>	<u>SIC/Description</u>	<u>County</u>	<u>Regulated Entity</u>
05/18/04	06/25/2004	1429/Crushed and Broken Stone	Burnet	Cactus Canyon Quarries
06/08/04	06/08/04	1411/Dimension Stone	Burnet	Texas Granite
05//27/04	06/08/04	1411/Dimension Stone	Burnet	Texas Pink Quarry
06/08/04	06/0804	1411/Dimension Stone	Burnet	Cold Spring Granite Sunset Beige
06/10/04	07/16/2004	1422/Crushed and Broken Limestone	Burnet	Burnet Quarry
05/24/04	07/16/2004	1442/Construction Sand and Gravel	Travis	Dw702-Onion Creek
05/25/04	07/12/2004	1411/Dimension Stone	Williamson	Espinoza Stone Pit 2
06/03/04	07/09/2004	1422/Crushed and Broken Limestone	Williamson	RTI Hot Mix North Asphalt Plant
06/04/04	07/19/2004	1411/Dimension Stone	Williamson	River Stone
05/25/04	07/12/2004	1422/Crushed and Broken Limestone	Williamson	J C Evans Plant 1
05/25/04	07/12/2004	1422/Crushed and Broken Limestone	Williamson	J C Evans Plant 2
05/25/04	07/12/2004	1411/Dimension Stone	Williamson	Espinoza Stone Pit 1
05/25/04	07/16/2004	1411/Dimension Stone	Williamson	Tejas Quality Stone Co
06/02/04	07/08/2004	1411/Dimension Stone	Williamson	Simpsons Sons Stone Quarry

Table C6. Notices of Violation (NOV) - Summary

Region - Houston

Region Total: 33

<u>Investigation Date</u>	<u>NOV Date</u>	<u>SIC /Description</u>	<u>County</u>	<u>Regulated Entity</u>
05/17/04	07/09/2004	1442/Construction Sand and Gravel	Harris	Fairbanks Sand Pit
06/03/04	07/12/04	1442/Construction Sand and Gravel	Brazoria	Orchard Sand Pit
06/04/04	07/09/2004	1442/Construction Sand and Gravel	Brazoria	Flora Sand & Fill
05/25/04	05/28/04	1442/Construction Sand and Gravel	Brazoria	JB Services Construction
05/27/04	07/09/04	1442/Construction Sand and Gravel	Brazoria	Blackwell Fill and Sand
05/28/04	07/14/2004	1442/Construction Sand and Gravel	Brazoria	Blue Top Sand & Fill
06/03/04	07/14/04	1442/Construction Sand and Gravel	Brazoria	Jeffers Road Sand Pit
06/03/04	07/09/04	1442/Construction Sand and Gravel	Brazoria	Justice Sand Co.
05/25/04	06/21/2004	1442/Construction Sand and Gravel	Fort Bend	Inner City Sand
05/19/04	07/14/04	1442/Construction Sand and Gravel	Fort Bend	Jefferson Group-Firethorn Subdivision
05/28/04	07/08/2004	1442/Construction Sand and Gravel	Galveston	De Leon Sand & Gravel Inc
06/02/04	07/09/2004	1442/Construction Sand and Gravel	Galveston	Morse Land Development
05/25/04	07/16/2004	1442/Construction Sand and Gravel	Galveston	Fm 3005 @ 12 Mile Road
05/25/04	07/16/2004	1442/Construction Sand and Gravel	Galveston	Kelly Bradley Inc
06/04/04	07/09/2004	1442/Construction Sand and Gravel	Galveston	Clear Lake Sand
6/02/04	06/09/04	1442/Construction Sand and Gravel	Galveston	Riley's Dirt Works
06/02/04	06/09/04	1442/Construction Sand and Gravel	Galveston	T Bar H Trucking
05/27/04	07/08/04	1442/Construction Sand and Gravel	Galveston	Baulch Sand Pit
05/20/2004	06/16/2004	1442/Construction Sand and Gravel	Harris	Megasand Enterprises
05/18/04	06/16/04	1442/Construction Sand and Gravel	Harris	Walker Sand
06/03/04	07/14/2004	1442/Construction Sand and Gravel	Harris	Weatherford Dirt - Rothwood
06/04/04	07/13/2004	1442/Construction Sand and Gravel	Harris	Katy Sand Pit
06/01/04	06/23/2004	1442/Construction Sand and Gravel	Harris	Dallas Enterprises Inc

Table C7. Notices of Violation (NOV) - Summary

Region - Houston

Region Total: 33

<u>Investigation Date</u>	<u>NOV Date</u>	<u>SIC/Description</u>	<u>County</u>	<u>Regulated Entity</u>
05/26/04	07/14/2004	1611/Highway and Street Construction	Harris	Recycled Concrete & Asphalt
06/03/04	07/14/2004	1442/Construction Sand and Gravel	Harris	Weatherford Dirt-Kluge
06/07/04	07/07/2004	1442/Construction Sand and Gravel	Harris	Bluebonnet Pit
06/04/04	07/07/2004	1442/Construction Sand and Gravel	Harris	Houston Sand Pit
05/25/04	07/14/2004	1442/Construction Sand and Gravel	Harris	Texas Sterling Construction LP
05/25/04	07/09/2004	1442/Construction Sand and Gravel	Harris	Almeda School Rd Sand Pit
05/18/04	07/08/2004	1442/Construction Sand and Gravel	Harris	Barker Cypress Sand Pit
05/20/04	06/17/2004	1442/Construction Sand and Gravel	Liberty	TXI Sand & Gravel
06/04/04	07/14/2004	1442/Construction Sand and Gravel	Montgomery	Liberty Materials
05/27/04	06/02/04	1442/Construction Sand and Gravel	Montgomery	Quality Materials

Table C8. Notices of Violation (NOV) - Summary

Region - San Antonio

Region Total: 14

<i>Investigation Date</i>	<i>NOV Date</i>	<i>SIC/Description</i>	<i>County</i>	<i>Regulated Entity</i>
05/17/04	07/14/2004	1442/Construction Sand and Gravel	Bexar	Vulcan Materials Co
05/17/04	07/07/2004	1442/Construction Sand and Gravel	Bexar	Vulcan Helotes Quarry
05/28/04	07/15/2004	1422/Crushed and Broken Limestone	Comal	Colorado Materials Hunter Plant 2
06/03/04	07/16/04	1442/Construction Sand and Gravel	Comal	Nacodoches Pit
06/03/04	07/16/2004	3273/Ready-mix concrete	Comal	Lone Star Ranch
06/03/04	07/02/04	1442/Construction Sand and Gravel	Gillespie	Weirich Brothers Hwy 16
05/27/04	07/14/2004	1411/Dimension Stone	Gillespie	Cold Spring Granite Radiant Red Quarry
06/03/04	07/02/04	1442/Construction Sand and Gravel	Gillespie	Weirich Brothers. Boerner Pit
05/27/04	07/15/2004	1499/Gypsum Mining	Gillespie	Standard Gypsum Corporation
06/07/04	07/16/04	1442/Construction Sand and Gravel	Kendall	Scheele Brothers Ranch Quarry
06/07/04	07/15/2004	1442/Construction Sand and Gravel	Kerr	Drymala Sand And Gravel
05/15/04	06/28/04	1422/Crushed and Broken Limestone	Medina	Alamo Reserve Quarry (MG Building Materials)
06/02/04	07/16/04	1442/Construction Sand and Gravel	Medina	Nickles Quarry (Medina Crushed Stone)
05/26/04	07/16/04	1442/Construction Sand and Gravel	Uvalde	Chapman Plant (South Texas Aggregates)

Appendix D

Table D1. Notices of Enforcement (NOE) - Summary

Region - Abilene

Region Total: 8

<i>Regulated Entity</i>	<i>SIC</i>	<i>County</i>	<i>Investigation Date</i>	<i>FOD NOE Date</i>	<i>Draft Order Mailed Out</i>	<i>Assessed Penalty</i>	<i>Deferral Amount</i>	<i>Payable Penalty</i>
Featherlite Building Products Swenson Hoggy lease	1411	Shackelford	5/17/04	6/16/04	Pending	\$34,000	\$2,800	\$27,200
Pec Materials Reid Pit	1442	Stephens	5/19/04	6/18/04	8/13/04	\$8,000	\$1,600	\$6,400
P & S Stone Td Williams	1442	Jack	5/24/04	6/23/04	8/4/04	\$35,000	\$7,000	\$28,000
Tri-Cities Ready-Mix	3273	Eastland	5/25/04	6/25/04	8/4/04	\$18,500	\$3,700	\$14,800
Pendergraft Stone	1442	Haskell	5/26/04	6/28/04	8/4/04	\$35,000	\$7,000	\$28,000
Jh Strain & Sons Bean Pit	1442	Haskell	5/26/04	6/30/04	8/13/04	\$9,000	\$1,800	\$7,200
Rock Crusher 1-Lorraine	1422	Mitchell	6/9/04	7/6/04	8/2/04	\$20,000	\$4,000	\$16,000
Quarry Facility	1422	Brown	6/9/04	7/7/04	7/23/04	\$26,000	\$5,040	\$20,960

Table D2. Notices of Enforcement (NOE) - Summary

Region - Dallas/Ft. Worth

Region Total: 9

<i>Regulated Entity</i>	<i>SIC</i>	<i>County</i>	<i>Investigation Date</i>	<i>FOD NOE Date</i>	<i>Draft Order Mailed Out</i>	<i>Assessed Penalty</i>	<i>Deferral Amount</i>	<i>Payable Penalty</i>
Astello Stone	1411	Palo Pinto	6/18/04	06/25/04	8/9/04	\$35,000	\$7,000	\$28,000
Panama Materials LLC	1411	Palo Pinto	3/31/04	06/28/04	8/13/04	\$33,250	\$0	\$33,250
Mansfield Sand & Select	1442	Tarrant	6/10/04	07/01/04	8/12/04	\$11,000	\$2,200	\$8,800
Goodspeed Sand Company	1442	Johnson	6/17/04	07/01/04	8/12/04	\$30,000	\$6,000	\$24,000
Weir Brothers	1442	Denton	5/11/04	07/02/04	8/11/04	\$35,000	\$7,000	\$28,000
Lattimore Materials Co Plant 42	1442	Somervell	5/20/04	07/02/04	8/10/04	\$31,000	\$6,200	\$24,800
Metro Brick And Stone	1422	Dallas	5/17/04	07/06/04	LD Referral on 8/11/04	\$35,000	\$0	\$35,000
D & M Excavating Inc	1442	Wise	5/16/04	07/06/04	8/11/04	\$14,000	\$2,800	\$11,200
A & A Stone Company	1422	Hood	5/27/04	07/06/04	8/11/04	\$35,000	\$7,000	\$28,000

Table D3. Notices of Enforcement (NOE)- Summary

Region - Waco
Region Total: 13

<i>Regulated Entity</i>	<i>SIC</i>	<i>County</i>	<i>Investigation Date</i>	<i>FOD NOE Date</i>	<i>Draft Order Mailed Out</i>	<i>Assessed Penalty</i>	<i>Deferral Amount</i>	<i>Payable Penalty</i>
Redland Pit And Rock Crushing Plant	1422	Limestone	5/25/04 and 7/1/04	07/06/04 air/water	LD Referral on 8/13/04	\$86,000	\$0	\$86,000
Moncus Pit 2	1442	McLennan	5/26/04	07/16/04	Pending	\$14,000	\$2,800	\$11,200
Frost Crushed Stone Koenig Pit	1442	Falls	6/3/04	07/16/04	8/2/04	\$25,500	\$5,100	\$20,400
Young Contractors Mitchell Pit	1442	Falls	7/16/04	07/16/04	LD Referral on 8/13/04	\$31,000	\$0	\$31,000
Texcon Materials Pettibone Plant	1442	Milam	6/10/04	07/15/04	8/13/04	\$11,000	\$2,200	\$8,800
Kenneth Willy Sand & Gravel Pit	1442	Milam	6/10/04	07/15/04	7/30/04	\$18,000	\$3,600	\$14,400
Minerva Pit	1442	Milam	6/9/04	07/15/04	8/4/04	\$26,000	\$5,200	\$20,800
Rock Crusher 1	1429	Washington	6/9/04	07/14/04	8/6/04	\$14,000	\$2,800	\$11,200
Salado Quarry	1411	Bell	6/8/04	07/15/04	8/13/04	\$36,000	\$7,200	\$28,800
S & S Sand Pit	1442	Robertson	6/9/04 and 06/11/04	07/16/04	8/13/04	\$35,000	\$7,000	\$28,000
Best Materials	1442	Robertson	6/10/04	07/16/04	8/4/04	\$32,000	\$6,400	\$25,600
Apache Stone	1411	Bell	6/8/04	07/16/04	8/11/04	\$33,000	\$6,600	\$26,400
Orlandos Sand And Fill Dirt	1442	Burleson	6/10/04	07/16/04	8/3/04	\$36,000	\$7,200	\$28,800

Table D4. Notices of Enforcement (NOE)- Summary

Region - Austin
Region Total: 2

<i>Regulated Entity</i>	<i>SIC</i>	<i>County</i>	<i>Investigation Date</i>	<i>FOD NOE Date</i>	<i>Draft Order Mailed Out</i>	<i>Assessed Penalty</i>	<i>Deferral Amount</i>	<i>Payable Penalty</i>
Collier Materials	1442	Burnet	7/19/04	7/20/04	8/13/04	\$750	\$150	\$600
Alamo Concrete Products	1442	Williamson	7/19/04	7/20/04	8/19/04	\$1,500	\$300	\$1,200

Table D5. Notices of Enforcement (NOE)- Summary

Region - Houston

Region Total: 0

Table D6. Notices of Enforcement (NOE)- Summary

Region - San Antonio

Region Total: 6

<i>Regulated Entity</i>	<i>SIC</i>	<i>County</i>	<i>Investigation Date</i>	<i>FOD NOE Date</i>	<i>Draft Order Mailed Out</i>	<i>Assessed Penalty</i>	<i>Deferral Amount</i>	<i>Payable Penalty</i>
Kelly Pit Quarry	1442	Kendall	6/14/04	7/16/04	8/9/04	\$35,000	\$7,000	\$28,000
Mesujo South	1442	Guadalupe	6/3/04	7/16/04	Pending	Pending	Pending	Pending
Osburn Sand Co	1442	Bexar	6/8/04	7/16/04	8/13/04	\$35,000	\$7,000	\$28,000
Pavelka John	2875	Bexar	6/11/04	7/16/04	9/2/04	\$29,430	\$0	\$29,430
Weidner Keith	1442	Comal	6/15/04	7/16/04	8/16/04	\$36,400	\$7,280	\$29,120
Penick Quarry	1442	Gillespie	6/3/04	7/16/04	8/16/04	\$36,750	\$0	\$36,750

Number of facilities referred to Enforcement Division	Draft Order Total Assessed Penalty Amount	Draft Order Total Amount Deferred	Draft Order Total Payable Penalty Amount
38	\$ 1,017,080 *	\$ 152,970 *	\$ 864,110 *

* Interim total as of 9/7/04 for 37 of the 38 cases mailed to the respondents.

Table D7. Total Number of Cases by County

COUNTY	NUMBER OF CASES	COUNTY	NUMBER OF CASES
Bell	2	Jack	1
Bexar	2	Kendall	1
Brown	1	Limestone	1
Burleson	1	McLennan	1
Burnet	1	Milam	3
Comal	1	Mitchell	1
Dallas	1	Palo Pinto	3
Denton	1	Robertson	2
Eastland	1	Shackelford	1
Falls	2	Stephens	1
Gillespie	1	Somervell	1
Guadalupe	1	Tarrant	1
Haskell	2	Washington	1
Johnson	1	Williamson	1
Hood	1		

Appendix E

Table E1. State Office of the Attorney General Referral Information

Quarry (Date Rec'd at OAG)	Inspection Date(s)	Facility Type	Allegations	Current Action
Aurora Materials, Ltd., Wise County (July 6)	06/16/04, 06/17/04	1442 - Sand	Texas Water Code (TWC) 26.121; 30 TAC 281.25(a)(4)	Petition filed 07/15/2004; Temporary Restraining Order (TRO) prohibiting discharges issued on 07/16/2004. TRO extended as counsel for Defendant is on vacation. Expect to have a Temporary Injunction (TI) hearing in August. Signed Agreed TI received 09/08. Trial date will be for the week of 3/28/05.
Metroplex Quarry Inc., Palo Pinto County (July 6)	05/11/04	1442 - Sand, 1422-29 - Crushed and Broken Stone, 1446 - Gravel, 1411 - Dimension Stone	TWC 26.121; 30 TAC 281.25(a)(4)	Petition filed 07/15/2004; Met with Defendant on Friday, 07/23. An agreed temporary injunction was entered into on 8/20 requiring the Defendant to design, construct, and maintain additional detention basins and silt fences; implement sampling plans, direct all runoff into holding ponds or detention basins; and remove all rocks and overburden from the creek. The trial is set for February 14, 2005.
McCauley Dirt, Tarrant County (July 8)	05/17/04	1442 - Sand, 1422-29 - Crushed and Broken Stone, 1446 - Gravel, 1411 - Dimension Stone	TWC 26.121; 30 TAC 281.25(a)(4)	Petition filed 07/15/2004; Agreed TRO issued 07/16. TRO requires Defendant to cease and prevent all discharges of storm water associated with any industrial activity. Heavy flooding prompted the facility to voluntarily shut down permanently. Agreed TI entered on 8/10. TI requires Defendant to cease all discharges and to cease all sand mining at the Facility. Defendant must re-grade its retention pond and maintain the retention pond area.
Allied Stone Products, Parker County (July 8)	06/17/04	1442 - Sand, 1422-29 - Crushed and Broken Stone, 1446 - Gravel, 1411 - Dimension Stone	TWC 26.121; 30 TAC 281.25(a)(4)	Reviewing investigation with the region. Under enforcement and the Region reinvestigated the site the week of August 2; preliminary results indicate an Notice of Enforcement (NOE) will be issued. Office of the Attorney General (OAG) is handling the enforcement action in district court and has drafted a petition. An investigation on July 26 and August 5, 2004 found two additional violations. Neither of these violations appear to require a TI and they are being added to the current enforcement action, which the OAG is handling in District Court. The petition for the enforcement case has not been filed yet. Also, Allied Stone Products informed the DFW Regional Office that it plans to shut down in the near future. Therefore, the OAG plans to go forward with the enforcement action and ensure that the site is shut down in accordance with all applicable rules and statutes.
TexSand Silica, Hood County (July 8)	05/19/04	1446 - Industrial Sand and Gravel Mining	TWC 26.21; Failure to provide narrative description of all activities; Failing to conduct periodic and quarterly visual inspections; Failing to note estimated volume of sediment removed.	Petition filed 07/15/2004; No TRO. Working on Agreed TI with a hearing set for September 9. The trial is set for January 31, 2004.
Terrell Sandpit, Kaufman County (July 14)	02/10/04, 02/24/04, 03/18/04	1499 - Topsoil Mining, 1442 - Construction Sand	TWC 26.121; 30 TAC 281.25(a)(4)	Petition filed 07/15/2004; TRO issued 07/16. TRO requires Defendant to cease and prevent all discharges of storm water associated with any industrial activity. Agreed TI signed July 27th. The TI requires Defendant to stop all discharges from its sand pit to waters of the State but allows discharges to the holding ponds at the Facility provided that the holding ponds do not discharge to waters in the State. The trial date is 2/14/05.

