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1570663

AIR CP_110114022_CP_20190319_CP_INVESTIGATION
Texas Commission on Environmental Quality
Investigation Report

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Customer: Blue Star Recycling, LLC
Customer Number: CN605347897

Regulated Entity Name: BLUE STAR RECYCLING

Regulated Entity Number: RN110114022

Investigation # 1570663

Incident Numbers

311776

Investigator: ALAN ADAMS

Site Classification

Conducted: 03/19/2019 -- 03/19/2019

SIC Code: 5093

NAIC Code: 56211

SIC Code: 4953

Program(s): AIR QUALITY NON PERMITTED

Investigation Type: Compliance Investigation

Location:

Additional ID(s):

Address: 9515 S CENTRAL EXPY,
DALLAS, TX , 75241

Local Unit: CITY OF DALLAS LOCAL PROGRAM

Activity Type(s): AIRCOMPL - AIR CMPL - AIR
COMPLAINT INV

Principal(s):

Role

Name

RESPONDENT

BLUE STAR RECYCLING LLC

Contact(s):

Role

Title

Name

Phone

REGULATED
ENTITY MAIL
CONTACT

OWNER

CHRIS GANTER

Cell (972) 984-5220

Other Staff Member(s):

Role

Name

QA Reviewer
Supervisor

MARILYN FITZNER
BRIAN CUNNINGHAM

Associated Check List

Checklist Name

AIR COMPLAINT INVESTIGATION

Unit Name

facility

Investigation Comments:

INTRODUCTION:

On 03/19/2019, Environmental Investigators with the City of Dallas (COD) Air Quality Compliance Program; Alan Adams, David Morris, Marilyn Fitzner, Jesus Rodriguez and Jose Alvarez; Sr. Program Manager with the City of Dallas, Paul White; and John Malik with the TCEQ Region 4 Office conducted a site visit for a Complaint Investigation (AIR-CMPL) at Blue Star Recycling owned by Chris Ganter and located at 9527 S. Central

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BLUE STAR RECYCLING - DALLAS

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Expressway Dallas, TX. 75241 (Attachment 1-Map). Mr. Chris Ganter, the Owner will be the Regulated Entity (RE) mail contact. All investigators with the City of Dallas, Sr Program Manager, and the TCEQ investigator listed above participated in this investigation.

The purpose of this investigation was to respond to a complaint (COD Salesforce Service Request 19-00310248). The original complaint was sent by email 02/06/2019 through TECQ Region 4 but was not received until it was resent by TCEQ, 03/14/2019. The complainant alleged that the shingles recycler at the aforementioned facility is grinding shingles and asphalt-laden dust is flying into the air.

The purpose of this investigation was to collect particulate samples for analysis to assess any nuisance conditions.

Daily Narrative:

The following is information regarding a description of the complaint:

COMPLAINANT NAME/ADDRESS:

This information is being handled as confidential and is included in the regional confidential file. Refer to Incident # 311776 for more information.

TIME, DATE, FREQUENCY, DURATION OF THE ODOR:

The complaint alleged that on 02/06/2019 Blue Star Recycling was grinding shingles, and asphalt-laden dust particles were flying into the air and landing on their property. The complainant alleges that shingle particles were being blown into the air causing a dust nuisance condition. The hours of operation for the facility are Monday-Saturday 5am-6pm.

DESCRIBE ACTIVITY/OPERATIONS AT THE TIME OF THE COMPLAINT:

At the time of the site visit, the facility was not operating. There were 2 grinders and at least two front end loaders on site. Shingles from venders are brought on site and stockpiled. The shingles are then ground twice. The generated product of the grinding process is then stockpiled separately from the aforementioned shingle pile .

DISCRIPTION OF ALLEGED EFFECTS:

At the time of the site visit, the ground shingle dust particles were not observed leaving the property to cause a dust nuisance condition off site.

INVESTIGATION INFORMATION:

METEOROLOGICAL DATA AT THE TIME OF INVESTIGATION:

03/19/2019: 14:00-15:30; mostly cloudy, 71°F, 42% RH, 3-5 mph North wind.

LOCATION OF THE DUST:

Blue Star Recycling Asphalt Shingles Recycling & Aggregate Co. located at 9527 S. Central Expressway is the alleged origin of the dust nuisance condition.

DESCRIPTION OF THE ALLEGED NUISANCE:

The allegation was for an investigation of non-compliance of 30 TAC 101.4 General Air Quality Rules-Nuisance. The complainant alleged that Blue Star Recycling was grinding shingles, and debris from the grinding process is flying into the air causing a dust nuisance condition and making it difficult to breathe.

DESCRIPTION OF THE EFFECTS ON THE INVESTIGATOR:

None of the investigators felt any effects from the alleged nuisance dust at the time of the investigation.

SOURCE EMISSIONS CONSISTENT WITH ALLEGED NUISANCE DUST?

At the time of the investigation, the debris from the shingle grinding process was not observed leaving the Blue Star Recycling property, however the sampling event and laboratory analysis indicates a nuisance condition.

DESCRIBE ACTIVITY/OPERATIONS AT THE TIME OF THE INVESTIGATION:

At the time of the investigation on 03/19/2019 the facility was not operating.

BLUE STAR RECYCLING - DALLAS

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DESCRIPTION OF THE LAND USE IN THE AREA SURROUNDING WHERE THE ODOR WAS DETECTED:
The surrounding area is commercial and residential buildings.

DESCRIPTION OF THE TERRAIN FEATURES OF THE AREA:
The land in the area is mostly flat.

LOCATION OF THE SOURCE OF THE NUISANCE:
Blue Star Recycling Asphalt Shingles Recycling & Aggregate Co. located at 9527 S. Central Expressway Dallas, TX. is the source of the alleged asphalt-laden dust nuisance condition.
At the time of the investigation, the debris from the shingle grinding process was not observed leaving the Blue Star Recycling property. However, samples taken, and laboratory analysis indicates a nuisance condition.

SPECIFIC CAUSE OF ACTIVITY:
Blue Star Recycling Asphalt Shingles Recycling & Aggregate Co. located at 9527 S. Central Expressway Dallas, TX. is the alleged origin of the dust nuisance condition.
At the time of the investigation, the debris from the shingle grinding process was not observed leaving the Blue Star Recycling property. However, samples taken, and laboratory analysis indicates a nuisance condition.

COMPLAINT LOG NECESSARY/APPROPRIATE?
No, the facility is no longer operating, and has been permanently closed for business.
At the time of the visit on 03/19/2019, the facility was not operating, and no debris was observed leaving the property. The Investigator began the site visit by turning east from I 45 South then south onto S. Central Expressway to 9527. (See Attachment #1-Map). All surveillance was done on foot.
Black dust impact was noted in the area, investigators collected six tape-lift samples and two blank samples in the area. Two source samples were obtained, but due to a question of the legality of the way the source samples were obtained, they will not be used for analysis. John Malik with the TCEQ Region 4 obtained new source samples on 03/25/2019, CCEDS Investigation #1556547:

Field Sample 1-CP collected at 14:27 from a blue plastic barrel on the property line of the complainant's property.
Field Sample 2-CP collected at 14:38 from a white plastic barrel on the property line of the complainant's property.
Field Sample 3-CP collected at 14:43 from a black plastic tote on the property line of the complainant's property.
Field Sample 4-CP collected at 14:48 from a tin roof over a horse barn on the complainant's property.
Field Sample 5-CP collected at 14:57 from a waste water treatment box attached to the residence.
Field Sample 6-CP collected at 15:03 from the air conditioner compressor unit on the back, south side of the residence.
Two blank samples were also obtained from the complainant's property.
Blank 1 was collected at 14:52 from the area around the blue plastic barrel on the complainant's property.
Blank 2 was collected at 15:00 from the south east of the residence.

On March 21, 2019, the City of Dallas had the samples sent to the Austin TCEQ lab for analysis. On April 5, 2019, the lab sent the results of the samples collected at the complainant's property. Please see Attachment 2 for results of Laboratory Analysis:

Sample - 1 (1-CP) Sample one was moderately loaded. Asphalt accounted for between 51% and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 21% and 30% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 2(2-CP): Sample two was lightly loaded. Asphalt accounted for between 41% and 50% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 31% and 40% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 3 (3-CP): Sample two was lightly loaded. Asphalt accounted for between 51% and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt

BLUE STAR RECYCLING' - DALLAS

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particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 21% and 30% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 4 (4-CP) Sample four was lightly loaded. Asphalt accounted for between 5% and 20% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 5% and 20% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 5(5-CP): Sample five was moderately loaded. Asphalt accounted for between 61% and 70% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 21% and 30% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 6 (6-CP): Sample six was lightly loaded. Asphalt accounted for between 51% and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 41% and 50% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, pollen.

Sample - 7 (Blank -1): Sample seven was lightly loaded. The sample contained between 41% and 50% plant material and between 41% and 50% common clays and minerals.

Sample - 8 (Blank - 2): Sample eight was lightly loaded. The sample contained between 5% and 20% common clays and minerals, between 41% and 50% fungal spores. Other particles present in quantities less than 5% included plant fibers.

This sampling event and Laboratory Analysis indicates that asphalt-laden dust from the shingle crushing operation affected the off-site property, therefore a notice of violation will be given for 30 TAC 101.4 General Air Quality Rules-Nuisance: Failure to keep asphalt-laden dust from leaving their property and causing a nuisance to other citizens from the impact of the asphalt-laden dust. Also, included is a violation of 5C THSC Chapter 382.0518(b): A person may not cause, suffer, allow, or permit the emission of any air contaminant or the performance of any activity in violation of this chapter (the Clean Air Act) or any commission rule or order. In addition to the nuisance violation, the facility will be cited for: Failure to obtain a Permit by Rule (PBR) Registration from the TCEQ, 30 TAC Chapter 106.261, .262. The facility had until 03/31/2019 to register for emitting a material that could potentially have an impact on air quality (less than 6 lbs. of cellulose fiber per hour). At the time of the investigation, Blue Star Recycling had not registered with the state.

EXIT INTERVIEW:

No exit interview was available since City employees could not enter the Blue Star property. Since then the facility has ceased operations by order of the City of Dallas, which has filed a lawsuit against the facility. The Certificate of Occupancy was voided the week of the 20th of March. The City of Dallas has ordered all shingle material be removed from the site. The complainant will receive a letter of the investigations results.

GENERAL FACILITY AND PROCESS INFORMATION

Process Description

Blue Star operates a recycling facility that accepts asphalt shingles for grinding and storage on-site. The facility is located at 9515 South Central Expressway, Dallas (Dallas County), Texas (location of the office on the premises). The shingles are ground on-site into Recycled Asphalt Shingles (RAS) and then transported to various customers for addition to asphalt construction and road repair projects. The unprocessed shingles are supplied by commercial roofing contractors and small-to-mid-sized construction contractors in the North Texas region. Wooden pallets are separated from the accepted shingles and sent for recycling at GWG Wood Group in Ferris, Texas. According to the Texas Secretary of State (SOS), the business name is Blue Star Recycling Dallas LLC and the Registered Agent is Ms. Laura Ganter. According to the Dallas County Appraisal District (DCAD), 9515 South Central Expressway is owned by Blue Star Recycling LLC.

BLUE STAR RECYCLING - DALLAS**3/19/2019 Inv. # - 1570663****Page 5 of 6**

BACKGROUND:**Compliance History:**

RE Name: Blue Star Recycling RN: 110114022

Classification: Unclassified- o Rating

Customer Name: Blue Star Recycling LLC: CN605347897

Classification: High - o Rating

Agreed Orders, Court Orders, and Other Compliance Agreements:

No prior violations have been issued at this location.

Prior Enforcement Issues:

No prior violations have been issued at this location.

Complaints:

Two Complaints for dust (CCEDS Inv. 1537501) and (CCEDS Inv. 1551524)

Trend Analysis of Current and Past Complaints and Investigation Observations.

There have been two complaints with this RN number within the last 5 years; the current complaint and a dust complaint conducted on 11/27/2018. Also, a third dust complaint was conducted on 12/20/2018 at a company with the same name, but different RN number and address. The RN was RN109734384; the address was 9440 S Central Expy. The three complaints originated from different complainants. There as no nuisance dust observed during the investigation for the 11/27/2018 and 12/20/2018 complaints. No nuisance violations were cited during those investigations.

ADDITIONAL INFORMATION:

Conclusions, Recommendations, and Current Enforcement Actions:

During this investigation, notices of violation were given. A letter noting the violations will be sent to the facility. A letter will also be sent to the complainant.

Additional Issues:

An NOV will be issued for 30 TAC 106.4 General Air Quality Rules-Nuisance, Failure to keep asphalt-laden dust from leaving their property.

An NOV will be issued for 30 TAC 106.261, 262- Failure to obtain a Permit by Rule (PBR) Registration from the TCEQ.

ATTACHMENTS:

Attachment 1 - Map

Attachment 2 - Lab Analysis Results

NOV Date	03/19/2019	Method	WRITTEN
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OUTSTANDING ALLEGED VIOLATION(S)**ASSOCIATED TO A NOTICE OF VIOLATION****Track Number:** 718754**Compliance Due Date:** To Be Determined**Violation Start Date:** 3/19/2019**30 TAC Chapter 106.261****30 TAC Chapter 106.262****Alleged Violation:****Investigation:** 1570663

Comment Date: 06/27/2019

Failure to obtain a Permit by Rule (PBR) Registration from the TCEQ. 30 TAC Chapter 106.261, .262. The facility had until 03/31/2019 to register for emitting a material that could potentially have an impact on air quality (less than 6 lbs. of cellulose fiber per hour). At the time of the investigation, Blue Star Recycling had not registered with the state.

BLUE STAR RECYCLING - DALLAS

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Track Number: 718917

Compliance Due Date: To Be Determined

Violation Start Date: 3/19/2019

30 TAC Chapter 101.4

Alleged Violation:

Investigation: 1570663

Comment Date: 06/28/2019

30 TAC 101.4 General Air Quality Rules-Nuisance Failure to keep asphalt-laden dust from leaving their property and causing a nuisance to other citizens from the impact of the asphalt-laden dust.

Recommended Corrective Action: Facility needs to find a way to not let dust leave their property.

Signed



Environmental Investigator

Date

6-28-19

Signed



Supervisor

Date

6-28-19

Attachments: (in order of final report submittal)

☐ Enforcement Action Request (EAR)

☒ Letter to Facility (specify type) : N2U

☐ Investigation Report

☒ Sample Analysis Results

☐ Manifests

☐ Notice of Registration

☒ Maps, Plans, Sketches

☐ Photographs

☐ Correspondence from the facility

☐ Other (specify) :

Letter to Complaint

Attachment 1

RN 11014022 CN 605347897

Blue Star Recycling, LLC

Conducted 03/19/2019

Pages 1

Google Maps 9515 S Central Expy



Imagery ©2019 Google, Map data ©2019 200 ft

Attachment 2

RN 11014022 CN 605347897

Blue Star Recycling, LLC

Conducted 03/19/2019

Pages 4

4/5/2019

Texas Commission on Environmental Quality

Laboratory and Quality Assurance Section

P.O. Box 13087, MC-165

Austin, Texas 78711-3087

(512) 239-1716

Laboratory Analysis Results

Request Number: 1903014

Request Lead: Frank Martinez

Region: T04

Date Received: 3/25/2019

Facility(ies) Sampled	City	County	Facility Type
Blue Star Recycling	Dallas	Dallas	

Sample(s) Received

Field ID Number: 1 Laboratory Sample Number: 1903014-001 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:27:00 Valid Sample: Yes
 Comments: Tape-lift taken from blue plastic barrel.

Field ID Number: 2 Laboratory Sample Number: 1903014-002 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:38:00 Valid Sample: Yes
 Comments: Tape-lift taken from white plastic bucket.

Field ID Number: 3 Laboratory Sample Number: 1903014-003 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:43:00 Valid Sample: Yes
 Comments: Tape-lift taken from black plastic tote.

Field ID Number: 4 Laboratory Sample Number: 1903014-004 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:48:00 Valid Sample: Yes
 Comments: Tape-lift taken from tin roof.

Field ID Number: 5 Laboratory Sample Number: 1903014-005 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:57:00 Valid Sample: Yes
 Comments: Tape-lift taken from box attached to SE corner of house.

Field ID Number: 6 Laboratory Sample Number: 1903014-006 Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 15:03:00 Valid Sample: Yes
 Comments: Tape-lift taken from outside AC unit.

Field ID Number: 7 Laboratory Sample Number: 1903014-007FB Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 14:52:00 Valid Sample: Yes
 Comments: Tape-lift field blank taken by blue plastic barrel.

Field ID Number: 8 Laboratory Sample Number: 1903014-008FB Sampled by: Alan Adams
 Sampling Site: Complainant's property Date & Time Sampled: 03/19/19 15:00:00 Valid Sample: Yes
 Comments: Tape-lift field blank taken by SE side of house.

Requested Laboratory Procedure(s):

Analysis: AP007MIC

Environmental Sample Characterization using Polarized Light Microscopy

Analysis: AP008MIC

Sample Characterization using Scanning Electron Microscope with an Energy Dispersive X-Ray Microanalysis Spectrometer

4/5/2019

Texas Commission on Environmental Quality

Laboratory and Quality Assurance Section

P.O. Box 13087, MC-165

Austin, Texas 78711-3087

(512) 239-1716

Laboratory Analysis Results

Request Number: 1903014

Please note that this analytical technique is not capable of measuring all compounds which might have adverse health effects. For questions on the analytical procedures please contact the laboratory manager at (512) 239-1716.

Analyst: Jeffrey Ketteman
Jeffrey Ketteman

Date: 4/5/19

Laboratory Manager: Frank Martinez
Frank Martinez

Date: 4/5/19

Laboratory Analysis Results

Request Number: 1903014

Analysis Code: AP007MIC & AP008MIC

Sample Number: 1903014-001

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample one was moderately loaded. Asphalt accounted for between 51 and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 21 and 30% common clays and minerals and between 5 and 20% pollen. Other particles present in quantities less than 5% included fungal spores, plant trichomes, and plant material.

Sample Number: 1903014-001

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

Energy dispersive spectroscopy (EDS) analysis of an asphalt particle showed elements carbon, oxygen, sulfur, calcium, and iron. The primary peaks in the x-ray spectrum were carbon, sulfur, and calcium.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were oxygen, aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, and iron. The primary peaks in the x-ray spectrum were oxygen, aluminum, and silicon.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

EDS analysis of a mineral (limestone) particle showed elements carbon, oxygen, and calcium. The primary peaks in the x-ray spectrum were carbon, oxygen, and calcium.

Sample Number: 1903014-002

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample two was lightly loaded. Asphalt accounted for between 41 and 50% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained between 5 and 20% glass fibers and less than 5% glassy spheres. The sample contained between 31 and 40% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, and pollen.

TCEQ laboratory customer support may be reached at Frank. Martinez@tceq.texas.gov

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Laboratory Analysis Results
Request Number: 1903014
Analysis Code: AP007MIC & AP008MIC

Sample Number: 1903014-002

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of an asphalt particle showed elements carbon, oxygen, and sulfur. The primary peaks in the x-ray spectrum were carbon and sulfur.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were carbon, oxygen, aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, and iron. The primary peaks in the x-ray spectrum were oxygen, aluminum, and silicon.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

EDS analysis of a mineral (quartz) particle showed elements carbon, oxygen, and silicon. The primary peaks in the x-ray spectrum were oxygen and silicon.

Sample Number: 1903014-003

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample three was lightly loaded. Asphalt accounted for between 51 and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 21 and 30% common clays and minerals and between 5 and 20% fungal spores. Other particles present in quantities less than 5% included pollen and plant material.

Sample Number: 1903014-003

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of an asphalt particle showed elements carbon, oxygen, aluminum, silicon, sulfur, and calcium. The primary peaks in the x-ray spectrum were carbon, oxygen, and sulfur.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, and iron. The primary peaks in the x-ray spectrum were carbon, oxygen, aluminum, and silicon.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

EDS analysis of a mineral (limestone) particle showed elements carbon, oxygen, and calcium. The primary peaks in the x-ray spectrum were carbon, oxygen, and calcium.

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Laboratory Analysis Results

Request Number: 1903014

Analysis Code: AP007MIC & AP008MIC

Sample Number: 1903014-004

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample four was lightly loaded. Asphalt accounted for between 5 and 20% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained between 41 and 50% fungal spores, between 5 and 20% common clays and minerals, and between 5 and 20% pollen. Other particles present in quantities less than 5% included plant fibers.

Sample Number: 1903014-004

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of an asphalt particle showed elements carbon, oxygen, silicon, sulfur, and calcium. The primary peaks in the x-ray spectrum were carbon, sulfur, and calcium.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, magnesium, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were oxygen, aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, and iron. The primary peaks in the x-ray spectrum were oxygen, aluminum, and silicon.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

EDS analysis of a mineral (quartz) particle showed elements carbon, oxygen, magnesium, aluminum, and silicon. The primary peaks in the x-ray spectrum were oxygen and silicon.

Sample Number: 1903014-005

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample five was moderately loaded. Asphalt accounted for between 61 and 70% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample contained 21 and 30% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, plant fibers, plant trichomes, and pollen.

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Laboratory Analysis Results

Request Number: 1903014

Analysis Code: AP007MIC & AP008MIC

Sample Number: 1903014-005

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of an asphalt particle showed elements carbon, oxygen, silicon, sulfur, and calcium. The primary peaks in the x-ray spectrum were carbon and sulfur.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, magnesium, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were oxygen, aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, potassium, calcium, titanium, and iron. The primary peaks in the x-ray spectrum were oxygen, aluminum, silicon, and calcium.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

Sample Number: 1903014-006

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample 6 was lightly loaded. Asphalt accounted for between 51 and 60% of the particle coverage. Asphalt ranged in color from yellow to brown. There were glassy spheres embedded within asphalt particles. The sample contained less than 5% glass fibers and glassy spheres. The sample also contained between 41 and 50% common clays and minerals. Other particles present in quantities less than 5% included fungal spores, pollen, and plant material.

Sample Number: 1903014-006

Analysis began: 4/4/2019

Analyst: Jeffrey Kettelman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of an asphalt particle showed elements carbon, oxygen, aluminum, silicon, sulfur, and calcium. The primary peaks in the x-ray spectrum were carbon, oxygen, silicon, and sulfur.

EDS analysis of a glass fiber particle showed elements carbon, oxygen, sodium, magnesium, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were oxygen, aluminum, silicon, and calcium.

EDS analysis of a glassy sphere particle showed elements carbon, oxygen, magnesium, aluminum, silicon, calcium, titanium, and iron. The primary peaks in the x-ray spectrum were carbon, oxygen, aluminum, silicon, and calcium.

These x-ray spectra of asphalt, glass fiber, and glassy sphere particles are consistent with the reference sample 1903015-005RS.

Sample Number: 1903014-007FB

Analysis began: 4/3/2019

Analyst: Jeffrey Kettelman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample 7 was lightly loaded. The sample contained between 41 and 50% pollen and between 41 and 50% plant material. One pollen particle and one plant material particle were found on sample.

TCEQ laboratory customer support may be reached at Frank. Martinez@tceq.texas.gov

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Laboratory Analysis Results

Request Number: 1903014

Analysis Code: AP007MIC & AP008MIC

Sample Number: 1903014-007FB

Analysis began: 4/4/2019

Analyst: Jeffrey Ketteman

SOP: AP008MIC Analysis completed: 4/5/2019

EDS analysis of a mineral (limestone) particle showed elements carbon, oxygen, aluminum, silicon, and calcium. The primary peaks in the x-ray spectrum were silicon and calcium.

This was the only particle found on subsample for x-ray analysis.

Sample Number: 1903014-008FB

Analysis began: 4/3/2019

Analyst: Jeffrey Ketteman

SOP: AP007MIC Analysis completed: 4/5/2019

Sample 8 was lightly loaded. The sample contained between 41 and 50% common clays and minerals and between 41 and 50% plant material.

Sample Number: 1903014-008FB

Analysis began: 4/4/2019

Analyst: Jeffrey Ketteman

SOP: AP008MIC Analysis completed: 4/5/2019

No particles were present on the subsample for x-ray analysis.

TCEQ laboratory customer support may be reached at Frank. Martinez@tceq.texas.gov

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Laboratory Analysis Results

Request Number: 1903014

Analysis Code: AP008MIG

Qualifier Notes:

- ND - not detected
- NQ - concentration can not be quantified due to possible interferences or coelutions.
- SDL - Sample Detection Limit (Limit of Detection adjusted for dilutions).
- SQL - Sample Quantitation Limit (Limit of Quantitation adjusted for dilution).
- INV - Invalid.
- J - Reported concentration is below SDL.
- L - Reported concentration is at or above the SDL and is below the lower limit of quantitation.
- E - Reported concentration exceeds the upper limit of instrument calibration.
- M - Result modified from previous result.
- T - Data was not confirmed by a confirmational analysis. Compound and/or results is tentatively identified.
- F - Established acceptance criteria was not met due to factors outside the laboratory's control.
- H - Not all associated hold time specifications were met. Data may be biased.
- C - Sample received with a missing or broken custody seal.
- R - Sample received with a missing or incomplete chain of custody.
- I - Sample received without a legible unique identifier.
- G - Sample received in an improper container.
- U - Sample received with insufficient sample volume.
- W - Sample received with insufficient preservation.

TCEQ laboratory customer support may be reached at Frank.Martinez@tceq.texas.gov

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TCEQ Complaint Report

06/28/2019
4:16:53PM

Incident No: 311776
Media Type: AIR
Start Date: 3/19/2019 **Start Time:** 12:00:00AM
Received Date: 03/14/2019
Method :

Staff Member: ALADAMS
Status: Closed
Status Date: 06/28/2019
Priority: Within 30 Calendar Days

Regulated Entity: BLUE STAR RECYCLING

RN110114022

Address: 9515 S CENTRAL EXPY
DALLAS, DALLAS County, TX 75241

Physical Location:

Responsible Party: BLUE STAR RECYCLING LLC
Address: 10015 REARWIN LN, MCKINNEY, TX 75071
E-Mail: [REDACTED]

Title:

Number Complaining: 1
Frequency: CURRENT
Alleged Source: BLUE STAR RECYCLING

Program Group: AIR QUALITY -
HIGH LEVEL

Nature: DUST
Effect: ENVIRONMENTAL

Initial Problem

On 03/14/2019, the City Of Dallas' Air Quality Compliance Program received a dust complaint in the 75241 zip code. The original complaint was emailed on 02/06/2019, from TCEQ region 4 office, but was not received until it was resent.

Action Taken

This complaint has been assigned to an environmental investigator and will be investigated further.

Closure Comments

More information will be available upon approval of the investigation report,

Investigation Number: 1570663

City of Dallas, Air Pollution Control Program Summary of Investigation Findings

BLUE STAR RECYCLING

**9515 S CENTRAL EXPY
DALLAS, DALLAS COUNTY, TX 75241**

Investigation #

**1570663
Investigation Date: 03/19/2019**

Additional ID(s):

OUTSTANDING ALLEGED VIOLATION(S)

Track No: 718754 Compliance Due Date: To Be Determined
30 TAC Chapter 106.261
30 TAC Chapter 106.262

Alleged Violation:

Investigation: 1570663

Comment Date: 06/27/2019

Failure to obtain a Permit by Rule (PBR) Registration from the TCEQ. 30 TAC Chapter 106.261, .262. The facility had until 03/31/2019 to register for emitting a material that could potentially have an impact on air quality (less than 6 lbs. of cellulose fiber per hour). At the time of the investigation, Blue Star Recycling had not registered with the state.

Recommended Corrective Action: Register with the state.

Track No: 718917 Compliance Due Date: To Be Determined
30 TAC Chapter 101.4

Alleged Violation:

Investigation: 1570663

Comment Date: 06/28/2019

30 TAC 101.4 General Air Quality Rules-Nuisance Failure to keep asphalt-laden dust from leaving their property and causing a nuisance to other citizens from the impact of the asphalt-laden dust.

Recommended Corrective Action: Facility needs to find a way to not let dust leave their property.



July 02, 2019

Marsha Jackson
4920 Choate St.
Dallas, TX 75241

RE: Complaint Investigation at: **Blue star Recycling, LLC, 9515 S. Central Expy.**
(Dallas County), Texas, **TCEQ Account Numbers: RN 110114022 CN 605347897**

Dear Ms. Jackson:

On March 19th, 2019, Mr. Alan Adams with the City of Dallas Air Quality Compliance Program conducted investigations of the above-referenced facility to evaluate compliance with applicable requirements for air pollution. Violations were documented during the investigation.

The City of Dallas Air Quality Compliance Program and Texas Commission on Environmental Quality (TCEQ) appreciates your assistance in this matter and your compliance efforts to ensure protection of the State's environment. If you or members of your staff have any questions regarding these matters, please feel free to contact Mr. Adams at 214-671-5234.

Sincerely,

Marilyn Fitzner, Interim Manager
Air Quality Compliance Program
Office of Environmental Quality