

Sheila Monroe - FW: RTI Hot Mix Ltd Alteration Requests

From: "Sergio E. Martinez" <smartinez@westwardenv.com>
To: <SMonroe@tceq.state.tx.us>
Date: 1/16/2009 10:37 AM
Subject: FW: RTI Hot Mix Ltd Alteration Requests

Sheila,

The responsible person will continue to be the same person as in the original permits:

Mr. Clyde C. Fuller
16409 Bratton Lane, Austin, TX, 78728
Phone: 512-251-3713
Fax: 512-251-3709

Thank you.

Sergio Martinez, E.I.T.

Staff Engineer

Westward Environmental, Inc.

P.O. Box 2205

Boerne, Texas 78006

Phone: (830) 249-8284

Fax: (830) 249-0221

Website: www.westwardenv.com

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From: Sheila Monroe [mailto:SMonroe@tceq.state.tx.us]
Sent: Friday, January 16, 2009 10:23 AM
To: smartinez@westwardenv.com
Subject: RTI Hot Mix Ltd Alteration Requests
Importance: High

Mr. Martinez:

We have received the three requests for alterations to site maps for RTI Hot Mix Ltd, permits 72901L001, 980B, and 70551L001.

Please provide the name, mailing address, phone & fax number, and email address (if applicable) of the Responsible Official for these permits.

Thank you for your assistance.

Texas Commission on Environmental Quality
Investigation Report
Industrial Asphalt, LLC
CN603966698

NORTH ASPHALT PLANT 2

RN104336250

Investigation # 1143805

Incident #

Investigator: RICK CIAMPI

Site Classification
CASE-BY-CASE

Conducted: 01/21/2014 -- 01/21/2014

NAIC Code: 324121
SIC Code: 2951

Program(s): AIR NEW SOURCE
PERMITS

Investigation Type : Site Assessment

Location : PORTABLE

Additional ID(s) : 960132G
72901L001

Address: 1725 COUNTY ROAD 239;
GEORGETOWN, TX 78633

Activity Type : REGION 11 - AUSTIN
OBPT - AIR OBPT - OBSERVE STACK
PERFORMANCE TEST

Principal(s) :

Role	Name
RESPONDENT	INDUSTRIAL ASPHALT LLC

Contact(s) :

Role	Title	Name	Phone
Regulated Entity Contact	ENVIRONMENTAL HEALTH AND SAFETY MANAGER	DOUG WILCOX	(512) 251-3713

Other Staff Member(s) :

Role	Name
Investigator	WALLACE MYERS
QA Reviewer	ROBERT SADLIER
Supervisor	GARY GOLDMAN

Associated Check List

<u>Checklist Name</u>	<u>Unit Name</u>
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Investigation Comments :

I. INTRODUCTION
Introduction

On January 21, 2014, Texas Commission on Environmental Quality (TCEQ) Region 11 staff, Rick Ciampi and Wallace Myers, observed the sampling of the Industrial Asphalt, LLC (IA), North Asphalt Plant 2 (Plant), Dryer Baghouse Stack (EPN 10), to demonstrate compliance with permitted limits of particulate matter (PM) 10 and 2.5. EPN 10 is authorized by New Source Review Permit No. 72901L001 (Permit), effective December 5, 2005 and revised August 9, 2013. Due to the fact that the Plant recently installed new control equipment for EPN 10, testing is

required. Initial testing was conducted on June 20-21, 2005, and the results of this test can be reviewed under CCEDS INV No. 430989. Special Condition 20 of the Permit requires that the Plant establish the actual pattern and quantities of air contaminants being emitted, specifically, but not limited to, PM10 and PM2.5 for EPN 10, in accordance with the most recent Maximum Allowable Emission Rate table (MAERT), effective August 9, 2013. The Plant is located at 1725 CR 239, Georgetown, Williamson County, Texas. All methods utilized are listed below in the "SAMPLING INFORMATION" Section. On December 11, 2013 the sampling protocol was e-mailed to the Investigator. (See Attachment A)

Daily Narrative

The TCEQ investigators arrived on-site at approximately 0830, on January 21, 2014. The investigators were met by Mr. Josh Butler, representing Westward Environmental. The sampling team from Metco Environmental, consisted of Mr. Shane Lee, Mr. Will Stuteville and Mr. Sean Dowden. During Run 1 the investigator observed the pre and post leak check, probe wash sample recovery and the start of the nitrogen purge, and the pre-leak check for Run 2. During Run 1; the temperature of the stack was 209 degrees Fahrenheit (F), the temperature of the probe was 239 F, the Filter box was 210 F, the condensable particulate filter (CPM) was 59 F. No issues were noted.

Exit Interview

There was no exit interview conducted and there was no exit interview form given to the regulated entity.

II. GENERAL FACILITY AND PROCESS INFORMATION

Process Description:

Aggregate feed materials are delivered to the asphalt plant site and stored in stockpiles to be utilized in the production of asphalt concrete. These coarse and fine aggregates are placed into bins by a front end loader. The aggregates are withdrawn from their respective bin compartments in predetermined proportions onto the belt feeders. The conveyor beneath the cold feed bin transports the material onto the gathering conveyor and then onto the scalping screen. Oversize from the screen is removed. The material that passes through the screen is conveyed to a belt that transports the material to the counter flow drum mixer. The material is heated, dried and passed through the mixing zone where it is mixed with preheated liquid asphalt cement (AC). Liquid asphalt is pumped from delivery tankers into the AC storage tanks and is preheated by an oil heater. Hydrated lime can also be added through an enclosed system into the drum mixer. The hot asphalt is discharged to the elevating drag conveyor where it is transported into the mix storage silo to await truck load out requirements. When used, recycled asphalt pavement (RAP) replaces up to 50% of the aggregate in the mix. RAP is fed into the screen/lump breaker feed system where the lumps of asphalt pavement are broken up. The RAP is conveyed from its bin to the RAP collar where it is shielded from the burner flame. The aggregates, AC and RAP are mixed after passing the flame and discharged to the elevating drag conveyor. For a more complete process description see the file.

Source Tested: Dryer Baghouse Stack
EPN: 10
Location: Georgetown, Williamson County
Testing Required by:
Permit: 72901L001 Special Condition 20.
PSD: na
NSPS: 40 CFR Part 60, Subparts A and I
NESHAPS: na
Other: na

The unit sampled was a stack associated to the dryers' baghouse.

SAMPLING INFORMATION:

Pollutants Sampled and Test Methods used:

The traverse points were determined through EPA Method 1. The velocity and volumetric flow rate of the stack gas was determined through EPA Method 2. (See Attachment B) The Oxygen and Carbon Dioxide molecular weight of the stack gas was determined through EPA Method 3 (Orsat). (See Attachment C) The moisture content of the stack gas was determined through EPA Method 4. It should also be noted that reclaimed oil was used for combustion in the dryer.

Pollutant 1: PM10 and PM2.5

Sampling Method Required: EPA Method 5 (front half)/Method 202 (back half)

Pollutant 2: Opacity

Sampling Method Required: EPA Method 9 (concurrent with each run)

OTHER:

NOx Converter Check: Y/N No, NOx was not analyzed.

Stratification Check: Y/N, Yes, the Investigator observed the results of the stratification check and it appeared there was no stratification (See Attachment B)

Dilution System (Method 205): not applicable

1) Describe any deviations from the test method and/or test protocol witnessed during the test run observed. If deviations were approved before this date, no discussion is necessary.

None

2) Describe any unusual situations witnessed that might tend to bias the data obtained during the test run observed. Note if the production and/or operating parameters deviated from the approved sampling protocol.

None

3) Describe any audit materials given to the contractor at the time of the test.

No audit materials were provided.

4) Were any opacity readings conducted during the test? If so, who conducted the test and how long was each observation?

Yes, Mr. Josh Butler (SAN140114-9023) observed 30, six minute opacity readings during the testing.

PROCESS DATA:

Process Parameters Monitored 1: Pressure drop across baghouse

Method of Monitoring 1: Digital Acquisition handling System (DAHS)

Process Parameter Monitored 2: Dryer Temperature

Method of Monitoring 2: Digital Acquisition handling System (DAHS)

Process Parameter Monitored 3: Stack Temperature

Method of Monitoring 3: Digital Acquisition handling System (DAHS)

Process Parameter Monitored 4: Feed Rate

Method of Monitoring 4: Digital Acquisition handling System (DAHS)

Process Parameter Monitored 5: Dryer Fan Amperage

Method of Monitoring 5: Digital Acquisition handling System (DAHS)

1) Discuss any deviations from the process monitoring procedures which were either submitted in the sample protocol or agreed to in the pretest meeting.

No deviations from the process monitoring procedures were proposed prior to the testing.

2) Observer should collect a copy of the production and/or operating data which was required to be recorded and a copy of the sample collection data sheets from the testing company for the actual test run(s) observed.

Attachment C is the operating data from the facility. (Run 1) Attachment D is the preliminary ORSAT data sheet from the testing company. (Run 1) :

III. BACKGROUND

City: Georgetown

County: Williamson

Region: 11 (Austin)

Test Date(s): January 21, 2014

Sampling Consultant / Team Leader: Metco, Mr. Shane Lee

Company Contact: Westward, Josh Butler

COMPLIANCE HISTORY

Compliance History:

Industrial Asphalt, LLC (the applicant/customer) has a compliance history rating of 15.01 and a compliance classification of "satisfactory". North Asphalt Plant 2 (the regulated entity) has a compliance history rating of 2.00 and a classification of "satisfactory".

Current Enforcement Actions:

n/a

Agreed Orders, Court Orders, and Other Compliance Agreements:

n/a

Complaints:

A complaint investigation was conducted November 23 to December 4, 2009, and no violations were alleged; see Investigation No. 785188.

Prior Enforcement Issues:

A compliance investigation was conducted on June 5, 2012, and two violations were alleged for an opacity exceedance from the drum dryer fabric filter bag house (EPN 10) and for failure to maintain a copy of the permit at the facility; see Investigation No. 1015720. The violations were resolved under Investigation No. 1027103.

IV. ADDITIONAL INFORMATION

Time Observer Arrived at Site: 0830

Time Observer Left Site: 1330

Describe Meteorological Conditions During the Observation of the Test: The temperature ranged from 45 F to 58 F during the observation time, the winds were out of the northeast at approximately 10-16 miles per hour.

Were any Confidential Claims Made (yes/no)? no

Who Made the Confidential Claims?

Test Run(s) Observed: Run 1

Time of Run(s) Observed: Run 1 started at 1130 and ended at 1249.

Test Condition Observed: The temperatures of all components were acceptable.

Conclusions and Recommendations

Based on the representations made by the company and the stack sampling contractor, the sampling protocol appears to have been followed and the protocol appears to have met the sampling requirements of NSR Permit 72901L001.

Additional Discussion:

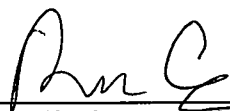
Not applicable

Areas of Concern:

Not applicable

No Violations Associated to this Investigation

Signed

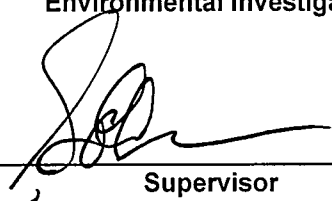


Environmental Investigator

Date

1/22/14

Signed



Supervisor

Date

1/29/14

Attachments: (in order of final report submittal)

___ Enforcement Action Request (EAR)

___ Letter to Facility (specify type) : _____

Investigation Report

___ Sample Analysis Results

___ Manifests

___ NOR

___ Maps, Plans, Sketches

___ Photographs

___ Correspondence from the facility

☒ Other (specify) :

ATT A - Sampling protocol

ATT B - Method 1/L problem sheet

ATT C - Facility notes

ATT D - Tester notes

TCEQ

Region 11 - Austin



Attachment A

Industrial Asphalt, LLC
Sampling Protocol.

Investigation Date: January 21, 2014

WESTWARD

Environmental Engineering Natural Resources

December 4, 2013

Texas Commission on Environmental Quality
Region 11 - Air Section
12100 Park 35 Circle
Bldg A, Rm 179
Austin, TX 78753

Project No. 10233-174

Attention: Region 11 Emissions Evaluator

Subject: Stack Test Notification - Permit No. 72901E001
Industrial Asphalt, LLC - CN603966698
Portable Hot Mix Asphalt Plant - RNI04336250
Georgetown, Williamson County, Texas

To Whom It May Concern,

On behalf of Industrial Asphalt, LLC, we would like to notify the TCEQ of the proposed stack test. The subject facility is located at 1725 CR 239 near Georgetown, Williamson County, Texas. Industrial Asphalt, LLC proposes to stack test the above mentioned source on January 21, 2014.

- Company Contact for Westward Environmental, Inc. is Josh Butler (830) 249-8284.
- Company Contact for Industrial Asphalt, LLC is Doug Wilcox (512) 251-3713.
- Testing Company Contact for METCO Environmental is Lewis Adams (972) 931-7127.
- Applicable Rules/Rcgs. - NSPS Subparts A and I
- Test Parameter(s) - PM10 & PM2.5 during both standard mix production and warm mix production using reclaimed industrial oil as fuel for the dryer
- Emission Point/Source Being Tested - EPN 10 Dryer Baghouse Stack
- A report will be submitted within 60 days of sampling.

Industrial Asphalt, LLC requests to waive the pre-test meeting requirement; however, if a pre-test meeting is required, we propose to hold the meeting via phone-call as soon as possible. A stack testing protocol prepared by METCO Environmental will be submitted to you shortly. If you have any questions, please do not hesitate to contact our office at (830) 249-8284.

Respectfully submitted,
WESTWARD ENVIRONMENTAL, INC.

Josh Butler
Environmental Specialist

Distribution: Addressee (Fax)
Mr. Doug Wilcox - Industrial Asphalt, LLC
WBI 10233-174 File

File / Phil.

RECEIVED

DEC 11 2013

**TCEQ FIELD OPERATIONS
AUSTIN REGION 11**

**Sampling Plan
For
Industrial Asphalt, LLC
Austin, Texas
December 5, 2013**

RN 104336250

Reason for Sampling:

Perform source emission testing on the
Dryer Baghouse Exhaust Stack (EPN 10) to
demonstrate compliance with TCEQ Air Quality
Permit Number 72901L001 and 40 CFR Part 60
Subpart A & I requirements.

**Pollutants to be Measured
and Sampling Procedures:**

Flow Rate:	EPA Methods 1-4
Particulate Matter:	EPA Method 5/202
Opacity:	EPA Method 9

Sampling Point Determination – EPA Method 1

The number and location of the traverse points in the stack will be determined according to the procedures outlined in EPA Method 1.

Flue Gas Velocity and Volumetric Flow Rate – EPA Method 2

The flue gas velocity and volumetric flow rate will be determined according to the procedures outlined in EPA Method 2. Velocity measurements will be made using type S Pitot tubes conforming to the geometric specifications outlined in EPA Method 2. Each Pitot tube is calibrated in METCO's own

**Pollutants to be Measured
and Sampling Procedures:**
(continued)

Flue Gas Velocity and Volumetric Flow Rate – EPA Method 2 (cont'd)

wind tunnel and a specific calibration coefficient is calculated. Differential pressures will be measured with fluid manometers of the appropriate range. Effluent gas temperatures will be measured with a chromel-alumel thermocouple equipped with a digital temperature indicator.

Flue Gas Composition and Molecular Weight – EPA Method 3

EPA Method 3 will be used to determine oxygen (O₂) and carbon dioxide (CO₂) concentrations in the flue gas stream. An integrated gas sample is extracted from the traverse points determined from EPA Method 1. Analysis will be conducted on-site using an Orsat analyzer. The dry molecular weight and percent excess air are calculated from Orsat analysis results.

Flue Gas Moisture Content – EPA Method 4

The flue gas moisture content will be determined according to the sampling and analytical procedures outlined in EPA Method 4. The impingers will be connected in series and will contain 100ml of DI H₂O in each of the first two impingers followed by a dry impinger and an impinger containing silica gel. The impingers will be contained in an ice bath in order to assure condensation of the moisture in the flue gas stream. Any moisture that is not condensed in the impingers is captured in the silica gel; therefore, all moisture can be weighed and entered into moisture content calculations.

**Pollutants to be Measured
and Sampling Procedures:**

(continued)

Particulate Matter – EPA Method 5/202

A representative sample of stack gas is extracted isokinetically through a heated probe, filter, condenser, and sample line from points located within equal areas of a cross-section of the stack. Particulate matter is collected on a glass fiber filter and emissions are calculated from gravimetric analysis using the "front-half" and "back-half" collections from the EPA-type sampling train.

A Pyrex glass heated probe with an attached gooseneck nozzle is placed at each traverse point located in the stack. The sample gas is drawn through a heated oven maintained at 248°F ($\pm 25^\circ$) containing an in-line filter followed by a series of four impingers cooled in an ice bath. The sample is then drawn through a vacuum line by a sample pump with a bypass valve, followed by a dry gas meter and calibrated orifice.

The sampling train is leak-checked at the nozzle at 15 inches of mercury vacuum before each test, and leak-checked at the nozzle after each test at the highest vacuum reading recorded during the test.

The condensable particulate matter (CPM) is collected in the impinger portion of the sample train. The impinger contents are immediately purged after the run with nitrogen to remove dissolved sulfur dioxide gases from the impinger contents at a rate of 14 liters per minute for at least one hour. The impinger solution is then recovered and rinsed with acetone and hexane. The CPM filter is also recovered. The organic and aqueous fractions, as well as the CPM filter, are then taken to dryness and the residues weighed. The total of all fractions represents the CPM.

Each run will be a minimum of 60 minutes in duration. The presence of cyclonic flow will be checked at each traverse point and documented.

**Pollutants to be Measured
and Sampling Procedures:**
(continued)

Opacity – EPA Method 9

The visible emissions determinations will be conducted using EPA Method 9. Thirty, six-minute readings will be made. Visible emissions determinations will be noted and recorded at fifteen-second intervals.

Type of Source:	Hot and Warm Mix Asphalt Plant	
Number of Stacks to be Sampled:	One (1) Baghouse Outlet Stack	
Duration of Tests:	Triplicate, sixty-minute samples at each of two unit operating conditions (Warm Mix & Hot Mix).	
Sampling Schedule:	Day 1:	Travel to plant Safety Orientation Set up equipment
	Day 2:	Collect Prelim Flow Data Calculate Nozzle Size and Isokinetic Sampling Rates Conduct Testing 1 st Condition Recover Samples
	Day 3:	Collect Prelim Flow Data Calculate Nozzle Size and Isokinetic Sampling Rates Conduct Testing 2 nd Condition Recover Samples Move-off equipment Travel to METCO offices

**Sampling Company
and Contact:**

METCO Environmental, Inc.
P. O. Box 598
Addison, Texas 75001

Mr. Lewis Adams
972-931-7127 – phone
972-931-8398 – fax
ladams@metcoenv.com

TCEQ

Region 11 - Austin



Attachment B

Industrial Asphalt, LLC
Method 1 and 2 prelim sheets.

Investigation Date: January 21, 2014

PRELIMINARY VELOCITY TRAVERSE DATA
AND
SAMPLING LOCATION DATA

Job Number 14-012

Job Name Industrial Asphalt

Sampling Location Dryer Bungalow Stack

Date _____ Time _____

Stack Height 29.30 ft.

Sampling Port Height Above Ground 27 ft.

	Port A	Port B	Port C	Port D	Average
Port & Inside Diameter (in.)	<u>53"</u>	<u>53"</u>			
Port & Wall Thickness (in.)	<u>3 1/4"</u>	<u>3 1/4"</u>			
Inside Stack Diameter (in.)	<u>49 3/4"</u>	<u>49 3/4"</u>			

Sampling Ports are 14 ft. 0 in.

(3.4 stack diameters) downstream from disturbance
(inlet, constriction, bend, expansion)

Sampling Ports are 2 ft. 10 1/2 in.

(0.7 stack diameters) upstream from disturbance
(outlet, constriction, bend, expansion)

Point Number	Percent Diameter	Distance from Ref. Point (decimal in.)	Distance from Ref. Point (fractional in.)	Port A $\Delta P/T_s/\alpha$	Port B $\Delta P/T_s/\alpha$	Port C $\Delta P/T_s/\alpha$	Port D $\Delta P/T_s/\alpha$
1	0.021	1.044	1 1/16	1 1-5	1 1-5	1 1	1 1
2	0.067	3.333	3 5/16	1 1-5	1 1-10	1 1	1 1
3	0.118	5.871	5 7/8	1 1-5	1 1-10	1 1	1 1
4	0.177	8.806	8 13/16	1 1-5	1 1-10	1 1	1 1
5	0.250	12.438	12 7/16	1 1-5	1 1-5	1 1	1 1
6	0.356	17.711	17 3/4	1 1-3	1 1-0	1 1	1 1
7	0.644	32.039	32 1/16	1 1-5	1 1-5	1 1	1 1
8	0.750	37.313	37 5/16	1 1-5	1 1-5	1 1	1 1
9	0.823	40.944	40 17/16	1 1-5	1 1-5	1 1	1 1
10	0.882	43.880	43 7/8	1 1-10	1 1-10	1 1	1 1
11	0.933	46.417	46 7/16	1 1-10	1 1-10	1 1	1 1
12	0.979	48.705	48 11/16	1 1-10	1 1-10	1 1	1 1
13				1 1	1 1	1 1	1 1
14				1 1	1 1	1 1	1 1
15				1 1	1 1	1 1	1 1
16				1 1	1 1	1 1	1 1
17				1 1	1 1	1 1	1 1
18				1 1	1 1	1 1	1 1
19				1 1	1 1	1 1	1 1
20				1 1	1 1	1 1	1 1
21				1 1	1 1	1 1	1 1
22				1 1	1 1	1 1	1 1
23				1 1	1 1	1 1	1 1
24				1 1	1 1	1 1	1 1

Pilot Tube No. 49-5-8

C_p = 0.812

P_s = 29.41 "Hg

P_a = -0.4 "H₂O 29.38 "Hg

A_s = 1944 in.²

Average ΔP _____

Average $\Delta P^{1/2}$ _____

Average T_s _____ °F

Average α 7 degrees

TCEQ

Region 11 - Austin



Attachment C

Industrial Asphalt, LLC
Facility Data.

Investigation Date: January 21, 2014

EPN DRYER STACK: Dryer Baghouse Stack - EPN 10

TYPE OF FUEL:

PERCENT SULPHUR:

ASPHALT MIX TYPE:

[illegible]

TCEQ

Region 11 - Austin



Attachment D

Industrial Asphalt, LLC
Testing Company Data.

Investigation Date: January 21, 2014

ORSAT ANALYSIS DATA FORM

Job Number: 14-012
 Job Name: Industrial Asphalt
 Location: Georgetown, TX
 Date: 1/21/14
 Audit Cylinder # CC107243

Sample Location: Oyster Bargehouse Street
 Analytical Method: 5/202
 Sample Type: Single point or Multi point; Grab or Integrated
 Leak Check: Time: 50 (min. 4 minutes) Rate: 0.0
 Operator: Lee / Stuteville

Audit Gas Values	Analysis 1	Analysis 2	Analysis 3	Average - % Vol.
CO ₂ - % Vol. <u>11.2</u>	<u>11.3</u>	<u>11.3</u>	<u>11.2</u>	<u>11.3</u>
O ₂ - % Vol. <u>11.1</u>	<u>11.1</u>	<u>11.1</u>	<u>11.1</u>	<u>11.1</u>

Audit Cylinder # ALM053386

Audit Gas Values	Analysis 1	Analysis 2	Analysis 3	Average - % Vol.
CO ₂ - % Vol. <u>20.4</u>	<u>20.2</u>	<u>20.2</u>	<u>20.2</u>	<u>20.2</u>
O ₂ - % Vol. <u>19.9</u>	<u>20.0</u>	<u>20.0</u>	<u>20.0</u>	<u>20.0</u>

Run Number <u>1</u> Run Time <u>1130-</u>	Analysis 1	Analysis 2	Analysis 3	Average - % Vol.
CO ₂ - % Vol.				
O ₂ - % Vol.				
CO - % Vol.				
N ₂ - % Vol.				

Run Number <u>2</u> Run Time _____	Analysis 1	Analysis 2	Analysis 3	Average - % Vol.
CO ₂ - % Vol.				
O ₂ - % Vol.				
CO - % Vol.				
N ₂ - % Vol.				

Run Number <u>3</u> Run Time _____	Analysis 1	Analysis 2	Analysis 3	Average - % Vol.
CO ₂ - % Vol.				
O ₂ - % Vol.				
CO - % Vol.				
N ₂ - % Vol.				

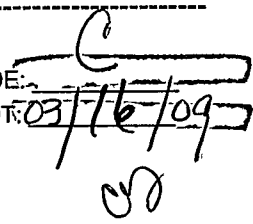
QA/QC Check

Completeness _____ Legibility _____ Accuracy _____ Specifications _____ Reasonableness _____

Checked by: _____

03/09/2009 -----NSR IMS - PROJECT RECORD -----

PROJECT#: 143727 PERMIT#: 72901L001 STATUS: PENDING
RECEIVED: 01/15/2009 PROJTYPE: REVISION AUTHTYPE: CONSTRUCT
RENEWAL: 12/02/2015
PROJECT ADMIN NAME: UPDATE TO SITE MAP
PROJECT TECH NAME: HOT MIX ASPHALT PLANT

DISP CODE: 

ISSUED DT: 03/16/09

Assigned Team: MECH/CONST TEAM**STAFF ASSIGNED TO PROJECT:**

MONROE , SHEILA	- REVIEWR1_2 -	AP INITIAL REVIEW
STRATMANN , SHELLEY	- REVIEW ENG -	MECH/CONST TEAM

CUSTOMER INFORMATION (OWNER/OPERATOR DATA)

ISSUED TO: RTI HOT MIX LTD
COMPANY NAME: RTI HOT MIX LTD
CUSTOMER REFERENCE NUMBER: CN602684359

REGULATED ENTITY/SITE INFORMATION

REGULATED ENTITY NUMBER: RN104336250 ACCOUNT: 960132G
SITE NAME: RTI HOT MIX ASPHALT PLANT 2

RECEIVED
OCT 26 2009
TCEQ
CENTRAL FILE ROOM

PORTABLE DATA

REGION 11 - AUSTIN
APPLIED FOR NEAR CITY NAME: FLORENCE APPLIED FOR COUNTY NAME: WILLIAMSON
APPLIED FOR PHYSICAL LOCATION: 6051 STATE HIGHWAY 195

CONTACT DATA

CONTACT NAME: MR CLYDE C FULLER CONTACT ROLE: RESPONSIBLE OFFICIAL
JOB TITLE: VICE PRESIDENT ORGANIZATION: RTI HOT MIX LTD
MAILING ADDRESS: 16409 BRATTON LN , AUSTIN, TX, 78728-2406
PHONE: (512) 251-3713 Ext: 0
FAX: (512) 251-3709 Ext: 0

CONTACT NAME: MR SERGIO MARTINEZ CONTACT ROLE: TECHNICAL CONTACT
JOB TITLE: STAFF ENGINEER ORGANIZATION: WESTWARD ENVIRONMENTAL INC
MAILING ADDRESS: PO BOX 2205 , BOERNE, TX, 78006-3602
PHONE: (830) 249-8284 Ext: 0
FAX: (830) 249-0221 Ext: 0
EMAIL: SMARTINEZ@WESTWARDENV.COM

PROJECT NOTES:

01/20/2009 DFC 1/20/09

PERMIT NOTES:**TRACKING ELEMENTS:**

TE Name	Start Date	Complete Date
APIRT RECEIVED PROJECT (DATE)	01/15/2009	
CENTRAL REGISTRY UPDATED	01/16/2009	01/16/2009
APIRT TRANSFERRED PROJECT TO TECHNICAL STAFF (DATE)	01/20/2009	
PROJECT RECEIVED BY ENGINEER (DATE)	01/22/2009	
WPO FINAL PACKAGE CYCLE	02/24/2009	03/04/2009
FINAL PACKAGE TO SECTION MANAGER FOR REVIEW (DATE)	03/09/2009	
FINAL PACKAGE TO TEAM LEADER OR SUPERVISOR FOR REVIEW (DATE)	03/09/2009	

UNIT TYPES:Project Unit Type:Permit Unit Type:

Buddy Garcia, *Chairman*
Larry R. Soward, *Commissioner*
Bryan W. Shaw, Ph.D., *Commissioner*
Mark R. Vickery, P.G., *Executive Director*



S. Stratman

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY
Protecting Texas by Reducing and Preventing Pollution

March 16, 2009

MR CLYDE C FULLER
VICE PRESIDENT
RTI HOT MIX LTD
16409 BRATTON LN
AUSTIN TX 78728-2406

Re: Permit Alteration
Permit Number: 72901L001
Hot Mix Asphalt Plant
Florence, Williamson County
Regulated Entity Number: RN104336250
Customer Reference Number: CN602684359
Account Number: 96-0132-G

Dear Mr. Fuller:

This is in response to your letter received January 15, 2009, requesting alteration of the representations of the above-referenced permit. We understand that the property adjacent to the site was acquired and added to the existing site; the two sites were combined into one site as the Kucera Quarry.

As indicated in Title 30 Texas Administrative Code § 116.116(c) [30 TAC § 116.116(c)], and based on our review, Permit Number 72901L001 is altered. Please attach this letter to your permit.

As of July 1, 2008, all analytical data generated by a mobile or stationary laboratory in support of compliance with air permits must be obtained from a NELAC (National Environmental Laboratory Accreditation Conference) accredited laboratory under the Texas Laboratory Accreditation Program or meet one of several exemptions. Specific information concerning which laboratories must be accredited and which are exempt may be found in 30 TAC §§ 25.4 and 25.6.

For additional information regarding the laboratory accreditation program and a list of accredited laboratories and their fields of accreditation, please see the following website:

http://www.tceq.state.tx.us/compliance/compliance_support/qa/env_lab_accreditation.html

Mr. Clyde C. Fuller
Page 2
March 16, 2009

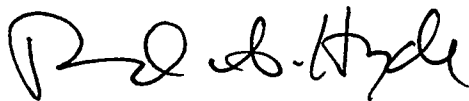
Re: Permit Number 72901L001

For questions regarding the accreditation program, you may contact the Texas Laboratory Accreditation Program at (512) 239-3754 or by e-mail at labprgms@tceq.state.tx.us.

Your cooperation in this matter is appreciated. If you need further information or have any questions, please contact Ms. Shelley Stratmann at (512) 239-3752 or write to the Texas Commission on Environmental Quality, Office of Permitting and Registration, Air Permits Division, MC-163, P.O. Box 13087, Austin, Texas 78711-3087.

This action is taken under authority delegated by the Executive Director of the Texas Commission on Environmental Quality.

Sincerely,



Richard A. Hyde, P.E., Director
Air Permits Division
Office of Permitting and Registration
Texas Commission on Environmental Quality

RAH/SS/sj

cc: Mr. Sergio Martinez, Staff Engineer, Westward Environmental, Inc., Boerne
Air Section Manager, Region 11 - Austin

Project Number: 143727

**Permit Alteration
Source Analysis & Technical Review**

Company	RTI Hot Mix LTD	Permit Number	72901L001
City	Florence	Project Number	143727
County	Williamson	Account Number	96-0132-G
Project Type	Revision	Regulated Entity Number	RN104336250
Project Reviewer	Ms. Shelley Stratmann	Customer Reference Number	CN602684359
Site Name	Hot Mix Asphalt Plant		

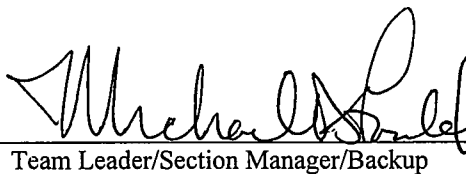
Project Overview

RTI Hot Mix LTD has requested an alteration to the existing Air Quality Permit 72901L001 site map. The property adjacent to the site was acquired and added to the existing site; the two sites were combined into one site as the Kucera Quarry. No changes have been made to the Special Conditions or MAERT. Alteration applications were also submitted for Permits 980B and 70551L001 for two rock crushing facilities that are also located at this newly combined site. The site maps were updated for those permits as well. The rock crushing facility authorized under Permit 70551L001 will be relocating onsite and will abide by the distance limitations set in the permit.

Permit Concurrence and Related Authorization Actions

Is the applicant in agreement with special conditions?	N/A
Company representative(s):	Mr. Sergio Martinez
Other permit(s) or permits by rule affected by this action:	980B and 70551L001
List permit and/or PBR number(s) and actions required or taken:	No action required

 3/9/09
Project Reviewer Date

 3/09/2009
Team Leader/Section Manager/Backup Date



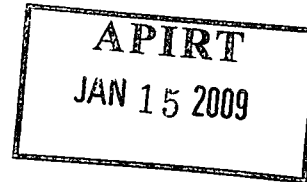
Westward Environmental, Inc.

*P.O. Box 2205
BOERNE, TEXAS
78006*

January 14, 2009

Texas Commission on Environmental Quality
Air Permits Initial Review Team, MC-161
P.O. Box 13087
Austin, Texas 78711-3087

Project No.: 10233-61



Attention: Don Nelon

Subject: Updated Site Map for Existing Permit # 72901L001
RTI Hot Mix, Ltd. - CN 602684359
Hot Mix Asphalt Plant # 2 - RN 104336250
Kucera Quarry, Georgetown, Williamson County, Texas

Mr. Nelon,

On behalf of RTI Hot Mix, Ltd. we request an alteration to the existing Permit # 72901L001 site map. A copy of permit 72901L001, Core Data Form and the updated site map have been attached. The property adjacent to the site originally represented on the permit application was acquired and added to the existing site; the two sites were combined into one site (Kucera Quarry). Please place the updated site map and attachments in the project file.

Westward Environmental, Inc. (WEI) will serve as the technical representative for RTI Hot Mix, Ltd. on this project. **Please ensure that WEI is copied on all correspondence.**
If you have any questions, please contact our office.

Respectfully submitted,
WESTWARD ENVIRONMENTAL, INC.

Sergio Martinez
Sergio Martinez
Staff Engineer

Distribution: Addressee
TCEQ Region 11 - Air
Mr. John Ramming - RTI Hot Mix, Ltd.
WEI 10233-61 file

143727

Attachments



For detailed instructions regarding completion of this form, please read the Core Data Form Instructions or call 512-239-5175.

SECTION I: General Information

SECTION II: Customer Information

SECTION III: Regulated Entity Information

TCEQ-10400 (09/07)

Hot Mix Asphalt Plant # 2							
24. Street Address of the Regulated Entity: (No P.O. Boxes)	6051 State Highway 195						
	City	Georgetown	State	TX	ZIP	78628	ZIP + 4
25. Mailing Address:	P.O. Box 2989						
	City	Pflugerville	State	TX	ZIP	78691	ZIP + 4
26. E-Mail Address:							
27. Telephone Number		28. Extension or Code		29. Fax Number (if applicable)			
(512) 251-3713				(512) 251-3709			
30. Primary SIC Code (4 digits)		31. Secondary SIC Code (4 digits)		32. Primary NAICS Code (5 or 6 digits)		33. Secondary NAICS Code (5 or 6 digits)	
1422				212312			
34. What is the Primary Business of this entity? (Please do not repeat the SIC or NAICS description.)							
Construction Materials							

Questions 34 – 37 address geographic location. Please refer to the instructions for applicability.

35. Description to Physical Location:							
36. Nearest City		County		State		Nearest ZIP Code	
Florence		Williamson		TX		78628	
37. Latitude (N) In Decimal:				38. Longitude (W) In Decimal:			
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		

39. TCEQ Programs and ID Numbers Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form or the updates may not be made. If your Program is not listed, check other and write it in. See the Core Data Form instructions for additional guidance.

☐ Dam Safety	☐ Districts	☐ Edwards Aquifer	☐ Industrial Hazardous Waste	☐ Municipal Solid Waste
☒ New Source Review – Air	☐ OSSF	☐ Petroleum Storage Tank	☐ PWS	☐ Sludge
72901L001				
☐ Stormwater	☐ Title V – Air	☐ Tires	☐ Used Oil	☐ Utilities
☐ Voluntary Cleanup	☐ Waste Water	☐ Wastewater Agriculture	☐ Water Rights	☒ Other:
				Unknown

SECTION IV: Preparer Information

40. Name:		Sergio Martinez		41. Title:		Consultant	
42. Telephone Number		43. Ext./Code		44. Fax Number		45. E-Mail Address	
(830) 249-8284				(830) 249-0221		smartinez@westwardenv.com	

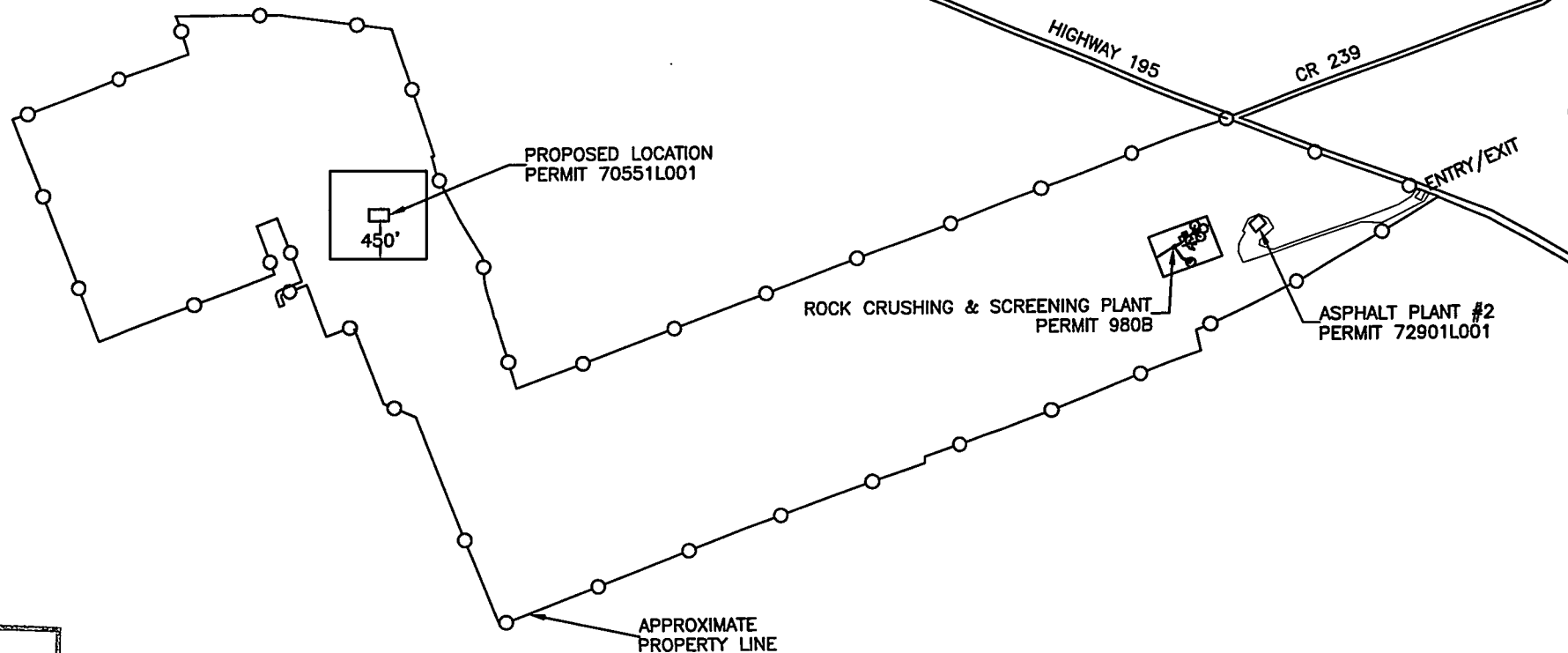
SECTION V: Authorized Signature

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 2, and/or as required for the updates to the ID numbers identified in field 39.

(See the Core Data Form instructions for more information on who should sign this form.)

Company:		Job Title:		Phone: () -	
Name (In Print):		Signature:		Date:	

APERT
JAN 15 2008



APIRT
 JAN 15 2008



0 2000 4000

 1" = 2000'

Westward Environmental, Inc.
 P.O. Box 2205
 Boerne, Texas 78006
 (830) 249-8284 Fax: (830) 249-0221

REV.	DESCRIPTION	BY	DATE
COMPANY NAME: RTI HOT MIX, LTD		DRAWN BY: sm	CHECKED BY: mf
JOB NAME: UPDATE SITE MAP - Prmt 72901L001		SCALE: 1" = 2000'	
LOCATION: KUCERA Q., GEORGETOWN, WILLIAMSON		DATE: 09/11/2008	
IMAGE: NONE		JOB NUMBER:	DRAWING NAME:
DESCRIPTION: SITE MAP		10233-61	233-61sm.dwg

Kathleen Hartnett White, *Chairman*
R. B. "Ralph" Marquez, *Commissioner*
Larry R. Soward, *Commissioner*
Glenn Shankle, *Executive Director*



62 17.8.05

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 2, 2005

Mr. Clyde C. Fuller
Vice President
RTI Hot Mix, Ltd
P.O. Box 2989
Pflugerville, Texas 78691-2989

Re: Permit Application
Permit Number: 72901L001
Hot Mix Asphalt Plant # 2
Florence, Williamson County
Regulated Entity Number: RN104336250
Customer Reference Number: CN602684359

Dear Mr. Fuller:

This is in response to your Form PI-1, entitled "General Application for Air Preconstruction Permits and Amendments," concerning the above-referenced facility. This will acknowledge that your application for the above-referenced permit is technically complete as of October 10, 2005. We appreciate your cooperation in sending us the information necessary to evaluate your proposal.

A permit for your new facility is enclosed. The permit contains several general and special conditions that define the level of operation and allowable emissions. In addition, the construction and operation of the facilities must be as represented in the application.

This permit will be automatically void upon the occurrence of any of the following, as indicated in Title 30 Texas Administrative Code (30 TAC) § 116.120(a):

1. Failure to begin construction within 18 months of the date of issuance,
2. Discontinuance of construction for more than 18 months prior to completion, or
3. Failure to complete construction within a reasonable time.

Mr. Clyde C. Fuller

Page 2

December 2, 2005

Re: Permit Number: 72901L001

Upon request, the Texas Commission on Environmental Quality (TCEQ) Executive Director may grant extensions as allowed in 30 TAC § 116.120(b).

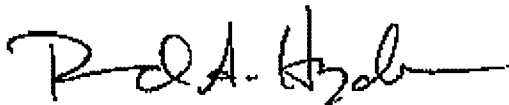
This permit will be in effect for ten years from the date of approval.

Please reference the TCEQ air account number, regulated entity reference number (RN), and customer reference number (CN) included in this document in all future correspondence. Before the Central Registry program began, the TCEQ assigned air account numbers. In the Central Registry computer application, the RN is a unique number assigned to the facility (if portable) or site (if permanent), and the CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by the company or corporation.

Thank you for your cooperation and interest in air pollution control. If you need further information or have any questions, please contact Mr. Larry Buller at (512) 239-1890 or write to the Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

This action is authorized on behalf of the TCEQ Executive Director.

Sincerely,



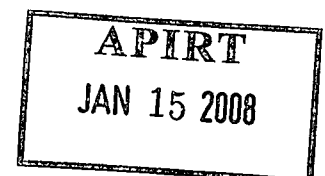
Richard A. Hyde, P.E., Director
Air Permits Division
Office of Permitting, Remediation, and Registration
Texas Commission on Environmental Quality

RH/LB/hob

Enclosures

cc: Ms. Melissa Steele, Environmental Specialist, Westward Environmental Inc, Boerne
Air Section Manager, Region 11 - Austin

Project Number: 114400





TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

AIR QUALITY PERMIT

A PERMIT IS HEREBY ISSUED TO

RTI Hot Mix, Ltd.

AUTHORIZING THE CONSTRUCTION AND OPERATION OF

Hot Mix Asphalt Plant

LOCATED AT Florence, Williamson County, Texas

LATITUDE 31° 45' 11" LONGITUDE 097° 43' 36"

(30)



1. Facilities covered by this permit shall be constructed and operated as specified in the application for the permit. All representations regarding construction plans and operation procedures contained in the permit application shall be conditions upon which the permit is issued. Variations from these representations shall be unlawful unless the permit holder first makes application to the Texas Commission on Environmental Quality (commission) Executive Director to amend this permit in that regard and such amendment is approved. [Title 30 Texas Administrative Code § 116.116 (30 TAC § 116.116)]
2. **Voiding of Permit.** A permit or permit amendment is automatically void if the holder fails to begin construction within 18 months of the date of issuance, discontinues construction for more than 18 months prior to completion, or fails to complete construction within a reasonable time. Upon request, the executive director may grant an 18-month extension. Before the extension is granted the permit may be subject to revision based on best available control technology, lowest achievable emission rate, and netting or offsets as applicable. One additional extension of up to 18 months may be granted if the permit holder demonstrates that emissions from the facility will comply with all rules and regulations of the commission, the intent of the TCAA, including protection of the public's health and physical property; and (b)(1) the permit holder is a party to litigation not of the permit holder's initiation regarding the issuance of the permit; or (b)(2) the permit holder has spent, or committed to spend, at least 10% of the estimated total cost of the project up to a maximum of \$5 million. A permit holder granted an extension under subsection (b)(1) of this section may receive one subsequent extension if the permit holder meets the conditions of subsection (b)(2) of this section. [30 TAC § 116.120(a), (b) and (c)]
3. **Construction Progress.** Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the commission not later than 15 working days after occurrence of the event. [30 TAC § 116.115(b)(2)(A)]
4. **Start-up Notification.** The appropriate air program regional office shall be notified prior to the commencement of operations of the facilities authorized by the permit in such a manner that a representative of the commission may be present. The permit holder shall provide a separate notification for the commencement of operations for each unit of physical construction, which may involve a series of units commencing operations at different times. Prior to operation of the facilities authorized by the permit, the permit holder shall identify to the Office of Permitting, Remediation, and Registration the source or sources of allowances to be utilized for compliance with Chapter 101, Subchapter II, Division 3 of this title (relating to Mass Emissions Cap and Trade Program). [30 TAC § 116.115(b)(2)(B)]
5. **Sampling Requirements.** If sampling is required, the permit holder shall notify the commission's Office of Compliance and Enforcement prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant. [30 TAC § 116.115(b)(2)(C)]
6. **Equivalency of Methods.** The permit holder must demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the permit. Alternative methods shall be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the permit. [30 TAC § 116.115(b)(2)(D)]
7. **Recordkeeping.** The permit holder shall maintain a copy of the permit along with records containing the information and data sufficient to demonstrate compliance with the permit, including production records and operating hours; keep all required records in a file at the plant site. If, however, the facility normally operates unattended, records shall be maintained at the nearest staffed location within Texas specified in the application; make the records available at the request of personnel from the commission or any air pollution control program having jurisdiction; comply with any additional recordkeeping requirements specified in special conditions attached to the permit; and retain information in the file for at least two years following the date that the information or data is obtained. [30 TAC § 116.115(b)(2)(E)]
8. **Maximum Allowable Emission Rates.** The total emissions of air contaminants from any of the sources of emissions must not exceed the values stated on the table attached to the permit entitled "Emission Sources--Maximum Allowable Emission Rates." [30 TAC § 116.115(b)(2)(F)]
9. **Maintenance of Emission Control.** The permitted facilities shall not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. The permit holder shall provide notification for upsets and maintenance in accordance with § 101.201, 101.211, and 101.221 of this title (relating to Emissions Event Reporting and Recordkeeping Requirements; Scheduled Maintenance, Start-up and Shutdown Reporting and Recordkeeping Requirements; and Operational Requirements). [30 TAC § 116.115(b)(2)(G)]
10. **Compliance with Rules.** Acceptance of a permit by an applicant constitutes an acknowledgment and agreement that the permit holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the granting of the permit. If more than one state or federal rule or regulation or permit condition are applicable, the most stringent limit or condition shall govern and be the standard by which compliance shall be demonstrated. Acceptance includes consent to the entrance of commission employees and agents into the permitted premises at reasonable hours to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the permit. [30 TAC § 116.115(b)(2)(H)]
11. This permit may be appealed pursuant to 30 TAC § 50.139.
12. This permit may not be transferred, assigned, or conveyed by the holder except as provided by rule. [30 TAC § 116.110(c)]
13. There may be additional special conditions attached to a permit upon issuance or modification of the permit. Such conditions in a permit may be more restrictive than the requirements of Title 30 of the Texas Administrative Code. [30 TAC § 116.115(c)]
14. Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in TCAA § 382.003(3) or violate TCAA § 382.085, as codified in the Texas Health and Safety Code. If the executive director determines that such a condition or violation occurs, the holder shall implement additional abatement measures as necessary to control or prevent the condition or violation.

PERMIT 729011100

Date: December 2, 2005

Glenn Shankle
Executive Director
Texas Commission on Environmental Quality

SPECIAL CONDITIONS

Permit Number 72901L001

EMISSION STANDARDS AND FUEL SPECIFICATIONS

1. This plant shall comply with all requirements of the U.S. Environmental Protection Agency (EPA) regulations in Title 40 Code of Federal Regulations (40 CFR) Part 60, Subpart A on General Provisions regarding Standards of Performance for New Stationary Sources, Subpart J on Standards of Performance for New Stationary Sources promulgated for Hot Mix Asphalt Plants, and Subpart OOO on Standards of Performance for New Stationary Sources promulgated for Nonmetallic Mineral Processing Plants.
2. Total emissions from this plant shall not exceed the values stated on the attached table entitled "Emission Sources - Maximum Allowable Emission Rates."
3. The applicant has represented the following:

Fuel for the dryer and hot oil heater shall be either pipeline sweet natural gas containing no more than 5 grains total sulfur and 0.25 grain hydrogen sulfide per 100 dry standard cubic feet (dscf), liquid petroleum gas, diesel fuel, first-run No. 2 fuel oil, first-run No. 4 fuel oil, or reclaimed industrial oil with a maximum sulfur content of 0.6 percent by weight. Reclaimed industrial oil shall meet all requirements specified in 40 CFR Part 279, Standards for the Management of Used Oil, and not contain more than the indicated amounts of the substances listed below in parts per million by weight (ppm):

<u>Substance</u>	<u>Concentration (ppm)</u>	<u>Substance</u>	<u>Concentration (ppm)</u>
Antimony	180	Selenium	75
Arsenic	3	Thallium	37
Beryllium	1	Vanadium	18
Cadmium	2	Lead	100
Chromium	9	Nickel	5
Mercury	37	Total Halogens	1000

Documentation from an approved independent testing laboratory that lists the concentrations of the above ingredients of the fuel shall be kept on-site at all times when a reclaimed industrial oil is used. Upon request by the Executive Director of the Texas Commission on Environmental Quality (TCEQ) or any local air pollution control program with jurisdiction, this documentation shall be provided to TCEQ staff to demonstrate compliance with the concentrations listed above and with the Federal Resource Conservation and Recovery Act (RCRA) Standards.

Use of any other fuel shall require prior written approval of the Executive Director of the TCEQ. Upon request by the Executive Director of the TCEQ or any local air pollution control program with jurisdiction, the holder of this permit shall provide a sample of the fuel(s) utilized in these plants or shall allow air pollution control program representatives to obtain a sample for analysis.

OPACITY/VISIBLE EMISSION LIMITATIONS

4. No visible fugitive emissions from the recycle asphalt products (RAP) Crusher, RAP Screen, aggregate screen, transfer points on belt conveyors, or stockpiles shall leave the property. Visible emissions shall be evaluated by a standard of no visible emissions exceeding 30 seconds in duration in any six-minute period as determined by the U.S. Environmental Protection Agency (EPA) Test Method (TM) 22. If this condition is violated, additional controls or process changes may be required to limit visible particulate matter (PM) emissions. Stack emissions may leave the plant property provided opacity restrictions are not violated.
5. According to EPA TM 9 or equivalent, opacity of emissions from the lime silo fabric filter baghouse and drum dryer fabric filter baghouse shall not exceed 5 percent averaged over a six-minute period, except for those times described in EPA document 40 CFR Part 60, Subpart A, § 60.11 (c). If 5 percent opacity is exceeded, sampling may be required.

OPERATIONAL LIMITATIONS AND WORK PRACTICES

6. As represented by the applicant, the following shall occur:
 - A. Production is limited to 400 tons per hour (tph) and 700,000 tons per year (tpy) for standard mix, 400 tph and 20,000 tpy for standard mix with asphalt rubber, and 175 tph and 17,500 tpy for cold mix.
 - B. Emissions from the drum dryer shall be vented to a fabric filter baghouse. The baghouse shall be installed in accordance with the manufacturer's specifications and operated properly.

The collected fines from the fabric filter baghouse shall be recycled back into the asphalt mix through an enclosed auger system.
 - C. The maximum mix temperature shall not exceed 350°F.

- D. Except for periods of start-up or shutdown not surpassing 20 minutes, the maximum mix temperature of the asphalt concrete shall not be exceeded. A temperature of asphalt concrete in excess of the maximum, confirmed by the TCEQ or any local air pollution control program with jurisdiction, may be cause for stack sampling. There may be multiple periods of start-up and shutdown during an operating day.

An opacity or an odor nuisance condition, as confirmed by the TCEQ or any local air pollution control program with jurisdiction, created by exceeding the maximum temperature, may be cause for additional controls and/or lowering of the asphalt concrete mixture temperature. If the nuisance condition persists, subsequent stack sampling may also be required.

Performance grade binders are authorized for use at this plant. The opacity and nuisance limitations are still in effect for this higher temperature.

- E. Plant roads, work areas, and aggregate stockpiles shall be sprayed with water and/or environmentally sensitive chemicals upon detection of visible PM emissions to maintain compliance with all the TCEQ rules and regulations. *as necessary*
- F. Lime shall be transported in a closed conveying system and all exhaust air to the atmosphere shall be vented through a fabric filter.
7. Asphalt additives represented for use at this plant are:

<u>Description</u>	<u>Maximum Concentration</u>
Hydrated Lime	<u>1</u> percent (%) by weight of aggregate
Liquid Amine Antistrip Agents	<u>2</u> % by weight of liquid asphalt in the mix
Styrene-Butadiene-Styrene	<u>10</u> % by weight of liquid asphalt in the mix
Styrene-Butadiene Rubberized Latex	<u>6</u> % by weight of liquid asphalt in the mix
Recycled Rubber	<u>18</u> % by weight of liquid asphalt in the mix
RAP	<u>50</u> % displacement of aggregate

Asphalt additives which have not been represented in the permit application shall not be used without prior written approval from the Executive Director of the TCEQ.

8. All stationary equipment authorized by this permit shall be prominently marked to show the assigned TCEQ regulated entity number or permit number, excluding the location suffix. (example: L001). These markings must be clearly visible. These identification markings shall be removed from the equipment when it is no longer authorized by the TCEQ.

APIRT
JAN 15 2008

MOVEMENT OF A PORTABLE PLANT

9. The following are requirements for movement of portable plants:

- A. Prior to moving permitted plants or sources to any new site (even if authorization for the site has previously been granted), the holder of the permit shall request relocation or change of location authorization and obtain written approval from a delegated representative of the TCEQ Executive Director. Additionally, once construction has begun at any site, the applicant shall notify the appropriate TCEQ Regional Office and local air pollution control programs in writing of the actual dates of start of construction and operation.
- B. The TCEQ Regional Office may approve the following types of relocations:
 - (1) A permitted plant and associated equipment moving to a site for support of a public works project when the proposed site is located in or contiguous to the right-of-way of the public works project, or
 - (2) A portable facility moving to a site where a portable facility has been located at the site at any time during the previous two years.
- C. If the holder of the permit meets either (1) or (2) above, then they shall submit a request letter to the appropriate TCEQ Regional Office prior to relocating. After evaluating the relocation request, the TCEQ Regional Office will send a written response to the permit holder. The permit holder shall submit the following information to the TCEQ Regional Office:
 - (1) Company name, address, company contact, and telephone number;
 - (2) Copy of existing permit conditions and the maximum allowable emission rates table that are in effect for the permitted facility;
 - (3) The TCEQ account, regulated entity number (RN), customer reference number (CN) and permit numbers;
 - (4) Location description of the proposed site (city, county, and exact location descriptions);
 - (5) A scaled plot plan that identifies the location of all equipment and stockpiles; and that the required distances to the property line can be met;

- (6) A scaled area map that identifies the distance and direction to the closest off-property receptor (if required) and clearly indicates how the facility is contiguous or adjacent to the public works project (if required);
 - (7) Proposed date for start of construction and expected date for start of operation;
 - (8) Expected time period at the proposed site; and
 - (9) If applicable, the permit number and the dates of operation of the plant that was at the proposed site in the last two years.
- D. To move a permitted plant and associated equipment to a site that does not meet either Special Condition No. 9B(1) or (2), the holder of this permit shall submit a change of location request to the TCEQ Air Permits Division, c/o Air and Waste Application Team, Permits Administrative Review Section, Registration, Review, and Reporting Division, MC-161, P.O. Box 13087, Austin, Texas 78711-3087 using a Form PL-1, along with all supporting documents. In accordance with the Texas Health and Safety Code § 382.056, the applicant may be required to publish public notice prior to being authorized for a change of location to a new site.
- E. All relocation and change of location applications shall comply with the following conditions.
- (1) This hot mix asphalt plant and all associated facilities and sources (silos, conveyors, screen, and equipment) shall be located a minimum of 650 feet from the property line and at least 1300 feet from another hot mix asphalt plant, or 550 feet from a concrete batch plant or rock crushing plant. If either of these distances cannot be met, then the hot mix asphalt plant authorized under this permit shall not operate at the same time as the concrete batch plant, rock crusher or other hot mix asphalt plant located on the site,
 - (2) Stockpiles and vehicle traffic areas (except for entrance and exit to the site) shall be located at least 25 feet from any property line. In lieu of meeting the distance requirements for roads and stockpiles, the following may occur:
 - a. Roads and other traffic areas within the buffer distance must be bordered by dust suppressing fencing or other barrier along all traffic routes or work areas. These borders shall be constructed to a height of at least eight feet; and
 - b. Stockpiles within this buffer distance must be contained within a three-walled bunker which extends at least two feet above the top of the stockpile.

INITIAL DETERMINATION OF COMPLIANCE

10. After initial start-up of the plant, one of the following shall occur:

- A. Stack sampling for PM emissions shall occur after initial start-up of the plant to comply with New Source Performance Standards Subpart A and I requirements. Requests for additional time to perform sampling shall be submitted to the TCEQ Regional Office. Additional time to comply with the applicable requirements of 40 CFR Part 60 requires EPA approval, and requests shall be submitted to the TCEQ Compliance Support Division.
- B. Initial stack sampling analysis for PM shall not be required of the holder of this permit provided that all of the following conditions are met:
 - (1) Adequate documentation, including copies of past test results, demonstrates to the satisfaction of the TCEQ Executive Director that the model of the asphalt concrete plant being constructed has been tested and shown to meet the 0.04 gr/dscf allowable. Consideration must be given to establishing similar operating conditions between the permitted facility and the plant tested.
 - (2) The permitted plant's visible emissions are equal to or less than 5 percent opacity.
 - (3) The permitted plant's maximum mix temperature is not exceeded.

CONTINUOUS DETERMINATION OF COMPLIANCE

- 11. Upon being informed by the TCEQ Executive Director that the staff has documented visible emissions from this plant exceeding 5 percent opacity, averaged over six consecutive minutes, the holder of this permit may be required to conduct stack sampling analyses or other tests to prove satisfactory equipment performance and demonstrate compliance with the 0.04 gr/dscf allowable. Sampling must be conducted in accordance with appropriate procedures of the TCEQ Sampling Procedures Manual or in accordance with applicable EPA Code of Federal Regulations procedures. Any deviations from those procedures must be approved by the TCEQ Executive Director prior to sampling.
- 12. The holder of this permit may be required to perform stack sampling analysis for PM and total volatile organic compounds and other testing as required to establish the actual pattern and quantities of air contaminants being emitted into the atmosphere from the exhaust stack when the maximum asphalt concrete mix temperature is exceeded.

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13. The TCEQ Regional Director may require stack sampling or ambient air monitoring to determine the opacity, rate, composition, and/or concentration of the plant's emissions. The holder of this permit may request the TCEQ Executive Director to approve alternate sampling techniques or other means to determine the opacity, rates, composition, and/or concentration of emissions in accordance with the 30 TAC § 101.8.

SAMPLING REQUIREMENTS

14. The holder of this permit is responsible for providing sampling and testing facilities and conducting the sampling and testing operations at his expense. Sampling ports and platforms shall be installed on the exhaust stack according to the specifications set forth in the attachment entitled "Chapter 2, Stack Sampling Facilities" prior to stack sampling. Alternate sampling facility designs may be submitted for approval by the Executive Director of the TCEQ.
15. A pretest meeting concerning the required monitoring shall be held with personnel from the TCEQ before the required tests are performed. Air contaminants to be tested for and the test methods to be used shall be determined at this pretest meeting.
 - A. Sampling shall occur within 60 days of being informed that testing is required.
 - B. The TCEQ Regional Office shall be notified not less than 45 days prior to sampling to schedule a pretest meeting. The notice to the TCEQ Regional Office shall include:
 - (1) Date for pretest meeting.
 - (2) Date sampling shall occur.
 - (3) Name of firm conducting sampling.
 - (4) Type of sampling equipment to be used.
 - (5) Method or procedure to be used in sampling.

The purpose of the pretest meeting is to review the necessary sampling and testing procedures, to provide the proper data forms for recording pertinent data, and to review the formal procedures for submitting the test results.

- C. A written proposed description of any deviation from sampling procedures specified in permit conditions or TCEQ or EPA sampling procedures shall be made available to the TCEQ prior to the pretest meeting. The TCEQ Regional Office shall approve or disapprove of any deviation from specified sampling procedures.

- D. The plant shall operate at maximum production rates during stack emissions testing. If the plant is unable to operate at the maximum rates during testing, then future production rates shall be limited to the rates established during testing (+10 percent). Additional stack testing shall be required when higher production rates are achieved.
- E. The sampling report shall include the following:
- (1) Plant production rate during tests.
 - (2) Type of fuel and consumption rates.
 - (3) Mix type and temperature.
 - (4) Percent sulfur in fuel.
 - (5) Concentration (by weight) of liquid asphalt, antistrip agents, or any additive present in the asphalt concrete mix.
- F. Copies of the final sampling report shall be submitted within 30 days after sampling is completed. Sampling reports shall comply with the provisions of Chapter 14 of the TCEQ Sampling Procedures Manual. The reports shall be distributed as follows:
- One copy to the appropriate TCEQ Regional Office,
 - One copy to the TCEQ Compliance Support Division.
 - One copy to each appropriate local air pollution control program.

RECORDKEEPING REQUIREMENTS

16. In addition to the recordkeeping requirements specified in General Condition No. 7 and 40 CFR Part 60, Subparts A and I, the following records shall be kept:
- A. Hourly and annual production rates of all mix types on a rolling 12 month annual basis,
 - B. Continuous temperature of the mix as monitored at the discharge point of the drum,
 - C. Dryer fuel type being used for each mix type,
 - D. Documentation from an approved independent testing laboratory listing concentrations of ingredients for reclaimed industrial oil.

Dated December 2, 2005

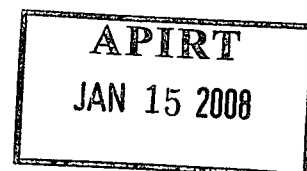
EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 72901L001

This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates [#]	
			lb/hr	TPY
10	Baghouse Stack (4)	PM	13.20 ✓	12.16 ✓
		PM ₁₀	9.20 ✓	8.48 ✓
		VOC(a)	12.80 ✓	11.80 ✓ 11.2c
		VOC(b)	306.25 ✓	15.31 ✓
		VOC(c)	90.40 ✓	2.26 ✓
		NO _x	22.00 ✓	20.28 ✓
		SO ₂	23.20 ✓	21.39 ✓
		CO	52.00 ✓	47.94 ✓
18	Asphalt Heater Vent (4)	PM ₁₀	0.06 ✓	0.13 ✓
		VOC	<0.01 ✓	0.01 ✓
		NO _x	0.35 ✓	0.77 ✓
		SO ₂	0.75 ✓	1.63 ✓
		CO	0.02 ✓	0.05 ✓
9	Lime Silo Baghouse (4)	PM ₁₀	0.05 ✓	0.02 ✓
16	Storage Silo Filling (4)	PM	0.32 ✓	0.29 ✓
		VOC	9.13 ✓	8.22 ✓
		CO	0.88 ✓	0.80 ✓
17	Truck LoadOut (4)	PM	0.33 ✓	0.30 ✓
		VOC	2.93 ✓	2.64 ✓
		CO	1.01 ✓	0.91 ✓
13	RAP Crusher (4)	PM	0.18 ✓	0.18 ✓
		PM ₁₀	0.09 ✓	0.09 ✓
15	RAP Screen (4)	PM	0.28 ✓	0.26 ✓
		PM ₁₀	0.14 ✓	0.13 ✓



AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY**
8	Aggregate Screen (4)	PM	0.67 ✓	0.62 ✓
		PM ₁₀	0.32 ✓	0.29 ✓
MHFUG1	RAP Material Handling (4, 5)	PM	0.07 ✓	0.06 ✓
		PM ₁₀	0.03 ✓	0.03 ✓
MHFUG2	Aggregate Material Handling (4, 6)	PM	0.21 ✓	0.20 ✓
		PM ₁₀	0.09 ✓	0.08 ✓
19A	35,000-gal. Liquid AC Tank (4)	VOC	<0.01 ✓	0.02 ✓
19B	35,000-gal. Liquid AC Tank (4)	VOC	<0.01 ✓	0.02 ✓
19C	20,000-gal. Liquid AC Tank (4)	VOC	<0.01 ✓	0.01 ✓
20A	20,000-gal. Fuel Oil Tank (4)	VOC	<0.01 ✓	0.02 ✓
20B	20,000-gal. Fuel Oil Tank (4)	VOC	<0.01 ✓	0.02 ✓
20C	10,000-gal. Diesel Fuel Tank (4)	VOC	<0.01 ✓	0.01 ✓
21	5,000-gal. Antistrip Tank (4)	VOC	0.04 ✓	0.19 ✓
SPFUG1	Aggregate Stockpiles (4)	PM		4.34 ✓
		PM ₁₀		2.17 ✓
SPFUG2	Cold Mix Stockpiles (4)	VOC(b)	2.10 ✓	7.66 ✓

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM_{10}
 PM_{10} - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
VOC(a) - asphalt vapors from standard mix and fuel combustion vapors
VOC(b) - diesel or kerosene vapors from cold mix, asphalt vapors, and fuel combustion vapors
VOC(c) - vapors from a rubber modified asphalt mix and fuel combustion vapors
 NO_x - total oxides of nitrogen
 SO_2 - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only.
- (5) Includes EPNs 11 and 12 ~~and 13~~
- (6) Includes EPN's 1 through 7

* Emission rates are based on and the facilities are limited by the following maximum operating schedule and production rates:

24 Hrs/day 7 Days/week 52 Weeks/year or 8,760 Hrs/year

RAP Crusher:	Tons/hour <u>150</u>	Tons/year <u>297,766</u>
Standard Hot Mix:	Tons/hour <u>400</u>	Tons/year <u>700,000</u>
Standard Hot Mix with Rubber:	Tons/hour <u>400</u>	Tons/year <u>20,000</u>
Cold Mix with Emulsion:	Tons/hour <u>175</u> Tons/week <u>1000</u>	Tons/year <u>17,500</u>

Dated December 2, 2005

