

DIGITAL PHOTOGRAPHIC LOG

1. Facility Name: Hanson Hardscape Products, Inc.
2. County / AIRS ID No: Polk / 1050372
3. Inspection Type: INS3: Site inspection and audit of visible emissions (VE) tests.
4. Inspection Date: 01/24/2012
5. Photo log completed: 02/03/2012
6. Type of Camera Used: Olympus Camedia Digital Camera, 5.0 Megapixel, C-50 ZOOM, S/N 115248297
7. Digital Recording Media: FUJIFILM xD-Picture Card, 128 MB, S/N DPC-128, R31695 5RZ7, 0244 MAD
8. All Digital Photos Were Copied To: Hard drive of desktop computer DEP 143271. Some photos are on this Digital Photographic Log, but many photos are redundant so have been left out of photo log.
9. Original Copy Is Stored In/On: Hard drive of desktop computer DEP 143271.
10. Were the photos altered?: NO X YES _____ explain yes:
11. Photographer: Amaury Betancourt
12. Signature of Photographer: _____



Photo ID No: 1050372_Photo_01_24_2012-1;
Time: Approx. 10:15 AM
View of Plant 4, camera facing approx. NNE. This photograph shows the approximate perspective from where the VE tests were conducted for Plant 4 silos (EU011, EU012, and EU013). A conveyor belt leads to eight storage bins (four are visible in the photograph, and four more are just North of the front four) with a structure enclosing the tops of the storage bins. There are two silos. The West silo is the grey cement silo (EU011) and split silo is for white cement (West portion, EU012) and cement supplement, or slag (East portion, EU013).



Photo ID No: 1050372_Photo_01_24_2012-2;
Time: Approx. 10:15 AM
View of Plant 2 and Plant 3 (inside same production building). These plants are not operational. The camera is facing approx. NE. The two silos for Plant 2 are west of the two silos for Plant 3 (shown in photograph).



Photo ID No: 1050372_Photo_01_24_2012-3
 Time: Approx. 10:30 AM.
 View of Plant 1, camera facing approx. NNW. This photograph shows the approximate perspective from where the VE tests were conducted for the Plant 1 silos (EU001, EU002, and EU003) and the Plant 1 central dust collector (EU004). The two silos are, from left to right, grey cement silo (EU001) and a split silo for white cement (West portion, EU002) and for cement supplement, or slag (East portion, EU003). The Plant 1 central dust collector (EU004) is the light-yellow-colored structure in between Plant 1 and the sand hanger (building with open face). The central dust collector is directly behind the truck, which was filling the cement supplement silo.



Photo ID No: 1050372_Photo_01_24_2012-5
 Time: Approx. 10:30 AM.
 Close-up photograph of the enclosed sand hanger for storage of materials not unloaded directly to the production lines, camera facing approx. N.



Photo ID No: 1050372_Photo_01_24_2012-4
 Time: Approx. 10:30 AM.
 Close-up photo of the two silos for Plant 1 (EU001, EU002, and EU003), camera facing approx. NNW.



Photo ID No: 1050372_Photo_01_24_2012-6
 Time: Approx. 10:30 AM.
 Photo of the Plant 1 central dust collector (EU004), which is directly behind the truck. Camera facing approx. NW. The central dust collector picks up dust from two mixers (for batching) in Plant 1 and collects dust in a bin.



Photo ID No: 1050372_Photo_01_24_2012-9
Time: Approx. 11:45 AM
Grey cement truck finishing the filling of the Plant 1 grey cement silo (EU001) after the second VE test had been conducted at Hanson Hardscape Products Facility on 01/24/2012. Camera facing approx. WNW.



Photo ID No: 1050372_Photo_01_24_2012-12
Time: Approx. 11:45 AM
Underground drop-off pit with grates for aggregates, outside of Plant 4, to be delivered to storage bins by conveyor belt. Camera facing approx. NE. In the background, Plant 1 and the sand hanger are visible.



Photo ID No: 1050372_Photo_01_24_2012-10
Time: Approx. 11:45 AM
White cement truck outside of Plant 4. About half of the white cement in this truck was used to fill the Plant 1 white cement silo (EU002) during the second VE test at the facility on 01/24/2012, and the remaining contents of white cement in the truck were used to fill the Plant 4 white cement silo (EU012) during the third VE test at the facility on 01/24/2012. Camera facing approx. NW.



Photo ID No: 1050372_Photo_01_24_2012-13
 Time: Approx. 12:20 PM
 Paver tumbler machine with central dust collector (EU014) just West of Plant 1. The camera is facing approx. NE. This photograph shows the approximate perspective from where the VE test was conducted for the paver tumbler machine with central dust collector (EU014). In this photograph, the operator on the yellow-colored fork-lift delivers loads of pavers into the tumbler, which is the horizontal cylinder that is white in color. The South face of the tumbler is blue with an orange ventilation system that receives dust from the tumbler. The dust flows through the grey ducts up to the central dust collector (unit that is light-yellow or beige in color). The dust then collects at the base of the central dust collector in a storage bin that is white and blue in color with an orange stripe in the center. The operator on the mint-green-colored fork-lift removes filled bags of pavers from the paver loading area.



Photo ID No: 1050372_Photo_01_24_2012-16
 Time: Approx. 12:20 PM
 An operator waits to transport a filled paver bag and another operator controls the paver tumbler machine. While the fork-lift is used to deliver a filled bag to a storage area, the conveyor belt shifts to fill the second bag with pavers and an operator places an empty bag on the rack to be filled.



Photo ID No: 1050372_Photo_01_24_2012-17
 Time: Approx. 12:20 PM
 Fugitive dust from the drop-off point on the paver tumbler where pavers are dropped into a paver bag. During operations, the fugitive dust opacity was under the 20 % opacity limit over a 6-minute average period, as observed by Bill Arlington of Arlington Environmental Services, Inc. This day was particularly windy, which may have affected and possibly increased the fugitive dust emissions. Camera facing approx. N.



Photo ID No: 1050372_Photo_01_24_2012-24
Time: Approx. 12:20 PM
Back view of paver tumbler, where pavers are loaded into tumbler. Camera facing approx. W.



Photo ID No: 1050372_Photo_01_24_2012-36
Time: Approx. 12:40 PM
Inside the structure on top of the storage bins in Plant 4, where aggregate materials are loaded. The grates are directly on top of each storage bin. Camera is facing approx. W.



Photo ID No: 1050372_Photo_01_24_2012-31
Time: Approx. 12:30 PM
Inside of Plant 1, view of paver molding and manufacturing. Camera is facing approx. SE.