

Environmental Citizens Advisory Committee
Minutes of January 16, 2018 — Page 1 of 2

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| Place/Time: | Allen County Health Department, January 16, 2018, 3:00 pm. | 1 |
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| Members Present: | Bill Kelly, Kathy Luhn, Tom Berger, Steve Kayatin, Mike Caprella, Connie Miller, Michael Wildermuth, Mike Edmiston, Thom Mazur, Mark Budge (for Eric Getz). | 3 |
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| Others Present: | Ashland/ISP: Duy Pham | 6 |
| | Fort Amanda Specialties: Joseph Hutton, Brady Brown | 7 |
| | Husky: Gary Vonderembse, Marcus Ruscio, LD Pierce | 8 |
| | INEOS: Joe Bianco | 9 |
| | Potash: Cory Gonya | 10 |
| | Health Dept: Maria Dionicio, Brandon Fischer | 11 |
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| Approval of Minutes: | | 13 |
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| | <ul style="list-style-type: none">The minutes for the January 16, 2018 meeting were approved with the following correction: | 15 |
| | <ul style="list-style-type: none"><ul style="list-style-type: none">In line 49, change “approaching the acceptable level” to “approaching the MAGLC” | 16 |
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| Special Report: Husky Refinery Water Reuse Project (Gary Vonderembse) | | 18 |
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| | <ul style="list-style-type: none">A video presentation was shown. | 20 |
| | <ul style="list-style-type: none">Discussion: | 21 |
| | <ul style="list-style-type: none"><ul style="list-style-type: none">The goal is about 95% water reuse (about 4 million gallons reused per day). | 22 |
| | <ul style="list-style-type: none"><ul style="list-style-type: none">This is being done both for environmental reasons and for economic reasons. | 23 |
| | <ul style="list-style-type: none"><ul style="list-style-type: none">This also ties into the desire to refine higher-sulphur crude oil in addition to lower-sulphur crude oil (which is the goal of the flexible crude oil project or “flex project”). If higher-sulphur crude oil is processed, the level of selenium in the process water will exceed the allowable selenium content of water discharged to the Ottawa River. The water reuse project alleviates this problem. | 24 |
| | <ul style="list-style-type: none"><ul style="list-style-type: none">The water reuse project involves using RO (reverse osmosis) to remove selenium as well as other chemicals from the process water. The “cleaned water” will then be good enough to reuse within the refinery. | 25 |
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| | <ul style="list-style-type: none"><ul style="list-style-type: none">The chemicals removed from the water via RO will be sent to the deepwell injection system for containment/disposal. | 31 |
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| | <ul style="list-style-type: none"><ul style="list-style-type: none">Currently about 5.5 million gallons of process water are discharged into the river via the NPDES approved system. The water reuse project could reduce this to nearly zero except for rain events. | 33 |
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| | <ul style="list-style-type: none"><ul style="list-style-type: none">This project will also dramatically reduce the water purchased from the City of Lima. | 35 |
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| | <ul style="list-style-type: none"><ul style="list-style-type: none">The target for completion of the water reuse project is 4th qtr 2018, and the flexible crude oil project should be ready sometime in 2019. | 37 |
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| Industry Status Reports: | | 39 |
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| | <ul style="list-style-type: none">Printed reports were received from Husky, INEOS, Fort Amanda Specialties, ISP, Nutrien (PCS Nitrogen), and OEPA. There was a pause so committee could read the reports. | 41 |
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- Discussion of industry reports: 43
 - The Husky report outlines some fines levied by USEPA to close out the “Consent Decree” that dates 44
back to 2007. The fines total about one-million dollars. There is some hope of convincing USEPA 45
to get a portion of the fines returned to the Lima area for funding of a community lead-paint- 46
abatement program. 47
 - There was also discussion about the release of an oily mist from the refinery as reported in the OEPA 49
report. This occurred on Jan 8, 2018. There was some excess flaring of diesel fuel. The flare did not 50
get the fuel completely burned, so some diesel fuel and partially-burned diesel fuel were emitted into 51
the air. This resulted in an oily mist. The OEPA study of this incident was still ongoing at the time 52
of the ECAC meeting. 53

Other Discussions and Business: 54

- In reaction to the incident in Hawaii in which there was an erroneous alert that missiles were headed 57
toward Hawaii, ECAC members questioned Tom Berger about how the local emergency management 58
office handles alerts. Our alerts are locally generated whereas the Hawaii incident was generated through 59
as state system which made it difficult to recall. However, the local system is being improved and will 60
soon be able to send notices directly to all cell phones in the area. ECAC members felt that it would be 61
good for Tom to make a report about Allen County alert system to ECAC in a future meeting. 62
- There was brief discussion about the retention ponds that will be constructed by the city in the Simmons 63
Field area. These will retain water when the sewage treatment plant can’t keep up with a heavy rain 64
event. ECAC members felt it would be good for Mike Caprella to present an overview of this project at 65
an upcoming ECAC meeting. 66
- Since Mark Budge (OEPA Division of Air Pollution Control) was present, ECAC members voiced 67
appreciation for the air-toxics monitoring performed by OEPA and for the annual reports presented at 68
the October ECAC meetings. Committee members also noted that the monitoring has historically shown 69
very low levels of air-toxics in our air. With a refinery and several chemical plants in Lima, the 70
monitoring is important, and the low air-toxics levels indicate that industrial emissions are not causing 71
dangerous levels of toxic chemicals in our air. 72
- The April 2018 meeting is scheduled for April 17 at 3:00 PM at the Health Department. 73

Michael Edmiston 74
Recording Secretary 75

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