

Environmental Citizens Advisory Committee
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Place/Time:	Husky Refinery, July 18, 2017, 3:00 pm.	1
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Members Present:	Kathy Luhn, Steve Kayatin, Eric Getz, Mike Edmiston, Michael Wildermuth, Connie Miller, Mike Caprella,	3
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Others Present:	Ashland: Duy Pham. Husky: Gary Vonderembse, Joe Martino, Amy Rode, Heather Rutz, Marcus Ruscio. INEOS: Eugene Paik. Potash Corp: Cory Gonya. Health Dept: Maria Dionicio, Brandon Fischer.	6
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Approval of Minutes:		10
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	<ul style="list-style-type: none">The minutes for the April 18, 2017 meeting were approved as distributed.	12
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Business Meeting:		14
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	<ul style="list-style-type: none">Printed status reports were received from INEOS, ISP, PotashCorp, OhioEPAThere was a continuation of the discussion about HCN (hydrogen cyanide) releases from the FCC stack. This was first reported to ECAC at the January 2017 meeting, and was discussed at some length at the April 2017 meeting.<ul style="list-style-type: none">HCN gas is highly toxic and the reportable release quantity is 10 pounds.Husky Refinery is emitting over 200 pounds per day from the 250-foot tall FCC stack. This level of emission is likely to continue.HCN (molecular weight 27.0) is slightly lighter than air (molecular weight 29.0) so it does not tend to settle to the ground. However, air currents could bring some of these emissions to ground level.To date, ground level HCN has not been detected within the fence line of the plant using a detection method called Draeger Tubes. However, depending on the tubes used, the detection limit is about 1 ppm whereas the MAGLC (at 0.11 ppm) is about 10 times lower than the detection method used.The periodic air monitoring for Lima (conducted by OEPA using canisters to obtain a “grab sample”) is unable to detect HCN.We are hoping that OEPA can provide more information as to whether this level of HCN emission represents a health hazard for Lima residents.The next meeting is October 17, 2017 and it will include the traditional air-monitoring report.	16
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Refinery Presentation and Tour:		34
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	<ul style="list-style-type: none">Amy Rode (Husky Communications Manager) welcomed the group and presented a brief overview of refining in Lima, Ohio. A brochure was distributed that describes the refining processes Husky carries out in Lima.Joe Martino (Project Operations Manager for the Crude Oil Flexibility Project) described the flexibility project.<ul style="list-style-type: none">The goal is to be able to refine crude oil from various sources that will contain varying amounts of sulfur. This allows the flexibility to switch or blend from one crude oil supply to another as the availability and price of crude oil fluctuates.The project is roughly a 2.5-year project with completion expected in 2019.Total cost is expected to be about 800 million dollars with about 23% of this spent in 2017.	36
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— The project includes:	47
— new metallurgy in the “crude unit” required to treat crude oil with a higher sulfur content	48
— ability to recover and market larger amounts of sulfur	49
— new rail service	50
— water reuse projects to reduce water consumption and discharge	51
— The project will require rewriting of refinery operating procedures. Over 500 individual procedures will need to be rewritten.	52
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• Refinery Tour:	55
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ECAC members received a bus tour through the refinery so we could see the actual refinery processing units that get discussed at our meetings.	57
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Michael Edmiston	62
Recording Secretary	63