Environmental Citizens Advisory Committee Minutes of April 19, 2016 — Page 1 of 2

Place/Time:	Allen County Health Department, April 19, 2016, 3:00 pm.	1
Members Present:	Kathy Luhn, Mike Edmiston, Steve Kayatin, Bill Kelly, Gary Sheely, Eric Getz.	2 3
Others Present:	INEOS: Joe Bianco. Husky: Gary Vonderembse, Matt Elkins, LD Pierce, Amy Rode.	4 5
Approval of Minut	es:	6 7 8
• The minute	s for the January 19, 2016 meeting were approved as distributed.	9 10
Special Report: De	ep Wells: Joe Bianco	11
requires der will not mig injection of migration of migration of the INEOS throughout surface. The first inj was added if the "no-mig studies and special man Mt Simon I granted pern no-migratio the two pip pressure at annulus pre hazardous verial of the migration of the waste in the state of the state	gration" demonstration became a requirement in 1992 so the facility conducted seismological also bored a fourth hole down into the Mt Simon layer. This fourth hole was bored in a ner that allowed contiguous core samples to be obtained from the surface clear down to the ayer. As a result of the studies, the no migration petition was approved, and the USEPA mits for the operation of four wells in Lima. (The "core-sample hole" that was bored for the n certification became the fourth Class I injection well used by the facility.) In wells are double-lined essentially a metal pipe within a metal pipe. The space between the significant of the manulus. The annulus contains a nonhazardous fluid and operates at a least 50 psi higher than the hazardous-waste pressure within the inner pipe. Thus, if the source should drop, a leak would be indicated and the injection can be halted before any waste is injected into an inappropriate geological layer. Is about 95% water, about 4% salts (such as ammonium sulfate), and about 1% organic	12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
compounds	consisting mostly of the class of chemicals called nitriles. It is the roughly 1% organic that constitute the "hazardous waste." four wells injected about of 218,000,000 gallons of fluid into the Mt Simon layer. That	35 36 37
(0.4%) was	to about 1,941,000,000 pounds of RCRA-reportable fluid of which about 7,750,000 pounds SARA-reportable hazardous compounds.	38 39
 submit of submit of submit of monitor perform perform 	n compliance with the operating permit, the company must monthly reports of all the pressure readings quarterly reports that include corrosion monitoring, seismic monitoring, and ground-water ing in the area around the deepwells annual testing that shows the Mt Simon layer is accepting the waste annual mechanical integrity testing with radio-tracers. grants the no-migration permit (certifying waste confinement).	40 41 42 43 44 45 46

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The OEPA monitors the control of the oepa monitors the control of the oepa monitors and the oepa monitors are control of the oepa monitors.	operation of the wells and visits/inspects the site several times a year.	4
 The testing/reporting/peri 	mitting requirements (for all four wells together) cost about \$220,000 annually.	4
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Industry Status Reports:		50
		5 52
 INEOS (Joe Bianco) 		5:
 A printed report was 	distributed and there was no discussion.	5.
 Husky (Gary Vonderember) 		5
 A printed report was 	distributed.	5:
 BP Remediation subn 	mitted a request for permit modifications for inspections of the SWMUs (solid-	5: 50
waste management u	nits), and an updated monitoring plan for the "primary pond landfill."	5
 An emergency hazard 	dous waste permit was requested from OEPA to allow storm water to overflow	5
	Pond in the event of a major storm event.	59
	on" was issued by OEPA because some of the continuous emission monitor	60
systems (CEMS) did	not meet the required 95%-operational requirement.	6
• OEPA (Eric Getz)		62
 A printed report was 	distributed.	63
	omplaint investigation at the refinery. The complainant reported release of oily	6
material onto a concre	ete pad. Refinery personnel indicated that equipment is decontaminated on that	6.
pad, and afterwards t	the pad is cleaned and any contamination is properly processed.	60
 OEPA granted the er 	mergency hazardous waste permit (mentioned in the Husky report) to allow	6
overflow of storm w	ater from G-tank into D pond, and also granted an extension of the original	68
permit.		69
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Other Business:		7
		72
 The next regularly-schedum 	uled meeting will be July 19, 2016. As is tradition, the meeting will likely occur	73
at one of the industrial sit	tes. Members memory was that we visited the refinery in 2013, PCS in 2014,	74
and there was no July meeting in 2015. Therefore it would be appropriate to visit INEOS at the July 2016 meeting if this can be arranged.		7:
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10504		7
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Michael Edmiston		79
Recording Secretary		80