



Response to Criterion 1 Report Henson Recycling Campus Transfer Station

November 28, 2023



4.13

Sheryl Smith Credentials



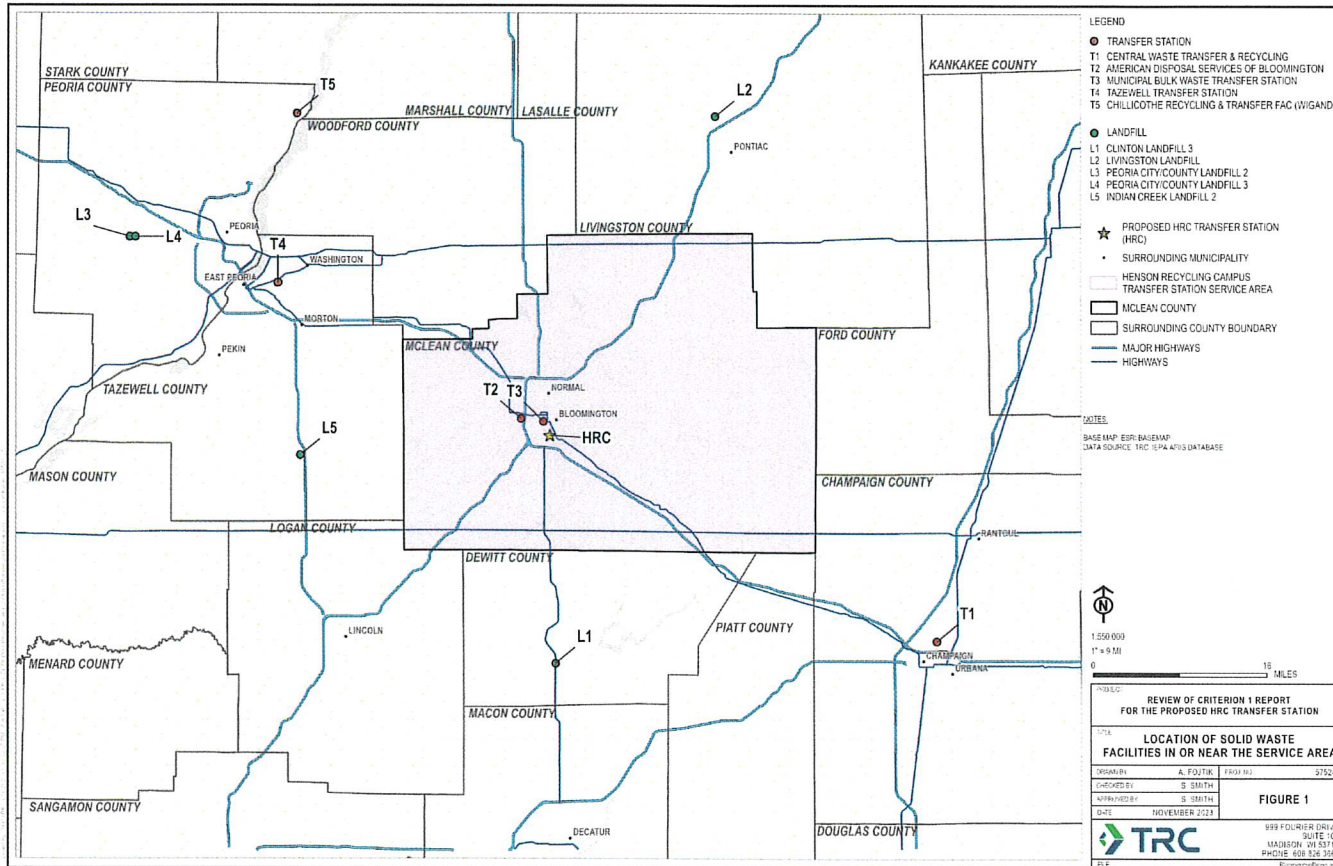
- Civil Engineer by education (B.S., University of Illinois, M.E., Cornell University).
- 40 years professional experience in the Solid Waste Industry
- Prepared/reviewed 26 Criterion 1 Landfill and 10 Transfer Station reports as part of Illinois Siting Process.
- Expertise in strategic planning and market assessments for public and private waste management companies and counties operating their own landfills.
- Worked 10 years for waste management companies on acquisitions, permitting, market assessments, host community agreements.

Methodology



- Define service area
- Identify waste types to be accepted
- Calculate quantity of waste requiring disposal
- Evaluate available facilities
- Determine capacity shortfall

Service Area



Waste Types to Be Accepted

- Municipal Solid Waste
 - Residential (84%)
 - Commercial (12%)
- Single Stream Recyclables (4%)
- No Construction & Demolition Debris
- No Industrial Waste
- No Landscape Waste

Waste Generation Comparisons



Source of Data	Total Waste Generation	Recycling Rate Goals 2022	Estimated Net Waste for Disposal (Tons per Year)	Estimated Net Waste for Disposal (Tons per Day)
Illinois DCEO Update	276,647 244,666	37.3% (2015 Data)	173,457 153,405	607 536
Illinois DCEO Update	276,647 244,666	46.85% (2022 McLean County Data)	147,038 114,626	514 400
EAC (Ecology Action Center)	209,907	46.85% (2022 McLean County Data)	112,264	393
2017 McLean County Plan 2023	209,193	50% (2017 McLean County Plan)	104,241	365
2017 McLean County Plan 2042	196,085	80% (2017 McLean County Plan)	39,217	137

ADS Transfer Station (ADS TS) Operations Highlights



Year	Total Working Days/ Working days less Saturdays	Number of Days Incoming Waste > 500 Tons	Number of Days Incoming Waste > 400 Tons	Number of Days Incoming Waste > 300 Tons	Average Tons of Incoming Waste in Tons, No Saturdays	Number of Days Total Outbound Tons >500	Number of Days Total Outbound Tons >400	Number of Days Total Outbound Tons > 300	Average Daily Outbound Tons Excluding Saturdays
2022	311 / 259	1	26	203	330	1	30	200	328
2023 (1/1 - 11/19/2023)	276 / 230	5	35	199	348	5	44	180	344

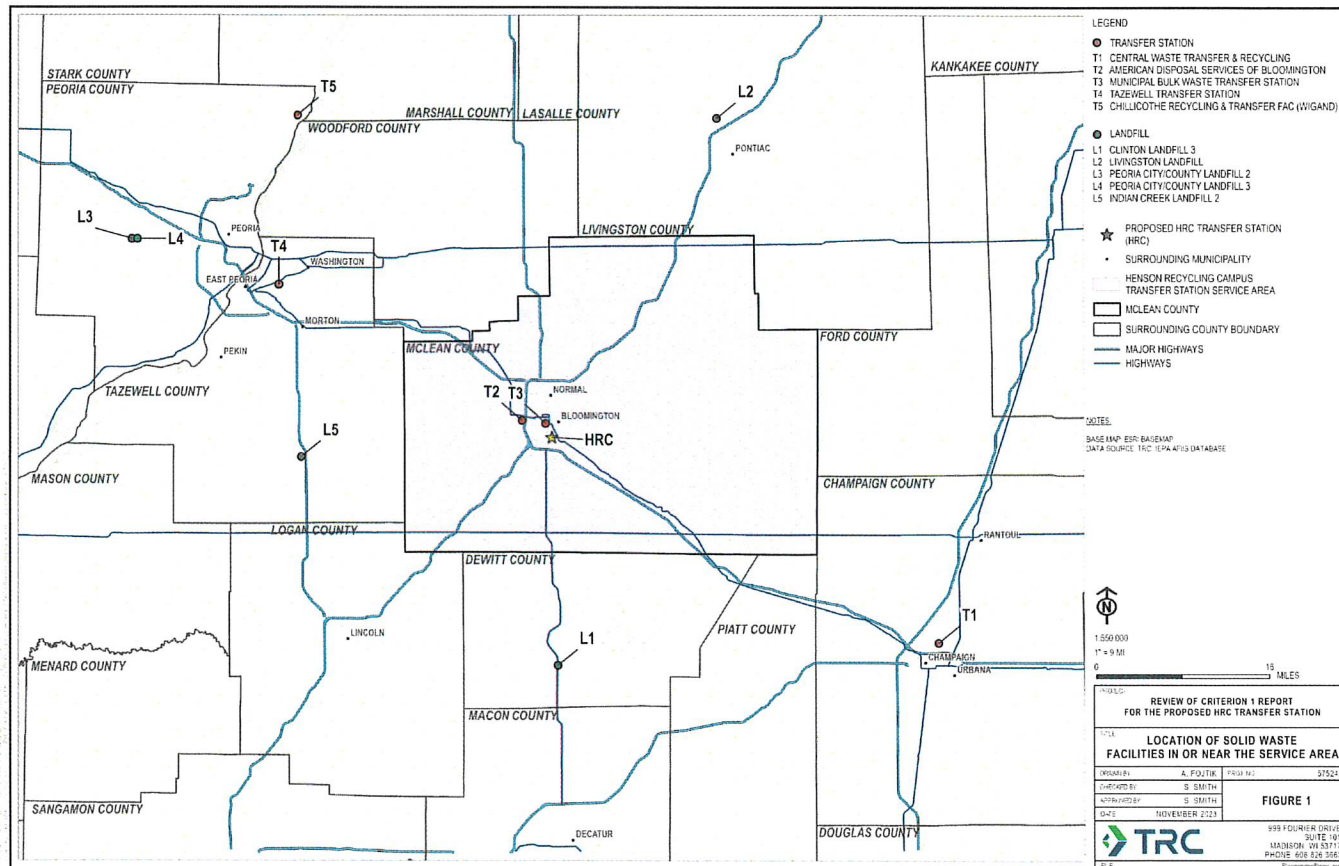
No Capacity Shortfall



Description	Tons Per Day
ADS TS Peak Waste Receipts 2023	543
ADS TS Average Waste Receipts 2023	350
Net Waste Requiring Disposal (2022) EAC	393

Other facilities with capacity for the Service Area include Clinton Landfill 3, Municipal Bulk Transfer Station, Tazewell Transfer Station, Indian Creek Landfill #2 and the existing Henson Recycling Campus.

Solid Waste Facilities In / Near the Service Area



Transfer Stations In/Near the Service Area



Label	Site Name	Owner/Operator	Estimated One Way Travel Distances from Proposed HRC TS
T1	Central Waste Transfer & Recycling	Republic Services	48 miles
T2	American Disposal Services of Bloomington	Republic Services	5 miles
T3	Municipal Bulk Waste Transfer Station	City of Bloomington	2 miles
T4	Tazewell Transfer Station	Waste Management	45 miles
T5	Chillicothe Recycling & Transfer Fac	GFL	53 miles

Landfills Near the Service Area



Label	Owner/Operator	Site Name	Estimated One Way Travel Distances from Proposed TS	2022 Disposal Volume (Post Compaction, In-place Cubic Yards (CY))	Remaining Capacity Reported (In-place CY) 1/1/2023	Life Expectancy in Years
L1	GFL/GFL	Clinton Landfill 3	26 miles	621,805	21,987,441	37
L2	Republic Services/Republic Services	Livingston Landfill	44 miles	1,236,084	22,374,106	21
L3	Peoria City-County/Waste Management	Peoria City/County Landfill #2	60 miles	194,280	265,448	1
L4	Peoria City-County/GFL	Peoria City/County Landfill 3	60 miles	0	7,000,000	36
L5	GFL/GFL	Indian Creek Landfill #2	40 miles	336,539	10,504,777	27

Vertical Integration



- Disposal Volumes sent to Alternate Landfills 2021
 - PDC Hopedale Landfill 42,863 tons
 - Livingston Landfill 49,000 tons
 - Sangamon Valley Landfill 991 tons

- Disposal Volumes Sent to Alternate Landfills 2022
 - GFL Clinton Landfill 37,000 tons
 - Livingston Landfill 51,000 tons
 - Sangamon Valley Landfill 174 tons

- Data reported to Ecology Action Center in 2021 and 2022

Host Fee Opportunities



- **Alternate Disposal Bid to Normal Town Council**
 - 10 years of pricing which would help with controlling costs to the residents and projecting the City/Town budgets.
 - \$2/ton per ton host fee offered to go to the Bloomington Normal Waste fund that could be used to fund the EAC.
 - Based on 2022 waste receipts of 25,800 tons delivered to ADS TS by the City of Bloomington and Normal; that fee would have been \$51,600.
 - This alternate disposal was not accepted.

- **HRC Transfer Station Host Fees**
 - \$1/ton for waste delivered to the proposed HRC TS, excluding landscape waste and recyclables
 - 50% of that can go to McLean County
 - \$.50/ton for C&D material received at the proposed HRC TS, excluding landscape waste and recyclables
 - Reduces to \$.50/ton for waste delivered to the proposed HRC TS when the City of Bloomington annexes in the property
 - 50% of that is available to McLean County.

Conclusions



- Criterion 1 Report overestimated waste generation for the Service Area and did not consider future waste generation and recycling goals in the 2017 McLean County Solid Waste Plan.
- Methodology for calculating the ADS TS processing capacity was flawed:
 - One day of observation.
 - Does not account for seasonal or daily waste receipt variations.
- Capacity Shortfall ignored processing capacity at Municipal Bulk Transfer Station, existing HRC facility and waste direct hauled to GFL landfills and Tazewell Transfer Station.
- Criterion 1 report stated HRC TS will divert loads with potential high cross-contamination to the HRC TS for loading into transfer trailers, potentially reducing the amount of C&D currently being recycled at HRC.
- Criterion 1 report did not identify how the HRC TS would increase the capacity to recycle concrete or recyclables, since no processing equipment is envisioned at HRC TS.

Conclusions (cont'd.)



- Sufficient processing and disposal capacity exists in the Service Area and surrounding landfills and transfer stations to meet McLean County's waste disposal needs.
- ADS TS averaging 350 tons per day of waste receipts with a peak daily volume of 543 tons.
 - EAC estimated net waste disposal of 393 tons per day in Service Area in 2022.
- Henson Disposal LLC is a current customer of ADS TS.
- Municipal Bulk Transfer Station currently providing processing capacity and was not considered in Criterion 1 Report.
- ADS TS conveniently located within 5 miles of proposed HRC Transfer Station.
- GFL currently hauling McLean County waste directly to Clinton Landfill 3 (37 years) and Indian Creek Landfill # 2 (27 years), which were not included in capacity shortfall evaluation.
- Tazewell Transfer Station is likely available to service western communities in the Service Area.